Report A - Energetically Feasible Aneutronic X + n D* --> Y + Z Reactions, n = 1 to 12
Creating Stable Isotopes Y and Z With No Weak Reactions

---------- Equations follow for Deuterium, H, element 1 ----------

1H1 + D* --> 3He2 + 5.493 MeV [4.695 MeV] (A_H:1)

1H1 + 2 D* --> 3He2 + 2H1 + 5.493 MeV [2.799 MeV] (A_H:2)
1H1 + 2 D* --> 4He2 + 1H1 + 23.847 MeV [21.152 MeV] (A_H:3)

1H1 + 3 D* --> 4He2 + 3He2 + 29.340 MeV [23.920 MeV] (A_H:4)
1H1 + 3 D* --> 6Li3 + 1H1 + 25.320 MeV [19.900 MeV] (A_H:5)

1H1 + 4 D* --> 6Li3 + 3He2 + 30.814 MeV [21.953 MeV] (A_H:6)

1H1 + 5 D* --> 10B5 + 1H1 + 53.628 MeV [40.678 MeV] (A_H:7)

1H1 + 6 D* --> 10B5 + 3He2 + 59.121 MeV [41.484 MeV] (A_H:8)
1H1 + 6 D* --> 12C6 + 1H1 + 78.814 MeV [61.177 MeV] (A_H:9)

1H1 + 7 D* --> 12C6 + 3He2 + 84.308 MeV [61.419 MeV] (A_H:10)
1H1 + 7 D* --> 14N7 + 1H1 + 89.087 MeV [66.198 MeV] (A_H:11)

1H1 + 8 D* --> 14N7 + 3He2 + 94.580 MeV [65.906 MeV] (A_H:12)
1H1 + 8 D* --> 16O8 + 1H1 + 109.823 MeV [81.149 MeV] (A_H:13)

1H1 + 9 D* --> 16O8 + 3He2 + 115.316 MeV [80.347 MeV] (A_H:14)

1H1 + 10 D* --> 20Ne10 + 1H1 + 138.399 MeV [96.644 MeV] (A_H:15)

1H1 + 11 D* --> 20Ne10 + 3He2 + 143.893 MeV [94.878 MeV] (A_H:16)

1H1 + 12 D* --> 24Mg12 + 1H1 + 171.562 MeV [114.829 MeV] (A_H:17)

2H1 + D* --> 4He2 + 23.847 MeV [23.121 MeV] (A_H:18)

2H1 + 2 D* --> 4He2 + 2H1 + 23.847 MeV [21.311 MeV] (A_H:19)
2H1 + 2 D* --> 6Li3 + 25.320 MeV [22.784 MeV] (A_H:20)

2H1 + 3 D* --> 4He2 + 4He2 + 47.693 MeV [42.509 MeV] (A_H:21)
2H1 + 3 D* --> 6Li3 + 2H1 + 25.320 MeV [20.136 MeV] (A_H:22)
2H1 + 3 D* --> 7Li3 + 1H1 + 30.346 MeV [25.162 MeV] (A_H:23)

2H1 + 4 D* --> 6Li3 + 4He2 + 49.167 MeV [40.612 MeV] (A_H:24)
2H1 + 4 D* --> 7Li3 + 3He2 + 35.839 MeV [27.284 MeV] (A_H:25)
2H1 + 4 D* --> 9Be4 + 1H1 + 47.042 MeV [38.487 MeV] (A_H:26)
2H1 + 4 D* --> 10B5 + 53.628 MeV [45.073 MeV] (A_H:27)

2H1 + 5 D* --> 6Li3 + 6Li3 + 50.641 MeV [38.061 MeV] (A_H:28)
2H1 + 5 D* --> 9Be4 + 3He2 + 52.535 MeV [39.956 MeV] (A_H:29)
2H1 + 5 D* --> 10B5 + 2H1 + 53.628 MeV [41.048 MeV] (A_H:30)
2H1 + 5 D* --> 11B5 + 1H1 + 62.857 MeV [50.278 MeV] (A_H:31)
2H1 + 5 D* --> 12C6 + 78.814 MeV [66.235 MeV] (A_H:32)

2H1 + 6 D* --> 10B5 + 4He2 + 77.474 MeV [60.267 MeV] (A_H:33)
2H1 + 6 D* --> 11B5 + 3He2 + 68.351 MeV [51.144 MeV] (A_H:34)

2H1 + 6 D* --> 12C6 + 2H1 + 78.814 MeV [61.607 MeV] (A_H:35)
2H1 + 6 D* --> 13C6 + 1H1 + 81.536 MeV [64.329 MeV] (A_H:36)
2H1 + 6 D* --> 14N7 + 89.087 MeV [71.879 MeV] (A_H:37)

2H1 + 7 D* --> 10B5 + 6Li3 + 78.948 MeV [56.547 MeV] (A_H:38)
2H1 + 7 D* --> 12C6 + 4He2 + 102.661 MeV [80.259 MeV] (A_H:39)
2H1 + 7 D* --> 13C6 + 3He2 + 87.030 MeV [64.628 MeV] (A_H:40)
2H1 + 7 D* --> 14N7 + 2H1 + 89.087 MeV [66.685 MeV] (A_H:41)
2H1 + 7 D* --> 15N7 + 1H1 + 97.695 MeV [75.294 MeV] (A_H:42)
2H1 + 7 D* --> 16O8 + 109.823 MeV [87.421 MeV] (A_H:43)

2H1 + 8 D* --> 12C6 + 6Li3 + 104.135 MeV [76.002 MeV] (A_H:44)
2H1 + 8 D* --> 14N7 + 4He2 + 112.933 MeV [84.801 MeV] (A_H:45)
2H1 + 8 D* --> 15N7 + 3He2 + 103.189 MeV [75.056 MeV] (A_H:46)
2H1 + 8 D* --> 16O8 + 2H1 + 109.823 MeV [81.690 MeV] (A_H:47)
2H1 + 8 D* --> 17O8 + 1H1 + 111.741 MeV [83.609 MeV] (A_H:48)

2H1 + 9 D* --> 10B5 + 10B5 + 107.256 MeV [72.879 MeV] (A_H:49)
2H1 + 9 D* --> 14N7 + 6Li3 + 114.407 MeV [80.031 MeV] (A_H:50)
2H1 + 9 D* --> 16O8 + 4He2 + 133.669 MeV [99.293 MeV] (A_H:51)
2H1 + 9 D* --> 17O8 + 3He2 + 117.235 MeV [82.858 MeV] (A_H:52)
2H1 + 9 D* --> 19F9 + 1H1 + 125.556 MeV [91.179 MeV] (A_H:53)
2H1 + 9 D* --> 20Ne10 + 138.399 MeV [104.023 MeV] (A_H:54)

2H1 + 10 D* --> 12C6 + 10B5 + 132.442 MeV [91.329 MeV] (A_H:55)
2H1 + 10 D* --> 16O8 + 6Li3 + 135.143 MeV [94.030 MeV] (A_H:56)
2H1 + 10 D* --> 19F9 + 3He2 + 131.049 MeV [89.936 MeV] (A_H:57)
2H1 + 10 D* --> 20Ne10 + 2H1 + 138.399 MeV [97.286 MeV] (A_H:58)
2H1 + 10 D* --> 21Ne10 + 1H1 + 142.936 MeV [101.823 MeV] (A_H:59)

2H1 + 11 D* --> 12C6 + 12C6 + 157.629 MeV [109.304 MeV] (A_H:60)
2H1 + 11 D* --> 14N7 + 10B5 + 142.715 MeV [94.390 MeV] (A_H:61)
2H1 + 11 D* --> 20Ne10 + 4He2 + 162.246 MeV [113.921 MeV] (A_H:62)
2H1 + 11 D* --> 21Ne10 + 3He2 + 148.429 MeV [100.105 MeV] (A_H:63)
2H1 + 11 D* --> 23Na11 + 1H1 + 159.870 MeV [111.545 MeV] (A_H:64)
2H1 + 11 D* --> 24Mg12 + 171.562 MeV [123.238 MeV] (A_H:65)

2H1 + 12 D* --> 14N7 + 12C6 + 167.901 MeV [111.905 MeV] (A_H:66)
2H1 + 12 D* --> 16O8 + 10B5 + 163.451 MeV [107.455 MeV] (A_H:67)
2H1 + 12 D* --> 20Ne10 + 6Li3 + 163.720 MeV [107.723 MeV] (A_H:68)
2H1 + 12 D* --> 23Na11 + 3He2 + 165.363 MeV [109.367 MeV] (A_H:69)
2H1 + 12 D* --> 24Mg12 + 2H1 + 171.562 MeV [115.566 MeV] (A_H:70)
2H1 + 12 D* --> 25Mg12 + 1H1 + 176.668 MeV [120.672 MeV] (A_H:71)

---------- Equations follow for Helium, He, element 2 ----------

3He2 + D* --> 4He2 + 1H1 + 18.353 MeV [17.006 MeV] (A_He:1)

3He2 + 2 D* --> 4He2 + 3He2 + 23.847 MeV [20.233 MeV] (A_He:2)
3He2 + 2 D* --> 6Li3 + 1H1 + 19.827 MeV [16.214 MeV] (A_He:3)

3He2 + 3 D* --> 6Li3 + 3He2 + 25.320 MeV [18.674 MeV] (A_He:4)

3He2 + 4 D* --> 10B5 + 1H1 + 48.134 MeV [37.775 MeV] (A_He:5)

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3He2 + 5 D* --> 10B5 + 3He2 + 53.628 MeV [38.930 MeV] (A_He:6)
3He2 + 5 D* --> 12C6 + 1H1 + 73.321 MeV [58.623 MeV] (A_He:7)

3He2 + 6 D* --> 12C6 + 3He2 + 78.814 MeV [59.196 MeV] (A_He:8)
3He2 + 6 D* --> 14N7 + 1H1 + 83.593 MeV [63.974 MeV] (A_He:9)

3He2 + 7 D* --> 14N7 + 3He2 + 89.087 MeV [63.997 MeV] (A_He:10)
3He2 + 7 D* --> 16O8 + 1H1 + 104.329 MeV [79.240 MeV] (A_He:11)

3He2 + 8 D* --> 16O8 + 3He2 + 109.823 MeV [78.739 MeV] (A_He:12)

3He2 + 9 D* --> 20Ne10 + 1H1 + 132.906 MeV [95.326 MeV] (A_He:13)

3He2 + 10 D* --> 20Ne10 + 3He2 + 138.399 MeV [93.840 MeV] (A_He:14)

3He2 + 11 D* --> 24Mg12 + 1H1 + 166.069 MeV [114.064 MeV] (A_He:15)

3He2 + 12 D* --> 24Mg12 + 3He2 + 171.562 MeV [111.658 MeV] (A_He:16)

4He2 + D* --> 6Li3 + 1.474 MeV [00.206 MeV] (A_He:17)

4He2 + 2 D* --> 4He2 + 4He2 + 23.847 MeV [20.391 MeV] (A_He:18)
4He2 + 2 D* --> 6Li3 + 2H1 + 1.474 MeV [-1.982 MeV] (A_He:19)
4He2 + 2 D* --> 7Li3 + 1H1 + 6.499 MeV [3.043 MeV] (A_He:20)

4He2 + 3 D* --> 6Li3 + 4He2 + 25.320 MeV [18.904 MeV] (A_He:21)
4He2 + 3 D* --> 7Li3 + 3He2 + 11.993 MeV [5.576 MeV] (A_He:22)
4He2 + 3 D* --> 9Be4 + 1H1 + 23.195 MeV [16.779 MeV] (A_He:23)
4He2 + 3 D* --> 10B5 + 29.781 MeV [23.365 MeV] (A_He:24)

4He2 + 4 D* --> 6Li3 + 6Li3 + 26.794 MeV [16.731 MeV] (A_He:25)
4He2 + 4 D* --> 9Be4 + 3He2 + 28.689 MeV [18.625 MeV] (A_He:26)
4He2 + 4 D* --> 10B5 + 2H1 + 29.781 MeV [19.718 MeV] (A_He:27)
4He2 + 4 D* --> 11B5 + 1H1 + 39.011 MeV [28.947 MeV] (A_He:28)
4He2 + 4 D* --> 12C6 + 54.968 MeV [44.904 MeV] (A_He:29)

4He2 + 5 D* --> 10B5 + 4He2 + 53.628 MeV [39.288 MeV] (A_He:30)
4He2 + 5 D* --> 11B5 + 3He2 + 44.504 MeV [30.165 MeV] (A_He:31)
4He2 + 5 D* --> 12C6 + 2H1 + 54.968 MeV [40.628 MeV] (A_He:32)
4He2 + 5 D* --> 13C6 + 1H1 + 57.690 MeV [43.350 MeV] (A_He:33)
4He2 + 5 D* --> 14N7 + 65.240 MeV [50.901 MeV] (A_He:34)

4He2 + 6 D* --> 10B5 + 6Li3 + 55.102 MeV [35.901 MeV] (A_He:35)
4He2 + 6 D* --> 12C6 + 4He2 + 78.814 MeV [59.613 MeV] (A_He:36)
4He2 + 6 D* --> 13C6 + 3He2 + 63.183 MeV [43.982 MeV] (A_He:37)
4He2 + 6 D* --> 14N7 + 2H1 + 65.240 MeV [46.039 MeV] (A_He:38)
4He2 + 6 D* --> 15N7 + 1H1 + 73.849 MeV [54.648 MeV] (A_He:39)
4He2 + 6 D* --> 16O8 + 85.976 MeV [66.775 MeV] (A_He:40)

4He2 + 7 D* --> 12C6 + 6Li3 + 80.288 MeV [55.672 MeV] (A_He:41)
4He2 + 7 D* --> 14N7 + 4He2 + 89.087 MeV [64.471 MeV] (A_He:42)
4He2 + 7 D* --> 15N7 + 3He2 + 79.342 MeV [54.726 MeV] (A_He:43)
4He2 + 7 D* --> 16O8 + 2H1 + 85.976 MeV [61.360 MeV] (A_He:44)

4He2 + 7 D* --> 17O8 + 1H1 + 87.895 MeV [63.279 MeV] (A_He:45)

4He2 + 8 D* --> 10B5 + 10B5 + 83.409 MeV [52.852 MeV] (A_He:46)
4He2 + 8 D* --> 14N7 + 6Li3 + 90.560 MeV [60.004 MeV] (A_He:47)
4He2 + 8 D* --> 16O8 + 4He2 + 109.823 MeV [79.266 MeV] (A_He:48)
4He2 + 8 D* --> 17O8 + 3He2 + 93.388 MeV [62.831 MeV] (A_He:49)
4He2 + 8 D* --> 19F9 + 1H1 + 101.709 MeV [71.152 MeV] (A_He:50)
4He2 + 8 D* --> 20Ne10 + 114.553 MeV [83.996 MeV] (A_He:51)

4He2 + 9 D* --> 12C6 + 10B5 + 108.596 MeV [71.594 MeV] (A_He:52)
4He2 + 9 D* --> 16O8 + 6Li3 + 111.297 MeV [74.295 MeV] (A_He:53)
4He2 + 9 D* --> 19F9 + 3He2 + 107.203 MeV [70.201 MeV] (A_He:54)
4He2 + 9 D* --> 20Ne10 + 2H1 + 114.553 MeV [77.551 MeV] (A_He:55)
4He2 + 9 D* --> 21Ne10 + 1H1 + 119.089 MeV [82.088 MeV] (A_He:56)

4He2 + 10 D* --> 12C6 + 12C6 + 133.782 MeV [89.851 MeV] (A_He:57)
4He2 + 10 D* --> 14N7 + 10B5 + 118.868 MeV [74.937 MeV] (A_He:58)
4He2 + 10 D* --> 20Ne10 + 4He2 + 138.399 MeV [94.468 MeV] (A_He:59)
4He2 + 10 D* --> 21Ne10 + 3He2 + 124.583 MeV [80.651 MeV] (A_He:60)
4He2 + 10 D* --> 23Na11 + 1H1 + 136.023 MeV [92.092 MeV] (A_He:61)
4He2 + 10 D* --> 24Mg12 + 147.716 MeV [103.784 MeV] (A_He:62)

4He2 + 11 D* --> 14N7 + 12C6 + 144.054 MeV [92.725 MeV] (A_He:63)
4He2 + 11 D* --> 16O8 + 10B5 + 139.604 MeV [88.274 MeV] (A_He:64)
4He2 + 11 D* --> 20Ne10 + 6Li3 + 139.873 MeV [88.543 MeV] (A_He:65)
4He2 + 11 D* --> 23Na11 + 3He2 + 141.516 MeV [90.187 MeV] (A_He:66)
4He2 + 11 D* --> 24Mg12 + 2H1 + 147.716 MeV [96.386 MeV] (A_He:67)
4He2 + 11 D* --> 25Mg12 + 1H1 + 152.822 MeV [101.492 MeV] (A_He:68)

4He2 + 12 D* --> 14N7 + 14N7 + 154.327 MeV [95.145 MeV] (A_He:69)
4He2 + 12 D* --> 16O8 + 12C6 + 164.791 MeV [105.608 MeV] (A_He:70)
4He2 + 12 D* --> 24Mg12 + 4He2 + 171.562 MeV [112.380 MeV] (A_He:71)
4He2 + 12 D* --> 25Mg12 + 3He2 + 158.315 MeV [99.133 MeV] (A_He:72)
4He2 + 12 D* --> 27Al13 + 1H1 + 169.961 MeV [110.779 MeV] (A_He:73)
4He2 + 12 D* --> 28Si14 + 181.546 MeV [122.364 MeV] (A_He:74)

---------- Equations follow for Lithium, Li, element 3 ----------

6Li3 + D* --> 4He2 + 4He2 + 22.373 MeV [20.645 MeV] (A_Li:1)
6Li3 + D* --> 7Li3 + 1H1 + 5.025 MeV [3.297 MeV] (A_Li:2)

6Li3 + 2 D* --> 6Li3 + 4He2 + 23.847 MeV [19.569 MeV] (A_Li:3)
6Li3 + 2 D* --> 7Li3 + 3He2 + 10.519 MeV [6.241 MeV] (A_Li:4)
6Li3 + 2 D* --> 9Be4 + 1H1 + 21.722 MeV [17.444 MeV] (A_Li:5)
6Li3 + 2 D* --> 10B5 + 28.308 MeV [24.030 MeV] (A_Li:6)

6Li3 + 3 D* --> 6Li3 + 6Li3 + 25.320 MeV [17.773 MeV] (A_Li:7)
6Li3 + 3 D* --> 9Be4 + 3He2 + 27.215 MeV [19.667 MeV] (A_Li:8)
6Li3 + 3 D* --> 10B5 + 2H1 + 28.308 MeV [20.760 MeV] (A_Li:9)
6Li3 + 3 D* --> 11B5 + 1H1 + 37.537 MeV [29.989 MeV] (A_Li:10)
6Li3 + 3 D* --> 12C6 + 53.494 MeV [45.946 MeV] (A_Li:11)

6Li3 + 4 D* --> 10B5 + 4He2 + 52.154 MeV [40.683 MeV] (A_Li:12)
6Li3 + 4 D* --> 11B5 + 3He2 + 43.031 MeV [31.559 MeV] (A_Li:13)

6Li3 + 4 D* --> 12C6 + 2H1 + 53.494 MeV [42.022 MeV] (A_Li:14)
6Li3 + 4 D* --> 13C6 + 1H1 + 56.216 MeV [44.744 MeV] (A_Li:15)
6Li3 + 4 D* --> 14N7 + 63.766 MeV [52.295 MeV] (A_Li:16)

6Li3 + 5 D* --> 10B5 + 6Li3 + 53.628 MeV [37.627 MeV] (A_Li:17)
6Li3 + 5 D* --> 12C6 + 4He2 + 77.340 MeV [61.339 MeV] (A_Li:18)
6Li3 + 5 D* --> 13C6 + 3He2 + 61.709 MeV [45.708 MeV] (A_Li:19)
6Li3 + 5 D* --> 14N7 + 2H1 + 63.766 MeV [47.765 MeV] (A_Li:20)
6Li3 + 5 D* --> 15N7 + 1H1 + 72.375 MeV [56.374 MeV] (A_Li:21)
6Li3 + 5 D* --> 16O8 + 84.502 MeV [68.501 MeV] (A_Li:22)

6Li3 + 6 D* --> 12C6 + 6Li3 + 78.814 MeV [57.715 MeV] (A_Li:23)
6Li3 + 6 D* --> 14N7 + 4He2 + 87.613 MeV [66.513 MeV] (A_Li:24)
6Li3 + 6 D* --> 15N7 + 3He2 + 77.868 MeV [56.769 MeV] (A_Li:25)
6Li3 + 6 D* --> 16O8 + 2H1 + 84.502 MeV [63.403 MeV] (A_Li:26)
6Li3 + 6 D* --> 17O8 + 1H1 + 86.421 MeV [65.322 MeV] (A_Li:27)

6Li3 + 7 D* --> 10B5 + 10B5 + 81.935 MeV [55.198 MeV] (A_Li:28)
6Li3 + 7 D* --> 14N7 + 6Li3 + 89.087 MeV [62.349 MeV] (A_Li:29)
6Li3 + 7 D* --> 16O8 + 4He2 + 108.349 MeV [81.612 MeV] (A_Li:30)
6Li3 + 7 D* --> 17O8 + 3He2 + 91.914 MeV [65.177 MeV] (A_Li:31)
6Li3 + 7 D* --> 19F9 + 1H1 + 100.235 MeV [73.498 MeV] (A_Li:32)
6Li3 + 7 D* --> 20Ne10 + 113.079 MeV [86.342 MeV] (A_Li:33)

6Li3 + 8 D* --> 12C6 + 10B5 + 107.122 MeV [74.232 MeV] (A_Li:34)
6Li3 + 8 D* --> 16O8 + 6Li3 + 109.823 MeV [76.932 MeV] (A_Li:35)
6Li3 + 8 D* --> 19F9 + 3He2 + 105.729 MeV [72.838 MeV] (A_Li:36)
6Li3 + 8 D* --> 20Ne10 + 2H1 + 113.079 MeV [80.188 MeV] (A_Li:37)
6Li3 + 8 D* --> 21Ne10 + 1H1 + 117.615 MeV [84.725 MeV] (A_Li:38)

6Li3 + 9 D* --> 12C6 + 12C6 + 132.308 MeV [92.770 MeV] (A_Li:39)
6Li3 + 9 D* --> 14N7 + 10B5 + 117.394 MeV [77.856 MeV] (A_Li:40)
6Li3 + 9 D* --> 20Ne10 + 4He2 + 136.925 MeV [97.387 MeV] (A_Li:41)
6Li3 + 9 D* --> 21Ne10 + 3He2 + 123.109 MeV [83.571 MeV] (A_Li:42)
6Li3 + 9 D* --> 23Na11 + 1H1 + 134.549 MeV [95.011 MeV] (A_Li:43)
6Li3 + 9 D* --> 24Mg12 + 146.242 MeV [106.704 MeV] (A_Li:44)

6Li3 + 10 D* --> 14N7 + 12C6 + 142.581 MeV [95.917 MeV] (A_Li:45)
6Li3 + 10 D* --> 16O8 + 10B5 + 138.130 MeV [91.467 MeV] (A_Li:46)
6Li3 + 10 D* --> 20Ne10 + 6Li3 + 138.399 MeV [91.736 MeV] (A_Li:47)
6Li3 + 10 D* --> 23Na11 + 3He2 + 140.043 MeV [93.379 MeV] (A_Li:48)
6Li3 + 10 D* --> 24Mg12 + 2H1 + 146.242 MeV [99.579 MeV] (A_Li:49)
6Li3 + 10 D* --> 25Mg12 + 1H1 + 151.348 MeV [104.685 MeV] (A_Li:50)

6Li3 + 11 D* --> 14N7 + 14N7 + 152.853 MeV [98.603 MeV] (A_Li:51)
6Li3 + 11 D* --> 16O8 + 12C6 + 163.317 MeV [109.066 MeV] (A_Li:52)
6Li3 + 11 D* --> 24Mg12 + 4He2 + 170.088 MeV [115.838 MeV] (A_Li:53)
6Li3 + 11 D* --> 25Mg12 + 3He2 + 156.841 MeV [102.591 MeV] (A_Li:54)
6Li3 + 11 D* --> 27Al13 + 1H1 + 168.487 MeV [114.237 MeV] (A_Li:55)
6Li3 + 11 D* --> 28Si14 + 180.073 MeV [125.822 MeV] (A_Li:56)

6Li3 + 12 D* --> 16O8 + 14N7 + 173.589 MeV [111.303 MeV] (A_Li:57)
6Li3 + 12 D* --> 20Ne10 + 10B5 + 166.707 MeV [104.421 MeV] (A_Li:58)
6Li3 + 12 D* --> 24Mg12 + 6Li3 + 171.562 MeV [109.277 MeV] (A_Li:59)

6Li3 + 12 D* --> 27Al13 + 3He2 + 173.981 MeV [111.695 MeV] (A_Li:60)
6Li3 + 12 D* --> 28Si14 + 2H1 + 180.073 MeV [117.787 MeV] (A_Li:61)
6Li3 + 12 D* --> 29Si14 + 1H1 + 186.322 MeV [124.036 MeV] (A_Li:62)

7Li3 + D* --> 9Be4 + 16.696 MeV [15.035 MeV] (A_Li:63)

7Li3 + 2 D* --> 7Li3 + 4He2 + 23.847 MeV [19.703 MeV] (A_Li:64)
7Li3 + 2 D* --> 9Be4 + 2H1 + 16.696 MeV [12.552 MeV] (A_Li:65)
7Li3 + 2 D* --> 11B5 + 32.512 MeV [28.368 MeV] (A_Li:66)

7Li3 + 3 D* --> 7Li3 + 6Li3 + 25.320 MeV [17.971 MeV] (A_Li:67)
7Li3 + 3 D* --> 9Be4 + 4He2 + 40.543 MeV [33.194 MeV] (A_Li:68)
7Li3 + 3 D* --> 11B5 + 2H1 + 32.512 MeV [25.163 MeV] (A_Li:69)
7Li3 + 3 D* --> 13C6 + 51.190 MeV [43.841 MeV] (A_Li:70)

7Li3 + 4 D* --> 9Be4 + 6Li3 + 42.017 MeV [30.806 MeV] (A_Li:71)
7Li3 + 4 D* --> 11B5 + 4He2 + 56.358 MeV [45.147 MeV] (A_Li:72)
7Li3 + 4 D* --> 13C6 + 2H1 + 51.190 MeV [39.980 MeV] (A_Li:73)
7Li3 + 4 D* --> 15N7 + 67.350 MeV [56.139 MeV] (A_Li:74)

7Li3 + 5 D* --> 10B5 + 7Li3 + 53.628 MeV [37.947 MeV] (A_Li:75)
7Li3 + 5 D* --> 11B5 + 6Li3 + 57.832 MeV [42.151 MeV] (A_Li:76)
7Li3 + 5 D* --> 13C6 + 4He2 + 75.037 MeV [59.356 MeV] (A_Li:77)
7Li3 + 5 D* --> 15N7 + 2H1 + 67.350 MeV [51.669 MeV] (A_Li:78)
7Li3 + 5 D* --> 17O8 + 81.396 MeV [65.715 MeV] (A_Li:79)

7Li3 + 6 D* --> 10B5 + 9Be4 + 70.324 MeV [49.602 MeV] (A_Li:80)
7Li3 + 6 D* --> 12C6 + 7Li3 + 78.814 MeV [58.092 MeV] (A_Li:81)
7Li3 + 6 D* --> 13C6 + 6Li3 + 76.511 MeV [55.788 MeV] (A_Li:82)
7Li3 + 6 D* --> 15N7 + 4He2 + 91.196 MeV [70.474 MeV] (A_Li:83)
7Li3 + 6 D* --> 17O8 + 2H1 + 81.396 MeV [60.673 MeV] (A_Li:84)
7Li3 + 6 D* --> 18O8 + 1H1 + 87.215 MeV [66.493 MeV] (A_Li:85)
7Li3 + 6 D* --> 19F9 + 95.210 MeV [74.487 MeV] (A_Li:86)

7Li3 + 7 D* --> 11B5 + 10B5 + 86.140 MeV [59.834 MeV] (A_Li:87)
7Li3 + 7 D* --> 12C6 + 9Be4 + 95.511 MeV [69.205 MeV] (A_Li:88)
7Li3 + 7 D* --> 14N7 + 7Li3 + 89.087 MeV [62.781 MeV] (A_Li:89)
7Li3 + 7 D* --> 15N7 + 6Li3 + 92.670 MeV [66.364 MeV] (A_Li:90)
7Li3 + 7 D* --> 17O8 + 4He2 + 105.242 MeV [78.936 MeV] (A_Li:91)
7Li3 + 7 D* --> 18O8 + 3He2 + 92.709 MeV [66.403 MeV] (A_Li:92)
7Li3 + 7 D* --> 19F9 + 2H1 + 95.210 MeV [68.904 MeV] (A_Li:93)
7Li3 + 7 D* --> 21Ne10 + 112.590 MeV [86.284 MeV] (A_Li:94)

7Li3 + 8 D* --> 12C6 + 11B5 + 111.326 MeV [78.919 MeV] (A_Li:95)
7Li3 + 8 D* --> 13C6 + 10B5 + 104.818 MeV [72.412 MeV] (A_Li:96)
7Li3 + 8 D* --> 14N7 + 9Be4 + 105.783 MeV [73.376 MeV] (A_Li:97)
7Li3 + 8 D* --> 16O8 + 7Li3 + 109.823 MeV [77.416 MeV] (A_Li:98)
7Li3 + 8 D* --> 17O8 + 6Li3 + 106.716 MeV [74.309 MeV] (A_Li:99)
7Li3 + 8 D* --> 19F9 + 4He2 + 119.056 MeV [86.650 MeV] (A_Li:100)
7Li3 + 8 D* --> 21Ne10 + 2H1 + 112.590 MeV [80.183 MeV] (A_Li:101)
7Li3 + 8 D* --> 22Ne10 + 1H1 + 120.730 MeV [88.323 MeV] (A_Li:102)
7Li3 + 8 D* --> 23Na11 + 129.524 MeV [97.117 MeV] (A_Li:103)

7Li3 + 9 D* --> 13C6 + 12C6 + 130.005 MeV [91.001 MeV] (A_Li:104)

7Li3 + 9 D* --> 14N7 + 11B5 + 121.598 MeV [82.594 MeV] (A_Li:105)
7Li3 + 9 D* --> 15N7 + 10B5 + 120.977 MeV [81.974 MeV] (A_Li:106)
7Li3 + 9 D* --> 16O8 + 9Be4 + 126.519 MeV [87.515 MeV] (A_Li:107)
7Li3 + 9 D* --> 19F9 + 6Li3 + 120.530 MeV [81.526 MeV] (A_Li:108)
7Li3 + 9 D* --> 21Ne10 + 4He2 + 136.436 MeV [97.433 MeV] (A_Li:109)
7Li3 + 9 D* --> 22Ne10 + 3He2 + 126.223 MeV [87.219 MeV] (A_Li:110)
7Li3 + 9 D* --> 23Na11 + 2H1 + 129.524 MeV [90.520 MeV] (A_Li:111)
7Li3 + 9 D* --> 25Mg12 + 146.322 MeV [107.319 MeV] (A_Li:112)

7Li3 + 10 D* --> 14N7 + 13C6 + 140.277 MeV [94.197 MeV] (A_Li:113)
7Li3 + 10 D* --> 15N7 + 12C6 + 146.164 MeV [100.084 MeV] (A_Li:114)
7Li3 + 10 D* --> 16O8 + 11B5 + 142.334 MeV [96.254 MeV] (A_Li:115)
7Li3 + 10 D* --> 17O8 + 10B5 + 135.023 MeV [88.943 MeV] (A_Li:116)
7Li3 + 10 D* --> 20Ne10 + 7Li3 + 138.399 MeV [92.319 MeV] (A_Li:117)
7Li3 + 10 D* --> 21Ne10 + 6Li3 + 137.910 MeV [91.830 MeV] (A_Li:118)
7Li3 + 10 D* --> 23Na11 + 4He2 + 153.370 MeV [107.290 MeV] (A_Li:119)
7Li3 + 10 D* --> 25Mg12 + 2H1 + 146.322 MeV [100.242 MeV] (A_Li:120)
7Li3 + 10 D* --> 26Mg12 + 1H1 + 155.191 MeV [109.111 MeV] (A_Li:121)
7Li3 + 10 D* --> 27Al13 + 163.462 MeV [117.382 MeV] (A_Li:122)

7Li3 + 11 D* --> 15N7 + 14N7 + 156.436 MeV [102.817 MeV] (A_Li:123)
7Li3 + 11 D* --> 16O8 + 13C6 + 161.013 MeV [107.394 MeV] (A_Li:124)
7Li3 + 11 D* --> 17O8 + 12C6 + 160.210 MeV [106.590 MeV] (A_Li:125)
7Li3 + 11 D* --> 19F9 + 10B5 + 148.838 MeV [95.218 MeV] (A_Li:126)
7Li3 + 11 D* --> 20Ne10 + 9Be4 + 155.095 MeV [101.476 MeV] (A_Li:127)
7Li3 + 11 D* --> 23Na11 + 6Li3 + 154.844 MeV [101.225 MeV] (A_Li:128)
7Li3 + 11 D* --> 25Mg12 + 4He2 + 170.169 MeV [116.550 MeV] (A_Li:129)
7Li3 + 11 D* --> 26Mg12 + 3He2 + 160.684 MeV [107.065 MeV] (A_Li:130)
7Li3 + 11 D* --> 27Al13 + 2H1 + 163.462 MeV [109.843 MeV] (A_Li:131)
7Li3 + 11 D* --> 29Si14 + 181.296 MeV [127.677 MeV] (A_Li:132)

7Li3 + 12 D* --> 16O8 + 15N7 + 177.172 MeV [115.564 MeV] (A_Li:133)
7Li3 + 12 D* --> 17O8 + 14N7 + 170.482 MeV [108.874 MeV] (A_Li:134)
7Li3 + 12 D* --> 19F9 + 12C6 + 174.024 MeV [112.416 MeV] (A_Li:135)
7Li3 + 12 D* --> 20Ne10 + 11B5 + 170.911 MeV [109.302 MeV] (A_Li:136)
7Li3 + 12 D* --> 21Ne10 + 10B5 + 166.218 MeV [104.609 MeV] (A_Li:137)
7Li3 + 12 D* --> 24Mg12 + 7Li3 + 171.562 MeV [109.954 MeV] (A_Li:138)
7Li3 + 12 D* --> 25Mg12 + 6Li3 + 171.643 MeV [110.034 MeV] (A_Li:139)
7Li3 + 12 D* --> 27Al13 + 4He2 + 187.309 MeV [125.700 MeV] (A_Li:140)
7Li3 + 12 D* --> 29Si14 + 2H1 + 181.296 MeV [119.688 MeV] (A_Li:141)
7Li3 + 12 D* --> 30Si14 + 1H1 + 189.681 MeV [128.072 MeV] (A_Li:142)
7Li3 + 12 D* --> 31P15 + 196.978 MeV [135.369 MeV] (A_Li:143)

---------- Equations follow for Beryllium, Be, element 4 ----------

9Be4 + D* --> 7Li3 + 4He2 + 7.150 MeV [5.078 MeV] (A_Be:1)
9Be4 + D* --> 11B5 + 15.815 MeV [13.743 MeV] (A_Be:2)

9Be4 + 2 D* --> 7Li3 + 6Li3 + 8.624 MeV [3.725 MeV] (A_Be:3)
9Be4 + 2 D* --> 9Be4 + 4He2 + 23.847 MeV [18.947 MeV] (A_Be:4)
9Be4 + 2 D* --> 11B5 + 2H1 + 15.815 MeV [10.916 MeV] (A_Be:5)
9Be4 + 2 D* --> 13C6 + 34.494 MeV [29.595 MeV] (A_Be:6)

9Be4 + 3 D* --> 9Be4 + 6Li3 + 25.320 MeV [16.912 MeV] (A_Be:7)

9Be4 + 3 D* --> 11B5 + 4He2 + 39.662 MeV [31.254 MeV] (A_Be:8)
9Be4 + 3 D* --> 13C6 + 2H1 + 34.494 MeV [26.086 MeV] (A_Be:9)
9Be4 + 3 D* --> 15N7 + 50.653 MeV [42.245 MeV] (A_Be:10)

9Be4 + 4 D* --> 10B5 + 7Li3 + 36.932 MeV [24.387 MeV] (A_Be:11)
9Be4 + 4 D* --> 11B5 + 6Li3 + 41.136 MeV [28.591 MeV] (A_Be:12)
9Be4 + 4 D* --> 13C6 + 4He2 + 58.341 MeV [45.796 MeV] (A_Be:13)
9Be4 + 4 D* --> 15N7 + 2H1 + 50.653 MeV [38.109 MeV] (A_Be:14)
9Be4 + 4 D* --> 17O8 + 64.699 MeV [52.155 MeV] (A_Be:15)

9Be4 + 5 D* --> 10B5 + 9Be4 + 53.628 MeV [36.359 MeV] (A_Be:16)
9Be4 + 5 D* --> 12C6 + 7Li3 + 62.118 MeV [44.849 MeV] (A_Be:17)
9Be4 + 5 D* --> 13C6 + 6Li3 + 59.814 MeV [42.546 MeV] (A_Be:18)
9Be4 + 5 D* --> 15N7 + 4He2 + 74.500 MeV [57.231 MeV] (A_Be:19)
9Be4 + 5 D* --> 17O8 + 2H1 + 64.699 MeV [47.431 MeV] (A_Be:20)
9Be4 + 5 D* --> 18O8 + 1H1 + 70.519 MeV [53.250 MeV] (A_Be:21)
9Be4 + 5 D* --> 19F9 + 78.514 MeV [61.245 MeV] (A_Be:22)

9Be4 + 6 D* --> 11B5 + 10B5 + 69.443 MeV [46.895 MeV] (A_Be:23)
9Be4 + 6 D* --> 12C6 + 9Be4 + 78.814 MeV [56.266 MeV] (A_Be:24)
9Be4 + 6 D* --> 14N7 + 7Li3 + 72.390 MeV [49.843 MeV] (A_Be:25)
9Be4 + 6 D* --> 15N7 + 6Li3 + 75.974 MeV [53.426 MeV] (A_Be:26)
9Be4 + 6 D* --> 17O8 + 4He2 + 88.546 MeV [65.998 MeV] (A_Be:27)
9Be4 + 6 D* --> 18O8 + 3He2 + 76.012 MeV [53.464 MeV] (A_Be:28)
9Be4 + 6 D* --> 19F9 + 2H1 + 78.514 MeV [55.966 MeV] (A_Be:29)
9Be4 + 6 D* --> 21Ne10 + 95.894 MeV [73.346 MeV] (A_Be:30)

9Be4 + 7 D* --> 12C6 + 11B5 + 94.630 MeV [66.274 MeV] (A_Be:31)
9Be4 + 7 D* --> 13C6 + 10B5 + 88.122 MeV [59.766 MeV] (A_Be:32)
9Be4 + 7 D* --> 14N7 + 9Be4 + 89.087 MeV [60.731 MeV] (A_Be:33)
9Be4 + 7 D* --> 16O8 + 7Li3 + 93.127 MeV [64.771 MeV] (A_Be:34)
9Be4 + 7 D* --> 17O8 + 6Li3 + 90.020 MeV [61.664 MeV] (A_Be:35)
9Be4 + 7 D* --> 19F9 + 4He2 + 102.360 MeV [74.004 MeV] (A_Be:36)
9Be4 + 7 D* --> 21Ne10 + 2H1 + 95.894 MeV [67.538 MeV] (A_Be:37)
9Be4 + 7 D* --> 22Ne10 + 1H1 + 104.033 MeV [75.678 MeV] (A_Be:38)
9Be4 + 7 D* --> 23Na11 + 112.828 MeV [84.472 MeV] (A_Be:39)

9Be4 + 8 D* --> 13C6 + 12C6 + 113.308 MeV [78.638 MeV] (A_Be:40)
9Be4 + 8 D* --> 14N7 + 11B5 + 104.902 MeV [70.232 MeV] (A_Be:41)
9Be4 + 8 D* --> 15N7 + 10B5 + 104.281 MeV [69.611 MeV] (A_Be:42)
9Be4 + 8 D* --> 16O8 + 9Be4 + 109.823 MeV [75.153 MeV] (A_Be:43)
9Be4 + 8 D* --> 19F9 + 6Li3 + 103.834 MeV [69.164 MeV] (A_Be:44)
9Be4 + 8 D* --> 21Ne10 + 4He2 + 119.740 MeV [85.070 MeV] (A_Be:45)
9Be4 + 8 D* --> 22Ne10 + 3He2 + 109.527 MeV [74.857 MeV] (A_Be:46)
9Be4 + 8 D* --> 23Na11 + 2H1 + 112.828 MeV [78.157 MeV] (A_Be:47)
9Be4 + 8 D* --> 25Mg12 + 129.626 MeV [94.956 MeV] (A_Be:48)

9Be4 + 9 D* --> 14N7 + 13C6 + 123.581 MeV [82.109 MeV] (A_Be:49)
9Be4 + 9 D* --> 15N7 + 12C6 + 129.468 MeV [87.996 MeV] (A_Be:50)
9Be4 + 9 D* --> 16O8 + 11B5 + 125.638 MeV [84.166 MeV] (A_Be:51)
9Be4 + 9 D* --> 17O8 + 10B5 + 118.327 MeV [76.855 MeV] (A_Be:52)
9Be4 + 9 D* --> 20Ne10 + 7Li3 + 121.703 MeV [80.231 MeV] (A_Be:53)
9Be4 + 9 D* --> 21Ne10 + 6Li3 + 121.214 MeV [79.742 MeV] (A_Be:54)
9Be4 + 9 D* --> 23Na11 + 4He2 + 136.674 MeV [95.202 MeV] (A_Be:55)

9Be4 + 9 D* --> 25Mg12 + 2H1 + 129.626 MeV [88.154 MeV] (A_Be:56)
9Be4 + 9 D* --> 26Mg12 + 1H1 + 138.495 MeV [97.023 MeV] (A_Be:57)
9Be4 + 9 D* --> 27Al13 + 146.766 MeV [105.294 MeV] (A_Be:58)

9Be4 + 10 D* --> 15N7 + 14N7 + 139.740 MeV [90.995 MeV] (A_Be:59)
9Be4 + 10 D* --> 16O8 + 13C6 + 144.317 MeV [95.572 MeV] (A_Be:60)
9Be4 + 10 D* --> 17O8 + 12C6 + 143.514 MeV [94.769 MeV] (A_Be:61)
9Be4 + 10 D* --> 19F9 + 10B5 + 132.142 MeV [83.397 MeV] (A_Be:62)
9Be4 + 10 D* --> 20Ne10 + 9Be4 + 138.399 MeV [89.654 MeV] (A_Be:63)
9Be4 + 10 D* --> 23Na11 + 6Li3 + 138.148 MeV [89.403 MeV] (A_Be:64)
9Be4 + 10 D* --> 25Mg12 + 4He2 + 153.473 MeV [104.728 MeV] (A_Be:65)
9Be4 + 10 D* --> 26Mg12 + 3He2 + 143.988 MeV [95.243 MeV] (A_Be:66)
9Be4 + 10 D* --> 27Al13 + 2H1 + 146.766 MeV [98.021 MeV] (A_Be:67)
9Be4 + 10 D* --> 29Si14 + 164.600 MeV [115.855 MeV] (A_Be:68)

9Be4 + 11 D* --> 16O8 + 15N7 + 160.476 MeV [104.002 MeV] (A_Be:69)
9Be4 + 11 D* --> 17O8 + 14N7 + 153.786 MeV [97.311 MeV] (A_Be:70)
9Be4 + 11 D* --> 19F9 + 12C6 + 157.328 MeV [100.853 MeV] (A_Be:71)
9Be4 + 11 D* --> 20Ne10 + 11B5 + 154.215 MeV [97.740 MeV] (A_Be:72)
9Be4 + 11 D* --> 21Ne10 + 10B5 + 149.522 MeV [93.047 MeV] (A_Be:73)
9Be4 + 11 D* --> 24Mg12 + 7Li3 + 154.866 MeV [98.391 MeV] (A_Be:74)
9Be4 + 11 D* --> 25Mg12 + 6Li3 + 154.947 MeV [98.472 MeV] (A_Be:75)
9Be4 + 11 D* --> 27Al13 + 4He2 + 170.612 MeV [114.138 MeV] (A_Be:76)
9Be4 + 11 D* --> 29Si14 + 2H1 + 164.600 MeV [108.125 MeV] (A_Be:77)
9Be4 + 11 D* --> 30Si14 + 1H1 + 172.985 MeV [116.510 MeV] (A_Be:78)
9Be4 + 11 D* --> 31P15 + 180.281 MeV [123.807 MeV] (A_Be:79)

9Be4 + 12 D* --> 17O8 + 16O8 + 174.522 MeV [109.874 MeV] (A_Be:80)
9Be4 + 12 D* --> 19F9 + 14N7 + 167.600 MeV [102.952 MeV] (A_Be:81)
9Be4 + 12 D* --> 20Ne10 + 13C6 + 172.893 MeV [108.245 MeV] (A_Be:82)
9Be4 + 12 D* --> 21Ne10 + 12C6 + 174.708 MeV [110.060 MeV] (A_Be:83)
9Be4 + 12 D* --> 23Na11 + 10B5 + 166.455 MeV [101.808 MeV] (A_Be:84)
9Be4 + 12 D* --> 24Mg12 + 9Be4 + 171.562 MeV [106.914 MeV] (A_Be:85)
9Be4 + 12 D* --> 27Al13 + 6Li3 + 172.086 MeV [107.438 MeV] (A_Be:86)
9Be4 + 12 D* --> 29Si14 + 4He2 + 188.446 MeV [123.799 MeV] (A_Be:87)
9Be4 + 12 D* --> 30Si14 + 3He2 + 178.478 MeV [113.830 MeV] (A_Be:88)
9Be4 + 12 D* --> 31P15 + 2H1 + 180.281 MeV [115.634 MeV] (A_Be:89)
9Be4 + 12 D* --> 33S16 + 195.562 MeV [130.915 MeV] (A_Be:90)

---------- Equations follow for Boron, B, element 5 ----------

10B5 + D* --> 11B5 + 1H1 + 9.230 MeV [6.714 MeV] (A_B:1)
10B5 + D* --> 12C6 + 25.186 MeV [22.671 MeV] (A_B:2)

10B5 + 2 D* --> 10B5 + 4He2 + 23.847 MeV [18.111 MeV] (A_B:3)
10B5 + 2 D* --> 11B5 + 3He2 + 14.723 MeV [8.987 MeV] (A_B:4)
10B5 + 2 D* --> 12C6 + 2H1 + 25.186 MeV [19.451 MeV] (A_B:5)
10B5 + 2 D* --> 13C6 + 1H1 + 27.908 MeV [22.172 MeV] (A_B:6)
10B5 + 2 D* --> 14N7 + 35.459 MeV [29.723 MeV] (A_B:7)

10B5 + 3 D* --> 10B5 + 6Li3 + 25.320 MeV [15.720 MeV] (A_B:8)
10B5 + 3 D* --> 12C6 + 4He2 + 49.033 MeV [39.432 MeV] (A_B:9)
10B5 + 3 D* --> 13C6 + 3He2 + 33.402 MeV [23.801 MeV] (A_B:10)
10B5 + 3 D* --> 14N7 + 2H1 + 35.459 MeV [25.858 MeV] (A_B:11)

10B5 + 3 D* --> 15N7 + 1H1 + 44.067 MeV [34.467 MeV] (A_B:12)
10B5 + 3 D* --> 16O8 + 56.195 MeV [46.594 MeV] (A_B:13)

10B5 + 4 D* --> 12C6 + 6Li3 + 50.507 MeV [36.441 MeV] (A_B:14)
10B5 + 4 D* --> 14N7 + 4He2 + 59.305 MeV [45.239 MeV] (A_B:15)
10B5 + 4 D* --> 15N7 + 3He2 + 49.561 MeV [35.495 MeV] (A_B:16)
10B5 + 4 D* --> 16O8 + 2H1 + 56.195 MeV [42.129 MeV] (A_B:17)
10B5 + 4 D* --> 17O8 + 1H1 + 58.113 MeV [44.047 MeV] (A_B:18)

10B5 + 5 D* --> 10B5 + 10B5 + 53.628 MeV [34.530 MeV] (A_B:19)
10B5 + 5 D* --> 14N7 + 6Li3 + 60.779 MeV [41.681 MeV] (A_B:20)
10B5 + 5 D* --> 16O8 + 4He2 + 80.041 MeV [60.943 MeV] (A_B:21)
10B5 + 5 D* --> 17O8 + 3He2 + 63.607 MeV [44.509 MeV] (A_B:22)
10B5 + 5 D* --> 19F9 + 1H1 + 71.928 MeV [52.830 MeV] (A_B:23)
10B5 + 5 D* --> 20Ne10 + 84.771 MeV [65.673 MeV] (A_B:24)

10B5 + 6 D* --> 12C6 + 10B5 + 78.814 MeV [54.147 MeV] (A_B:25)
10B5 + 6 D* --> 16O8 + 6Li3 + 81.515 MeV [56.848 MeV] (A_B:26)
10B5 + 6 D* --> 19F9 + 3He2 + 77.421 MeV [52.753 MeV] (A_B:27)
10B5 + 6 D* --> 20Ne10 + 2H1 + 84.771 MeV [60.104 MeV] (A_B:28)
10B5 + 6 D* --> 21Ne10 + 1H1 + 89.308 MeV [64.640 MeV] (A_B:29)

10B5 + 7 D* --> 12C6 + 12C6 + 104.001 MeV [73.249 MeV] (A_B:30)
10B5 + 7 D* --> 14N7 + 10B5 + 89.087 MeV [58.335 MeV] (A_B:31)
10B5 + 7 D* --> 20Ne10 + 4He2 + 108.618 MeV [77.866 MeV] (A_B:32)
10B5 + 7 D* --> 21Ne10 + 3He2 + 94.801 MeV [64.049 MeV] (A_B:33)
10B5 + 7 D* --> 23Na11 + 1H1 + 106.242 MeV [75.490 MeV] (A_B:34)
10B5 + 7 D* --> 24Mg12 + 117.934 MeV [87.182 MeV] (A_B:35)

10B5 + 8 D* --> 14N7 + 12C6 + 114.273 MeV [76.942 MeV] (A_B:36)
10B5 + 8 D* --> 16O8 + 10B5 + 109.823 MeV [72.492 MeV] (A_B:37)
10B5 + 8 D* --> 20Ne10 + 6Li3 + 110.092 MeV [72.761 MeV] (A_B:38)
10B5 + 8 D* --> 23Na11 + 3He2 + 111.735 MeV [74.404 MeV] (A_B:39)
10B5 + 8 D* --> 24Mg12 + 2H1 + 117.934 MeV [80.604 MeV] (A_B:40)
10B5 + 8 D* --> 25Mg12 + 1H1 + 123.040 MeV [85.710 MeV] (A_B:41)

10B5 + 9 D* --> 14N7 + 14N7 + 124.545 MeV [80.159 MeV] (A_B:42)
10B5 + 9 D* --> 16O8 + 12C6 + 135.009 MeV [90.623 MeV] (A_B:43)
10B5 + 9 D* --> 24Mg12 + 4He2 + 141.781 MeV [97.394 MeV] (A_B:44)
10B5 + 9 D* --> 25Mg12 + 3He2 + 128.534 MeV [84.147 MeV] (A_B:45)
10B5 + 9 D* --> 27Al13 + 1H1 + 140.180 MeV [95.793 MeV] (A_B:46)
10B5 + 9 D* --> 28Si14 + 151.765 MeV [107.378 MeV] (A_B:47)

10B5 + 10 D* --> 16O8 + 14N7 + 145.282 MeV [93.377 MeV] (A_B:48)
10B5 + 10 D* --> 20Ne10 + 10B5 + 138.399 MeV [86.494 MeV] (A_B:49)
10B5 + 10 D* --> 24Mg12 + 6Li3 + 143.255 MeV [91.350 MeV] (A_B:50)
10B5 + 10 D* --> 27Al13 + 3He2 + 145.673 MeV [93.769 MeV] (A_B:51)
10B5 + 10 D* --> 28Si14 + 2H1 + 151.765 MeV [99.860 MeV] (A_B:52)
10B5 + 10 D* --> 29Si14 + 1H1 + 158.014 MeV [106.109 MeV] (A_B:53)

10B5 + 11 D* --> 16O8 + 16O8 + 166.018 MeV [106.146 MeV] (A_B:54)
10B5 + 11 D* --> 20Ne10 + 12C6 + 163.586 MeV [103.714 MeV] (A_B:55)
10B5 + 11 D* --> 28Si14 + 4He2 + 175.612 MeV [115.740 MeV] (A_B:56)
10B5 + 11 D* --> 29Si14 + 3He2 + 163.508 MeV [103.636 MeV] (A_B:57)

10B5 + 11 D* --> 31P15 + 1H1 + 173.696 MeV [113.824 MeV] (A_B:58)
10B5 + 11 D* --> 32S16 + 182.559 MeV [122.688 MeV] (A_B:59)

10B5 + 12 D* --> 20Ne10 + 14N7 + 173.858 MeV [105.583 MeV] (A_B:60)
10B5 + 12 D* --> 24Mg12 + 10B5 + 171.562 MeV [103.287 MeV] (A_B:61)
10B5 + 12 D* --> 28Si14 + 6Li3 + 177.085 MeV [108.811 MeV] (A_B:62)
10B5 + 12 D* --> 31P15 + 3He2 + 179.189 MeV [110.914 MeV] (A_B:63)
10B5 + 12 D* --> 32S16 + 2H1 + 182.559 MeV [114.285 MeV] (A_B:64)
10B5 + 12 D* --> 33S16 + 1H1 + 188.976 MeV [120.702 MeV] (A_B:65)

11B5 + D* --> 9Be4 + 4He2 + 8.031 MeV [5.581 MeV] (A_B:66)
11B5 + D* --> 13C6 + 18.679 MeV [16.229 MeV] (A_B:67)

11B5 + 2 D* --> 9Be4 + 6Li3 + 9.505 MeV [3.900 MeV] (A_B:68)
11B5 + 2 D* --> 11B5 + 4He2 + 23.847 MeV [18.241 MeV] (A_B:69)
11B5 + 2 D* --> 13C6 + 2H1 + 18.679 MeV [13.073 MeV] (A_B:70)
11B5 + 2 D* --> 15N7 + 34.838 MeV [29.233 MeV] (A_B:71)

11B5 + 3 D* --> 10B5 + 7Li3 + 21.116 MeV [11.708 MeV] (A_B:72)
11B5 + 3 D* --> 11B5 + 6Li3 + 25.320 MeV [15.912 MeV] (A_B:73)
11B5 + 3 D* --> 13C6 + 4He2 + 42.525 MeV [33.117 MeV] (A_B:74)
11B5 + 3 D* --> 15N7 + 2H1 + 34.838 MeV [25.429 MeV] (A_B:75)
11B5 + 3 D* --> 17O8 + 48.884 MeV [39.475 MeV] (A_B:76)

11B5 + 4 D* --> 10B5 + 9Be4 + 37.812 MeV [23.997 MeV] (A_B:77)
11B5 + 4 D* --> 12C6 + 7Li3 + 46.303 MeV [32.488 MeV] (A_B:78)
11B5 + 4 D* --> 13C6 + 6Li3 + 43.999 MeV [30.184 MeV] (A_B:79)
11B5 + 4 D* --> 15N7 + 4He2 + 58.684 MeV [44.869 MeV] (A_B:80)
11B5 + 4 D* --> 17O8 + 2H1 + 48.884 MeV [35.069 MeV] (A_B:81)
11B5 + 4 D* --> 18O8 + 1H1 + 54.703 MeV [40.888 MeV] (A_B:82)
11B5 + 4 D* --> 19F9 + 62.698 MeV [48.883 MeV] (A_B:83)

11B5 + 5 D* --> 11B5 + 10B5 + 53.628 MeV [34.838 MeV] (A_B:84)
11B5 + 5 D* --> 12C6 + 9Be4 + 62.999 MeV [44.209 MeV] (A_B:85)
11B5 + 5 D* --> 14N7 + 7Li3 + 56.575 MeV [37.785 MeV] (A_B:86)
11B5 + 5 D* --> 15N7 + 6Li3 + 60.158 MeV [41.368 MeV] (A_B:87)
11B5 + 5 D* --> 17O8 + 4He2 + 72.730 MeV [53.941 MeV] (A_B:88)
11B5 + 5 D* --> 18O8 + 3He2 + 60.197 MeV [41.407 MeV] (A_B:89)
11B5 + 5 D* --> 19F9 + 2H1 + 62.698 MeV [43.908 MeV] (A_B:90)
11B5 + 5 D* --> 21Ne10 + 80.078 MeV [61.288 MeV] (A_B:91)

11B5 + 6 D* --> 12C6 + 11B5 + 78.814 MeV [54.509 MeV] (A_B:92)
11B5 + 6 D* --> 13C6 + 10B5 + 72.307 MeV [48.002 MeV] (A_B:93)
11B5 + 6 D* --> 14N7 + 9Be4 + 73.271 MeV [48.966 MeV] (A_B:94)
11B5 + 6 D* --> 16O8 + 7Li3 + 77.311 MeV [53.006 MeV] (A_B:95)
11B5 + 6 D* --> 17O8 + 6Li3 + 74.204 MeV [49.899 MeV] (A_B:96)
11B5 + 6 D* --> 19F9 + 4He2 + 86.545 MeV [62.240 MeV] (A_B:97)
11B5 + 6 D* --> 21Ne10 + 2H1 + 80.078 MeV [55.773 MeV] (A_B:98)
11B5 + 6 D* --> 22Ne10 + 1H1 + 88.218 MeV [63.913 MeV] (A_B:99)
11B5 + 6 D* --> 23Na11 + 97.012 MeV [72.707 MeV] (A_B:100)

11B5 + 7 D* --> 13C6 + 12C6 + 97.493 MeV [67.157 MeV] (A_B:101)
11B5 + 7 D* --> 14N7 + 11B5 + 89.087 MeV [58.750 MeV] (A_B:102)
11B5 + 7 D* --> 15N7 + 10B5 + 88.466 MeV [58.129 MeV] (A_B:103)

11B5 + 7 D* --> 16O8 + 9Be4 + 94.007 MeV [63.671 MeV] (A_B:104)
11B5 + 7 D* --> 19F9 + 6Li3 + 88.019 MeV [57.682 MeV] (A_B:105)
11B5 + 7 D* --> 21Ne10 + 4He2 + 103.925 MeV [73.589 MeV] (A_B:106)
11B5 + 7 D* --> 22Ne10 + 3He2 + 93.711 MeV [63.375 MeV] (A_B:107)
11B5 + 7 D* --> 23Na11 + 2H1 + 97.012 MeV [66.676 MeV] (A_B:108)
11B5 + 7 D* --> 25Mg12 + 113.811 MeV [83.474 MeV] (A_B:109)

11B5 + 8 D* --> 14N7 + 13C6 + 107.765 MeV [70.901 MeV] (A_B:110)
11B5 + 8 D* --> 15N7 + 12C6 + 113.652 MeV [76.788 MeV] (A_B:111)
11B5 + 8 D* --> 16O8 + 11B5 + 109.823 MeV [72.959 MeV] (A_B:112)
11B5 + 8 D* --> 17O8 + 10B5 + 102.512 MeV [65.648 MeV] (A_B:113)
11B5 + 8 D* --> 20Ne10 + 7Li3 + 105.887 MeV [69.023 MeV] (A_B:114)
11B5 + 8 D* --> 21Ne10 + 6Li3 + 105.399 MeV [68.535 MeV] (A_B:115)
11B5 + 8 D* --> 23Na11 + 4He2 + 120.859 MeV [83.995 MeV] (A_B:116)
11B5 + 8 D* --> 25Mg12 + 2H1 + 113.811 MeV [76.947 MeV] (A_B:117)
11B5 + 8 D* --> 26Mg12 + 1H1 + 122.679 MeV [85.815 MeV] (A_B:118)
11B5 + 8 D* --> 27Al13 + 130.950 MeV [94.086 MeV] (A_B:119)

11B5 + 9 D* --> 15N7 + 14N7 + 123.925 MeV [80.054 MeV] (A_B:120)
11B5 + 9 D* --> 16O8 + 13C6 + 128.501 MeV [84.631 MeV] (A_B:121)
11B5 + 9 D* --> 17O8 + 12C6 + 127.698 MeV [83.828 MeV] (A_B:122)
11B5 + 9 D* --> 19F9 + 10B5 + 116.326 MeV [72.456 MeV] (A_B:123)
11B5 + 9 D* --> 20Ne10 + 9Be4 + 122.584 MeV [78.713 MeV] (A_B:124)
11B5 + 9 D* --> 23Na11 + 6Li3 + 122.332 MeV [78.462 MeV] (A_B:125)
11B5 + 9 D* --> 25Mg12 + 4He2 + 137.657 MeV [93.787 MeV] (A_B:126)
11B5 + 9 D* --> 26Mg12 + 3He2 + 128.173 MeV [84.302 MeV] (A_B:127)
11B5 + 9 D* --> 27Al13 + 2H1 + 130.950 MeV [87.080 MeV] (A_B:128)
11B5 + 9 D* --> 29Si14 + 148.784 MeV [104.914 MeV] (A_B:129)

11B5 + 10 D* --> 16O8 + 15N7 + 144.661 MeV [93.320 MeV] (A_B:130)
11B5 + 10 D* --> 17O8 + 14N7 + 137.971 MeV [86.630 MeV] (A_B:131)
11B5 + 10 D* --> 19F9 + 12C6 + 141.513 MeV [90.172 MeV] (A_B:132)
11B5 + 10 D* --> 20Ne10 + 11B5 + 138.399 MeV [87.059 MeV] (A_B:133)
11B5 + 10 D* --> 21Ne10 + 10B5 + 133.706 MeV [82.366 MeV] (A_B:134)
11B5 + 10 D* --> 24Mg12 + 7Li3 + 139.051 MeV [87.710 MeV] (A_B:135)
11B5 + 10 D* --> 25Mg12 + 6Li3 + 139.131 MeV [87.791 MeV] (A_B:136)
11B5 + 10 D* --> 27Al13 + 4He2 + 154.797 MeV [103.456 MeV] (A_B:137)
11B5 + 10 D* --> 29Si14 + 2H1 + 148.784 MeV [97.444 MeV] (A_B:138)
11B5 + 10 D* --> 30Si14 + 1H1 + 157.169 MeV [105.829 MeV] (A_B:139)
11B5 + 10 D* --> 31P15 + 164.466 MeV [113.126 MeV] (A_B:140)

11B5 + 11 D* --> 17O8 + 16O8 + 158.707 MeV [99.446 MeV] (A_B:141)
11B5 + 11 D* --> 19F9 + 14N7 + 151.785 MeV [92.524 MeV] (A_B:142)
11B5 + 11 D* --> 20Ne10 + 13C6 + 157.078 MeV [97.817 MeV] (A_B:143)
11B5 + 11 D* --> 21Ne10 + 12C6 + 158.893 MeV [99.632 MeV] (A_B:144)
11B5 + 11 D* --> 23Na11 + 10B5 + 150.640 MeV [91.380 MeV] (A_B:145)
11B5 + 11 D* --> 24Mg12 + 9Be4 + 155.747 MeV [96.486 MeV] (A_B:146)
11B5 + 11 D* --> 27Al13 + 6Li3 + 156.271 MeV [97.010 MeV] (A_B:147)
11B5 + 11 D* --> 29Si14 + 4He2 + 172.631 MeV [113.371 MeV] (A_B:148)
11B5 + 11 D* --> 30Si14 + 3He2 + 162.663 MeV [103.402 MeV] (A_B:149)
11B5 + 11 D* --> 31P15 + 2H1 + 164.466 MeV [105.206 MeV] (A_B:150)
11B5 + 11 D* --> 33S16 + 179.747 MeV [120.486 MeV] (A_B:151)

11B5 + 12 D* --> 19F9 + 16O8 + 172.521 MeV [104.903 MeV] (A_B:152)

11B5 + 12 D* --> 20Ne10 + 15N7 + 173.237 MeV [105.619 MeV] (A_B:153)
11B5 + 12 D* --> 21Ne10 + 14N7 + 169.165 MeV [101.547 MeV] (A_B:154)
11B5 + 12 D* --> 23Na11 + 12C6 + 175.826 MeV [108.208 MeV] (A_B:155)
11B5 + 12 D* --> 24Mg12 + 11B5 + 171.562 MeV [103.944 MeV] (A_B:156)
11B5 + 12 D* --> 25Mg12 + 10B5 + 167.439 MeV [99.820 MeV] (A_B:157)
11B5 + 12 D* --> 28Si14 + 7Li3 + 172.881 MeV [105.263 MeV] (A_B:158)
11B5 + 12 D* --> 29Si14 + 6Li3 + 174.105 MeV [106.487 MeV] (A_B:159)
11B5 + 12 D* --> 31P15 + 4He2 + 188.313 MeV [120.694 MeV] (A_B:160)
11B5 + 12 D* --> 33S16 + 2H1 + 179.747 MeV [112.129 MeV] (A_B:161)
11B5 + 12 D* --> 34S16 + 1H1 + 188.939 MeV [121.321 MeV] (A_B:162)
11B5 + 12 D* --> 35Cl17 + 195.310 MeV [127.692 MeV] (A_B:163)

---------- Equations follow for Carbon, C, element 6 ----------

12C6 + D* --> 13C6 + 1H1 + 2.722 MeV [-0.146 MeV] (A_C:1)
12C6 + D* --> 14N7 + 10.272 MeV [7.404 MeV] (A_C:2)

12C6 + 2 D* --> 10B5 + 6Li3 + 00.134 MeV [-6.266 MeV] (A_C:3)
12C6 + 2 D* --> 12C6 + 4He2 + 23.847 MeV [17.446 MeV] (A_C:4)
12C6 + 2 D* --> 13C6 + 3He2 + 8.215 MeV [1.815 MeV] (A_C:5)
12C6 + 2 D* --> 14N7 + 2H1 + 10.272 MeV [3.872 MeV] (A_C:6)
12C6 + 2 D* --> 15N7 + 1H1 + 18.881 MeV [12.481 MeV] (A_C:7)
12C6 + 2 D* --> 16O8 + 31.008 MeV [24.608 MeV] (A_C:8)

12C6 + 3 D* --> 12C6 + 6Li3 + 25.320 MeV [14.771 MeV] (A_C:9)
12C6 + 3 D* --> 14N7 + 4He2 + 34.119 MeV [23.569 MeV] (A_C:10)
12C6 + 3 D* --> 15N7 + 3He2 + 24.375 MeV [13.825 MeV] (A_C:11)
12C6 + 3 D* --> 16O8 + 2H1 + 31.008 MeV [20.459 MeV] (A_C:12)
12C6 + 3 D* --> 17O8 + 1H1 + 32.927 MeV [22.377 MeV] (A_C:13)

12C6 + 4 D* --> 10B5 + 10B5 + 28.441 MeV [13.163 MeV] (A_C:14)
12C6 + 4 D* --> 14N7 + 6Li3 + 35.593 MeV [20.314 MeV] (A_C:15)
12C6 + 4 D* --> 16O8 + 4He2 + 54.855 MeV [39.577 MeV] (A_C:16)
12C6 + 4 D* --> 17O8 + 3He2 + 38.420 MeV [23.142 MeV] (A_C:17)
12C6 + 4 D* --> 19F9 + 1H1 + 46.741 MeV [31.463 MeV] (A_C:18)
12C6 + 4 D* --> 20Ne10 + 59.585 MeV [44.306 MeV] (A_C:19)

12C6 + 5 D* --> 12C6 + 10B5 + 53.628 MeV [33.071 MeV] (A_C:20)
12C6 + 5 D* --> 16O8 + 6Li3 + 56.329 MeV [35.772 MeV] (A_C:21)
12C6 + 5 D* --> 19F9 + 3He2 + 52.235 MeV [31.678 MeV] (A_C:22)
12C6 + 5 D* --> 20Ne10 + 2H1 + 59.585 MeV [39.028 MeV] (A_C:23)
12C6 + 5 D* --> 21Ne10 + 1H1 + 64.121 MeV [43.565 MeV] (A_C:24)

12C6 + 6 D* --> 12C6 + 12C6 + 78.814 MeV [52.456 MeV] (A_C:25)
12C6 + 6 D* --> 14N7 + 10B5 + 63.900 MeV [37.541 MeV] (A_C:26)
12C6 + 6 D* --> 20Ne10 + 4He2 + 83.431 MeV [57.073 MeV] (A_C:27)
12C6 + 6 D* --> 21Ne10 + 3He2 + 69.615 MeV [43.256 MeV] (A_C:28)
12C6 + 6 D* --> 23Na11 + 1H1 + 81.055 MeV [54.696 MeV] (A_C:29)
12C6 + 6 D* --> 24Mg12 + 92.748 MeV [66.389 MeV] (A_C:30)

12C6 + 7 D* --> 14N7 + 12C6 + 89.087 MeV [56.422 MeV] (A_C:31)
12C6 + 7 D* --> 16O8 + 10B5 + 84.636 MeV [51.972 MeV] (A_C:32)
12C6 + 7 D* --> 20Ne10 + 6Li3 + 84.905 MeV [52.241 MeV] (A_C:33)
12C6 + 7 D* --> 23Na11 + 3He2 + 86.549 MeV [53.884 MeV] (A_C:34)

12C6 + 7 D* --> 24Mg12 + 2H1 + 92.748 MeV [60.084 MeV] (A_C:35)
12C6 + 7 D* --> 25Mg12 + 1H1 + 97.854 MeV [65.190 MeV] (A_C:36)

12C6 + 8 D* --> 14N7 + 14N7 + 99.359 MeV [59.904 MeV] (A_C:37)
12C6 + 8 D* --> 16O8 + 12C6 + 109.823 MeV [70.368 MeV] (A_C:38)
12C6 + 8 D* --> 24Mg12 + 4He2 + 116.594 MeV [77.140 MeV] (A_C:39)
12C6 + 8 D* --> 25Mg12 + 3He2 + 103.347 MeV [63.893 MeV] (A_C:40)
12C6 + 8 D* --> 27Al13 + 1H1 + 114.993 MeV [75.539 MeV] (A_C:41)
12C6 + 8 D* --> 28Si14 + 126.579 MeV [87.124 MeV] (A_C:42)

12C6 + 9 D* --> 16O8 + 14N7 + 120.095 MeV [73.381 MeV] (A_C:43)
12C6 + 9 D* --> 20Ne10 + 10B5 + 113.213 MeV [66.498 MeV] (A_C:44)
12C6 + 9 D* --> 24Mg12 + 6Li3 + 118.068 MeV [71.354 MeV] (A_C:45)
12C6 + 9 D* --> 27Al13 + 3He2 + 120.487 MeV [73.773 MeV] (A_C:46)
12C6 + 9 D* --> 28Si14 + 2H1 + 126.579 MeV [79.864 MeV] (A_C:47)
12C6 + 9 D* --> 29Si14 + 1H1 + 132.828 MeV [86.113 MeV] (A_C:48)

12C6 + 10 D* --> 16O8 + 16O8 + 140.831 MeV [86.403 MeV] (A_C:49)
12C6 + 10 D* --> 20Ne10 + 12C6 + 138.399 MeV [83.971 MeV] (A_C:50)
12C6 + 10 D* --> 28Si14 + 4He2 + 150.425 MeV [95.997 MeV] (A_C:51)
12C6 + 10 D* --> 29Si14 + 3He2 + 138.321 MeV [83.892 MeV] (A_C:52)
12C6 + 10 D* --> 31P15 + 1H1 + 148.509 MeV [94.081 MeV] (A_C:53)
12C6 + 10 D* --> 32S16 + 157.373 MeV [102.944 MeV] (A_C:54)

12C6 + 11 D* --> 20Ne10 + 14N7 + 148.671 MeV [86.086 MeV] (A_C:55)
12C6 + 11 D* --> 24Mg12 + 10B5 + 146.376 MeV [83.791 MeV] (A_C:56)
12C6 + 11 D* --> 28Si14 + 6Li3 + 151.899 MeV [89.314 MeV] (A_C:57)
12C6 + 11 D* --> 31P15 + 3He2 + 154.003 MeV [91.417 MeV] (A_C:58)
12C6 + 11 D* --> 32S16 + 2H1 + 157.373 MeV [94.788 MeV] (A_C:59)
12C6 + 11 D* --> 33S16 + 1H1 + 163.790 MeV [101.205 MeV] (A_C:60)

12C6 + 12 D* --> 20Ne10 + 16O8 + 169.408 MeV [98.235 MeV] (A_C:61)
12C6 + 12 D* --> 24Mg12 + 12C6 + 171.562 MeV [100.389 MeV] (A_C:62)
12C6 + 12 D* --> 32S16 + 4He2 + 181.219 MeV [110.046 MeV] (A_C:63)
12C6 + 12 D* --> 33S16 + 3He2 + 169.283 MeV [98.110 MeV] (A_C:64)
12C6 + 12 D* --> 35Cl17 + 1H1 + 179.353 MeV [108.180 MeV] (A_C:65)
12C6 + 12 D* --> 36Ar18 + 187.860 MeV [116.687 MeV] (A_C:66)

13C6 + D* --> 11B5 + 4He2 + 5.168 MeV [2.365 MeV] (A_C:67)
13C6 + D* --> 15N7 + 16.159 MeV [13.357 MeV] (A_C:68)

13C6 + 2 D* --> 10B5 + 7Li3 + 2.438 MeV [-3.835 MeV] (A_C:69)
13C6 + 2 D* --> 11B5 + 6Li3 + 6.642 MeV [00.369 MeV] (A_C:70)
13C6 + 2 D* --> 13C6 + 4He2 + 23.847 MeV [17.574 MeV] (A_C:71)
13C6 + 2 D* --> 15N7 + 2H1 + 16.159 MeV [9.887 MeV] (A_C:72)
13C6 + 2 D* --> 17O8 + 30.205 MeV [23.933 MeV] (A_C:73)

13C6 + 3 D* --> 10B5 + 9Be4 + 19.134 MeV [8.773 MeV] (A_C:74)
13C6 + 3 D* --> 12C6 + 7Li3 + 27.624 MeV [17.263 MeV] (A_C:75)
13C6 + 3 D* --> 13C6 + 6Li3 + 25.320 MeV [14.959 MeV] (A_C:76)
13C6 + 3 D* --> 15N7 + 4He2 + 40.006 MeV [29.645 MeV] (A_C:77)
13C6 + 3 D* --> 17O8 + 2H1 + 30.205 MeV [19.844 MeV] (A_C:78)
13C6 + 3 D* --> 18O8 + 1H1 + 36.025 MeV [25.663 MeV] (A_C:79)
13C6 + 3 D* --> 19F9 + 44.020 MeV [33.658 MeV] (A_C:80)

13C6 + 4 D* --> 11B5 + 10B5 + 34.949 MeV [19.917 MeV] (A_C:81)
13C6 + 4 D* --> 12C6 + 9Be4 + 44.320 MeV [29.288 MeV] (A_C:82)
13C6 + 4 D* --> 14N7 + 7Li3 + 37.896 MeV [22.864 MeV] (A_C:83)
13C6 + 4 D* --> 15N7 + 6Li3 + 41.480 MeV [26.448 MeV] (A_C:84)
13C6 + 4 D* --> 17O8 + 4He2 + 54.052 MeV [39.020 MeV] (A_C:85)
13C6 + 4 D* --> 18O8 + 3He2 + 41.518 MeV [26.486 MeV] (A_C:86)
13C6 + 4 D* --> 19F9 + 2H1 + 44.020 MeV [28.988 MeV] (A_C:87)
13C6 + 4 D* --> 21Ne10 + 61.400 MeV [46.368 MeV] (A_C:88)

13C6 + 5 D* --> 12C6 + 11B5 + 60.136 MeV [39.882 MeV] (A_C:89)
13C6 + 5 D* --> 13C6 + 10B5 + 53.628 MeV [33.374 MeV] (A_C:90)
13C6 + 5 D* --> 14N7 + 9Be4 + 54.593 MeV [34.338 MeV] (A_C:91)
13C6 + 5 D* --> 16O8 + 7Li3 + 58.632 MeV [38.378 MeV] (A_C:92)
13C6 + 5 D* --> 17O8 + 6Li3 + 55.526 MeV [35.272 MeV] (A_C:93)
13C6 + 5 D* --> 19F9 + 4He2 + 67.866 MeV [47.612 MeV] (A_C:94)
13C6 + 5 D* --> 21Ne10 + 2H1 + 61.400 MeV [41.146 MeV] (A_C:95)
13C6 + 5 D* --> 22Ne10 + 1H1 + 69.539 MeV [49.285 MeV] (A_C:96)
13C6 + 5 D* --> 23Na11 + 78.333 MeV [58.079 MeV] (A_C:97)

13C6 + 6 D* --> 13C6 + 12C6 + 78.814 MeV [52.812 MeV] (A_C:98)
13C6 + 6 D* --> 14N7 + 11B5 + 70.408 MeV [44.405 MeV] (A_C:99)
13C6 + 6 D* --> 15N7 + 10B5 + 69.787 MeV [43.785 MeV] (A_C:100)
13C6 + 6 D* --> 16O8 + 9Be4 + 75.329 MeV [49.326 MeV] (A_C:101)
13C6 + 6 D* --> 19F9 + 6Li3 + 69.340 MeV [43.337 MeV] (A_C:102)
13C6 + 6 D* --> 21Ne10 + 4He2 + 85.246 MeV [59.244 MeV] (A_C:103)
13C6 + 6 D* --> 22Ne10 + 3He2 + 75.033 MeV [49.030 MeV] (A_C:104)
13C6 + 6 D* --> 23Na11 + 2H1 + 78.333 MeV [52.331 MeV] (A_C:105)
13C6 + 6 D* --> 25Mg12 + 95.132 MeV [69.130 MeV] (A_C:106)

13C6 + 7 D* --> 14N7 + 13C6 + 89.087 MeV [56.831 MeV] (A_C:107)
13C6 + 7 D* --> 15N7 + 12C6 + 94.974 MeV [62.718 MeV] (A_C:108)
13C6 + 7 D* --> 16O8 + 11B5 + 91.144 MeV [58.888 MeV] (A_C:109)
13C6 + 7 D* --> 17O8 + 10B5 + 83.833 MeV [51.577 MeV] (A_C:110)
13C6 + 7 D* --> 20Ne10 + 7Li3 + 87.209 MeV [54.953 MeV] (A_C:111)
13C6 + 7 D* --> 21Ne10 + 6Li3 + 86.720 MeV [54.464 MeV] (A_C:112)
13C6 + 7 D* --> 23Na11 + 4He2 + 102.180 MeV [69.924 MeV] (A_C:113)
13C6 + 7 D* --> 25Mg12 + 2H1 + 95.132 MeV [62.876 MeV] (A_C:114)
13C6 + 7 D* --> 26Mg12 + 1H1 + 104.001 MeV [71.745 MeV] (A_C:115)
13C6 + 7 D* --> 27Al13 + 112.272 MeV [80.016 MeV] (A_C:116)

13C6 + 8 D* --> 15N7 + 14N7 + 105.246 MeV [66.250 MeV] (A_C:117)
13C6 + 8 D* --> 16O8 + 13C6 + 109.823 MeV [70.827 MeV] (A_C:118)
13C6 + 8 D* --> 17O8 + 12C6 + 109.020 MeV [70.024 MeV] (A_C:119)
13C6 + 8 D* --> 19F9 + 10B5 + 97.647 MeV [58.651 MeV] (A_C:120)
13C6 + 8 D* --> 20Ne10 + 9Be4 + 103.905 MeV [64.909 MeV] (A_C:121)
13C6 + 8 D* --> 23Na11 + 6Li3 + 103.654 MeV [64.658 MeV] (A_C:122)
13C6 + 8 D* --> 25Mg12 + 4He2 + 118.979 MeV [79.983 MeV] (A_C:123)
13C6 + 8 D* --> 26Mg12 + 3He2 + 109.494 MeV [70.498 MeV] (A_C:124)
13C6 + 8 D* --> 27Al13 + 2H1 + 112.272 MeV [73.276 MeV] (A_C:125)
13C6 + 8 D* --> 29Si14 + 130.106 MeV [91.110 MeV] (A_C:126)

13C6 + 9 D* --> 16O8 + 15N7 + 125.982 MeV [79.776 MeV] (A_C:127)
13C6 + 9 D* --> 17O8 + 14N7 + 119.292 MeV [73.085 MeV] (A_C:128)

13C6 + 9 D* --> 19F9 + 12C6 + 122.834 MeV [76.627 MeV] (A_C:129)
13C6 + 9 D* --> 20Ne10 + 11B5 + 119.721 MeV [73.514 MeV] (A_C:130)
13C6 + 9 D* --> 21Ne10 + 10B5 + 115.028 MeV [68.821 MeV] (A_C:131)
13C6 + 9 D* --> 24Mg12 + 7Li3 + 120.372 MeV [74.166 MeV] (A_C:132)
13C6 + 9 D* --> 25Mg12 + 6Li3 + 120.453 MeV [74.246 MeV] (A_C:133)
13C6 + 9 D* --> 27Al13 + 4He2 + 136.118 MeV [89.912 MeV] (A_C:134)
13C6 + 9 D* --> 29Si14 + 2H1 + 130.106 MeV [83.899 MeV] (A_C:135)
13C6 + 9 D* --> 30Si14 + 1H1 + 138.490 MeV [92.284 MeV] (A_C:136)
13C6 + 9 D* --> 31P15 + 145.787 MeV [99.581 MeV] (A_C:137)

13C6 + 10 D* --> 17O8 + 16O8 + 140.028 MeV [86.155 MeV] (A_C:138)
13C6 + 10 D* --> 19F9 + 14N7 + 133.106 MeV [79.233 MeV] (A_C:139)
13C6 + 10 D* --> 20Ne10 + 13C6 + 138.399 MeV [84.526 MeV] (A_C:140)
13C6 + 10 D* --> 21Ne10 + 12C6 + 140.214 MeV [86.341 MeV] (A_C:141)
13C6 + 10 D* --> 23Na11 + 10B5 + 131.961 MeV [78.088 MeV] (A_C:142)
13C6 + 10 D* --> 24Mg12 + 9Be4 + 137.068 MeV [83.195 MeV] (A_C:143)
13C6 + 10 D* --> 27Al13 + 6Li3 + 137.592 MeV [83.719 MeV] (A_C:144)
13C6 + 10 D* --> 29Si14 + 4He2 + 153.952 MeV [100.079 MeV] (A_C:145)
13C6 + 10 D* --> 30Si14 + 3He2 + 143.984 MeV [90.111 MeV] (A_C:146)
13C6 + 10 D* --> 31P15 + 2H1 + 145.787 MeV [91.914 MeV] (A_C:147)
13C6 + 10 D* --> 33S16 + 161.068 MeV [107.195 MeV] (A_C:148)

13C6 + 11 D* --> 19F9 + 16O8 + 153.842 MeV [91.859 MeV] (A_C:149)
13C6 + 11 D* --> 20Ne10 + 15N7 + 154.558 MeV [92.575 MeV] (A_C:150)
13C6 + 11 D* --> 21Ne10 + 14N7 + 150.486 MeV [88.503 MeV] (A_C:151)
13C6 + 11 D* --> 23Na11 + 12C6 + 157.148 MeV [95.164 MeV] (A_C:152)
13C6 + 11 D* --> 24Mg12 + 11B5 + 152.884 MeV [90.900 MeV] (A_C:153)
13C6 + 11 D* --> 25Mg12 + 10B5 + 148.760 MeV [86.777 MeV] (A_C:154)
13C6 + 11 D* --> 28Si14 + 7Li3 + 154.203 MeV [92.219 MeV] (A_C:155)
13C6 + 11 D* --> 29Si14 + 6Li3 + 155.426 MeV [93.443 MeV] (A_C:156)
13C6 + 11 D* --> 31P15 + 4He2 + 169.634 MeV [107.650 MeV] (A_C:157)
13C6 + 11 D* --> 33S16 + 2H1 + 161.068 MeV [99.085 MeV] (A_C:158)
13C6 + 11 D* --> 34S16 + 1H1 + 170.261 MeV [108.277 MeV] (A_C:159)
13C6 + 11 D* --> 35Cl17 + 176.631 MeV [114.648 MeV] (A_C:160)

13C6 + 12 D* --> 20Ne10 + 17O8 + 168.604 MeV [98.079 MeV] (A_C:161)
13C6 + 12 D* --> 21Ne10 + 16O8 + 171.222 MeV [100.697 MeV] (A_C:162)
13C6 + 12 D* --> 23Na11 + 14N7 + 167.420 MeV [96.894 MeV] (A_C:163)
13C6 + 12 D* --> 24Mg12 + 13C6 + 171.562 MeV [101.036 MeV] (A_C:164)
13C6 + 12 D* --> 25Mg12 + 12C6 + 173.947 MeV [103.421 MeV] (A_C:165)
13C6 + 12 D* --> 27Al13 + 10B5 + 165.900 MeV [95.374 MeV] (A_C:166)
13C6 + 12 D* --> 28Si14 + 9Be4 + 170.899 MeV [100.373 MeV] (A_C:167)
13C6 + 12 D* --> 31P15 + 6Li3 + 171.108 MeV [100.582 MeV] (A_C:168)
13C6 + 12 D* --> 33S16 + 4He2 + 184.915 MeV [114.389 MeV] (A_C:169)
13C6 + 12 D* --> 34S16 + 3He2 + 175.754 MeV [105.228 MeV] (A_C:170)
13C6 + 12 D* --> 35Cl17 + 2H1 + 176.631 MeV [106.106 MeV] (A_C:171)

---------- Equations follow for Nitrogen, N, element 7 ----------

14N7 + D* --> 12C6 + 4He2 + 13.574 MeV [10.374 MeV] (A_N:1)
14N7 + D* --> 15N7 + 1H1 + 8.609 MeV [5.409 MeV] (A_N:2)
14N7 + D* --> 16O8 + 20.736 MeV [17.536 MeV] (A_N:3)

14N7 + 2 D* --> 12C6 + 6Li3 + 15.048 MeV [8.015 MeV] (A_N:4)

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14N7 + 2 D* --> 14N7 + 4He2 + 23.847 MeV [16.813 MeV] (A_N:5)
14N7 + 2 D* --> 15N7 + 3He2 + 14.102 MeV [7.069 MeV] (A_N:6)
14N7 + 2 D* --> 16O8 + 2H1 + 20.736 MeV [13.703 MeV] (A_N:7)
14N7 + 2 D* --> 17O8 + 1H1 + 22.655 MeV [15.622 MeV] (A_N:8)

14N7 + 3 D* --> 10B5 + 10B5 + 18.169 MeV [6.710 MeV] (A_N:9)
14N7 + 3 D* --> 14N7 + 6Li3 + 25.320 MeV [13.862 MeV] (A_N:10)
14N7 + 3 D* --> 16O8 + 4He2 + 44.583 MeV [33.124 MeV] (A_N:11)
14N7 + 3 D* --> 17O8 + 3He2 + 28.148 MeV [16.689 MeV] (A_N:12)
14N7 + 3 D* --> 19F9 + 1H1 + 36.469 MeV [25.010 MeV] (A_N:13)
14N7 + 3 D* --> 20Ne10 + 49.313 MeV [37.854 MeV] (A_N:14)

14N7 + 4 D* --> 12C6 + 10B5 + 43.356 MeV [26.910 MeV] (A_N:15)
14N7 + 4 D* --> 16O8 + 6Li3 + 46.057 MeV [29.611 MeV] (A_N:16)
14N7 + 4 D* --> 19F9 + 3He2 + 41.962 MeV [25.517 MeV] (A_N:17)
14N7 + 4 D* --> 20Ne10 + 2H1 + 49.313 MeV [32.867 MeV] (A_N:18)
14N7 + 4 D* --> 21Ne10 + 1H1 + 53.849 MeV [37.404 MeV] (A_N:19)

14N7 + 5 D* --> 12C6 + 12C6 + 68.542 MeV [46.576 MeV] (A_N:20)
14N7 + 5 D* --> 14N7 + 10B5 + 53.628 MeV [31.662 MeV] (A_N:21)
14N7 + 5 D* --> 20Ne10 + 4He2 + 73.159 MeV [51.193 MeV] (A_N:22)
14N7 + 5 D* --> 21Ne10 + 3He2 + 59.343 MeV [37.377 MeV] (A_N:23)
14N7 + 5 D* --> 23Na11 + 1H1 + 70.783 MeV [48.817 MeV] (A_N:24)
14N7 + 5 D* --> 24Mg12 + 82.476 MeV [60.510 MeV] (A_N:25)

14N7 + 6 D* --> 14N7 + 12C6 + 78.814 MeV [50.816 MeV] (A_N:26)
14N7 + 6 D* --> 16O8 + 10B5 + 74.364 MeV [46.366 MeV] (A_N:27)
14N7 + 6 D* --> 20Ne10 + 6Li3 + 74.633 MeV [46.635 MeV] (A_N:28)
14N7 + 6 D* --> 23Na11 + 3He2 + 76.276 MeV [48.278 MeV] (A_N:29)
14N7 + 6 D* --> 24Mg12 + 2H1 + 82.476 MeV [54.478 MeV] (A_N:30)
14N7 + 6 D* --> 25Mg12 + 1H1 + 87.582 MeV [59.584 MeV] (A_N:31)

14N7 + 7 D* --> 14N7 + 14N7 + 89.087 MeV [54.564 MeV] (A_N:32)
14N7 + 7 D* --> 16O8 + 12C6 + 99.550 MeV [65.028 MeV] (A_N:33)
14N7 + 7 D* --> 24Mg12 + 4He2 + 106.322 MeV [71.799 MeV] (A_N:34)
14N7 + 7 D* --> 25Mg12 + 3He2 + 93.075 MeV [58.552 MeV] (A_N:35)
14N7 + 7 D* --> 27Al13 + 1H1 + 104.721 MeV [70.198 MeV] (A_N:36)
14N7 + 7 D* --> 28Si14 + 116.306 MeV [81.783 MeV] (A_N:37)

14N7 + 8 D* --> 16O8 + 14N7 + 109.823 MeV [68.299 MeV] (A_N:38)
14N7 + 8 D* --> 20Ne10 + 10B5 + 102.940 MeV [61.417 MeV] (A_N:39)
14N7 + 8 D* --> 24Mg12 + 6Li3 + 107.796 MeV [66.272 MeV] (A_N:40)
14N7 + 8 D* --> 27Al13 + 3He2 + 110.215 MeV [68.691 MeV] (A_N:41)
14N7 + 8 D* --> 28Si14 + 2H1 + 116.306 MeV [74.782 MeV] (A_N:42)
14N7 + 8 D* --> 29Si14 + 1H1 + 122.555 MeV [81.032 MeV] (A_N:43)

14N7 + 9 D* --> 16O8 + 16O8 + 130.559 MeV [81.573 MeV] (A_N:44)
14N7 + 9 D* --> 20Ne10 + 12C6 + 128.127 MeV [79.141 MeV] (A_N:45)
14N7 + 9 D* --> 28Si14 + 4He2 + 140.153 MeV [91.167 MeV] (A_N:46)
14N7 + 9 D* --> 29Si14 + 3He2 + 128.049 MeV [79.063 MeV] (A_N:47)
14N7 + 9 D* --> 31P15 + 1H1 + 138.237 MeV [89.251 MeV] (A_N:48)
14N7 + 9 D* --> 32S16 + 147.101 MeV [98.115 MeV] (A_N:49)

14N7 + 10 D* --> 20Ne10 + 14N7 + 138.399 MeV [81.503 MeV] (A_N:50)

14N7 + 10 D* --> 24Mg12 + 10B5 + 136.103 MeV [79.208 MeV] (A_N:51)
14N7 + 10 D* --> 28Si14 + 6Li3 + 141.627 MeV [84.731 MeV] (A_N:52)
14N7 + 10 D* --> 31P15 + 3He2 + 143.730 MeV [86.835 MeV] (A_N:53)
14N7 + 10 D* --> 32S16 + 2H1 + 147.101 MeV [90.205 MeV] (A_N:54)
14N7 + 10 D* --> 33S16 + 1H1 + 153.518 MeV [96.622 MeV] (A_N:55)

14N7 + 11 D* --> 20Ne10 + 16O8 + 159.135 MeV [93.893 MeV] (A_N:56)
14N7 + 11 D* --> 24Mg12 + 12C6 + 161.290 MeV [96.048 MeV] (A_N:57)
14N7 + 11 D* --> 32S16 + 4He2 + 170.947 MeV [105.705 MeV] (A_N:58)
14N7 + 11 D* --> 33S16 + 3He2 + 159.011 MeV [93.769 MeV] (A_N:59)
14N7 + 11 D* --> 35Cl17 + 1H1 + 169.081 MeV [103.839 MeV] (A_N:60)
14N7 + 11 D* --> 36Ar18 + 177.588 MeV [112.346 MeV] (A_N:61)

14N7 + 12 D* --> 24Mg12 + 14N7 + 171.562 MeV [97.549 MeV] (A_N:62)
14N7 + 12 D* --> 28Si14 + 10B5 + 169.934 MeV [95.921 MeV] (A_N:63)
14N7 + 12 D* --> 32S16 + 6Li3 + 172.421 MeV [98.407 MeV] (A_N:64)
14N7 + 12 D* --> 35Cl17 + 3He2 + 174.574 MeV [100.561 MeV] (A_N:65)
14N7 + 12 D* --> 36Ar18 + 2H1 + 177.588 MeV [103.574 MeV] (A_N:66)

15N7 + D* --> 13C6 + 4He2 + 7.687 MeV [4.551 MeV] (A_N:67)
15N7 + D* --> 17O8 + 14.046 MeV [10.910 MeV] (A_N:68)

15N7 + 2 D* --> 10B5 + 9Be4 + 2.975 MeV [-3.933 MeV] (A_N:69)
15N7 + 2 D* --> 12C6 + 7Li3 + 11.465 MeV [4.557 MeV] (A_N:70)
15N7 + 2 D* --> 13C6 + 6Li3 + 9.161 MeV [2.254 MeV] (A_N:71)
15N7 + 2 D* --> 15N7 + 4He2 + 23.847 MeV [16.939 MeV] (A_N:72)
15N7 + 2 D* --> 17O8 + 2H1 + 14.046 MeV [7.138 MeV] (A_N:73)
15N7 + 2 D* --> 18O8 + 1H1 + 19.865 MeV [12.958 MeV] (A_N:74)
15N7 + 2 D* --> 19F9 + 27.860 MeV [20.953 MeV] (A_N:75)

15N7 + 3 D* --> 11B5 + 10B5 + 18.790 MeV [7.516 MeV] (A_N:76)
15N7 + 3 D* --> 12C6 + 9Be4 + 28.161 MeV [16.887 MeV] (A_N:77)
15N7 + 3 D* --> 14N7 + 7Li3 + 21.737 MeV [10.463 MeV] (A_N:78)
15N7 + 3 D* --> 15N7 + 6Li3 + 25.320 MeV [14.046 MeV] (A_N:79)
15N7 + 3 D* --> 17O8 + 4He2 + 37.893 MeV [26.619 MeV] (A_N:80)
15N7 + 3 D* --> 18O8 + 3He2 + 25.359 MeV [14.085 MeV] (A_N:81)
15N7 + 3 D* --> 19F9 + 2H1 + 27.860 MeV [16.586 MeV] (A_N:82)
15N7 + 3 D* --> 21Ne10 + 45.240 MeV [33.966 MeV] (A_N:83)

15N7 + 4 D* --> 12C6 + 11B5 + 43.976 MeV [27.773 MeV] (A_N:84)
15N7 + 4 D* --> 13C6 + 10B5 + 37.469 MeV [21.265 MeV] (A_N:85)
15N7 + 4 D* --> 14N7 + 9Be4 + 38.433 MeV [22.230 MeV] (A_N:86)
15N7 + 4 D* --> 16O8 + 7Li3 + 42.473 MeV [26.270 MeV] (A_N:87)
15N7 + 4 D* --> 17O8 + 6Li3 + 39.366 MeV [23.163 MeV] (A_N:88)
15N7 + 4 D* --> 19F9 + 4He2 + 51.707 MeV [35.504 MeV] (A_N:89)
15N7 + 4 D* --> 21Ne10 + 2H1 + 45.240 MeV [29.037 MeV] (A_N:90)
15N7 + 4 D* --> 22Ne10 + 1H1 + 53.380 MeV [37.177 MeV] (A_N:91)
15N7 + 4 D* --> 23Na11 + 62.174 MeV [45.971 MeV] (A_N:92)

15N7 + 5 D* --> 13C6 + 12C6 + 62.655 MeV [40.986 MeV] (A_N:93)
15N7 + 5 D* --> 14N7 + 11B5 + 54.249 MeV [32.580 MeV] (A_N:94)
15N7 + 5 D* --> 15N7 + 10B5 + 53.628 MeV [31.959 MeV] (A_N:95)
15N7 + 5 D* --> 16O8 + 9Be4 + 59.169 MeV [37.501 MeV] (A_N:96)
15N7 + 5 D* --> 19F9 + 6Li3 + 53.181 MeV [31.512 MeV] (A_N:97)

15N7 + 5 D* --> 21Ne10 + 4He2 + 69.087 MeV [47.418 MeV] (A_N:98)
15N7 + 5 D* --> 22Ne10 + 3He2 + 58.874 MeV [37.205 MeV] (A_N:99)
15N7 + 5 D* --> 23Na11 + 2H1 + 62.174 MeV [40.505 MeV] (A_N:100)
15N7 + 5 D* --> 25Mg12 + 78.973 MeV [57.304 MeV] (A_N:101)

15N7 + 6 D* --> 14N7 + 13C6 + 72.927 MeV [45.279 MeV] (A_N:102)
15N7 + 6 D* --> 15N7 + 12C6 + 78.814 MeV [51.166 MeV] (A_N:103)
15N7 + 6 D* --> 16O8 + 11B5 + 74.985 MeV [47.337 MeV] (A_N:104)
15N7 + 6 D* --> 17O8 + 10B5 + 67.674 MeV [40.026 MeV] (A_N:105)
15N7 + 6 D* --> 20Ne10 + 7Li3 + 71.050 MeV [43.402 MeV] (A_N:106)
15N7 + 6 D* --> 21Ne10 + 6Li3 + 70.561 MeV [42.913 MeV] (A_N:107)
15N7 + 6 D* --> 23Na11 + 4He2 + 86.021 MeV [58.373 MeV] (A_N:108)
15N7 + 6 D* --> 25Mg12 + 2H1 + 78.973 MeV [51.325 MeV] (A_N:109)
15N7 + 6 D* --> 26Mg12 + 1H1 + 87.841 MeV [60.193 MeV] (A_N:110)
15N7 + 6 D* --> 27Al13 + 96.112 MeV [68.464 MeV] (A_N:111)

15N7 + 7 D* --> 15N7 + 14N7 + 89.087 MeV [54.965 MeV] (A_N:112)
15N7 + 7 D* --> 16O8 + 13C6 + 93.663 MeV [59.542 MeV] (A_N:113)
15N7 + 7 D* --> 17O8 + 12C6 + 92.860 MeV [58.739 MeV] (A_N:114)
15N7 + 7 D* --> 19F9 + 10B5 + 81.488 MeV [47.367 MeV] (A_N:115)
15N7 + 7 D* --> 20Ne10 + 9Be4 + 87.746 MeV [53.624 MeV] (A_N:116)
15N7 + 7 D* --> 23Na11 + 6Li3 + 87.495 MeV [53.373 MeV] (A_N:117)
15N7 + 7 D* --> 25Mg12 + 4He2 + 102.819 MeV [68.698 MeV] (A_N:118)
15N7 + 7 D* --> 26Mg12 + 3He2 + 93.335 MeV [59.213 MeV] (A_N:119)
15N7 + 7 D* --> 27Al13 + 2H1 + 96.112 MeV [61.991 MeV] (A_N:120)
15N7 + 7 D* --> 29Si14 + 113.947 MeV [79.825 MeV] (A_N:121)

15N7 + 8 D* --> 16O8 + 15N7 + 109.823 MeV [68.750 MeV] (A_N:122)
15N7 + 8 D* --> 17O8 + 14N7 + 103.133 MeV [62.060 MeV] (A_N:123)
15N7 + 8 D* --> 19F9 + 12C6 + 106.675 MeV [65.602 MeV] (A_N:124)
15N7 + 8 D* --> 20Ne10 + 11B5 + 103.561 MeV [62.489 MeV] (A_N:125)
15N7 + 8 D* --> 21Ne10 + 10B5 + 98.868 MeV [57.796 MeV] (A_N:126)
15N7 + 8 D* --> 24Mg12 + 7Li3 + 104.213 MeV [63.140 MeV] (A_N:127)
15N7 + 8 D* --> 25Mg12 + 6Li3 + 104.293 MeV [63.221 MeV] (A_N:128)
15N7 + 8 D* --> 27Al13 + 4He2 + 119.959 MeV [78.887 MeV] (A_N:129)
15N7 + 8 D* --> 29Si14 + 2H1 + 113.947 MeV [72.874 MeV] (A_N:130)
15N7 + 8 D* --> 30Si14 + 1H1 + 122.331 MeV [81.259 MeV] (A_N:131)
15N7 + 8 D* --> 31P15 + 129.628 MeV [88.556 MeV] (A_N:132)

15N7 + 9 D* --> 17O8 + 16O8 + 123.869 MeV [75.383 MeV] (A_N:133)
15N7 + 9 D* --> 19F9 + 14N7 + 116.947 MeV [68.461 MeV] (A_N:134)
15N7 + 9 D* --> 20Ne10 + 13C6 + 122.240 MeV [73.754 MeV] (A_N:135)
15N7 + 9 D* --> 21Ne10 + 12C6 + 124.055 MeV [75.569 MeV] (A_N:136)
15N7 + 9 D* --> 23Na11 + 10B5 + 115.802 MeV [67.316 MeV] (A_N:137)
15N7 + 9 D* --> 24Mg12 + 9Be4 + 120.909 MeV [72.423 MeV] (A_N:138)
15N7 + 9 D* --> 27Al13 + 6Li3 + 121.433 MeV [72.947 MeV] (A_N:139)
15N7 + 9 D* --> 29Si14 + 4He2 + 137.793 MeV [89.307 MeV] (A_N:140)
15N7 + 9 D* --> 30Si14 + 3He2 + 127.825 MeV [79.339 MeV] (A_N:141)
15N7 + 9 D* --> 31P15 + 2H1 + 129.628 MeV [81.142 MeV] (A_N:142)
15N7 + 9 D* --> 33S16 + 144.909 MeV [96.423 MeV] (A_N:143)

15N7 + 10 D* --> 19F9 + 16O8 + 137.683 MeV [81.334 MeV] (A_N:144)
15N7 + 10 D* --> 20Ne10 + 15N7 + 138.399 MeV [82.051 MeV] (A_N:145)
15N7 + 10 D* --> 21Ne10 + 14N7 + 134.327 MeV [77.978 MeV] (A_N:146)

15N7 + 10 D* --> 23Na11 + 12C6 + 140.989 MeV [84.640 MeV] (A_N:147)
15N7 + 10 D* --> 24Mg12 + 11B5 + 136.724 MeV [80.376 MeV] (A_N:148)
15N7 + 10 D* --> 25Mg12 + 10B5 + 132.601 MeV [76.252 MeV] (A_N:149)
15N7 + 10 D* --> 28Si14 + 7Li3 + 138.043 MeV [81.695 MeV] (A_N:150)
15N7 + 10 D* --> 29Si14 + 6Li3 + 139.267 MeV [82.918 MeV] (A_N:151)
15N7 + 10 D* --> 31P15 + 4He2 + 153.475 MeV [97.126 MeV] (A_N:152)
15N7 + 10 D* --> 33S16 + 2H1 + 144.909 MeV [88.560 MeV] (A_N:153)
15N7 + 10 D* --> 34S16 + 1H1 + 154.101 MeV [97.753 MeV] (A_N:154)
15N7 + 10 D* --> 35Cl17 + 160.472 MeV [104.124 MeV] (A_N:155)

15N7 + 11 D* --> 20Ne10 + 17O8 + 152.445 MeV [87.796 MeV] (A_N:156)
15N7 + 11 D* --> 21Ne10 + 16O8 + 155.063 MeV [90.414 MeV] (A_N:157)
15N7 + 11 D* --> 23Na11 + 14N7 + 151.261 MeV [86.612 MeV] (A_N:158)
15N7 + 11 D* --> 24Mg12 + 13C6 + 155.403 MeV [90.754 MeV] (A_N:159)
15N7 + 11 D* --> 25Mg12 + 12C6 + 157.787 MeV [93.138 MeV] (A_N:160)
15N7 + 11 D* --> 27Al13 + 10B5 + 149.740 MeV [85.092 MeV] (A_N:161)
15N7 + 11 D* --> 28Si14 + 9Be4 + 154.740 MeV [90.091 MeV] (A_N:162)
15N7 + 11 D* --> 31P15 + 6Li3 + 154.948 MeV [90.300 MeV] (A_N:163)
15N7 + 11 D* --> 33S16 + 4He2 + 168.755 MeV [104.107 MeV] (A_N:164)
15N7 + 11 D* --> 34S16 + 3He2 + 159.595 MeV [94.946 MeV] (A_N:165)
15N7 + 11 D* --> 35Cl17 + 2H1 + 160.472 MeV [95.823 MeV] (A_N:166)

15N7 + 12 D* --> 20Ne10 + 19F9 + 166.259 MeV [92.884 MeV] (A_N:167)
15N7 + 12 D* --> 23Na11 + 16O8 + 171.997 MeV [98.621 MeV] (A_N:168)
15N7 + 12 D* --> 24Mg12 + 15N7 + 171.562 MeV [98.187 MeV] (A_N:169)
15N7 + 12 D* --> 25Mg12 + 14N7 + 168.060 MeV [94.684 MeV] (A_N:170)
15N7 + 12 D* --> 27Al13 + 12C6 + 174.927 MeV [101.551 MeV] (A_N:171)
15N7 + 12 D* --> 28Si14 + 11B5 + 170.555 MeV [97.179 MeV] (A_N:172)
15N7 + 12 D* --> 29Si14 + 10B5 + 167.574 MeV [94.199 MeV] (A_N:173)
15N7 + 12 D* --> 32S16 + 7Li3 + 168.838 MeV [95.462 MeV] (A_N:174)
15N7 + 12 D* --> 33S16 + 6Li3 + 170.229 MeV [96.854 MeV] (A_N:175)
15N7 + 12 D* --> 35Cl17 + 4He2 + 184.319 MeV [110.943 MeV] (A_N:176)
15N7 + 12 D* --> 38Ar18 + 1H1 + 185.156 MeV [111.780 MeV] (A_N:177)
15N7 + 12 D* --> 39K19 + 191.537 MeV [118.162 MeV] (A_N:178)

---------- Equations follow for Oxygen, O, element 8 ----------

16O8 + D* --> 14N7 + 4He2 + 3.110 MeV [-0.406 MeV] (A_O:1)
16O8 + D* --> 17O8 + 1H1 + 1.919 MeV [-1.598 MeV] (A_O:2)

16O8 + 2 D* --> 14N7 + 6Li3 + 4.584 MeV [-3.055 MeV] (A_O:3)
16O8 + 2 D* --> 16O8 + 4He2 + 23.847 MeV [16.207 MeV] (A_O:4)
16O8 + 2 D* --> 17O8 + 3He2 + 7.412 MeV [-0.227 MeV] (A_O:5)
16O8 + 2 D* --> 19F9 + 1H1 + 15.733 MeV [8.094 MeV] (A_O:6)
16O8 + 2 D* --> 20Ne10 + 28.576 MeV [20.937 MeV] (A_O:7)

16O8 + 3 D* --> 12C6 + 10B5 + 22.619 MeV [10.286 MeV] (A_O:8)
16O8 + 3 D* --> 16O8 + 6Li3 + 25.320 MeV [12.986 MeV] (A_O:9)
16O8 + 3 D* --> 19F9 + 3He2 + 21.226 MeV [8.892 MeV] (A_O:10)
16O8 + 3 D* --> 20Ne10 + 2H1 + 28.576 MeV [16.242 MeV] (A_O:11)
16O8 + 3 D* --> 21Ne10 + 1H1 + 33.113 MeV [20.779 MeV] (A_O:12)

16O8 + 4 D* --> 12C6 + 12C6 + 47.806 MeV [30.233 MeV] (A_O:13)
16O8 + 4 D* --> 14N7 + 10B5 + 32.892 MeV [15.319 MeV] (A_O:14)

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16O8 + 4 D* --> 20Ne10 + 4He2 + 52.423 MeV [34.850 MeV] (A_O:15)
16O8 + 4 D* --> 21Ne10 + 3He2 + 38.606 MeV [21.034 MeV] (A_O:16)
16O8 + 4 D* --> 23Na11 + 1H1 + 50.047 MeV [32.474 MeV] (A_O:17)
16O8 + 4 D* --> 24Mg12 + 61.739 MeV [44.167 MeV] (A_O:18)

16O8 + 5 D* --> 14N7 + 12C6 + 58.078 MeV [34.747 MeV] (A_O:19)
16O8 + 5 D* --> 16O8 + 10B5 + 53.628 MeV [30.296 MeV] (A_O:20)
16O8 + 5 D* --> 20Ne10 + 6Li3 + 53.897 MeV [30.565 MeV] (A_O:21)
16O8 + 5 D* --> 23Na11 + 3He2 + 55.540 MeV [32.209 MeV] (A_O:22)
16O8 + 5 D* --> 24Mg12 + 2H1 + 61.739 MeV [38.408 MeV] (A_O:23)
16O8 + 5 D* --> 25Mg12 + 1H1 + 66.845 MeV [43.514 MeV] (A_O:24)

16O8 + 6 D* --> 14N7 + 14N7 + 68.350 MeV [38.759 MeV] (A_O:25)
16O8 + 6 D* --> 16O8 + 12C6 + 78.814 MeV [49.223 MeV] (A_O:26)
16O8 + 6 D* --> 24Mg12 + 4He2 + 85.586 MeV [55.995 MeV] (A_O:27)
16O8 + 6 D* --> 25Mg12 + 3He2 + 72.339 MeV [42.748 MeV] (A_O:28)
16O8 + 6 D* --> 27Al13 + 1H1 + 83.985 MeV [54.394 MeV] (A_O:29)
16O8 + 6 D* --> 28Si14 + 95.570 MeV [65.979 MeV] (A_O:30)

16O8 + 7 D* --> 16O8 + 14N7 + 89.087 MeV [52.753 MeV] (A_O:31)
16O8 + 7 D* --> 20Ne10 + 10B5 + 82.204 MeV [45.871 MeV] (A_O:32)
16O8 + 7 D* --> 24Mg12 + 6Li3 + 87.060 MeV [50.727 MeV] (A_O:33)
16O8 + 7 D* --> 27Al13 + 3He2 + 89.478 MeV [53.145 MeV] (A_O:34)
16O8 + 7 D* --> 28Si14 + 2H1 + 95.570 MeV [59.237 MeV] (A_O:35)
16O8 + 7 D* --> 29Si14 + 1H1 + 101.819 MeV [65.486 MeV] (A_O:36)

16O8 + 8 D* --> 16O8 + 16O8 + 109.823 MeV [66.280 MeV] (A_O:37)
16O8 + 8 D* --> 20Ne10 + 12C6 + 107.391 MeV [63.848 MeV] (A_O:38)
16O8 + 8 D* --> 28Si14 + 4He2 + 119.417 MeV [75.874 MeV] (A_O:39)
16O8 + 8 D* --> 29Si14 + 3He2 + 107.313 MeV [63.770 MeV] (A_O:40)
16O8 + 8 D* --> 31P15 + 1H1 + 117.501 MeV [73.958 MeV] (A_O:41)
16O8 + 8 D* --> 32S16 + 126.364 MeV [82.822 MeV] (A_O:42)

16O8 + 9 D* --> 20Ne10 + 14N7 + 117.663 MeV [66.457 MeV] (A_O:43)
16O8 + 9 D* --> 24Mg12 + 10B5 + 115.367 MeV [64.161 MeV] (A_O:44)
16O8 + 9 D* --> 28Si14 + 6Li3 + 120.891 MeV [69.684 MeV] (A_O:45)
16O8 + 9 D* --> 31P15 + 3He2 + 122.994 MeV [71.788 MeV] (A_O:46)
16O8 + 9 D* --> 32S16 + 2H1 + 126.364 MeV [75.158 MeV] (A_O:47)
16O8 + 9 D* --> 33S16 + 1H1 + 132.782 MeV [81.575 MeV] (A_O:48)

16O8 + 10 D* --> 20Ne10 + 16O8 + 138.399 MeV [79.088 MeV] (A_O:49)
16O8 + 10 D* --> 24Mg12 + 12C6 + 140.554 MeV [81.243 MeV] (A_O:50)
16O8 + 10 D* --> 32S16 + 4He2 + 150.211 MeV [90.900 MeV] (A_O:51)
16O8 + 10 D* --> 33S16 + 3He2 + 138.275 MeV [78.964 MeV] (A_O:52)
16O8 + 10 D* --> 35Cl17 + 1H1 + 148.345 MeV [89.034 MeV] (A_O:53)
16O8 + 10 D* --> 36Ar18 + 156.852 MeV [97.541 MeV] (A_O:54)

16O8 + 11 D* --> 24Mg12 + 14N7 + 150.826 MeV [82.980 MeV] (A_O:55)
16O8 + 11 D* --> 28Si14 + 10B5 + 149.198 MeV [81.352 MeV] (A_O:56)
16O8 + 11 D* --> 32S16 + 6Li3 + 151.685 MeV [83.839 MeV] (A_O:57)
16O8 + 11 D* --> 35Cl17 + 3He2 + 153.838 MeV [85.992 MeV] (A_O:58)
16O8 + 11 D* --> 36Ar18 + 2H1 + 156.852 MeV [89.006 MeV] (A_O:59)

16O8 + 12 D* --> 20Ne10 + 20Ne10 + 166.976 MeV [90.174 MeV] (A_O:60)

16O8 + 12 D* --> 24Mg12 + 16O8 + 171.562 MeV [94.761 MeV] (A_O:61)
16O8 + 12 D* --> 28Si14 + 12C6 + 174.384 MeV [97.583 MeV] (A_O:62)
16O8 + 12 D* --> 36Ar18 + 4He2 + 180.698 MeV [103.897 MeV] (A_O:63)
16O8 + 12 D* --> 39K19 + 1H1 + 179.410 MeV [102.609 MeV] (A_O:64)
16O8 + 12 D* --> 40Ca20 + 187.738 MeV [110.937 MeV] (A_O:65)

17O8 + D* --> 15N7 + 4He2 + 9.801 MeV [6.347 MeV] (A_O:66)
17O8 + D* --> 18O8 + 1H1 + 5.819 MeV [2.366 MeV] (A_O:67)
17O8 + D* --> 19F9 + 13.814 MeV [10.361 MeV] (A_O:68)

17O8 + 2 D* --> 11B5 + 10B5 + 4.744 MeV [-2.772 MeV] (A_O:69)
17O8 + 2 D* --> 12C6 + 9Be4 + 14.115 MeV [6.599 MeV] (A_O:70)
17O8 + 2 D* --> 14N7 + 7Li3 + 7.691 MeV [00.175 MeV] (A_O:71)
17O8 + 2 D* --> 15N7 + 6Li3 + 11.274 MeV [3.758 MeV] (A_O:72)
17O8 + 2 D* --> 17O8 + 4He2 + 23.847 MeV [16.331 MeV] (A_O:73)
17O8 + 2 D* --> 18O8 + 3He2 + 11.313 MeV [3.797 MeV] (A_O:74)
17O8 + 2 D* --> 19F9 + 2H1 + 13.814 MeV [6.298 MeV] (A_O:75)
17O8 + 2 D* --> 21Ne10 + 31.194 MeV [23.678 MeV] (A_O:76)

17O8 + 3 D* --> 12C6 + 11B5 + 29.930 MeV [17.778 MeV] (A_O:77)
17O8 + 3 D* --> 13C6 + 10B5 + 23.423 MeV [11.270 MeV] (A_O:78)
17O8 + 3 D* --> 14N7 + 9Be4 + 24.387 MeV [12.235 MeV] (A_O:79)
17O8 + 3 D* --> 16O8 + 7Li3 + 28.427 MeV [16.275 MeV] (A_O:80)
17O8 + 3 D* --> 17O8 + 6Li3 + 25.320 MeV [13.168 MeV] (A_O:81)
17O8 + 3 D* --> 19F9 + 4He2 + 37.661 MeV [25.508 MeV] (A_O:82)
17O8 + 3 D* --> 21Ne10 + 2H1 + 31.194 MeV [19.042 MeV] (A_O:83)
17O8 + 3 D* --> 22Ne10 + 1H1 + 39.334 MeV [27.182 MeV] (A_O:84)
17O8 + 3 D* --> 23Na11 + 48.128 MeV [35.976 MeV] (A_O:85)

17O8 + 4 D* --> 13C6 + 12C6 + 48.609 MeV [31.274 MeV] (A_O:86)
17O8 + 4 D* --> 14N7 + 11B5 + 40.203 MeV [22.868 MeV] (A_O:87)
17O8 + 4 D* --> 15N7 + 10B5 + 39.582 MeV [22.247 MeV] (A_O:88)
17O8 + 4 D* --> 16O8 + 9Be4 + 45.123 MeV [27.788 MeV] (A_O:89)
17O8 + 4 D* --> 19F9 + 6Li3 + 39.135 MeV [21.800 MeV] (A_O:90)
17O8 + 4 D* --> 21Ne10 + 4He2 + 55.041 MeV [37.706 MeV] (A_O:91)
17O8 + 4 D* --> 22Ne10 + 3He2 + 44.828 MeV [27.493 MeV] (A_O:92)
17O8 + 4 D* --> 23Na11 + 2H1 + 48.128 MeV [30.793 MeV] (A_O:93)
17O8 + 4 D* --> 25Mg12 + 64.927 MeV [47.592 MeV] (A_O:94)

17O8 + 5 D* --> 14N7 + 13C6 + 58.881 MeV [35.841 MeV] (A_O:95)
17O8 + 5 D* --> 15N7 + 12C6 + 64.768 MeV [41.728 MeV] (A_O:96)
17O8 + 5 D* --> 16O8 + 11B5 + 60.939 MeV [37.899 MeV] (A_O:97)
17O8 + 5 D* --> 17O8 + 10B5 + 53.628 MeV [30.588 MeV] (A_O:98)
17O8 + 5 D* --> 20Ne10 + 7Li3 + 57.004 MeV [33.964 MeV] (A_O:99)
17O8 + 5 D* --> 21Ne10 + 6Li3 + 56.515 MeV [33.475 MeV] (A_O:100)
17O8 + 5 D* --> 23Na11 + 4He2 + 71.975 MeV [48.935 MeV] (A_O:101)
17O8 + 5 D* --> 25Mg12 + 2H1 + 64.927 MeV [41.887 MeV] (A_O:102)
17O8 + 5 D* --> 26Mg12 + 1H1 + 73.795 MeV [50.755 MeV] (A_O:103)
17O8 + 5 D* --> 27Al13 + 82.066 MeV [59.026 MeV] (A_O:104)

17O8 + 6 D* --> 15N7 + 14N7 + 75.041 MeV [45.794 MeV] (A_O:105)
17O8 + 6 D* --> 16O8 + 13C6 + 79.618 MeV [50.371 MeV] (A_O:106)
17O8 + 6 D* --> 17O8 + 12C6 + 78.814 MeV [49.567 MeV] (A_O:107)
17O8 + 6 D* --> 19F9 + 10B5 + 67.442 MeV [38.195 MeV] (A_O:108)

17O8 + 6 D* --> 20Ne10 + 9Be4 + 73.700 MeV [44.453 MeV] (A_O:109)
17O8 + 6 D* --> 23Na11 + 6Li3 + 73.449 MeV [44.202 MeV] (A_O:110)
17O8 + 6 D* --> 25Mg12 + 4He2 + 88.773 MeV [59.526 MeV] (A_O:111)
17O8 + 6 D* --> 26Mg12 + 3He2 + 79.289 MeV [50.042 MeV] (A_O:112)
17O8 + 6 D* --> 27Al13 + 2H1 + 82.066 MeV [52.819 MeV] (A_O:113)
17O8 + 6 D* --> 29Si14 + 99.901 MeV [70.654 MeV] (A_O:114)

17O8 + 7 D* --> 16O8 + 15N7 + 95.777 MeV [59.838 MeV] (A_O:115)
17O8 + 7 D* --> 17O8 + 14N7 + 89.087 MeV [53.148 MeV] (A_O:116)
17O8 + 7 D* --> 19F9 + 12C6 + 92.629 MeV [56.690 MeV] (A_O:117)
17O8 + 7 D* --> 20Ne10 + 11B5 + 89.515 MeV [53.577 MeV] (A_O:118)
17O8 + 7 D* --> 21Ne10 + 10B5 + 84.822 MeV [48.884 MeV] (A_O:119)
17O8 + 7 D* --> 24Mg12 + 7Li3 + 90.167 MeV [54.228 MeV] (A_O:120)
17O8 + 7 D* --> 25Mg12 + 6Li3 + 90.247 MeV [54.309 MeV] (A_O:121)
17O8 + 7 D* --> 27Al13 + 4He2 + 105.913 MeV [69.975 MeV] (A_O:122)
17O8 + 7 D* --> 29Si14 + 2H1 + 99.901 MeV [63.962 MeV] (A_O:123)
17O8 + 7 D* --> 30Si14 + 1H1 + 108.285 MeV [72.347 MeV] (A_O:124)
17O8 + 7 D* --> 31P15 + 115.582 MeV [79.644 MeV] (A_O:125)

17O8 + 8 D* --> 17O8 + 16O8 + 109.823 MeV [66.724 MeV] (A_O:126)
17O8 + 8 D* --> 19F9 + 14N7 + 102.901 MeV [59.802 MeV] (A_O:127)
17O8 + 8 D* --> 20Ne10 + 13C6 + 108.194 MeV [65.095 MeV] (A_O:128)
17O8 + 8 D* --> 21Ne10 + 12C6 + 110.009 MeV [66.910 MeV] (A_O:129)
17O8 + 8 D* --> 23Na11 + 10B5 + 101.756 MeV [58.658 MeV] (A_O:130)
17O8 + 8 D* --> 24Mg12 + 9Be4 + 106.863 MeV [63.764 MeV] (A_O:131)
17O8 + 8 D* --> 27Al13 + 6Li3 + 107.387 MeV [64.288 MeV] (A_O:132)
17O8 + 8 D* --> 29Si14 + 4He2 + 123.747 MeV [80.649 MeV] (A_O:133)
17O8 + 8 D* --> 30Si14 + 3He2 + 113.779 MeV [70.680 MeV] (A_O:134)
17O8 + 8 D* --> 31P15 + 2H1 + 115.582 MeV [72.484 MeV] (A_O:135)
17O8 + 8 D* --> 33S16 + 130.863 MeV [87.764 MeV] (A_O:136)

17O8 + 9 D* --> 19F9 + 16O8 + 123.637 MeV [72.923 MeV] (A_O:137)
17O8 + 9 D* --> 20Ne10 + 15N7 + 124.353 MeV [73.639 MeV] (A_O:138)
17O8 + 9 D* --> 21Ne10 + 14N7 + 120.281 MeV [69.567 MeV] (A_O:139)
17O8 + 9 D* --> 23Na11 + 12C6 + 126.943 MeV [76.229 MeV] (A_O:140)
17O8 + 9 D* --> 24Mg12 + 11B5 + 122.678 MeV [71.965 MeV] (A_O:141)
17O8 + 9 D* --> 25Mg12 + 10B5 + 118.555 MeV [67.841 MeV] (A_O:142)
17O8 + 9 D* --> 28Si14 + 7Li3 + 123.997 MeV [73.284 MeV] (A_O:143)
17O8 + 9 D* --> 29Si14 + 6Li3 + 125.221 MeV [74.507 MeV] (A_O:144)
17O8 + 9 D* --> 31P15 + 4He2 + 139.429 MeV [88.715 MeV] (A_O:145)
17O8 + 9 D* --> 33S16 + 2H1 + 130.863 MeV [80.149 MeV] (A_O:146)
17O8 + 9 D* --> 34S16 + 1H1 + 140.056 MeV [89.342 MeV] (A_O:147)
17O8 + 9 D* --> 35Cl17 + 146.426 MeV [95.712 MeV] (A_O:148)

17O8 + 10 D* --> 20Ne10 + 17O8 + 138.399 MeV [79.628 MeV] (A_O:149)
17O8 + 10 D* --> 21Ne10 + 16O8 + 141.017 MeV [82.246 MeV] (A_O:150)
17O8 + 10 D* --> 23Na11 + 14N7 + 137.215 MeV [78.443 MeV] (A_O:151)
17O8 + 10 D* --> 24Mg12 + 13C6 + 141.357 MeV [82.585 MeV] (A_O:152)
17O8 + 10 D* --> 25Mg12 + 12C6 + 143.741 MeV [84.970 MeV] (A_O:153)
17O8 + 10 D* --> 27Al13 + 10B5 + 135.694 MeV [76.923 MeV] (A_O:154)
17O8 + 10 D* --> 28Si14 + 9Be4 + 140.694 MeV [81.922 MeV] (A_O:155)
17O8 + 10 D* --> 31P15 + 6Li3 + 140.902 MeV [82.131 MeV] (A_O:156)
17O8 + 10 D* --> 33S16 + 4He2 + 154.709 MeV [95.938 MeV] (A_O:157)
17O8 + 10 D* --> 34S16 + 3He2 + 145.549 MeV [86.777 MeV] (A_O:158)

17O8 + 10 D* --> 35Cl17 + 2H1 + 146.426 MeV [87.655 MeV] (A_O:159)

17O8 + 11 D* --> 20Ne10 + 19F9 + 152.213 MeV [84.953 MeV] (A_O:160)
17O8 + 11 D* --> 23Na11 + 16O8 + 157.951 MeV [90.690 MeV] (A_O:161)
17O8 + 11 D* --> 24Mg12 + 15N7 + 157.516 MeV [90.255 MeV] (A_O:162)
17O8 + 11 D* --> 25Mg12 + 14N7 + 154.014 MeV [86.753 MeV] (A_O:163)
17O8 + 11 D* --> 27Al13 + 12C6 + 160.881 MeV [93.620 MeV] (A_O:164)
17O8 + 11 D* --> 28Si14 + 11B5 + 156.509 MeV [89.248 MeV] (A_O:165)
17O8 + 11 D* --> 29Si14 + 10B5 + 153.528 MeV [86.268 MeV] (A_O:166)
17O8 + 11 D* --> 32S16 + 7Li3 + 154.792 MeV [87.531 MeV] (A_O:167)
17O8 + 11 D* --> 33S16 + 6Li3 + 156.183 MeV [88.922 MeV] (A_O:168)
17O8 + 11 D* --> 35Cl17 + 4He2 + 170.273 MeV [103.012 MeV] (A_O:169)
17O8 + 11 D* --> 38Ar18 + 1H1 + 171.110 MeV [103.849 MeV] (A_O:170)
17O8 + 11 D* --> 39K19 + 177.491 MeV [110.230 MeV] (A_O:171)

17O8 + 12 D* --> 21Ne10 + 20Ne10 + 169.594 MeV [93.422 MeV] (A_O:172)
17O8 + 12 D* --> 24Mg12 + 17O8 + 171.562 MeV [95.391 MeV] (A_O:173)
17O8 + 12 D* --> 25Mg12 + 16O8 + 174.750 MeV [98.578 MeV] (A_O:174)
17O8 + 12 D* --> 27Al13 + 14N7 + 171.153 MeV [94.982 MeV] (A_O:175)
17O8 + 12 D* --> 28Si14 + 13C6 + 175.188 MeV [99.016 MeV] (A_O:176)
17O8 + 12 D* --> 29Si14 + 12C6 + 178.715 MeV [102.543 MeV] (A_O:177)
17O8 + 12 D* --> 31P15 + 10B5 + 169.210 MeV [93.038 MeV] (A_O:178)
17O8 + 12 D* --> 32S16 + 9Be4 + 171.488 MeV [95.316 MeV] (A_O:179)
17O8 + 12 D* --> 35Cl17 + 6Li3 + 171.747 MeV [95.575 MeV] (A_O:180)
17O8 + 12 D* --> 38Ar18 + 3He2 + 176.603 MeV [100.432 MeV] (A_O:181)
17O8 + 12 D* --> 39K19 + 2H1 + 177.491 MeV [101.320 MeV] (A_O:182)
17O8 + 12 D* --> 40K19 + 1H1 + 183.066 MeV [106.895 MeV] (A_O:183)

18O8 + 2 D* --> 11B5 + 11B5 + 8.154 MeV [00.754 MeV] (A_O:184)
18O8 + 2 D* --> 13C6 + 9Be4 + 11.017 MeV [3.617 MeV] (A_O:185)
18O8 + 2 D* --> 15N7 + 7Li3 + 10.480 MeV [3.080 MeV] (A_O:186)
18O8 + 2 D* --> 18O8 + 4He2 + 23.847 MeV [16.446 MeV] (A_O:187)
18O8 + 2 D* --> 22Ne10 + 33.515 MeV [26.114 MeV] (A_O:188)

18O8 + 3 D* --> 13C6 + 11B5 + 26.833 MeV [14.851 MeV] (A_O:189)
18O8 + 3 D* --> 15N7 + 9Be4 + 27.177 MeV [15.195 MeV] (A_O:190)
18O8 + 3 D* --> 17O8 + 7Li3 + 24.526 MeV [12.545 MeV] (A_O:191)
18O8 + 3 D* --> 18O8 + 6Li3 + 25.320 MeV [13.339 MeV] (A_O:192)
18O8 + 3 D* --> 22Ne10 + 2H1 + 33.515 MeV [21.533 MeV] (A_O:193)

18O8 + 4 D* --> 13C6 + 13C6 + 45.511 MeV [28.401 MeV] (A_O:194)
18O8 + 4 D* --> 15N7 + 11B5 + 42.992 MeV [25.882 MeV] (A_O:195)
18O8 + 4 D* --> 17O8 + 9Be4 + 41.223 MeV [24.113 MeV] (A_O:196)
18O8 + 4 D* --> 19F9 + 7Li3 + 38.341 MeV [21.231 MeV] (A_O:197)
18O8 + 4 D* --> 22Ne10 + 4He2 + 57.361 MeV [40.251 MeV] (A_O:198)
18O8 + 4 D* --> 26Mg12 + 67.976 MeV [50.866 MeV] (A_O:199)

18O8 + 5 D* --> 15N7 + 13C6 + 61.671 MeV [38.908 MeV] (A_O:200)
18O8 + 5 D* --> 17O8 + 11B5 + 57.038 MeV [34.276 MeV] (A_O:201)
18O8 + 5 D* --> 18O8 + 10B5 + 53.628 MeV [30.865 MeV] (A_O:202)
18O8 + 5 D* --> 19F9 + 9Be4 + 55.037 MeV [32.274 MeV] (A_O:203)
18O8 + 5 D* --> 21Ne10 + 7Li3 + 55.721 MeV [32.958 MeV] (A_O:204)
18O8 + 5 D* --> 22Ne10 + 6Li3 + 58.835 MeV [36.073 MeV] (A_O:205)

18O8 + 5 D* --> 26Mg12 + 2H1 + 67.976 MeV [45.214 MeV] (A_O:206)

18O8 + 6 D* --> 15N7 + 15N7 + 77.830 MeV [48.912 MeV] (A_O:207)
18O8 + 6 D* --> 17O8 + 13C6 + 75.717 MeV [46.798 MeV] (A_O:208)
18O8 + 6 D* --> 18O8 + 12C6 + 78.814 MeV [49.896 MeV] (A_O:209)
18O8 + 6 D* --> 19F9 + 11B5 + 70.852 MeV [41.934 MeV] (A_O:210)
18O8 + 6 D* --> 21Ne10 + 9Be4 + 72.417 MeV [43.499 MeV] (A_O:211)
18O8 + 6 D* --> 23Na11 + 7Li3 + 72.655 MeV [43.736 MeV] (A_O:212)
18O8 + 6 D* --> 26Mg12 + 4He2 + 91.822 MeV [62.904 MeV] (A_O:213)
18O8 + 6 D* --> 30Si14 + 102.466 MeV [73.547 MeV] (A_O:214)

18O8 + 7 D* --> 17O8 + 15N7 + 91.876 MeV [56.316 MeV] (A_O:215)
18O8 + 7 D* --> 18O8 + 14N7 + 89.087 MeV [53.527 MeV] (A_O:216)
18O8 + 7 D* --> 19F9 + 13C6 + 89.531 MeV [53.971 MeV] (A_O:217)
18O8 + 7 D* --> 21Ne10 + 11B5 + 88.232 MeV [52.672 MeV] (A_O:218)
18O8 + 7 D* --> 22Ne10 + 10B5 + 87.143 MeV [51.583 MeV] (A_O:219)
18O8 + 7 D* --> 23Na11 + 9Be4 + 89.351 MeV [53.791 MeV] (A_O:220)
18O8 + 7 D* --> 25Mg12 + 7Li3 + 89.453 MeV [53.893 MeV] (A_O:221)
18O8 + 7 D* --> 26Mg12 + 6Li3 + 93.296 MeV [57.736 MeV] (A_O:222)
18O8 + 7 D* --> 30Si14 + 2H1 + 102.466 MeV [66.906 MeV] (A_O:223)

18O8 + 8 D* --> 17O8 + 17O8 + 105.922 MeV [63.250 MeV] (A_O:224)
18O8 + 8 D* --> 18O8 + 16O8 + 109.823 MeV [67.151 MeV] (A_O:225)
18O8 + 8 D* --> 19F9 + 15N7 + 105.690 MeV [63.018 MeV] (A_O:226)
18O8 + 8 D* --> 21Ne10 + 13C6 + 106.911 MeV [64.239 MeV] (A_O:227)
18O8 + 8 D* --> 22Ne10 + 12C6 + 112.329 MeV [69.657 MeV] (A_O:228)
18O8 + 8 D* --> 23Na11 + 11B5 + 105.166 MeV [62.494 MeV] (A_O:229)
18O8 + 8 D* --> 25Mg12 + 9Be4 + 106.149 MeV [63.478 MeV] (A_O:230)
18O8 + 8 D* --> 27Al13 + 7Li3 + 106.593 MeV [63.921 MeV] (A_O:231)
18O8 + 8 D* --> 30Si14 + 4He2 + 126.312 MeV [83.640 MeV] (A_O:232)
18O8 + 8 D* --> 34S16 + 134.236 MeV [91.564 MeV] (A_O:233)

18O8 + 9 D* --> 19F9 + 17O8 + 119.736 MeV [69.496 MeV] (A_O:234)
18O8 + 9 D* --> 21Ne10 + 15N7 + 123.070 MeV [72.831 MeV] (A_O:235)
18O8 + 9 D* --> 22Ne10 + 14N7 + 122.601 MeV [72.362 MeV] (A_O:236)
18O8 + 9 D* --> 23Na11 + 13C6 + 123.845 MeV [73.605 MeV] (A_O:237)
18O8 + 9 D* --> 25Mg12 + 11B5 + 121.965 MeV [71.725 MeV] (A_O:238)
18O8 + 9 D* --> 26Mg12 + 10B5 + 121.604 MeV [71.364 MeV] (A_O:239)
18O8 + 9 D* --> 27Al13 + 9Be4 + 123.289 MeV [73.049 MeV] (A_O:240)
18O8 + 9 D* --> 29Si14 + 7Li3 + 124.427 MeV [74.187 MeV] (A_O:241)
18O8 + 9 D* --> 30Si14 + 6Li3 + 127.786 MeV [77.546 MeV] (A_O:242)
18O8 + 9 D* --> 34S16 + 2H1 + 134.236 MeV [83.996 MeV] (A_O:243)

18O8 + 10 D* --> 19F9 + 19F9 + 133.550 MeV [75.299 MeV] (A_O:244)
18O8 + 10 D* --> 20Ne10 + 18O8 + 138.399 MeV [80.148 MeV] (A_O:245)
18O8 + 10 D* --> 21Ne10 + 17O8 + 137.116 MeV [78.865 MeV] (A_O:246)
18O8 + 10 D* --> 22Ne10 + 16O8 + 143.337 MeV [85.086 MeV] (A_O:247)
18O8 + 10 D* --> 23Na11 + 15N7 + 140.004 MeV [81.753 MeV] (A_O:248)
18O8 + 10 D* --> 25Mg12 + 13C6 + 140.644 MeV [82.392 MeV] (A_O:249)
18O8 + 10 D* --> 26Mg12 + 12C6 + 146.790 MeV [88.539 MeV] (A_O:250)
18O8 + 10 D* --> 27Al13 + 11B5 + 139.104 MeV [80.853 MeV] (A_O:251)
18O8 + 10 D* --> 29Si14 + 9Be4 + 141.123 MeV [82.872 MeV] (A_O:252)
18O8 + 10 D* --> 31P15 + 7Li3 + 140.108 MeV [81.857 MeV] (A_O:253)
18O8 + 10 D* --> 34S16 + 4He2 + 158.083 MeV [99.831 MeV] (A_O:254)

18O8 + 10 D* --> 37Cl17 + 1H1 + 155.048 MeV [96.797 MeV] (A_O:255)
18O8 + 10 D* --> 38Ar18 + 165.290 MeV [107.039 MeV] (A_O:256)

18O8 + 11 D* --> 21Ne10 + 19F9 + 150.931 MeV [84.235 MeV] (A_O:257)
18O8 + 11 D* --> 23Na11 + 17O8 + 154.050 MeV [87.354 MeV] (A_O:258)
18O8 + 11 D* --> 25Mg12 + 15N7 + 156.803 MeV [90.107 MeV] (A_O:259)
18O8 + 11 D* --> 26Mg12 + 14N7 + 157.063 MeV [90.367 MeV] (A_O:260)
18O8 + 11 D* --> 27Al13 + 13C6 + 157.783 MeV [91.087 MeV] (A_O:261)
18O8 + 11 D* --> 29Si14 + 11B5 + 156.939 MeV [90.243 MeV] (A_O:262)
18O8 + 11 D* --> 30Si14 + 10B5 + 156.094 MeV [89.398 MeV] (A_O:263)
18O8 + 11 D* --> 31P15 + 9Be4 + 156.805 MeV [90.109 MeV] (A_O:264)
18O8 + 11 D* --> 33S16 + 7Li3 + 155.389 MeV [88.694 MeV] (A_O:265)
18O8 + 11 D* --> 34S16 + 6Li3 + 159.556 MeV [92.861 MeV] (A_O:266)
18O8 + 11 D* --> 37Cl17 + 3He2 + 160.542 MeV [93.846 MeV] (A_O:267)
18O8 + 11 D* --> 38Ar18 + 2H1 + 165.290 MeV [98.595 MeV] (A_O:268)
18O8 + 11 D* --> 40K19 + 177.247 MeV [110.551 MeV] (A_O:269)

18O8 + 12 D* --> 21Ne10 + 21Ne10 + 168.311 MeV [92.749 MeV] (A_O:270)
18O8 + 12 D* --> 22Ne10 + 20Ne10 + 171.914 MeV [96.352 MeV] (A_O:271)
18O8 + 12 D* --> 23Na11 + 19F9 + 167.864 MeV [92.302 MeV] (A_O:272)
18O8 + 12 D* --> 24Mg12 + 18O8 + 171.562 MeV [96.000 MeV] (A_O:273)
18O8 + 12 D* --> 25Mg12 + 17O8 + 170.849 MeV [95.287 MeV] (A_O:274)
18O8 + 12 D* --> 26Mg12 + 16O8 + 177.799 MeV [102.237 MeV] (A_O:275)
18O8 + 12 D* --> 27Al13 + 15N7 + 173.942 MeV [98.380 MeV] (A_O:276)
18O8 + 12 D* --> 29Si14 + 13C6 + 175.617 MeV [100.055 MeV] (A_O:277)
18O8 + 12 D* --> 30Si14 + 12C6 + 181.280 MeV [105.718 MeV] (A_O:278)
18O8 + 12 D* --> 31P15 + 11B5 + 172.620 MeV [97.058 MeV] (A_O:279)
18O8 + 12 D* --> 33S16 + 9Be4 + 172.085 MeV [96.523 MeV] (A_O:280)
18O8 + 12 D* --> 35Cl17 + 7Li3 + 170.953 MeV [95.390 MeV] (A_O:281)
18O8 + 12 D* --> 38Ar18 + 4He2 + 189.137 MeV [113.575 MeV] (A_O:282)
18O8 + 12 D* --> 40K19 + 2H1 + 177.247 MeV [101.684 MeV] (A_O:283)
18O8 + 12 D* --> 41K19 + 1H1 + 185.117 MeV [109.555 MeV] (A_O:284)
18O8 + 12 D* --> 42Ca20 + 195.394 MeV [119.832 MeV] (A_O:285)

---------- Equations follow for Fluorine, F, element 9 ----------

19F9 + D* --> 12C6 + 9Be4 + 00.301 MeV [-3.457 MeV] (A_F:1)
19F9 + D* --> 17O8 + 4He2 + 10.032 MeV [6.274 MeV] (A_F:2)
19F9 + D* --> 21Ne10 + 17.380 MeV [13.622 MeV] (A_F:3)

19F9 + 2 D* --> 12C6 + 11B5 + 16.116 MeV [8.014 MeV] (A_F:4)
19F9 + 2 D* --> 13C6 + 10B5 + 9.608 MeV [1.507 MeV] (A_F:5)
19F9 + 2 D* --> 14N7 + 9Be4 + 10.573 MeV [2.471 MeV] (A_F:6)
19F9 + 2 D* --> 16O8 + 7Li3 + 14.613 MeV [6.511 MeV] (A_F:7)
19F9 + 2 D* --> 17O8 + 6Li3 + 11.506 MeV [3.404 MeV] (A_F:8)
19F9 + 2 D* --> 19F9 + 4He2 + 23.847 MeV [15.745 MeV] (A_F:9)
19F9 + 2 D* --> 21Ne10 + 2H1 + 17.380 MeV [9.278 MeV] (A_F:10)
19F9 + 2 D* --> 22Ne10 + 1H1 + 25.520 MeV [17.418 MeV] (A_F:11)
19F9 + 2 D* --> 23Na11 + 34.314 MeV [26.212 MeV] (A_F:12)

19F9 + 3 D* --> 13C6 + 12C6 + 34.795 MeV [21.793 MeV] (A_F:13)
19F9 + 3 D* --> 14N7 + 11B5 + 26.388 MeV [13.387 MeV] (A_F:14)
19F9 + 3 D* --> 15N7 + 10B5 + 25.768 MeV [12.766 MeV] (A_F:15)
19F9 + 3 D* --> 16O8 + 9Be4 + 31.309 MeV [18.308 MeV] (A_F:16)

19F9 + 3 D* --> 19F9 + 6Li3 + 25.320 MeV [12.319 MeV] (A_F:17)
19F9 + 3 D* --> 21Ne10 + 4He2 + 41.227 MeV [28.225 MeV] (A_F:18)
19F9 + 3 D* --> 22Ne10 + 3He2 + 31.013 MeV [18.012 MeV] (A_F:19)
19F9 + 3 D* --> 23Na11 + 2H1 + 34.314 MeV [21.313 MeV] (A_F:20)
19F9 + 3 D* --> 25Mg12 + 51.113 MeV [38.111 MeV] (A_F:21)

19F9 + 4 D* --> 14N7 + 13C6 + 45.067 MeV [26.635 MeV] (A_F:22)
19F9 + 4 D* --> 15N7 + 12C6 + 50.954 MeV [32.522 MeV] (A_F:23)
19F9 + 4 D* --> 16O8 + 11B5 + 47.125 MeV [28.693 MeV] (A_F:24)
19F9 + 4 D* --> 17O8 + 10B5 + 39.814 MeV [21.382 MeV] (A_F:25)
19F9 + 4 D* --> 20Ne10 + 7Li3 + 43.189 MeV [24.757 MeV] (A_F:26)
19F9 + 4 D* --> 21Ne10 + 6Li3 + 42.700 MeV [24.268 MeV] (A_F:27)
19F9 + 4 D* --> 23Na11 + 4He2 + 58.160 MeV [39.728 MeV] (A_F:28)
19F9 + 4 D* --> 25Mg12 + 2H1 + 51.113 MeV [32.681 MeV] (A_F:29)
19F9 + 4 D* --> 26Mg12 + 1H1 + 59.981 MeV [41.549 MeV] (A_F:30)
19F9 + 4 D* --> 27Al13 + 68.252 MeV [49.820 MeV] (A_F:31)

19F9 + 5 D* --> 15N7 + 14N7 + 61.226 MeV [36.854 MeV] (A_F:32)
19F9 + 5 D* --> 16O8 + 13C6 + 65.803 MeV [41.431 MeV] (A_F:33)
19F9 + 5 D* --> 17O8 + 12C6 + 65.000 MeV [40.628 MeV] (A_F:34)
19F9 + 5 D* --> 19F9 + 10B5 + 53.628 MeV [29.255 MeV] (A_F:35)
19F9 + 5 D* --> 20Ne10 + 9Be4 + 59.886 MeV [35.513 MeV] (A_F:36)
19F9 + 5 D* --> 23Na11 + 6Li3 + 59.634 MeV [35.262 MeV] (A_F:37)
19F9 + 5 D* --> 25Mg12 + 4He2 + 74.959 MeV [50.587 MeV] (A_F:38)
19F9 + 5 D* --> 26Mg12 + 3He2 + 65.475 MeV [41.102 MeV] (A_F:39)
19F9 + 5 D* --> 27Al13 + 2H1 + 68.252 MeV [43.880 MeV] (A_F:40)
19F9 + 5 D* --> 29Si14 + 86.086 MeV [61.714 MeV] (A_F:41)

19F9 + 6 D* --> 16O8 + 15N7 + 81.963 MeV [51.158 MeV] (A_F:42)
19F9 + 6 D* --> 17O8 + 14N7 + 75.272 MeV [44.468 MeV] (A_F:43)
19F9 + 6 D* --> 19F9 + 12C6 + 78.814 MeV [48.010 MeV] (A_F:44)
19F9 + 6 D* --> 20Ne10 + 11B5 + 75.701 MeV [44.897 MeV] (A_F:45)
19F9 + 6 D* --> 21Ne10 + 10B5 + 71.008 MeV [40.204 MeV] (A_F:46)
19F9 + 6 D* --> 24Mg12 + 7Li3 + 76.352 MeV [45.548 MeV] (A_F:47)
19F9 + 6 D* --> 25Mg12 + 6Li3 + 76.433 MeV [45.629 MeV] (A_F:48)
19F9 + 6 D* --> 27Al13 + 4He2 + 92.099 MeV [61.294 MeV] (A_F:49)
19F9 + 6 D* --> 29Si14 + 2H1 + 86.086 MeV [55.282 MeV] (A_F:50)
19F9 + 6 D* --> 30Si14 + 1H1 + 94.471 MeV [63.667 MeV] (A_F:51)
19F9 + 6 D* --> 31P15 + 101.768 MeV [70.964 MeV] (A_F:52)

19F9 + 7 D* --> 17O8 + 16O8 + 96.008 MeV [58.297 MeV] (A_F:53)
19F9 + 7 D* --> 19F9 + 14N7 + 89.087 MeV [51.375 MeV] (A_F:54)
19F9 + 7 D* --> 20Ne10 + 13C6 + 94.380 MeV [56.668 MeV] (A_F:55)
19F9 + 7 D* --> 21Ne10 + 12C6 + 96.194 MeV [58.483 MeV] (A_F:56)
19F9 + 7 D* --> 23Na11 + 10B5 + 87.942 MeV [50.231 MeV] (A_F:57)
19F9 + 7 D* --> 24Mg12 + 9Be4 + 93.049 MeV [55.337 MeV] (A_F:58)
19F9 + 7 D* --> 27Al13 + 6Li3 + 93.573 MeV [55.861 MeV] (A_F:59)
19F9 + 7 D* --> 29Si14 + 4He2 + 109.933 MeV [72.222 MeV] (A_F:60)
19F9 + 7 D* --> 30Si14 + 3He2 + 99.964 MeV [62.253 MeV] (A_F:61)
19F9 + 7 D* --> 31P15 + 2H1 + 101.768 MeV [64.057 MeV] (A_F:62)
19F9 + 7 D* --> 33S16 + 117.049 MeV [79.337 MeV] (A_F:63)

19F9 + 8 D* --> 19F9 + 16O8 + 109.823 MeV [64.744 MeV] (A_F:64)
19F9 + 8 D* --> 20Ne10 + 15N7 + 110.539 MeV [65.460 MeV] (A_F:65)

19F9 + 8 D* --> 21Ne10 + 14N7 + 106.467 MeV [61.388 MeV] (A_F:66)
19F9 + 8 D* --> 23Na11 + 12C6 + 113.128 MeV [68.049 MeV] (A_F:67)
19F9 + 8 D* --> 24Mg12 + 11B5 + 108.864 MeV [63.785 MeV] (A_F:68)
19F9 + 8 D* --> 25Mg12 + 10B5 + 104.740 MeV [59.662 MeV] (A_F:69)
19F9 + 8 D* --> 28Si14 + 7Li3 + 110.183 MeV [65.104 MeV] (A_F:70)
19F9 + 8 D* --> 29Si14 + 6Li3 + 111.407 MeV [66.328 MeV] (A_F:71)
19F9 + 8 D* --> 31P15 + 4He2 + 125.614 MeV [80.535 MeV] (A_F:72)
19F9 + 8 D* --> 33S16 + 2H1 + 117.049 MeV [71.970 MeV] (A_F:73)
19F9 + 8 D* --> 34S16 + 1H1 + 126.241 MeV [81.162 MeV] (A_F:74)
19F9 + 8 D* --> 35Cl17 + 132.612 MeV [87.533 MeV] (A_F:75)

19F9 + 9 D* --> 20Ne10 + 17O8 + 124.585 MeV [71.690 MeV] (A_F:76)
19F9 + 9 D* --> 21Ne10 + 16O8 + 127.203 MeV [74.308 MeV] (A_F:77)
19F9 + 9 D* --> 23Na11 + 14N7 + 123.401 MeV [70.506 MeV] (A_F:78)
19F9 + 9 D* --> 24Mg12 + 13C6 + 127.543 MeV [74.648 MeV] (A_F:79)
19F9 + 9 D* --> 25Mg12 + 12C6 + 129.927 MeV [77.032 MeV] (A_F:80)
19F9 + 9 D* --> 27Al13 + 10B5 + 121.880 MeV [68.986 MeV] (A_F:81)
19F9 + 9 D* --> 28Si14 + 9Be4 + 126.879 MeV [73.985 MeV] (A_F:82)
19F9 + 9 D* --> 31P15 + 6Li3 + 127.088 MeV [74.194 MeV] (A_F:83)
19F9 + 9 D* --> 33S16 + 4He2 + 140.895 MeV [88.001 MeV] (A_F:84)
19F9 + 9 D* --> 34S16 + 3He2 + 131.735 MeV [78.840 MeV] (A_F:85)
19F9 + 9 D* --> 35Cl17 + 2H1 + 132.612 MeV [79.717 MeV] (A_F:86)

19F9 + 10 D* --> 20Ne10 + 19F9 + 138.399 MeV [77.253 MeV] (A_F:87)
19F9 + 10 D* --> 23Na11 + 16O8 + 144.137 MeV [82.990 MeV] (A_F:88)
19F9 + 10 D* --> 24Mg12 + 15N7 + 143.702 MeV [82.556 MeV] (A_F:89)
19F9 + 10 D* --> 25Mg12 + 14N7 + 140.199 MeV [79.053 MeV] (A_F:90)
19F9 + 10 D* --> 27Al13 + 12C6 + 147.066 MeV [85.920 MeV] (A_F:91)
19F9 + 10 D* --> 28Si14 + 11B5 + 142.695 MeV [81.548 MeV] (A_F:92)
19F9 + 10 D* --> 29Si14 + 10B5 + 139.714 MeV [78.568 MeV] (A_F:93)
19F9 + 10 D* --> 32S16 + 7Li3 + 140.977 MeV [79.831 MeV] (A_F:94)
19F9 + 10 D* --> 33S16 + 6Li3 + 142.369 MeV [81.223 MeV] (A_F:95)
19F9 + 10 D* --> 35Cl17 + 4He2 + 156.458 MeV [95.312 MeV] (A_F:96)
19F9 + 10 D* --> 38Ar18 + 1H1 + 157.295 MeV [96.149 MeV] (A_F:97)
19F9 + 10 D* --> 39K19 + 163.677 MeV [102.531 MeV] (A_F:98)

19F9 + 11 D* --> 21Ne10 + 20Ne10 + 155.779 MeV [85.955 MeV] (A_F:99)
19F9 + 11 D* --> 24Mg12 + 17O8 + 157.748 MeV [87.924 MeV] (A_F:100)
19F9 + 11 D* --> 25Mg12 + 16O8 + 160.935 MeV [91.111 MeV] (A_F:101)
19F9 + 11 D* --> 27Al13 + 14N7 + 157.339 MeV [87.515 MeV] (A_F:102)
19F9 + 11 D* --> 28Si14 + 13C6 + 161.373 MeV [91.549 MeV] (A_F:103)
19F9 + 11 D* --> 29Si14 + 12C6 + 164.901 MeV [95.077 MeV] (A_F:104)
19F9 + 11 D* --> 31P15 + 10B5 + 155.396 MeV [85.572 MeV] (A_F:105)
19F9 + 11 D* --> 32S16 + 9Be4 + 157.674 MeV [87.850 MeV] (A_F:106)
19F9 + 11 D* --> 35Cl17 + 6Li3 + 157.932 MeV [88.108 MeV] (A_F:107)
19F9 + 11 D* --> 38Ar18 + 3He2 + 162.789 MeV [92.965 MeV] (A_F:108)
19F9 + 11 D* --> 39K19 + 2H1 + 163.677 MeV [93.853 MeV] (A_F:109)
19F9 + 11 D* --> 40K19 + 1H1 + 169.252 MeV [99.428 MeV] (A_F:110)

19F9 + 12 D* --> 23Na11 + 20Ne10 + 172.713 MeV [93.795 MeV] (A_F:111)
19F9 + 12 D* --> 24Mg12 + 19F9 + 171.562 MeV [92.645 MeV] (A_F:112)
19F9 + 12 D* --> 27Al13 + 16O8 + 178.075 MeV [99.157 MeV] (A_F:113)
19F9 + 12 D* --> 28Si14 + 15N7 + 177.533 MeV [98.615 MeV] (A_F:114)
19F9 + 12 D* --> 29Si14 + 14N7 + 175.173 MeV [96.255 MeV] (A_F:115)

19F9 + 12 D* --> 31P15 + 12C6 + 180.582 MeV [101.664 MeV] (A_F:116)
19F9 + 12 D* --> 32S16 + 11B5 + 173.489 MeV [94.571 MeV] (A_F:117)
19F9 + 12 D* --> 33S16 + 10B5 + 170.677 MeV [91.759 MeV] (A_F:118)
19F9 + 12 D* --> 36Ar18 + 7Li3 + 171.465 MeV [92.547 MeV] (A_F:119)
19F9 + 12 D* --> 39K19 + 4He2 + 187.523 MeV [108.606 MeV] (A_F:120)
19F9 + 12 D* --> 40K19 + 3He2 + 174.745 MeV [95.828 MeV] (A_F:121)
19F9 + 12 D* --> 42Ca20 + 1H1 + 187.399 MeV [108.482 MeV] (A_F:122)

---------- Equations follow for Neon, Ne, element 10 ----------

20Ne10 + D* --> 21Ne10 + 1H1 + 4.537 MeV [00.425 MeV] (A_Ne:1)

20Ne10 + 2 D* --> 12C6 + 12C6 + 19.230 MeV [10.443 MeV] (A_Ne:2)
20Ne10 + 2 D* --> 14N7 + 10B5 + 4.315 MeV [-4.471 MeV] (A_Ne:3)
20Ne10 + 2 D* --> 20Ne10 + 4He2 + 23.847 MeV [15.060 MeV] (A_Ne:4)
20Ne10 + 2 D* --> 21Ne10 + 3He2 + 10.030 MeV [1.244 MeV] (A_Ne:5)
20Ne10 + 2 D* --> 23Na11 + 1H1 + 21.470 MeV [12.684 MeV] (A_Ne:6)
20Ne10 + 2 D* --> 24Mg12 + 33.163 MeV [24.377 MeV] (A_Ne:7)

20Ne10 + 3 D* --> 14N7 + 12C6 + 29.502 MeV [15.503 MeV] (A_Ne:8)
20Ne10 + 3 D* --> 16O8 + 10B5 + 25.052 MeV [11.052 MeV] (A_Ne:9)
20Ne10 + 3 D* --> 20Ne10 + 6Li3 + 25.320 MeV [11.321 MeV] (A_Ne:10)
20Ne10 + 3 D* --> 23Na11 + 3He2 + 26.964 MeV [12.965 MeV] (A_Ne:11)
20Ne10 + 3 D* --> 24Mg12 + 2H1 + 33.163 MeV [19.164 MeV] (A_Ne:12)
20Ne10 + 3 D* --> 25Mg12 + 1H1 + 38.269 MeV [24.270 MeV] (A_Ne:13)

20Ne10 + 4 D* --> 14N7 + 14N7 + 39.774 MeV [20.047 MeV] (A_Ne:14)
20Ne10 + 4 D* --> 16O8 + 12C6 + 50.238 MeV [30.511 MeV] (A_Ne:15)
20Ne10 + 4 D* --> 24Mg12 + 4He2 + 57.010 MeV [37.282 MeV] (A_Ne:16)
20Ne10 + 4 D* --> 25Mg12 + 3He2 + 43.763 MeV [24.035 MeV] (A_Ne:17)
20Ne10 + 4 D* --> 27Al13 + 1H1 + 55.409 MeV [35.681 MeV] (A_Ne:18)
20Ne10 + 4 D* --> 28Si14 + 66.994 MeV [47.266 MeV] (A_Ne:19)

20Ne10 + 5 D* --> 16O8 + 14N7 + 60.510 MeV [34.558 MeV] (A_Ne:20)
20Ne10 + 5 D* --> 20Ne10 + 10B5 + 53.628 MeV [27.676 MeV] (A_Ne:21)
20Ne10 + 5 D* --> 24Mg12 + 6Li3 + 58.483 MeV [32.531 MeV] (A_Ne:22)
20Ne10 + 5 D* --> 27Al13 + 3He2 + 60.902 MeV [34.950 MeV] (A_Ne:23)
20Ne10 + 5 D* --> 28Si14 + 2H1 + 66.994 MeV [41.041 MeV] (A_Ne:24)
20Ne10 + 5 D* --> 29Si14 + 1H1 + 73.243 MeV [47.290 MeV] (A_Ne:25)

20Ne10 + 6 D* --> 16O8 + 16O8 + 81.246 MeV [48.589 MeV] (A_Ne:26)
20Ne10 + 6 D* --> 20Ne10 + 12C6 + 78.814 MeV [46.157 MeV] (A_Ne:27)
20Ne10 + 6 D* --> 28Si14 + 4He2 + 90.840 MeV [58.183 MeV] (A_Ne:28)
20Ne10 + 6 D* --> 29Si14 + 3He2 + 78.736 MeV [46.079 MeV] (A_Ne:29)
20Ne10 + 6 D* --> 31P15 + 1H1 + 88.924 MeV [56.267 MeV] (A_Ne:30)
20Ne10 + 6 D* --> 32S16 + 97.788 MeV [65.131 MeV] (A_Ne:31)

20Ne10 + 7 D* --> 20Ne10 + 14N7 + 89.087 MeV [49.260 MeV] (A_Ne:32)
20Ne10 + 7 D* --> 24Mg12 + 10B5 + 86.791 MeV [46.964 MeV] (A_Ne:33)
20Ne10 + 7 D* --> 28Si14 + 6Li3 + 92.314 MeV [52.487 MeV] (A_Ne:34)
20Ne10 + 7 D* --> 31P15 + 3He2 + 94.418 MeV [54.591 MeV] (A_Ne:35)
20Ne10 + 7 D* --> 32S16 + 2H1 + 97.788 MeV [57.961 MeV] (A_Ne:36)
20Ne10 + 7 D* --> 33S16 + 1H1 + 104.205 MeV [64.378 MeV] (A_Ne:37)

20Ne10 + 8 D* --> 20Ne10 + 16O8 + 109.823 MeV [62.374 MeV] (A_Ne:38)
20Ne10 + 8 D* --> 24Mg12 + 12C6 + 111.977 MeV [64.529 MeV] (A_Ne:39)
20Ne10 + 8 D* --> 32S16 + 4He2 + 121.635 MeV [74.186 MeV] (A_Ne:40)
20Ne10 + 8 D* --> 33S16 + 3He2 + 109.699 MeV [62.250 MeV] (A_Ne:41)
20Ne10 + 8 D* --> 35Cl17 + 1H1 + 119.768 MeV [72.320 MeV] (A_Ne:42)
20Ne10 + 8 D* --> 36Ar18 + 128.275 MeV [80.827 MeV] (A_Ne:43)

20Ne10 + 9 D* --> 24Mg12 + 14N7 + 122.250 MeV [66.739 MeV] (A_Ne:44)
20Ne10 + 9 D* --> 28Si14 + 10B5 + 120.622 MeV [65.111 MeV] (A_Ne:45)
20Ne10 + 9 D* --> 32S16 + 6Li3 + 123.108 MeV [67.598 MeV] (A_Ne:46)
20Ne10 + 9 D* --> 35Cl17 + 3He2 + 125.262 MeV [69.752 MeV] (A_Ne:47)
20Ne10 + 9 D* --> 36Ar18 + 2H1 + 128.275 MeV [72.765 MeV] (A_Ne:48)

20Ne10 + 10 D* --> 20Ne10 + 20Ne10 + 138.399 MeV [74.398 MeV] (A_Ne:49)
20Ne10 + 10 D* --> 24Mg12 + 16O8 + 142.986 MeV [78.985 MeV] (A_Ne:50)
20Ne10 + 10 D* --> 28Si14 + 12C6 + 145.808 MeV [81.807 MeV] (A_Ne:51)
20Ne10 + 10 D* --> 36Ar18 + 4He2 + 152.122 MeV [88.121 MeV] (A_Ne:52)
20Ne10 + 10 D* --> 39K19 + 1H1 + 150.833 MeV [86.832 MeV] (A_Ne:53)
20Ne10 + 10 D* --> 40Ca20 + 159.162 MeV [95.161 MeV] (A_Ne:54)

20Ne10 + 11 D* --> 28Si14 + 14N7 + 156.080 MeV [83.170 MeV] (A_Ne:55)
20Ne10 + 11 D* --> 32S16 + 10B5 + 151.416 MeV [78.505 MeV] (A_Ne:56)
20Ne10 + 11 D* --> 36Ar18 + 6Li3 + 153.596 MeV [80.685 MeV] (A_Ne:57)
20Ne10 + 11 D* --> 39K19 + 3He2 + 156.327 MeV [83.416 MeV] (A_Ne:58)
20Ne10 + 11 D* --> 40Ca20 + 2H1 + 159.162 MeV [86.251 MeV] (A_Ne:59)

20Ne10 + 12 D* --> 24Mg12 + 20Ne10 + 171.562 MeV [89.331 MeV] (A_Ne:60)
20Ne10 + 12 D* --> 28Si14 + 16O8 + 176.817 MeV [94.586 MeV] (A_Ne:61)
20Ne10 + 12 D* --> 32S16 + 12C6 + 176.602 MeV [94.371 MeV] (A_Ne:62)
20Ne10 + 12 D* --> 40Ca20 + 4He2 + 183.008 MeV [100.777 MeV] (A_Ne:63)

21Ne10 + D* --> 19F9 + 4He2 + 6.466 MeV [2.416 MeV] (A_Ne:64)
21Ne10 + D* --> 22Ne10 + 1H1 + 8.140 MeV [4.089 MeV] (A_Ne:65)
21Ne10 + D* --> 23Na11 + 16.934 MeV [12.883 MeV] (A_Ne:66)

21Ne10 + 2 D* --> 13C6 + 12C6 + 17.415 MeV [8.747 MeV] (A_Ne:67)
21Ne10 + 2 D* --> 14N7 + 11B5 + 9.008 MeV [00.341 MeV] (A_Ne:68)
21Ne10 + 2 D* --> 15N7 + 10B5 + 8.387 MeV [-0.280 MeV] (A_Ne:69)
21Ne10 + 2 D* --> 16O8 + 9Be4 + 13.929 MeV [5.261 MeV] (A_Ne:70)
21Ne10 + 2 D* --> 19F9 + 6Li3 + 7.940 MeV [-0.727 MeV] (A_Ne:71)
21Ne10 + 2 D* --> 21Ne10 + 4He2 + 23.847 MeV [15.179 MeV] (A_Ne:72)
21Ne10 + 2 D* --> 22Ne10 + 3He2 + 13.633 MeV [4.966 MeV] (A_Ne:73)
21Ne10 + 2 D* --> 23Na11 + 2H1 + 16.934 MeV [8.266 MeV] (A_Ne:74)
21Ne10 + 2 D* --> 25Mg12 + 33.732 MeV [25.065 MeV] (A_Ne:75)

21Ne10 + 3 D* --> 14N7 + 13C6 + 27.687 MeV [13.863 MeV] (A_Ne:76)
21Ne10 + 3 D* --> 15N7 + 12C6 + 33.574 MeV [19.750 MeV] (A_Ne:77)
21Ne10 + 3 D* --> 16O8 + 11B5 + 29.744 MeV [15.920 MeV] (A_Ne:78)
21Ne10 + 3 D* --> 17O8 + 10B5 + 22.433 MeV [8.609 MeV] (A_Ne:79)
21Ne10 + 3 D* --> 20Ne10 + 7Li3 + 25.809 MeV [11.985 MeV] (A_Ne:80)
21Ne10 + 3 D* --> 21Ne10 + 6Li3 + 25.320 MeV [11.496 MeV] (A_Ne:81)
21Ne10 + 3 D* --> 23Na11 + 4He2 + 40.780 MeV [26.956 MeV] (A_Ne:82)
21Ne10 + 3 D* --> 25Mg12 + 2H1 + 33.732 MeV [19.908 MeV] (A_Ne:83)
21Ne10 + 3 D* --> 26Mg12 + 1H1 + 42.601 MeV [28.777 MeV] (A_Ne:84)

21Ne10 + 3 D* --> 27Al13 + 50.872 MeV [37.048 MeV] (A_Ne:85)

21Ne10 + 4 D* --> 15N7 + 14N7 + 43.846 MeV [24.348 MeV] (A_Ne:86)
21Ne10 + 4 D* --> 16O8 + 13C6 + 48.423 MeV [28.925 MeV] (A_Ne:87)
21Ne10 + 4 D* --> 17O8 + 12C6 + 47.620 MeV [28.122 MeV] (A_Ne:88)
21Ne10 + 4 D* --> 19F9 + 10B5 + 36.248 MeV [16.750 MeV] (A_Ne:89)
21Ne10 + 4 D* --> 20Ne10 + 9Be4 + 42.505 MeV [23.007 MeV] (A_Ne:90)
21Ne10 + 4 D* --> 23Na11 + 6Li3 + 42.254 MeV [22.756 MeV] (A_Ne:91)
21Ne10 + 4 D* --> 25Mg12 + 4He2 + 57.579 MeV [38.081 MeV] (A_Ne:92)
21Ne10 + 4 D* --> 26Mg12 + 3He2 + 48.094 MeV [28.596 MeV] (A_Ne:93)
21Ne10 + 4 D* --> 27Al13 + 2H1 + 50.872 MeV [31.374 MeV] (A_Ne:94)
21Ne10 + 4 D* --> 29Si14 + 68.706 MeV [49.208 MeV] (A_Ne:95)

21Ne10 + 5 D* --> 16O8 + 15N7 + 64.582 MeV [38.912 MeV] (A_Ne:96)
21Ne10 + 5 D* --> 17O8 + 14N7 + 57.892 MeV [32.222 MeV] (A_Ne:97)
21Ne10 + 5 D* --> 19F9 + 12C6 + 61.434 MeV [35.764 MeV] (A_Ne:98)
21Ne10 + 5 D* --> 20Ne10 + 11B5 + 58.321 MeV [32.651 MeV] (A_Ne:99)
21Ne10 + 5 D* --> 21Ne10 + 10B5 + 53.628 MeV [27.958 MeV] (A_Ne:100)
21Ne10 + 5 D* --> 24Mg12 + 7Li3 + 58.972 MeV [33.302 MeV] (A_Ne:101)
21Ne10 + 5 D* --> 25Mg12 + 6Li3 + 59.053 MeV [33.383 MeV] (A_Ne:102)
21Ne10 + 5 D* --> 27Al13 + 4He2 + 74.719 MeV [49.048 MeV] (A_Ne:103)
21Ne10 + 5 D* --> 29Si14 + 2H1 + 68.706 MeV [43.036 MeV] (A_Ne:104)
21Ne10 + 5 D* --> 30Si14 + 1H1 + 77.091 MeV [51.421 MeV] (A_Ne:105)
21Ne10 + 5 D* --> 31P15 + 84.388 MeV [58.717 MeV] (A_Ne:106)

21Ne10 + 6 D* --> 17O8 + 16O8 + 78.628 MeV [46.304 MeV] (A_Ne:107)
21Ne10 + 6 D* --> 19F9 + 14N7 + 71.707 MeV [39.383 MeV] (A_Ne:108)
21Ne10 + 6 D* --> 20Ne10 + 13C6 + 76.999 MeV [44.676 MeV] (A_Ne:109)
21Ne10 + 6 D* --> 21Ne10 + 12C6 + 78.814 MeV [46.490 MeV] (A_Ne:110)
21Ne10 + 6 D* --> 23Na11 + 10B5 + 70.562 MeV [38.238 MeV] (A_Ne:111)
21Ne10 + 6 D* --> 24Mg12 + 9Be4 + 75.668 MeV [43.345 MeV] (A_Ne:112)
21Ne10 + 6 D* --> 27Al13 + 6Li3 + 76.192 MeV [43.869 MeV] (A_Ne:113)
21Ne10 + 6 D* --> 29Si14 + 4He2 + 92.553 MeV [60.229 MeV] (A_Ne:114)
21Ne10 + 6 D* --> 30Si14 + 3He2 + 82.584 MeV [50.260 MeV] (A_Ne:115)
21Ne10 + 6 D* --> 31P15 + 2H1 + 84.388 MeV [52.064 MeV] (A_Ne:116)
21Ne10 + 6 D* --> 33S16 + 99.669 MeV [67.345 MeV] (A_Ne:117)

21Ne10 + 7 D* --> 19F9 + 16O8 + 92.443 MeV [52.999 MeV] (A_Ne:118)
21Ne10 + 7 D* --> 20Ne10 + 15N7 + 93.159 MeV [53.715 MeV] (A_Ne:119)
21Ne10 + 7 D* --> 21Ne10 + 14N7 + 89.087 MeV [49.643 MeV] (A_Ne:120)
21Ne10 + 7 D* --> 23Na11 + 12C6 + 95.748 MeV [56.304 MeV] (A_Ne:121)
21Ne10 + 7 D* --> 24Mg12 + 11B5 + 91.484 MeV [52.040 MeV] (A_Ne:122)
21Ne10 + 7 D* --> 25Mg12 + 10B5 + 87.360 MeV [47.916 MeV] (A_Ne:123)
21Ne10 + 7 D* --> 28Si14 + 7Li3 + 92.803 MeV [53.359 MeV] (A_Ne:124)
21Ne10 + 7 D* --> 29Si14 + 6Li3 + 94.027 MeV [54.583 MeV] (A_Ne:125)
21Ne10 + 7 D* --> 31P15 + 4He2 + 108.234 MeV [68.790 MeV] (A_Ne:126)
21Ne10 + 7 D* --> 33S16 + 2H1 + 99.669 MeV [60.225 MeV] (A_Ne:127)
21Ne10 + 7 D* --> 34S16 + 1H1 + 108.861 MeV [69.417 MeV] (A_Ne:128)
21Ne10 + 7 D* --> 35Cl17 + 115.232 MeV [75.788 MeV] (A_Ne:129)

21Ne10 + 8 D* --> 20Ne10 + 17O8 + 107.205 MeV [60.187 MeV] (A_Ne:130)
21Ne10 + 8 D* --> 21Ne10 + 16O8 + 109.823 MeV [62.805 MeV] (A_Ne:131)
21Ne10 + 8 D* --> 23Na11 + 14N7 + 106.020 MeV [59.003 MeV] (A_Ne:132)
21Ne10 + 8 D* --> 24Mg12 + 13C6 + 110.163 MeV [63.145 MeV] (A_Ne:133)

21Ne10 + 8 D* --> 25Mg12 + 12C6 + 112.547 MeV [65.530 MeV] (A_Ne:134)
21Ne10 + 8 D* --> 27Al13 + 10B5 + 104.500 MeV [57.483 MeV] (A_Ne:135)
21Ne10 + 8 D* --> 28Si14 + 9Be4 + 109.499 MeV [62.482 MeV] (A_Ne:136)
21Ne10 + 8 D* --> 31P15 + 6Li3 + 109.708 MeV [62.691 MeV] (A_Ne:137)
21Ne10 + 8 D* --> 33S16 + 4He2 + 123.515 MeV [76.498 MeV] (A_Ne:138)
21Ne10 + 8 D* --> 34S16 + 3He2 + 114.355 MeV [67.337 MeV] (A_Ne:139)
21Ne10 + 8 D* --> 35Cl17 + 2H1 + 115.232 MeV [68.215 MeV] (A_Ne:140)

21Ne10 + 9 D* --> 20Ne10 + 19F9 + 121.019 MeV [65.987 MeV] (A_Ne:141)
21Ne10 + 9 D* --> 23Na11 + 16O8 + 126.757 MeV [71.725 MeV] (A_Ne:142)
21Ne10 + 9 D* --> 24Mg12 + 15N7 + 126.322 MeV [71.290 MeV] (A_Ne:143)
21Ne10 + 9 D* --> 25Mg12 + 14N7 + 122.819 MeV [67.787 MeV] (A_Ne:144)
21Ne10 + 9 D* --> 27Al13 + 12C6 + 129.686 MeV [74.655 MeV] (A_Ne:145)
21Ne10 + 9 D* --> 28Si14 + 11B5 + 125.315 MeV [70.283 MeV] (A_Ne:146)
21Ne10 + 9 D* --> 29Si14 + 10B5 + 122.334 MeV [67.302 MeV] (A_Ne:147)
21Ne10 + 9 D* --> 32S16 + 7Li3 + 123.597 MeV [68.566 MeV] (A_Ne:148)
21Ne10 + 9 D* --> 33S16 + 6Li3 + 124.989 MeV [69.957 MeV] (A_Ne:149)
21Ne10 + 9 D* --> 35Cl17 + 4He2 + 139.078 MeV [84.047 MeV] (A_Ne:150)
21Ne10 + 9 D* --> 38Ar18 + 1H1 + 139.915 MeV [84.884 MeV] (A_Ne:151)
21Ne10 + 9 D* --> 39K19 + 146.297 MeV [91.265 MeV] (A_Ne:152)

21Ne10 + 10 D* --> 21Ne10 + 20Ne10 + 138.399 MeV [74.923 MeV] (A_Ne:153)
21Ne10 + 10 D* --> 24Mg12 + 17O8 + 140.368 MeV [76.892 MeV] (A_Ne:154)
21Ne10 + 10 D* --> 25Mg12 + 16O8 + 143.555 MeV [80.079 MeV] (A_Ne:155)
21Ne10 + 10 D* --> 27Al13 + 14N7 + 139.959 MeV [76.482 MeV] (A_Ne:156)
21Ne10 + 10 D* --> 28Si14 + 13C6 + 143.993 MeV [80.517 MeV] (A_Ne:157)
21Ne10 + 10 D* --> 29Si14 + 12C6 + 147.520 MeV [84.044 MeV] (A_Ne:158)
21Ne10 + 10 D* --> 31P15 + 10B5 + 138.016 MeV [74.539 MeV] (A_Ne:159)
21Ne10 + 10 D* --> 32S16 + 9Be4 + 140.293 MeV [76.817 MeV] (A_Ne:160)
21Ne10 + 10 D* --> 35Cl17 + 6Li3 + 140.552 MeV [77.076 MeV] (A_Ne:161)
21Ne10 + 10 D* --> 38Ar18 + 3He2 + 145.409 MeV [81.932 MeV] (A_Ne:162)
21Ne10 + 10 D* --> 39K19 + 2H1 + 146.297 MeV [82.820 MeV] (A_Ne:163)
21Ne10 + 10 D* --> 40K19 + 1H1 + 151.872 MeV [88.395 MeV] (A_Ne:164)

21Ne10 + 11 D* --> 23Na11 + 20Ne10 + 155.333 MeV [82.992 MeV] (A_Ne:165)
21Ne10 + 11 D* --> 24Mg12 + 19F9 + 154.182 MeV [81.841 MeV] (A_Ne:166)
21Ne10 + 11 D* --> 27Al13 + 16O8 + 160.695 MeV [88.354 MeV] (A_Ne:167)
21Ne10 + 11 D* --> 28Si14 + 15N7 + 160.153 MeV [87.811 MeV] (A_Ne:168)
21Ne10 + 11 D* --> 29Si14 + 14N7 + 157.793 MeV [85.452 MeV] (A_Ne:169)
21Ne10 + 11 D* --> 31P15 + 12C6 + 163.202 MeV [90.861 MeV] (A_Ne:170)
21Ne10 + 11 D* --> 32S16 + 11B5 + 156.109 MeV [83.768 MeV] (A_Ne:171)
21Ne10 + 11 D* --> 33S16 + 10B5 + 153.296 MeV [80.955 MeV] (A_Ne:172)
21Ne10 + 11 D* --> 36Ar18 + 7Li3 + 154.085 MeV [81.743 MeV] (A_Ne:173)
21Ne10 + 11 D* --> 39K19 + 4He2 + 170.143 MeV [97.802 MeV] (A_Ne:174)
21Ne10 + 11 D* --> 40K19 + 3He2 + 157.365 MeV [85.024 MeV] (A_Ne:175)
21Ne10 + 11 D* --> 42Ca20 + 1H1 + 170.019 MeV [97.678 MeV] (A_Ne:176)

21Ne10 + 12 D* --> 24Mg12 + 21Ne10 + 171.562 MeV [89.945 MeV] (A_Ne:177)
21Ne10 + 12 D* --> 25Mg12 + 20Ne10 + 172.132 MeV [90.514 MeV] (A_Ne:178)
21Ne10 + 12 D* --> 28Si14 + 17O8 + 174.198 MeV [92.581 MeV] (A_Ne:179)
21Ne10 + 12 D* --> 29Si14 + 16O8 + 178.529 MeV [96.912 MeV] (A_Ne:180)
21Ne10 + 12 D* --> 31P15 + 14N7 + 173.474 MeV [91.857 MeV] (A_Ne:181)
21Ne10 + 12 D* --> 32S16 + 13C6 + 174.788 MeV [93.170 MeV] (A_Ne:182)
21Ne10 + 12 D* --> 33S16 + 12C6 + 178.483 MeV [96.866 MeV] (A_Ne:183)

21Ne10 + 12 D* --> 35Cl17 + 10B5 + 168.860 MeV [87.242 MeV] (A_Ne:184)
21Ne10 + 12 D* --> 36Ar18 + 9Be4 + 170.781 MeV [89.163 MeV] (A_Ne:185)
21Ne10 + 12 D* --> 39K19 + 6Li3 + 171.617 MeV [90.000 MeV] (A_Ne:186)
21Ne10 + 12 D* --> 42Ca20 + 3He2 + 175.513 MeV [93.895 MeV] (A_Ne:187)

22Ne10 + 2 D* --> 13C6 + 13C6 + 11.997 MeV [3.442 MeV] (A_Ne:188)
22Ne10 + 2 D* --> 15N7 + 11B5 + 9.477 MeV [00.922 MeV] (A_Ne:189)
22Ne10 + 2 D* --> 17O8 + 9Be4 + 7.708 MeV [-0.847 MeV] (A_Ne:190)
22Ne10 + 2 D* --> 19F9 + 7Li3 + 4.826 MeV [-3.729 MeV] (A_Ne:191)
22Ne10 + 2 D* --> 22Ne10 + 4He2 + 23.847 MeV [15.292 MeV] (A_Ne:192)
22Ne10 + 2 D* --> 26Mg12 + 34.461 MeV [25.906 MeV] (A_Ne:193)

22Ne10 + 3 D* --> 15N7 + 13C6 + 28.156 MeV [14.499 MeV] (A_Ne:194)
22Ne10 + 3 D* --> 17O8 + 11B5 + 23.523 MeV [9.866 MeV] (A_Ne:195)
22Ne10 + 3 D* --> 18O8 + 10B5 + 20.113 MeV [6.456 MeV] (A_Ne:196)
22Ne10 + 3 D* --> 19F9 + 9Be4 + 21.522 MeV [7.865 MeV] (A_Ne:197)
22Ne10 + 3 D* --> 21Ne10 + 7Li3 + 22.206 MeV [8.549 MeV] (A_Ne:198)
22Ne10 + 3 D* --> 22Ne10 + 6Li3 + 25.320 MeV [11.663 MeV] (A_Ne:199)
22Ne10 + 3 D* --> 26Mg12 + 2H1 + 34.461 MeV [20.804 MeV] (A_Ne:200)

22Ne10 + 4 D* --> 15N7 + 15N7 + 44.315 MeV [25.036 MeV] (A_Ne:201)
22Ne10 + 4 D* --> 17O8 + 13C6 + 42.202 MeV [22.923 MeV] (A_Ne:202)
22Ne10 + 4 D* --> 18O8 + 12C6 + 45.300 MeV [26.021 MeV] (A_Ne:203)
22Ne10 + 4 D* --> 19F9 + 11B5 + 37.338 MeV [18.059 MeV] (A_Ne:204)
22Ne10 + 4 D* --> 21Ne10 + 9Be4 + 38.902 MeV [19.623 MeV] (A_Ne:205)
22Ne10 + 4 D* --> 23Na11 + 7Li3 + 39.140 MeV [19.861 MeV] (A_Ne:206)
22Ne10 + 4 D* --> 26Mg12 + 4He2 + 58.308 MeV [39.029 MeV] (A_Ne:207)
22Ne10 + 4 D* --> 30Si14 + 68.951 MeV [49.672 MeV] (A_Ne:208)

22Ne10 + 5 D* --> 17O8 + 15N7 + 58.361 MeV [32.961 MeV] (A_Ne:209)
22Ne10 + 5 D* --> 18O8 + 14N7 + 55.572 MeV [30.172 MeV] (A_Ne:210)
22Ne10 + 5 D* --> 19F9 + 13C6 + 56.016 MeV [30.616 MeV] (A_Ne:211)
22Ne10 + 5 D* --> 21Ne10 + 11B5 + 54.718 MeV [29.318 MeV] (A_Ne:212)
22Ne10 + 5 D* --> 22Ne10 + 10B5 + 53.628 MeV [28.228 MeV] (A_Ne:213)
22Ne10 + 5 D* --> 23Na11 + 9Be4 + 55.836 MeV [30.436 MeV] (A_Ne:214)
22Ne10 + 5 D* --> 25Mg12 + 7Li3 + 55.939 MeV [30.539 MeV] (A_Ne:215)
22Ne10 + 5 D* --> 26Mg12 + 6Li3 + 59.782 MeV [34.382 MeV] (A_Ne:216)
22Ne10 + 5 D* --> 30Si14 + 2H1 + 68.951 MeV [43.551 MeV] (A_Ne:217)

22Ne10 + 6 D* --> 17O8 + 17O8 + 72.407 MeV [40.403 MeV] (A_Ne:218)
22Ne10 + 6 D* --> 18O8 + 16O8 + 76.308 MeV [44.304 MeV] (A_Ne:219)
22Ne10 + 6 D* --> 19F9 + 15N7 + 72.176 MeV [40.172 MeV] (A_Ne:220)
22Ne10 + 6 D* --> 21Ne10 + 13C6 + 73.396 MeV [41.393 MeV] (A_Ne:221)
22Ne10 + 6 D* --> 22Ne10 + 12C6 + 78.814 MeV [46.810 MeV] (A_Ne:222)
22Ne10 + 6 D* --> 23Na11 + 11B5 + 71.652 MeV [39.648 MeV] (A_Ne:223)
22Ne10 + 6 D* --> 25Mg12 + 9Be4 + 72.635 MeV [40.631 MeV] (A_Ne:224)
22Ne10 + 6 D* --> 27Al13 + 7Li3 + 73.078 MeV [41.074 MeV] (A_Ne:225)
22Ne10 + 6 D* --> 30Si14 + 4He2 + 92.798 MeV [60.794 MeV] (A_Ne:226)
22Ne10 + 6 D* --> 34S16 + 100.721 MeV [68.718 MeV] (A_Ne:227)

22Ne10 + 7 D* --> 19F9 + 17O8 + 86.222 MeV [47.146 MeV] (A_Ne:228)
22Ne10 + 7 D* --> 21Ne10 + 15N7 + 89.556 MeV [50.480 MeV] (A_Ne:229)
22Ne10 + 7 D* --> 22Ne10 + 14N7 + 89.087 MeV [50.011 MeV] (A_Ne:230)

22Ne10 + 7 D* --> 23Na11 + 13C6 + 90.330 MeV [51.255 MeV] (A_Ne:231)
22Ne10 + 7 D* --> 25Mg12 + 11B5 + 88.450 MeV [49.375 MeV] (A_Ne:232)
22Ne10 + 7 D* --> 26Mg12 + 10B5 + 88.089 MeV [49.014 MeV] (A_Ne:233)
22Ne10 + 7 D* --> 27Al13 + 9Be4 + 89.774 MeV [50.699 MeV] (A_Ne:234)
22Ne10 + 7 D* --> 29Si14 + 7Li3 + 90.912 MeV [51.837 MeV] (A_Ne:235)
22Ne10 + 7 D* --> 30Si14 + 6Li3 + 94.271 MeV [55.196 MeV] (A_Ne:236)
22Ne10 + 7 D* --> 34S16 + 2H1 + 100.721 MeV [61.646 MeV] (A_Ne:237)

22Ne10 + 8 D* --> 19F9 + 19F9 + 100.036 MeV [53.435 MeV] (A_Ne:238)
22Ne10 + 8 D* --> 20Ne10 + 18O8 + 104.885 MeV [58.283 MeV] (A_Ne:239)
22Ne10 + 8 D* --> 21Ne10 + 17O8 + 103.602 MeV [57.000 MeV] (A_Ne:240)
22Ne10 + 8 D* --> 22Ne10 + 16O8 + 109.823 MeV [63.222 MeV] (A_Ne:241)
22Ne10 + 8 D* --> 23Na11 + 15N7 + 106.489 MeV [59.888 MeV] (A_Ne:242)
22Ne10 + 8 D* --> 25Mg12 + 13C6 + 107.129 MeV [60.528 MeV] (A_Ne:243)
22Ne10 + 8 D* --> 26Mg12 + 12C6 + 113.276 MeV [66.674 MeV] (A_Ne:244)
22Ne10 + 8 D* --> 27Al13 + 11B5 + 105.590 MeV [58.989 MeV] (A_Ne:245)
22Ne10 + 8 D* --> 29Si14 + 9Be4 + 107.608 MeV [61.007 MeV] (A_Ne:246)
22Ne10 + 8 D* --> 31P15 + 7Li3 + 106.594 MeV [59.993 MeV] (A_Ne:247)
22Ne10 + 8 D* --> 34S16 + 4He2 + 124.568 MeV [77.967 MeV] (A_Ne:248)
22Ne10 + 8 D* --> 37Cl17 + 1H1 + 121.534 MeV [74.932 MeV] (A_Ne:249)
22Ne10 + 8 D* --> 38Ar18 + 131.776 MeV [85.174 MeV] (A_Ne:250)

22Ne10 + 9 D* --> 21Ne10 + 19F9 + 117.416 MeV [62.847 MeV] (A_Ne:251)
22Ne10 + 9 D* --> 23Na11 + 17O8 + 120.535 MeV [65.966 MeV] (A_Ne:252)
22Ne10 + 9 D* --> 25Mg12 + 15N7 + 123.288 MeV [68.719 MeV] (A_Ne:253)
22Ne10 + 9 D* --> 26Mg12 + 14N7 + 123.548 MeV [68.979 MeV] (A_Ne:254)
22Ne10 + 9 D* --> 27Al13 + 13C6 + 124.268 MeV [69.699 MeV] (A_Ne:255)
22Ne10 + 9 D* --> 29Si14 + 11B5 + 123.424 MeV [68.855 MeV] (A_Ne:256)
22Ne10 + 9 D* --> 30Si14 + 10B5 + 122.579 MeV [68.010 MeV] (A_Ne:257)
22Ne10 + 9 D* --> 31P15 + 9Be4 + 123.290 MeV [68.721 MeV] (A_Ne:258)
22Ne10 + 9 D* --> 33S16 + 7Li3 + 121.875 MeV [67.305 MeV] (A_Ne:259)
22Ne10 + 9 D* --> 34S16 + 6Li3 + 126.042 MeV [71.473 MeV] (A_Ne:260)
22Ne10 + 9 D* --> 37Cl17 + 3He2 + 127.027 MeV [72.458 MeV] (A_Ne:261)
22Ne10 + 9 D* --> 38Ar18 + 2H1 + 131.776 MeV [77.206 MeV] (A_Ne:262)
22Ne10 + 9 D* --> 40K19 + 143.732 MeV [89.163 MeV] (A_Ne:263)

22Ne10 + 10 D* --> 21Ne10 + 21Ne10 + 134.796 MeV [71.828 MeV] (A_Ne:264)
22Ne10 + 10 D* --> 22Ne10 + 20Ne10 + 138.399 MeV [75.431 MeV] (A_Ne:265)
22Ne10 + 10 D* --> 23Na11 + 19F9 + 134.350 MeV [71.381 MeV] (A_Ne:266)
22Ne10 + 10 D* --> 24Mg12 + 18O8 + 138.048 MeV [75.079 MeV] (A_Ne:267)
22Ne10 + 10 D* --> 25Mg12 + 17O8 + 137.334 MeV [74.366 MeV] (A_Ne:268)
22Ne10 + 10 D* --> 26Mg12 + 16O8 + 144.284 MeV [81.316 MeV] (A_Ne:269)
22Ne10 + 10 D* --> 27Al13 + 15N7 + 140.428 MeV [77.459 MeV] (A_Ne:270)
22Ne10 + 10 D* --> 29Si14 + 13C6 + 142.103 MeV [79.134 MeV] (A_Ne:271)
22Ne10 + 10 D* --> 30Si14 + 12C6 + 147.765 MeV [84.797 MeV] (A_Ne:272)
22Ne10 + 10 D* --> 31P15 + 11B5 + 139.105 MeV [76.137 MeV] (A_Ne:273)
22Ne10 + 10 D* --> 33S16 + 9Be4 + 138.571 MeV [75.602 MeV] (A_Ne:274)
22Ne10 + 10 D* --> 35Cl17 + 7Li3 + 137.438 MeV [74.469 MeV] (A_Ne:275)
22Ne10 + 10 D* --> 38Ar18 + 4He2 + 155.622 MeV [92.654 MeV] (A_Ne:276)
22Ne10 + 10 D* --> 40K19 + 2H1 + 143.732 MeV [80.764 MeV] (A_Ne:277)
22Ne10 + 10 D* --> 41K19 + 1H1 + 151.603 MeV [88.634 MeV] (A_Ne:278)
22Ne10 + 10 D* --> 42Ca20 + 161.880 MeV [98.911 MeV] (A_Ne:279)

22Ne10 + 11 D* --> 23Na11 + 21Ne10 + 151.730 MeV [79.941 MeV] (A_Ne:280)

22Ne10 + 11 D* --> 25Mg12 + 19F9 + 151.148 MeV [79.359 MeV] (A_Ne:281)
22Ne10 + 11 D* --> 27Al13 + 17O8 + 154.474 MeV [82.685 MeV] (A_Ne:282)
22Ne10 + 11 D* --> 29Si14 + 15N7 + 158.262 MeV [86.473 MeV] (A_Ne:283)
22Ne10 + 11 D* --> 30Si14 + 14N7 + 158.038 MeV [86.249 MeV] (A_Ne:284)
22Ne10 + 11 D* --> 31P15 + 13C6 + 157.784 MeV [85.995 MeV] (A_Ne:285)
22Ne10 + 11 D* --> 33S16 + 11B5 + 154.386 MeV [82.597 MeV] (A_Ne:286)
22Ne10 + 11 D* --> 34S16 + 10B5 + 154.349 MeV [82.560 MeV] (A_Ne:287)
22Ne10 + 11 D* --> 35Cl17 + 9Be4 + 154.134 MeV [82.345 MeV] (A_Ne:288)
22Ne10 + 11 D* --> 38Ar18 + 6Li3 + 157.096 MeV [85.307 MeV] (A_Ne:289)
22Ne10 + 11 D* --> 40K19 + 4He2 + 167.579 MeV [95.790 MeV] (A_Ne:290)
22Ne10 + 11 D* --> 41K19 + 3He2 + 157.096 MeV [85.307 MeV] (A_Ne:291)
22Ne10 + 11 D* --> 42Ca20 + 2H1 + 161.880 MeV [90.091 MeV] (A_Ne:292)
22Ne10 + 11 D* --> 43Ca20 + 1H1 + 167.588 MeV [95.799 MeV] (A_Ne:293)

22Ne10 + 12 D* --> 23Na11 + 23Na11 + 168.664 MeV [87.642 MeV] (A_Ne:294)
22Ne10 + 12 D* --> 24Mg12 + 22Ne10 + 171.562 MeV [90.541 MeV] (A_Ne:295)
22Ne10 + 12 D* --> 25Mg12 + 21Ne10 + 168.529 MeV [87.507 MeV] (A_Ne:296)
22Ne10 + 12 D* --> 26Mg12 + 20Ne10 + 172.860 MeV [91.839 MeV] (A_Ne:297)
22Ne10 + 12 D* --> 27Al13 + 19F9 + 168.288 MeV [87.266 MeV] (A_Ne:298)
22Ne10 + 12 D* --> 28Si14 + 18O8 + 171.878 MeV [90.857 MeV] (A_Ne:299)
22Ne10 + 12 D* --> 29Si14 + 17O8 + 172.308 MeV [91.286 MeV] (A_Ne:300)
22Ne10 + 12 D* --> 30Si14 + 16O8 + 178.774 MeV [97.752 MeV] (A_Ne:301)
22Ne10 + 12 D* --> 31P15 + 15N7 + 173.943 MeV [92.922 MeV] (A_Ne:302)
22Ne10 + 12 D* --> 33S16 + 13C6 + 173.065 MeV [92.043 MeV] (A_Ne:303)
22Ne10 + 12 D* --> 34S16 + 12C6 + 179.536 MeV [98.514 MeV] (A_Ne:304)
22Ne10 + 12 D* --> 35Cl17 + 11B5 + 169.950 MeV [88.928 MeV] (A_Ne:305)
22Ne10 + 12 D* --> 39K19 + 7Li3 + 168.503 MeV [87.481 MeV] (A_Ne:306)
22Ne10 + 12 D* --> 40K19 + 6Li3 + 169.052 MeV [88.031 MeV] (A_Ne:307)
22Ne10 + 12 D* --> 42Ca20 + 4He2 + 185.726 MeV [104.705 MeV] (A_Ne:308)
22Ne10 + 12 D* --> 43Ca20 + 3He2 + 173.081 MeV [92.060 MeV] (A_Ne:309)
22Ne10 + 12 D* --> 45Sc21 + 1H1 + 183.383 MeV [102.361 MeV] (A_Ne:310)
22Ne10 + 12 D* --> 46Ti22 + 193.727 MeV [112.706 MeV] (A_Ne:311)

---------- Equations follow for Sodium, Na, element 11 ----------

23Na11 + D* --> 13C6 + 12C6 + 00.481 MeV [-3.853 MeV] (A_Na:1)
23Na11 + D* --> 21Ne10 + 4He2 + 6.913 MeV [2.579 MeV] (A_Na:2)
23Na11 + D* --> 25Mg12 + 16.799 MeV [12.465 MeV] (A_Na:3)

23Na11 + 2 D* --> 14N7 + 13C6 + 10.753 MeV [1.537 MeV] (A_Na:4)
23Na11 + 2 D* --> 15N7 + 12C6 + 16.640 MeV [7.424 MeV] (A_Na:5)
23Na11 + 2 D* --> 16O8 + 11B5 + 12.811 MeV [3.595 MeV] (A_Na:6)
23Na11 + 2 D* --> 17O8 + 10B5 + 5.500 MeV [-3.716 MeV] (A_Na:7)
23Na11 + 2 D* --> 20Ne10 + 7Li3 + 8.875 MeV [-0.341 MeV] (A_Na:8)
23Na11 + 2 D* --> 21Ne10 + 6Li3 + 8.387 MeV [-0.829 MeV] (A_Na:9)
23Na11 + 2 D* --> 23Na11 + 4He2 + 23.847 MeV [14.631 MeV] (A_Na:10)
23Na11 + 2 D* --> 25Mg12 + 2H1 + 16.799 MeV [7.583 MeV] (A_Na:11)
23Na11 + 2 D* --> 26Mg12 + 1H1 + 25.667 MeV [16.451 MeV] (A_Na:12)
23Na11 + 2 D* --> 27Al13 + 33.938 MeV [24.722 MeV] (A_Na:13)

23Na11 + 3 D* --> 15N7 + 14N7 + 26.912 MeV [12.289 MeV] (A_Na:14)
23Na11 + 3 D* --> 16O8 + 13C6 + 31.489 MeV [16.866 MeV] (A_Na:15)
23Na11 + 3 D* --> 17O8 + 12C6 + 30.686 MeV [16.063 MeV] (A_Na:16)
23Na11 + 3 D* --> 19F9 + 10B5 + 19.314 MeV [4.690 MeV] (A_Na:17)

23Na11 + 3 D* --> 20Ne10 + 9Be4 + 25.572 MeV [10.948 MeV] (A_Na:18)
23Na11 + 3 D* --> 23Na11 + 6Li3 + 25.320 MeV [10.697 MeV] (A_Na:19)
23Na11 + 3 D* --> 25Mg12 + 4He2 + 40.645 MeV [26.022 MeV] (A_Na:20)
23Na11 + 3 D* --> 26Mg12 + 3He2 + 31.161 MeV [16.537 MeV] (A_Na:21)
23Na11 + 3 D* --> 27Al13 + 2H1 + 33.938 MeV [19.315 MeV] (A_Na:22)
23Na11 + 3 D* --> 29Si14 + 51.772 MeV [37.149 MeV] (A_Na:23)

23Na11 + 4 D* --> 16O8 + 15N7 + 47.649 MeV [27.112 MeV] (A_Na:24)
23Na11 + 4 D* --> 17O8 + 14N7 + 40.958 MeV [20.422 MeV] (A_Na:25)
23Na11 + 4 D* --> 19F9 + 12C6 + 44.500 MeV [23.964 MeV] (A_Na:26)
23Na11 + 4 D* --> 20Ne10 + 11B5 + 41.387 MeV [20.851 MeV] (A_Na:27)
23Na11 + 4 D* --> 21Ne10 + 10B5 + 36.694 MeV [16.158 MeV] (A_Na:28)
23Na11 + 4 D* --> 24Mg12 + 7Li3 + 42.038 MeV [21.502 MeV] (A_Na:29)
23Na11 + 4 D* --> 25Mg12 + 6Li3 + 42.119 MeV [21.583 MeV] (A_Na:30)
23Na11 + 4 D* --> 27Al13 + 4He2 + 57.785 MeV [37.249 MeV] (A_Na:31)
23Na11 + 4 D* --> 29Si14 + 2H1 + 51.772 MeV [31.236 MeV] (A_Na:32)
23Na11 + 4 D* --> 30Si14 + 1H1 + 60.157 MeV [39.621 MeV] (A_Na:33)
23Na11 + 4 D* --> 31P15 + 67.454 MeV [46.918 MeV] (A_Na:34)

23Na11 + 5 D* --> 17O8 + 16O8 + 61.695 MeV [34.758 MeV] (A_Na:35)
23Na11 + 5 D* --> 19F9 + 14N7 + 54.773 MeV [27.836 MeV] (A_Na:36)
23Na11 + 5 D* --> 20Ne10 + 13C6 + 60.066 MeV [33.129 MeV] (A_Na:37)
23Na11 + 5 D* --> 21Ne10 + 12C6 + 61.881 MeV [34.944 MeV] (A_Na:38)
23Na11 + 5 D* --> 23Na11 + 10B5 + 53.628 MeV [26.691 MeV] (A_Na:39)
23Na11 + 5 D* --> 24Mg12 + 9Be4 + 58.735 MeV [31.798 MeV] (A_Na:40)
23Na11 + 5 D* --> 27Al13 + 6Li3 + 59.259 MeV [32.322 MeV] (A_Na:41)
23Na11 + 5 D* --> 29Si14 + 4He2 + 75.619 MeV [48.682 MeV] (A_Na:42)
23Na11 + 5 D* --> 30Si14 + 3He2 + 65.650 MeV [38.714 MeV] (A_Na:43)
23Na11 + 5 D* --> 31P15 + 2H1 + 67.454 MeV [40.517 MeV] (A_Na:44)
23Na11 + 5 D* --> 33S16 + 82.735 MeV [55.798 MeV] (A_Na:45)

23Na11 + 6 D* --> 19F9 + 16O8 + 75.509 MeV [41.700 MeV] (A_Na:46)
23Na11 + 6 D* --> 20Ne10 + 15N7 + 76.225 MeV [42.416 MeV] (A_Na:47)
23Na11 + 6 D* --> 21Ne10 + 14N7 + 72.153 MeV [38.344 MeV] (A_Na:48)
23Na11 + 6 D* --> 23Na11 + 12C6 + 78.814 MeV [45.005 MeV] (A_Na:49)
23Na11 + 6 D* --> 24Mg12 + 11B5 + 74.550 MeV [40.741 MeV] (A_Na:50)
23Na11 + 6 D* --> 25Mg12 + 10B5 + 70.427 MeV [36.617 MeV] (A_Na:51)
23Na11 + 6 D* --> 28Si14 + 7Li3 + 75.869 MeV [42.060 MeV] (A_Na:52)
23Na11 + 6 D* --> 29Si14 + 6Li3 + 77.093 MeV [43.284 MeV] (A_Na:53)
23Na11 + 6 D* --> 31P15 + 4He2 + 91.300 MeV [57.491 MeV] (A_Na:54)
23Na11 + 6 D* --> 33S16 + 2H1 + 82.735 MeV [48.926 MeV] (A_Na:55)
23Na11 + 6 D* --> 34S16 + 1H1 + 91.927 MeV [58.118 MeV] (A_Na:56)
23Na11 + 6 D* --> 35Cl17 + 98.298 MeV [64.489 MeV] (A_Na:57)

23Na11 + 7 D* --> 20Ne10 + 17O8 + 90.271 MeV [49.131 MeV] (A_Na:58)
23Na11 + 7 D* --> 21Ne10 + 16O8 + 92.889 MeV [51.749 MeV] (A_Na:59)
23Na11 + 7 D* --> 23Na11 + 14N7 + 89.087 MeV [47.947 MeV] (A_Na:60)
23Na11 + 7 D* --> 24Mg12 + 13C6 + 93.229 MeV [52.089 MeV] (A_Na:61)
23Na11 + 7 D* --> 25Mg12 + 12C6 + 95.613 MeV [54.473 MeV] (A_Na:62)
23Na11 + 7 D* --> 27Al13 + 10B5 + 87.566 MeV [46.426 MeV] (A_Na:63)
23Na11 + 7 D* --> 28Si14 + 9Be4 + 92.565 MeV [51.425 MeV] (A_Na:64)
23Na11 + 7 D* --> 31P15 + 6Li3 + 92.774 MeV [51.634 MeV] (A_Na:65)
23Na11 + 7 D* --> 33S16 + 4He2 + 106.581 MeV [65.441 MeV] (A_Na:66)
23Na11 + 7 D* --> 34S16 + 3He2 + 97.421 MeV [56.281 MeV] (A_Na:67)

23Na11 + 7 D* --> 35Cl17 + 2H1 + 98.298 MeV [57.158 MeV] (A_Na:68)

23Na11 + 8 D* --> 20Ne10 + 19F9 + 104.085 MeV [55.168 MeV] (A_Na:69)
23Na11 + 8 D* --> 23Na11 + 16O8 + 109.823 MeV [60.906 MeV] (A_Na:70)
23Na11 + 8 D* --> 24Mg12 + 15N7 + 109.388 MeV [60.471 MeV] (A_Na:71)
23Na11 + 8 D* --> 25Mg12 + 14N7 + 105.885 MeV [56.968 MeV] (A_Na:72)
23Na11 + 8 D* --> 27Al13 + 12C6 + 112.753 MeV [63.836 MeV] (A_Na:73)
23Na11 + 8 D* --> 28Si14 + 11B5 + 108.381 MeV [59.464 MeV] (A_Na:74)
23Na11 + 8 D* --> 29Si14 + 10B5 + 105.400 MeV [56.483 MeV] (A_Na:75)
23Na11 + 8 D* --> 32S16 + 7Li3 + 106.663 MeV [57.746 MeV] (A_Na:76)
23Na11 + 8 D* --> 33S16 + 6Li3 + 108.055 MeV [59.138 MeV] (A_Na:77)
23Na11 + 8 D* --> 35Cl17 + 4He2 + 122.145 MeV [73.228 MeV] (A_Na:78)
23Na11 + 8 D* --> 38Ar18 + 1H1 + 122.982 MeV [74.064 MeV] (A_Na:79)
23Na11 + 8 D* --> 39K19 + 129.363 MeV [80.446 MeV] (A_Na:80)

23Na11 + 9 D* --> 21Ne10 + 20Ne10 + 121.465 MeV [64.337 MeV] (A_Na:81)
23Na11 + 9 D* --> 24Mg12 + 17O8 + 123.434 MeV [66.305 MeV] (A_Na:82)
23Na11 + 9 D* --> 25Mg12 + 16O8 + 126.621 MeV [69.493 MeV] (A_Na:83)
23Na11 + 9 D* --> 27Al13 + 14N7 + 123.025 MeV [65.896 MeV] (A_Na:84)
23Na11 + 9 D* --> 28Si14 + 13C6 + 127.059 MeV [69.931 MeV] (A_Na:85)
23Na11 + 9 D* --> 29Si14 + 12C6 + 130.587 MeV [73.458 MeV] (A_Na:86)
23Na11 + 9 D* --> 31P15 + 10B5 + 121.082 MeV [63.953 MeV] (A_Na:87)
23Na11 + 9 D* --> 32S16 + 9Be4 + 123.360 MeV [66.231 MeV] (A_Na:88)
23Na11 + 9 D* --> 35Cl17 + 6Li3 + 123.618 MeV [66.490 MeV] (A_Na:89)
23Na11 + 9 D* --> 38Ar18 + 3He2 + 128.475 MeV [71.346 MeV] (A_Na:90)
23Na11 + 9 D* --> 39K19 + 2H1 + 129.363 MeV [72.234 MeV] (A_Na:91)
23Na11 + 9 D* --> 40K19 + 1H1 + 134.938 MeV [77.809 MeV] (A_Na:92)

23Na11 + 10 D* --> 23Na11 + 20Ne10 + 138.399 MeV [72.634 MeV] (A_Na:93)
23Na11 + 10 D* --> 24Mg12 + 19F9 + 137.248 MeV [71.484 MeV] (A_Na:94)
23Na11 + 10 D* --> 27Al13 + 16O8 + 143.761 MeV [77.996 MeV] (A_Na:95)
23Na11 + 10 D* --> 28Si14 + 15N7 + 143.219 MeV [77.454 MeV] (A_Na:96)
23Na11 + 10 D* --> 29Si14 + 14N7 + 140.859 MeV [75.094 MeV] (A_Na:97)
23Na11 + 10 D* --> 31P15 + 12C6 + 146.268 MeV [80.504 MeV] (A_Na:98)
23Na11 + 10 D* --> 32S16 + 11B5 + 139.175 MeV [73.410 MeV] (A_Na:99)
23Na11 + 10 D* --> 33S16 + 10B5 + 136.363 MeV [70.598 MeV] (A_Na:100)
23Na11 + 10 D* --> 36Ar18 + 7Li3 + 137.151 MeV [71.386 MeV] (A_Na:101)
23Na11 + 10 D* --> 39K19 + 4He2 + 153.209 MeV [87.445 MeV] (A_Na:102)
23Na11 + 10 D* --> 40K19 + 3He2 + 140.431 MeV [74.667 MeV] (A_Na:103)
23Na11 + 10 D* --> 42Ca20 + 1H1 + 153.085 MeV [87.321 MeV] (A_Na:104)

23Na11 + 11 D* --> 24Mg12 + 21Ne10 + 154.628 MeV [79.813 MeV] (A_Na:105)
23Na11 + 11 D* --> 25Mg12 + 20Ne10 + 155.198 MeV [80.382 MeV] (A_Na:106)
23Na11 + 11 D* --> 28Si14 + 17O8 + 157.265 MeV [82.449 MeV] (A_Na:107)
23Na11 + 11 D* --> 29Si14 + 16O8 + 161.595 MeV [86.779 MeV] (A_Na:108)
23Na11 + 11 D* --> 31P15 + 14N7 + 156.541 MeV [81.725 MeV] (A_Na:109)
23Na11 + 11 D* --> 32S16 + 13C6 + 157.854 MeV [83.038 MeV] (A_Na:110)
23Na11 + 11 D* --> 33S16 + 12C6 + 161.549 MeV [86.733 MeV] (A_Na:111)
23Na11 + 11 D* --> 35Cl17 + 10B5 + 151.926 MeV [77.110 MeV] (A_Na:112)
23Na11 + 11 D* --> 36Ar18 + 9Be4 + 153.847 MeV [79.031 MeV] (A_Na:113)
23Na11 + 11 D* --> 39K19 + 6Li3 + 154.683 MeV [79.867 MeV] (A_Na:114)
23Na11 + 11 D* --> 42Ca20 + 3He2 + 158.579 MeV [83.763 MeV] (A_Na:115)

23Na11 + 12 D* --> 24Mg12 + 23Na11 + 171.562 MeV [87.289 MeV] (A_Na:116)

23Na11 + 12 D* --> 27Al13 + 20Ne10 + 172.337 MeV [88.064 MeV] (A_Na:117)
23Na11 + 12 D* --> 28Si14 + 19F9 + 171.079 MeV [86.806 MeV] (A_Na:118)
23Na11 + 12 D* --> 31P15 + 16O8 + 177.277 MeV [93.003 MeV] (A_Na:119)
23Na11 + 12 D* --> 32S16 + 15N7 + 174.013 MeV [89.740 MeV] (A_Na:120)
23Na11 + 12 D* --> 33S16 + 14N7 + 171.821 MeV [87.548 MeV] (A_Na:121)
23Na11 + 12 D* --> 35Cl17 + 12C6 + 177.112 MeV [92.839 MeV] (A_Na:122)
23Na11 + 12 D* --> 36Ar18 + 11B5 + 169.662 MeV [85.389 MeV] (A_Na:123)
23Na11 + 12 D* --> 40Ca20 + 7Li3 + 168.037 MeV [83.764 MeV] (A_Na:124)
23Na11 + 12 D* --> 46Ti22 + 1H1 + 184.933 MeV [100.660 MeV] (A_Na:125)

---------- Equations follow for Magnesium, Mg, element 12 ----------

24Mg12 + D* --> 25Mg12 + 1H1 + 5.106 MeV [00.440 MeV] (A_Mg:1)

24Mg12 + 2 D* --> 14N7 + 14N7 + 6.611 MeV [-3.253 MeV] (A_Mg:2)
24Mg12 + 2 D* --> 16O8 + 12C6 + 17.075 MeV [7.211 MeV] (A_Mg:3)
24Mg12 + 2 D* --> 24Mg12 + 4He2 + 23.847 MeV [13.983 MeV] (A_Mg:4)
24Mg12 + 2 D* --> 25Mg12 + 3He2 + 10.599 MeV [00.736 MeV] (A_Mg:5)
24Mg12 + 2 D* --> 27Al13 + 1H1 + 22.246 MeV [12.382 MeV] (A_Mg:6)
24Mg12 + 2 D* --> 28Si14 + 33.831 MeV [23.967 MeV] (A_Mg:7)

24Mg12 + 3 D* --> 16O8 + 14N7 + 27.347 MeV [11.776 MeV] (A_Mg:8)
24Mg12 + 3 D* --> 20Ne10 + 10B5 + 20.465 MeV [4.893 MeV] (A_Mg:9)
24Mg12 + 3 D* --> 24Mg12 + 6Li3 + 25.320 MeV [9.749 MeV] (A_Mg:10)
24Mg12 + 3 D* --> 27Al13 + 3He2 + 27.739 MeV [12.168 MeV] (A_Mg:11)
24Mg12 + 3 D* --> 28Si14 + 2H1 + 33.831 MeV [18.259 MeV] (A_Mg:12)
24Mg12 + 3 D* --> 29Si14 + 1H1 + 40.080 MeV [24.508 MeV] (A_Mg:13)

24Mg12 + 4 D* --> 16O8 + 16O8 + 48.083 MeV [26.312 MeV] (A_Mg:14)
24Mg12 + 4 D* --> 20Ne10 + 12C6 + 45.651 MeV [23.880 MeV] (A_Mg:15)
24Mg12 + 4 D* --> 28Si14 + 4He2 + 57.677 MeV [35.906 MeV] (A_Mg:16)
24Mg12 + 4 D* --> 29Si14 + 3He2 + 45.573 MeV [23.802 MeV] (A_Mg:17)
24Mg12 + 4 D* --> 31P15 + 1H1 + 55.761 MeV [33.990 MeV] (A_Mg:18)
24Mg12 + 4 D* --> 32S16 + 64.625 MeV [42.854 MeV] (A_Mg:19)

24Mg12 + 5 D* --> 20Ne10 + 14N7 + 55.924 MeV [27.476 MeV] (A_Mg:20)
24Mg12 + 5 D* --> 24Mg12 + 10B5 + 53.628 MeV [25.180 MeV] (A_Mg:21)
24Mg12 + 5 D* --> 28Si14 + 6Li3 + 59.151 MeV [30.703 MeV] (A_Mg:22)
24Mg12 + 5 D* --> 31P15 + 3He2 + 61.255 MeV [32.807 MeV] (A_Mg:23)
24Mg12 + 5 D* --> 32S16 + 2H1 + 64.625 MeV [36.177 MeV] (A_Mg:24)
24Mg12 + 5 D* --> 33S16 + 1H1 + 71.042 MeV [42.594 MeV] (A_Mg:25)

24Mg12 + 6 D* --> 20Ne10 + 16O8 + 76.660 MeV [41.073 MeV] (A_Mg:26)
24Mg12 + 6 D* --> 24Mg12 + 12C6 + 78.814 MeV [43.228 MeV] (A_Mg:27)
24Mg12 + 6 D* --> 32S16 + 4He2 + 88.472 MeV [52.885 MeV] (A_Mg:28)
24Mg12 + 6 D* --> 33S16 + 3He2 + 76.536 MeV [40.949 MeV] (A_Mg:29)
24Mg12 + 6 D* --> 35Cl17 + 1H1 + 86.605 MeV [51.019 MeV] (A_Mg:30)
24Mg12 + 6 D* --> 36Ar18 + 95.112 MeV [59.526 MeV] (A_Mg:31)

24Mg12 + 7 D* --> 24Mg12 + 14N7 + 89.087 MeV [45.912 MeV] (A_Mg:32)
24Mg12 + 7 D* --> 28Si14 + 10B5 + 87.459 MeV [44.284 MeV] (A_Mg:33)
24Mg12 + 7 D* --> 32S16 + 6Li3 + 89.945 MeV [46.771 MeV] (A_Mg:34)
24Mg12 + 7 D* --> 35Cl17 + 3He2 + 92.099 MeV [48.924 MeV] (A_Mg:35)
24Mg12 + 7 D* --> 36Ar18 + 2H1 + 95.112 MeV [51.938 MeV] (A_Mg:36)

24Mg12 + 8 D* --> 20Ne10 + 20Ne10 + 105.236 MeV [54.035 MeV] (A_Mg:37)
24Mg12 + 8 D* --> 24Mg12 + 16O8 + 109.823 MeV [58.622 MeV] (A_Mg:38)
24Mg12 + 8 D* --> 28Si14 + 12C6 + 112.645 MeV [61.444 MeV] (A_Mg:39)
24Mg12 + 8 D* --> 36Ar18 + 4He2 + 118.959 MeV [67.758 MeV] (A_Mg:40)
24Mg12 + 8 D* --> 39K19 + 1H1 + 117.670 MeV [66.470 MeV] (A_Mg:41)
24Mg12 + 8 D* --> 40Ca20 + 125.998 MeV [74.798 MeV] (A_Mg:42)

24Mg12 + 9 D* --> 28Si14 + 14N7 + 122.917 MeV [63.263 MeV] (A_Mg:43)
24Mg12 + 9 D* --> 32S16 + 10B5 + 118.253 MeV [58.599 MeV] (A_Mg:44)
24Mg12 + 9 D* --> 36Ar18 + 6Li3 + 120.433 MeV [60.778 MeV] (A_Mg:45)
24Mg12 + 9 D* --> 39K19 + 3He2 + 123.164 MeV [63.509 MeV] (A_Mg:46)
24Mg12 + 9 D* --> 40Ca20 + 2H1 + 125.998 MeV [66.344 MeV] (A_Mg:47)

24Mg12 + 10 D* --> 24Mg12 + 20Ne10 + 138.399 MeV [69.873 MeV] (A_Mg:48)
24Mg12 + 10 D* --> 28Si14 + 16O8 + 143.653 MeV [75.128 MeV] (A_Mg:49)
24Mg12 + 10 D* --> 32S16 + 12C6 + 143.439 MeV [74.914 MeV] (A_Mg:50)
24Mg12 + 10 D* --> 40Ca20 + 4He2 + 149.845 MeV [81.319 MeV] (A_Mg:51)

24Mg12 + 11 D* --> 32S16 + 14N7 + 153.712 MeV [75.905 MeV] (A_Mg:52)
24Mg12 + 11 D* --> 36Ar18 + 10B5 + 148.740 MeV [70.934 MeV] (A_Mg:53)
24Mg12 + 11 D* --> 40Ca20 + 6Li3 + 151.319 MeV [73.512 MeV] (A_Mg:54)

24Mg12 + 12 D* --> 24Mg12 + 24Mg12 + 171.562 MeV [84.074 MeV] (A_Mg:55)
24Mg12 + 12 D* --> 28Si14 + 20Ne10 + 172.230 MeV [84.742 MeV] (A_Mg:56)
24Mg12 + 12 D* --> 32S16 + 16O8 + 174.448 MeV [86.960 MeV] (A_Mg:57)
24Mg12 + 12 D* --> 36Ar18 + 12C6 + 173.927 MeV [86.439 MeV] (A_Mg:58)

25Mg12 + D* --> 23Na11 + 4He2 + 7.048 MeV [2.440 MeV] (A_Mg:59)
25Mg12 + D* --> 26Mg12 + 1H1 + 8.869 MeV [4.261 MeV] (A_Mg:60)
25Mg12 + D* --> 27Al13 + 17.140 MeV [12.532 MeV] (A_Mg:61)

25Mg12 + 2 D* --> 15N7 + 14N7 + 10.114 MeV [00.365 MeV] (A_Mg:62)
25Mg12 + 2 D* --> 16O8 + 13C6 + 14.691 MeV [4.942 MeV] (A_Mg:63)
25Mg12 + 2 D* --> 17O8 + 12C6 + 13.887 MeV [4.138 MeV] (A_Mg:64)
25Mg12 + 2 D* --> 19F9 + 10B5 + 2.515 MeV [-7.234 MeV] (A_Mg:65)
25Mg12 + 2 D* --> 20Ne10 + 9Be4 + 8.773 MeV [-0.976 MeV] (A_Mg:66)
25Mg12 + 2 D* --> 23Na11 + 6Li3 + 8.522 MeV [-1.227 MeV] (A_Mg:67)
25Mg12 + 2 D* --> 25Mg12 + 4He2 + 23.847 MeV [14.098 MeV] (A_Mg:68)
25Mg12 + 2 D* --> 26Mg12 + 3He2 + 14.362 MeV [4.613 MeV] (A_Mg:69)
25Mg12 + 2 D* --> 27Al13 + 2H1 + 17.140 MeV [7.391 MeV] (A_Mg:70)
25Mg12 + 2 D* --> 29Si14 + 34.974 MeV [25.225 MeV] (A_Mg:71)

25Mg12 + 3 D* --> 16O8 + 15N7 + 30.850 MeV [15.448 MeV] (A_Mg:72)
25Mg12 + 3 D* --> 17O8 + 14N7 + 24.160 MeV [8.758 MeV] (A_Mg:73)
25Mg12 + 3 D* --> 19F9 + 12C6 + 27.702 MeV [12.300 MeV] (A_Mg:74)
25Mg12 + 3 D* --> 20Ne10 + 11B5 + 24.588 MeV [9.186 MeV] (A_Mg:75)
25Mg12 + 3 D* --> 21Ne10 + 10B5 + 19.895 MeV [4.493 MeV] (A_Mg:76)
25Mg12 + 3 D* --> 24Mg12 + 7Li3 + 25.240 MeV [9.838 MeV] (A_Mg:77)
25Mg12 + 3 D* --> 25Mg12 + 6Li3 + 25.320 MeV [9.918 MeV] (A_Mg:78)
25Mg12 + 3 D* --> 27Al13 + 4He2 + 40.986 MeV [25.584 MeV] (A_Mg:79)
25Mg12 + 3 D* --> 29Si14 + 2H1 + 34.974 MeV [19.572 MeV] (A_Mg:80)
25Mg12 + 3 D* --> 30Si14 + 1H1 + 43.358 MeV [27.956 MeV] (A_Mg:81)
25Mg12 + 3 D* --> 31P15 + 50.655 MeV [35.253 MeV] (A_Mg:82)

25Mg12 + 4 D* --> 17O8 + 16O8 + 44.896 MeV [23.347 MeV] (A_Mg:83)
25Mg12 + 4 D* --> 19F9 + 14N7 + 37.974 MeV [16.425 MeV] (A_Mg:84)
25Mg12 + 4 D* --> 20Ne10 + 13C6 + 43.267 MeV [21.718 MeV] (A_Mg:85)
25Mg12 + 4 D* --> 21Ne10 + 12C6 + 45.082 MeV [23.533 MeV] (A_Mg:86)
25Mg12 + 4 D* --> 23Na11 + 10B5 + 36.829 MeV [15.280 MeV] (A_Mg:87)
25Mg12 + 4 D* --> 24Mg12 + 9Be4 + 41.936 MeV [20.387 MeV] (A_Mg:88)
25Mg12 + 4 D* --> 27Al13 + 6Li3 + 42.460 MeV [20.911 MeV] (A_Mg:89)
25Mg12 + 4 D* --> 29Si14 + 4He2 + 58.820 MeV [37.271 MeV] (A_Mg:90)
25Mg12 + 4 D* --> 30Si14 + 3He2 + 48.852 MeV [27.303 MeV] (A_Mg:91)
25Mg12 + 4 D* --> 31P15 + 2H1 + 50.655 MeV [29.106 MeV] (A_Mg:92)
25Mg12 + 4 D* --> 33S16 + 65.936 MeV [44.387 MeV] (A_Mg:93)

25Mg12 + 5 D* --> 19F9 + 16O8 + 58.710 MeV [30.536 MeV] (A_Mg:94)
25Mg12 + 5 D* --> 20Ne10 + 15N7 + 59.426 MeV [31.252 MeV] (A_Mg:95)
25Mg12 + 5 D* --> 21Ne10 + 14N7 + 55.354 MeV [27.180 MeV] (A_Mg:96)
25Mg12 + 5 D* --> 23Na11 + 12C6 + 62.016 MeV [33.841 MeV] (A_Mg:97)
25Mg12 + 5 D* --> 24Mg12 + 11B5 + 57.751 MeV [29.577 MeV] (A_Mg:98)
25Mg12 + 5 D* --> 25Mg12 + 10B5 + 53.628 MeV [25.454 MeV] (A_Mg:99)
25Mg12 + 5 D* --> 28Si14 + 7Li3 + 59.070 MeV [30.896 MeV] (A_Mg:100)
25Mg12 + 5 D* --> 29Si14 + 6Li3 + 60.294 MeV [32.120 MeV] (A_Mg:101)
25Mg12 + 5 D* --> 31P15 + 4He2 + 74.502 MeV [46.327 MeV] (A_Mg:102)
25Mg12 + 5 D* --> 33S16 + 2H1 + 65.936 MeV [37.762 MeV] (A_Mg:103)
25Mg12 + 5 D* --> 34S16 + 1H1 + 75.129 MeV [46.954 MeV] (A_Mg:104)
25Mg12 + 5 D* --> 35Cl17 + 81.499 MeV [53.325 MeV] (A_Mg:105)

25Mg12 + 6 D* --> 20Ne10 + 17O8 + 73.472 MeV [38.209 MeV] (A_Mg:106)
25Mg12 + 6 D* --> 21Ne10 + 16O8 + 76.090 MeV [40.827 MeV] (A_Mg:107)
25Mg12 + 6 D* --> 23Na11 + 14N7 + 72.288 MeV [37.025 MeV] (A_Mg:108)
25Mg12 + 6 D* --> 24Mg12 + 13C6 + 76.430 MeV [41.167 MeV] (A_Mg:109)
25Mg12 + 6 D* --> 25Mg12 + 12C6 + 78.814 MeV [43.551 MeV] (A_Mg:110)
25Mg12 + 6 D* --> 27Al13 + 10B5 + 70.767 MeV [35.504 MeV] (A_Mg:111)
25Mg12 + 6 D* --> 28Si14 + 9Be4 + 75.767 MeV [40.504 MeV] (A_Mg:112)
25Mg12 + 6 D* --> 31P15 + 6Li3 + 75.976 MeV [40.713 MeV] (A_Mg:113)
25Mg12 + 6 D* --> 33S16 + 4He2 + 89.783 MeV [54.520 MeV] (A_Mg:114)
25Mg12 + 6 D* --> 34S16 + 3He2 + 80.622 MeV [45.359 MeV] (A_Mg:115)
25Mg12 + 6 D* --> 35Cl17 + 2H1 + 81.499 MeV [46.236 MeV] (A_Mg:116)

25Mg12 + 7 D* --> 20Ne10 + 19F9 + 87.287 MeV [44.484 MeV] (A_Mg:117)
25Mg12 + 7 D* --> 23Na11 + 16O8 + 93.024 MeV [50.222 MeV] (A_Mg:118)
25Mg12 + 7 D* --> 24Mg12 + 15N7 + 92.589 MeV [49.787 MeV] (A_Mg:119)
25Mg12 + 7 D* --> 25Mg12 + 14N7 + 89.087 MeV [46.284 MeV] (A_Mg:120)
25Mg12 + 7 D* --> 27Al13 + 12C6 + 95.954 MeV [53.151 MeV] (A_Mg:121)
25Mg12 + 7 D* --> 28Si14 + 11B5 + 91.582 MeV [48.780 MeV] (A_Mg:122)
25Mg12 + 7 D* --> 29Si14 + 10B5 + 88.602 MeV [45.799 MeV] (A_Mg:123)
25Mg12 + 7 D* --> 32S16 + 7Li3 + 89.865 MeV [47.062 MeV] (A_Mg:124)
25Mg12 + 7 D* --> 33S16 + 6Li3 + 91.256 MeV [48.454 MeV] (A_Mg:125)
25Mg12 + 7 D* --> 35Cl17 + 4He2 + 105.346 MeV [62.543 MeV] (A_Mg:126)
25Mg12 + 7 D* --> 38Ar18 + 1H1 + 106.183 MeV [63.380 MeV] (A_Mg:127)
25Mg12 + 7 D* --> 39K19 + 112.564 MeV [69.762 MeV] (A_Mg:128)

25Mg12 + 8 D* --> 21Ne10 + 20Ne10 + 104.667 MeV [53.886 MeV] (A_Mg:129)
25Mg12 + 8 D* --> 24Mg12 + 17O8 + 106.635 MeV [55.854 MeV] (A_Mg:130)
25Mg12 + 8 D* --> 25Mg12 + 16O8 + 109.823 MeV [59.042 MeV] (A_Mg:131)

25Mg12 + 8 D* --> 27Al13 + 14N7 + 106.226 MeV [55.445 MeV] (A_Mg:132)
25Mg12 + 8 D* --> 28Si14 + 13C6 + 110.261 MeV [59.480 MeV] (A_Mg:133)
25Mg12 + 8 D* --> 29Si14 + 12C6 + 113.788 MeV [63.007 MeV] (A_Mg:134)
25Mg12 + 8 D* --> 31P15 + 10B5 + 104.283 MeV [53.502 MeV] (A_Mg:135)
25Mg12 + 8 D* --> 32S16 + 9Be4 + 106.561 MeV [55.780 MeV] (A_Mg:136)
25Mg12 + 8 D* --> 35Cl17 + 6Li3 + 106.820 MeV [56.039 MeV] (A_Mg:137)
25Mg12 + 8 D* --> 38Ar18 + 3He2 + 111.676 MeV [60.895 MeV] (A_Mg:138)
25Mg12 + 8 D* --> 39K19 + 2H1 + 112.564 MeV [61.783 MeV] (A_Mg:139)
25Mg12 + 8 D* --> 40K19 + 1H1 + 118.139 MeV [67.358 MeV] (A_Mg:140)

25Mg12 + 9 D* --> 23Na11 + 20Ne10 + 121.600 MeV [62.412 MeV] (A_Mg:141)
25Mg12 + 9 D* --> 24Mg12 + 19F9 + 120.450 MeV [61.261 MeV] (A_Mg:142)
25Mg12 + 9 D* --> 27Al13 + 16O8 + 126.962 MeV [67.774 MeV] (A_Mg:143)
25Mg12 + 9 D* --> 28Si14 + 15N7 + 126.420 MeV [67.232 MeV] (A_Mg:144)
25Mg12 + 9 D* --> 29Si14 + 14N7 + 124.060 MeV [64.872 MeV] (A_Mg:145)
25Mg12 + 9 D* --> 31P15 + 12C6 + 129.470 MeV [70.281 MeV] (A_Mg:146)
25Mg12 + 9 D* --> 32S16 + 11B5 + 122.376 MeV [63.188 MeV] (A_Mg:147)
25Mg12 + 9 D* --> 33S16 + 10B5 + 119.564 MeV [60.376 MeV] (A_Mg:148)
25Mg12 + 9 D* --> 36Ar18 + 7Li3 + 120.352 MeV [61.164 MeV] (A_Mg:149)
25Mg12 + 9 D* --> 39K19 + 4He2 + 136.411 MeV [77.223 MeV] (A_Mg:150)
25Mg12 + 9 D* --> 40K19 + 3He2 + 123.633 MeV [64.444 MeV] (A_Mg:151)
25Mg12 + 9 D* --> 42Ca20 + 1H1 + 136.287 MeV [77.099 MeV] (A_Mg:152)

25Mg12 + 10 D* --> 24Mg12 + 21Ne10 + 137.830 MeV [69.815 MeV] (A_Mg:153)
25Mg12 + 10 D* --> 25Mg12 + 20Ne10 + 138.399 MeV [70.385 MeV] (A_Mg:154)
25Mg12 + 10 D* --> 28Si14 + 17O8 + 140.466 MeV [72.452 MeV] (A_Mg:155)
25Mg12 + 10 D* --> 29Si14 + 16O8 + 144.796 MeV [76.782 MeV] (A_Mg:156)
25Mg12 + 10 D* --> 31P15 + 14N7 + 139.742 MeV [71.727 MeV] (A_Mg:157)
25Mg12 + 10 D* --> 32S16 + 13C6 + 141.055 MeV [73.041 MeV] (A_Mg:158)
25Mg12 + 10 D* --> 33S16 + 12C6 + 144.750 MeV [76.736 MeV] (A_Mg:159)
25Mg12 + 10 D* --> 35Cl17 + 10B5 + 135.127 MeV [67.113 MeV] (A_Mg:160)
25Mg12 + 10 D* --> 36Ar18 + 9Be4 + 137.048 MeV [69.034 MeV] (A_Mg:161)
25Mg12 + 10 D* --> 39K19 + 6Li3 + 137.885 MeV [69.870 MeV] (A_Mg:162)
25Mg12 + 10 D* --> 42Ca20 + 3He2 + 141.780 MeV [73.766 MeV] (A_Mg:163)

25Mg12 + 11 D* --> 24Mg12 + 23Na11 + 154.764 MeV [77.513 MeV] (A_Mg:164)
25Mg12 + 11 D* --> 27Al13 + 20Ne10 + 155.539 MeV [78.288 MeV] (A_Mg:165)
25Mg12 + 11 D* --> 28Si14 + 19F9 + 154.280 MeV [77.030 MeV] (A_Mg:166)
25Mg12 + 11 D* --> 31P15 + 16O8 + 160.478 MeV [83.227 MeV] (A_Mg:167)
25Mg12 + 11 D* --> 32S16 + 15N7 + 157.214 MeV [79.964 MeV] (A_Mg:168)
25Mg12 + 11 D* --> 33S16 + 14N7 + 155.023 MeV [77.772 MeV] (A_Mg:169)
25Mg12 + 11 D* --> 35Cl17 + 12C6 + 160.314 MeV [83.063 MeV] (A_Mg:170)
25Mg12 + 11 D* --> 36Ar18 + 11B5 + 152.864 MeV [75.613 MeV] (A_Mg:171)
25Mg12 + 11 D* --> 40Ca20 + 7Li3 + 151.238 MeV [73.988 MeV] (A_Mg:172)
25Mg12 + 11 D* --> 46Ti22 + 1H1 + 168.135 MeV [90.884 MeV] (A_Mg:173)

25Mg12 + 12 D* --> 25Mg12 + 24Mg12 + 171.562 MeV [84.674 MeV] (A_Mg:174)
25Mg12 + 12 D* --> 28Si14 + 21Ne10 + 171.660 MeV [84.772 MeV] (A_Mg:175)
25Mg12 + 12 D* --> 29Si14 + 20Ne10 + 173.373 MeV [86.484 MeV] (A_Mg:176)
25Mg12 + 12 D* --> 32S16 + 17O8 + 171.260 MeV [84.372 MeV] (A_Mg:177)
25Mg12 + 12 D* --> 33S16 + 16O8 + 175.759 MeV [88.870 MeV] (A_Mg:178)
25Mg12 + 12 D* --> 35Cl17 + 14N7 + 170.586 MeV [83.697 MeV] (A_Mg:179)
25Mg12 + 12 D* --> 36Ar18 + 13C6 + 171.542 MeV [84.654 MeV] (A_Mg:180)
25Mg12 + 12 D* --> 39K19 + 10B5 + 166.192 MeV [79.304 MeV] (A_Mg:181)

25Mg12 + 12 D* --> 40Ca20 + 9Be4 + 167.934 MeV [81.046 MeV] (A_Mg:182)
25Mg12 + 12 D* --> 46Ti22 + 3He2 + 173.628 MeV [86.739 MeV] (A_Mg:183)

26Mg12 + 2 D* --> 15N7 + 15N7 + 9.854 MeV [00.215 MeV] (A_Mg:184)
26Mg12 + 2 D* --> 17O8 + 13C6 + 7.741 MeV [-1.899 MeV] (A_Mg:185)
26Mg12 + 2 D* --> 18O8 + 12C6 + 10.838 MeV [1.199 MeV] (A_Mg:186)
26Mg12 + 2 D* --> 19F9 + 11B5 + 2.876 MeV [-6.763 MeV] (A_Mg:187)
26Mg12 + 2 D* --> 21Ne10 + 9Be4 + 4.441 MeV [-5.198 MeV] (A_Mg:188)
26Mg12 + 2 D* --> 23Na11 + 7Li3 + 4.679 MeV [-4.961 MeV] (A_Mg:189)
26Mg12 + 2 D* --> 26Mg12 + 4He2 + 23.847 MeV [14.207 MeV] (A_Mg:190)
26Mg12 + 2 D* --> 30Si14 + 34.490 MeV [24.850 MeV] (A_Mg:191)

26Mg12 + 3 D* --> 17O8 + 15N7 + 23.900 MeV [8.660 MeV] (A_Mg:192)
26Mg12 + 3 D* --> 18O8 + 14N7 + 21.111 MeV [5.871 MeV] (A_Mg:193)
26Mg12 + 3 D* --> 19F9 + 13C6 + 21.555 MeV [6.315 MeV] (A_Mg:194)
26Mg12 + 3 D* --> 21Ne10 + 11B5 + 20.256 MeV [5.016 MeV] (A_Mg:195)
26Mg12 + 3 D* --> 22Ne10 + 10B5 + 19.167 MeV [3.927 MeV] (A_Mg:196)
26Mg12 + 3 D* --> 23Na11 + 9Be4 + 21.375 MeV [6.135 MeV] (A_Mg:197)
26Mg12 + 3 D* --> 25Mg12 + 7Li3 + 21.477 MeV [6.237 MeV] (A_Mg:198)
26Mg12 + 3 D* --> 26Mg12 + 6Li3 + 25.320 MeV [10.080 MeV] (A_Mg:199)
26Mg12 + 3 D* --> 30Si14 + 2H1 + 34.490 MeV [19.250 MeV] (A_Mg:200)

26Mg12 + 4 D* --> 17O8 + 17O8 + 37.946 MeV [16.610 MeV] (A_Mg:201)
26Mg12 + 4 D* --> 18O8 + 16O8 + 41.847 MeV [20.511 MeV] (A_Mg:202)
26Mg12 + 4 D* --> 19F9 + 15N7 + 37.714 MeV [16.378 MeV] (A_Mg:203)
26Mg12 + 4 D* --> 21Ne10 + 13C6 + 38.935 MeV [17.599 MeV] (A_Mg:204)
26Mg12 + 4 D* --> 22Ne10 + 12C6 + 44.353 MeV [23.017 MeV] (A_Mg:205)
26Mg12 + 4 D* --> 23Na11 + 11B5 + 37.190 MeV [15.854 MeV] (A_Mg:206)
26Mg12 + 4 D* --> 25Mg12 + 9Be4 + 38.173 MeV [16.838 MeV] (A_Mg:207)
26Mg12 + 4 D* --> 27Al13 + 7Li3 + 38.617 MeV [17.281 MeV] (A_Mg:208)
26Mg12 + 4 D* --> 30Si14 + 4He2 + 58.336 MeV [37.000 MeV] (A_Mg:209)
26Mg12 + 4 D* --> 34S16 + 66.260 MeV [44.924 MeV] (A_Mg:210)

26Mg12 + 5 D* --> 19F9 + 17O8 + 51.760 MeV [23.849 MeV] (A_Mg:211)
26Mg12 + 5 D* --> 21Ne10 + 15N7 + 55.094 MeV [27.183 MeV] (A_Mg:212)
26Mg12 + 5 D* --> 22Ne10 + 14N7 + 54.625 MeV [26.714 MeV] (A_Mg:213)
26Mg12 + 5 D* --> 23Na11 + 13C6 + 55.869 MeV [27.958 MeV] (A_Mg:214)
26Mg12 + 5 D* --> 25Mg12 + 11B5 + 53.989 MeV [26.078 MeV] (A_Mg:215)
26Mg12 + 5 D* --> 26Mg12 + 10B5 + 53.628 MeV [25.717 MeV] (A_Mg:216)
26Mg12 + 5 D* --> 27Al13 + 9Be4 + 55.313 MeV [27.402 MeV] (A_Mg:217)
26Mg12 + 5 D* --> 29Si14 + 7Li3 + 56.451 MeV [28.540 MeV] (A_Mg:218)
26Mg12 + 5 D* --> 30Si14 + 6Li3 + 59.810 MeV [31.899 MeV] (A_Mg:219)
26Mg12 + 5 D* --> 34S16 + 2H1 + 66.260 MeV [38.349 MeV] (A_Mg:220)

26Mg12 + 6 D* --> 19F9 + 19F9 + 65.575 MeV [30.624 MeV] (A_Mg:221)
26Mg12 + 6 D* --> 20Ne10 + 18O8 + 70.423 MeV [35.472 MeV] (A_Mg:222)
26Mg12 + 6 D* --> 21Ne10 + 17O8 + 69.140 MeV [34.189 MeV] (A_Mg:223)
26Mg12 + 6 D* --> 22Ne10 + 16O8 + 75.361 MeV [40.411 MeV] (A_Mg:224)
26Mg12 + 6 D* --> 23Na11 + 15N7 + 72.028 MeV [37.077 MeV] (A_Mg:225)
26Mg12 + 6 D* --> 25Mg12 + 13C6 + 72.668 MeV [37.717 MeV] (A_Mg:226)
26Mg12 + 6 D* --> 26Mg12 + 12C6 + 78.814 MeV [43.863 MeV] (A_Mg:227)
26Mg12 + 6 D* --> 27Al13 + 11B5 + 71.128 MeV [36.178 MeV] (A_Mg:228)
26Mg12 + 6 D* --> 29Si14 + 9Be4 + 73.147 MeV [38.196 MeV] (A_Mg:229)

26Mg12 + 6 D* --> 31P15 + 7Li3 + 72.132 MeV [37.182 MeV] (A_Mg:230)
26Mg12 + 6 D* --> 34S16 + 4He2 + 90.107 MeV [55.156 MeV] (A_Mg:231)
26Mg12 + 6 D* --> 37Cl17 + 1H1 + 87.072 MeV [52.121 MeV] (A_Mg:232)
26Mg12 + 6 D* --> 38Ar18 + 97.314 MeV [62.363 MeV] (A_Mg:233)

26Mg12 + 7 D* --> 21Ne10 + 19F9 + 82.955 MeV [40.512 MeV] (A_Mg:234)
26Mg12 + 7 D* --> 23Na11 + 17O8 + 86.074 MeV [43.631 MeV] (A_Mg:235)
26Mg12 + 7 D* --> 25Mg12 + 15N7 + 88.827 MeV [46.384 MeV] (A_Mg:236)
26Mg12 + 7 D* --> 26Mg12 + 14N7 + 89.087 MeV [46.644 MeV] (A_Mg:237)
26Mg12 + 7 D* --> 27Al13 + 13C6 + 89.807 MeV [47.364 MeV] (A_Mg:238)
26Mg12 + 7 D* --> 29Si14 + 11B5 + 88.963 MeV [46.520 MeV] (A_Mg:239)
26Mg12 + 7 D* --> 30Si14 + 10B5 + 88.118 MeV [45.675 MeV] (A_Mg:240)
26Mg12 + 7 D* --> 31P15 + 9Be4 + 88.829 MeV [46.386 MeV] (A_Mg:241)
26Mg12 + 7 D* --> 33S16 + 7Li3 + 87.413 MeV [44.971 MeV] (A_Mg:242)
26Mg12 + 7 D* --> 34S16 + 6Li3 + 91.580 MeV [49.138 MeV] (A_Mg:243)
26Mg12 + 7 D* --> 37Cl17 + 3He2 + 92.566 MeV [50.123 MeV] (A_Mg:244)
26Mg12 + 7 D* --> 38Ar18 + 2H1 + 97.314 MeV [54.872 MeV] (A_Mg:245)
26Mg12 + 7 D* --> 40K19 + 109.271 MeV [66.828 MeV] (A_Mg:246)

26Mg12 + 8 D* --> 21Ne10 + 21Ne10 + 100.335 MeV [49.960 MeV] (A_Mg:247)
26Mg12 + 8 D* --> 22Ne10 + 20Ne10 + 103.938 MeV [53.563 MeV] (A_Mg:248)
26Mg12 + 8 D* --> 23Na11 + 19F9 + 99.888 MeV [49.514 MeV] (A_Mg:249)
26Mg12 + 8 D* --> 24Mg12 + 18O8 + 103.586 MeV [53.212 MeV] (A_Mg:250)
26Mg12 + 8 D* --> 25Mg12 + 17O8 + 102.873 MeV [52.498 MeV] (A_Mg:251)
26Mg12 + 8 D* --> 26Mg12 + 16O8 + 109.823 MeV [59.448 MeV] (A_Mg:252)
26Mg12 + 8 D* --> 27Al13 + 15N7 + 105.966 MeV [55.592 MeV] (A_Mg:253)
26Mg12 + 8 D* --> 29Si14 + 13C6 + 107.641 MeV [57.266 MeV] (A_Mg:254)
26Mg12 + 8 D* --> 30Si14 + 12C6 + 113.304 MeV [62.929 MeV] (A_Mg:255)
26Mg12 + 8 D* --> 31P15 + 11B5 + 104.644 MeV [54.269 MeV] (A_Mg:256)
26Mg12 + 8 D* --> 33S16 + 9Be4 + 104.110 MeV [53.735 MeV] (A_Mg:257)
26Mg12 + 8 D* --> 35Cl17 + 7Li3 + 102.977 MeV [52.602 MeV] (A_Mg:258)
26Mg12 + 8 D* --> 38Ar18 + 4He2 + 121.161 MeV [70.786 MeV] (A_Mg:259)
26Mg12 + 8 D* --> 40K19 + 2H1 + 109.271 MeV [58.896 MeV] (A_Mg:260)
26Mg12 + 8 D* --> 41K19 + 1H1 + 117.141 MeV [66.767 MeV] (A_Mg:261)
26Mg12 + 8 D* --> 42Ca20 + 127.418 MeV [77.044 MeV] (A_Mg:262)

26Mg12 + 9 D* --> 23Na11 + 21Ne10 + 117.269 MeV [58.532 MeV] (A_Mg:263)
26Mg12 + 9 D* --> 25Mg12 + 19F9 + 116.687 MeV [57.951 MeV] (A_Mg:264)
26Mg12 + 9 D* --> 27Al13 + 17O8 + 120.012 MeV [61.276 MeV] (A_Mg:265)
26Mg12 + 9 D* --> 29Si14 + 15N7 + 123.801 MeV [65.064 MeV] (A_Mg:266)
26Mg12 + 9 D* --> 30Si14 + 14N7 + 123.576 MeV [64.840 MeV] (A_Mg:267)
26Mg12 + 9 D* --> 31P15 + 13C6 + 123.323 MeV [64.586 MeV] (A_Mg:268)
26Mg12 + 9 D* --> 33S16 + 11B5 + 119.925 MeV [61.189 MeV] (A_Mg:269)
26Mg12 + 9 D* --> 34S16 + 10B5 + 119.888 MeV [61.152 MeV] (A_Mg:270)
26Mg12 + 9 D* --> 35Cl17 + 9Be4 + 119.673 MeV [60.936 MeV] (A_Mg:271)
26Mg12 + 9 D* --> 38Ar18 + 6Li3 + 122.635 MeV [63.898 MeV] (A_Mg:272)
26Mg12 + 9 D* --> 40K19 + 4He2 + 133.117 MeV [74.381 MeV] (A_Mg:273)
26Mg12 + 9 D* --> 41K19 + 3He2 + 122.635 MeV [63.898 MeV] (A_Mg:274)
26Mg12 + 9 D* --> 42Ca20 + 2H1 + 127.418 MeV [68.682 MeV] (A_Mg:275)
26Mg12 + 9 D* --> 43Ca20 + 1H1 + 133.127 MeV [74.390 MeV] (A_Mg:276)

26Mg12 + 10 D* --> 23Na11 + 23Na11 + 134.202 MeV [66.684 MeV] (A_Mg:277)
26Mg12 + 10 D* --> 24Mg12 + 22Ne10 + 137.101 MeV [69.583 MeV] (A_Mg:278)
26Mg12 + 10 D* --> 25Mg12 + 21Ne10 + 134.067 MeV [66.549 MeV] (A_Mg:279)

26Mg12 + 10 D* --> 26Mg12 + 20Ne10 + 138.399 MeV [70.881 MeV] (A_Mg:280)
26Mg12 + 10 D* --> 27Al13 + 19F9 + 133.827 MeV [66.309 MeV] (A_Mg:281)
26Mg12 + 10 D* --> 28Si14 + 18O8 + 137.417 MeV [69.899 MeV] (A_Mg:282)
26Mg12 + 10 D* --> 29Si14 + 17O8 + 137.846 MeV [70.329 MeV] (A_Mg:283)
26Mg12 + 10 D* --> 30Si14 + 16O8 + 144.313 MeV [76.795 MeV] (A_Mg:284)
26Mg12 + 10 D* --> 31P15 + 15N7 + 139.482 MeV [71.964 MeV] (A_Mg:285)
26Mg12 + 10 D* --> 33S16 + 13C6 + 138.604 MeV [71.086 MeV] (A_Mg:286)
26Mg12 + 10 D* --> 34S16 + 12C6 + 145.074 MeV [77.556 MeV] (A_Mg:287)
26Mg12 + 10 D* --> 35Cl17 + 11B5 + 135.488 MeV [67.970 MeV] (A_Mg:288)
26Mg12 + 10 D* --> 39K19 + 7Li3 + 134.042 MeV [66.524 MeV] (A_Mg:289)
26Mg12 + 10 D* --> 40K19 + 6Li3 + 134.591 MeV [67.073 MeV] (A_Mg:290)
26Mg12 + 10 D* --> 42Ca20 + 4He2 + 151.265 MeV [83.747 MeV] (A_Mg:291)
26Mg12 + 10 D* --> 43Ca20 + 3He2 + 138.620 MeV [71.102 MeV] (A_Mg:292)
26Mg12 + 10 D* --> 45Sc21 + 1H1 + 148.921 MeV [81.404 MeV] (A_Mg:293)
26Mg12 + 10 D* --> 46Ti22 + 159.266 MeV [91.748 MeV] (A_Mg:294)

26Mg12 + 11 D* --> 25Mg12 + 23Na11 + 151.001 MeV [74.291 MeV] (A_Mg:295)
26Mg12 + 11 D* --> 27Al13 + 21Ne10 + 151.207 MeV [74.496 MeV] (A_Mg:296)
26Mg12 + 11 D* --> 29Si14 + 19F9 + 151.661 MeV [74.950 MeV] (A_Mg:297)
26Mg12 + 11 D* --> 31P15 + 17O8 + 153.528 MeV [76.818 MeV] (A_Mg:298)
26Mg12 + 11 D* --> 33S16 + 15N7 + 154.763 MeV [78.053 MeV] (A_Mg:299)
26Mg12 + 11 D* --> 34S16 + 14N7 + 155.347 MeV [78.636 MeV] (A_Mg:300)
26Mg12 + 11 D* --> 35Cl17 + 13C6 + 154.167 MeV [77.457 MeV] (A_Mg:301)
26Mg12 + 11 D* --> 38Ar18 + 10B5 + 150.942 MeV [74.232 MeV] (A_Mg:302)
26Mg12 + 11 D* --> 39K19 + 9Be4 + 150.738 MeV [74.027 MeV] (A_Mg:303)
26Mg12 + 11 D* --> 42Ca20 + 6Li3 + 152.739 MeV [76.028 MeV] (A_Mg:304)
26Mg12 + 11 D* --> 45Sc21 + 3He2 + 154.415 MeV [77.705 MeV] (A_Mg:305)
26Mg12 + 11 D* --> 46Ti22 + 2H1 + 159.266 MeV [82.556 MeV] (A_Mg:306)
26Mg12 + 11 D* --> 47Ti22 + 1H1 + 165.922 MeV [89.211 MeV] (A_Mg:307)

26Mg12 + 12 D* --> 25Mg12 + 25Mg12 + 167.800 MeV [81.494 MeV] (A_Mg:308)
26Mg12 + 12 D* --> 26Mg12 + 24Mg12 + 171.562 MeV [85.257 MeV] (A_Mg:309)
26Mg12 + 12 D* --> 27Al13 + 23Na11 + 168.141 MeV [81.835 MeV] (A_Mg:310)
26Mg12 + 12 D* --> 28Si14 + 22Ne10 + 170.932 MeV [84.626 MeV] (A_Mg:311)
26Mg12 + 12 D* --> 29Si14 + 21Ne10 + 169.041 MeV [82.735 MeV] (A_Mg:312)
26Mg12 + 12 D* --> 30Si14 + 20Ne10 + 172.889 MeV [86.583 MeV] (A_Mg:313)
26Mg12 + 12 D* --> 31P15 + 19F9 + 167.342 MeV [81.037 MeV] (A_Mg:314)
26Mg12 + 12 D* --> 32S16 + 18O8 + 168.211 MeV [81.906 MeV] (A_Mg:315)
26Mg12 + 12 D* --> 33S16 + 17O8 + 168.809 MeV [82.503 MeV] (A_Mg:316)
26Mg12 + 12 D* --> 34S16 + 16O8 + 176.083 MeV [89.777 MeV] (A_Mg:317)
26Mg12 + 12 D* --> 35Cl17 + 15N7 + 170.326 MeV [84.021 MeV] (A_Mg:318)
26Mg12 + 12 D* --> 38Ar18 + 12C6 + 176.129 MeV [89.823 MeV] (A_Mg:319)
26Mg12 + 12 D* --> 39K19 + 11B5 + 166.553 MeV [80.248 MeV] (A_Mg:320)
26Mg12 + 12 D* --> 40K19 + 10B5 + 162.899 MeV [76.593 MeV] (A_Mg:321)
26Mg12 + 12 D* --> 46Ti22 + 4He2 + 183.113 MeV [96.807 MeV] (A_Mg:322)
26Mg12 + 12 D* --> 47Ti22 + 3He2 + 171.415 MeV [85.110 MeV] (A_Mg:323)
26Mg12 + 12 D* --> 50Cr24 + 191.674 MeV [105.368 MeV] (A_Mg:324)

---------- Equations follow for Aluminum, Al, element 13 ----------

27Al13 + D* --> 25Mg12 + 4He2 + 6.707 MeV [1.832 MeV] (A_Al:1)
27Al13 + D* --> 29Si14 + 17.834 MeV [12.960 MeV] (A_Al:2)

27Al13 + 2 D* --> 16O8 + 15N7 + 13.710 MeV [3.442 MeV] (A_Al:3)

27Al13 + 2 D* --> 17O8 + 14N7 + 7.020 MeV [-3.248 MeV] (A_Al:4)
27Al13 + 2 D* --> 19F9 + 12C6 + 10.562 MeV [00.294 MeV] (A_Al:5)
27Al13 + 2 D* --> 20Ne10 + 11B5 + 7.449 MeV [-2.819 MeV] (A_Al:6)
27Al13 + 2 D* --> 21Ne10 + 10B5 + 2.756 MeV [-7.512 MeV] (A_Al:7)
27Al13 + 2 D* --> 24Mg12 + 7Li3 + 8.100 MeV [-2.168 MeV] (A_Al:8)
27Al13 + 2 D* --> 25Mg12 + 6Li3 + 8.181 MeV [-2.087 MeV] (A_Al:9)
27Al13 + 2 D* --> 27Al13 + 4He2 + 23.847 MeV [13.578 MeV] (A_Al:10)
27Al13 + 2 D* --> 29Si14 + 2H1 + 17.834 MeV [7.566 MeV] (A_Al:11)
27Al13 + 2 D* --> 30Si14 + 1H1 + 26.219 MeV [15.951 MeV] (A_Al:12)
27Al13 + 2 D* --> 31P15 + 33.516 MeV [23.248 MeV] (A_Al:13)

27Al13 + 3 D* --> 17O8 + 16O8 + 27.756 MeV [11.594 MeV] (A_Al:14)
27Al13 + 3 D* --> 19F9 + 14N7 + 20.834 MeV [4.673 MeV] (A_Al:15)
27Al13 + 3 D* --> 20Ne10 + 13C6 + 26.127 MeV [9.965 MeV] (A_Al:16)
27Al13 + 3 D* --> 21Ne10 + 12C6 + 27.942 MeV [11.780 MeV] (A_Al:17)
27Al13 + 3 D* --> 23Na11 + 10B5 + 19.690 MeV [3.528 MeV] (A_Al:18)
27Al13 + 3 D* --> 24Mg12 + 9Be4 + 24.796 MeV [8.634 MeV] (A_Al:19)
27Al13 + 3 D* --> 27Al13 + 6Li3 + 25.320 MeV [9.158 MeV] (A_Al:20)
27Al13 + 3 D* --> 29Si14 + 4He2 + 41.681 MeV [25.519 MeV] (A_Al:21)
27Al13 + 3 D* --> 30Si14 + 3He2 + 31.712 MeV [15.550 MeV] (A_Al:22)
27Al13 + 3 D* --> 31P15 + 2H1 + 33.516 MeV [17.354 MeV] (A_Al:23)
27Al13 + 3 D* --> 33S16 + 48.797 MeV [32.635 MeV] (A_Al:24)

27Al13 + 4 D* --> 19F9 + 16O8 + 41.571 MeV [19.031 MeV] (A_Al:25)
27Al13 + 4 D* --> 20Ne10 + 15N7 + 42.287 MeV [19.747 MeV] (A_Al:26)
27Al13 + 4 D* --> 21Ne10 + 14N7 + 38.215 MeV [15.675 MeV] (A_Al:27)
27Al13 + 4 D* --> 23Na11 + 12C6 + 44.876 MeV [22.337 MeV] (A_Al:28)
27Al13 + 4 D* --> 24Mg12 + 11B5 + 40.612 MeV [18.072 MeV] (A_Al:29)
27Al13 + 4 D* --> 25Mg12 + 10B5 + 36.488 MeV [13.949 MeV] (A_Al:30)
27Al13 + 4 D* --> 28Si14 + 7Li3 + 41.931 MeV [19.391 MeV] (A_Al:31)
27Al13 + 4 D* --> 29Si14 + 6Li3 + 43.154 MeV [20.615 MeV] (A_Al:32)
27Al13 + 4 D* --> 31P15 + 4He2 + 57.362 MeV [34.823 MeV] (A_Al:33)
27Al13 + 4 D* --> 33S16 + 2H1 + 48.797 MeV [26.257 MeV] (A_Al:34)
27Al13 + 4 D* --> 34S16 + 1H1 + 57.989 MeV [35.450 MeV] (A_Al:35)
27Al13 + 4 D* --> 35Cl17 + 64.360 MeV [41.820 MeV] (A_Al:36)

27Al13 + 5 D* --> 20Ne10 + 17O8 + 56.333 MeV [26.947 MeV] (A_Al:37)
27Al13 + 5 D* --> 21Ne10 + 16O8 + 58.951 MeV [29.565 MeV] (A_Al:38)
27Al13 + 5 D* --> 23Na11 + 14N7 + 55.148 MeV [25.763 MeV] (A_Al:39)
27Al13 + 5 D* --> 24Mg12 + 13C6 + 59.291 MeV [29.905 MeV] (A_Al:40)
27Al13 + 5 D* --> 25Mg12 + 12C6 + 61.675 MeV [32.289 MeV] (A_Al:41)
27Al13 + 5 D* --> 27Al13 + 10B5 + 53.628 MeV [24.242 MeV] (A_Al:42)
27Al13 + 5 D* --> 28Si14 + 9Be4 + 58.627 MeV [29.241 MeV] (A_Al:43)
27Al13 + 5 D* --> 31P15 + 6Li3 + 58.836 MeV [29.450 MeV] (A_Al:44)
27Al13 + 5 D* --> 33S16 + 4He2 + 72.643 MeV [43.257 MeV] (A_Al:45)
27Al13 + 5 D* --> 34S16 + 3He2 + 63.483 MeV [34.097 MeV] (A_Al:46)
27Al13 + 5 D* --> 35Cl17 + 2H1 + 64.360 MeV [34.974 MeV] (A_Al:47)

27Al13 + 6 D* --> 20Ne10 + 19F9 + 70.147 MeV [33.459 MeV] (A_Al:48)
27Al13 + 6 D* --> 23Na11 + 16O8 + 75.885 MeV [39.197 MeV] (A_Al:49)
27Al13 + 6 D* --> 24Mg12 + 15N7 + 75.450 MeV [38.762 MeV] (A_Al:50)
27Al13 + 6 D* --> 25Mg12 + 14N7 + 71.947 MeV [35.259 MeV] (A_Al:51)
27Al13 + 6 D* --> 27Al13 + 12C6 + 78.814 MeV [42.127 MeV] (A_Al:52)
27Al13 + 6 D* --> 28Si14 + 11B5 + 74.443 MeV [37.755 MeV] (A_Al:53)

27Al13 + 6 D* --> 29Si14 + 10B5 + 71.462 MeV [34.774 MeV] (A_Al:54)
27Al13 + 6 D* --> 32S16 + 7Li3 + 72.725 MeV [36.037 MeV] (A_Al:55)
27Al13 + 6 D* --> 33S16 + 6Li3 + 74.117 MeV [37.429 MeV] (A_Al:56)
27Al13 + 6 D* --> 35Cl17 + 4He2 + 88.206 MeV [51.519 MeV] (A_Al:57)
27Al13 + 6 D* --> 38Ar18 + 1H1 + 89.043 MeV [52.355 MeV] (A_Al:58)
27Al13 + 6 D* --> 39K19 + 95.425 MeV [58.737 MeV] (A_Al:59)

27Al13 + 7 D* --> 21Ne10 + 20Ne10 + 87.527 MeV [43.094 MeV] (A_Al:60)
27Al13 + 7 D* --> 24Mg12 + 17O8 + 89.496 MeV [45.062 MeV] (A_Al:61)
27Al13 + 7 D* --> 25Mg12 + 16O8 + 92.683 MeV [48.250 MeV] (A_Al:62)
27Al13 + 7 D* --> 27Al13 + 14N7 + 89.087 MeV [44.653 MeV] (A_Al:63)
27Al13 + 7 D* --> 28Si14 + 13C6 + 93.121 MeV [48.688 MeV] (A_Al:64)
27Al13 + 7 D* --> 29Si14 + 12C6 + 96.648 MeV [52.215 MeV] (A_Al:65)
27Al13 + 7 D* --> 31P15 + 10B5 + 87.144 MeV [42.710 MeV] (A_Al:66)
27Al13 + 7 D* --> 32S16 + 9Be4 + 89.421 MeV [44.988 MeV] (A_Al:67)
27Al13 + 7 D* --> 35Cl17 + 6Li3 + 89.680 MeV [45.247 MeV] (A_Al:68)
27Al13 + 7 D* --> 38Ar18 + 3He2 + 94.537 MeV [50.103 MeV] (A_Al:69)
27Al13 + 7 D* --> 39K19 + 2H1 + 95.425 MeV [50.991 MeV] (A_Al:70)
27Al13 + 7 D* --> 40K19 + 1H1 + 101.000 MeV [56.566 MeV] (A_Al:71)

27Al13 + 8 D* --> 23Na11 + 20Ne10 + 104.461 MeV [51.849 MeV] (A_Al:72)
27Al13 + 8 D* --> 24Mg12 + 19F9 + 103.310 MeV [50.698 MeV] (A_Al:73)
27Al13 + 8 D* --> 27Al13 + 16O8 + 109.823 MeV [57.211 MeV] (A_Al:74)
27Al13 + 8 D* --> 28Si14 + 15N7 + 109.280 MeV [56.669 MeV] (A_Al:75)
27Al13 + 8 D* --> 29Si14 + 14N7 + 106.921 MeV [54.309 MeV] (A_Al:76)
27Al13 + 8 D* --> 31P15 + 12C6 + 112.330 MeV [59.718 MeV] (A_Al:77)
27Al13 + 8 D* --> 32S16 + 11B5 + 105.237 MeV [52.625 MeV] (A_Al:78)
27Al13 + 8 D* --> 33S16 + 10B5 + 102.424 MeV [49.813 MeV] (A_Al:79)
27Al13 + 8 D* --> 36Ar18 + 7Li3 + 103.213 MeV [50.601 MeV] (A_Al:80)
27Al13 + 8 D* --> 39K19 + 4He2 + 119.271 MeV [66.659 MeV] (A_Al:81)
27Al13 + 8 D* --> 40K19 + 3He2 + 106.493 MeV [53.881 MeV] (A_Al:82)
27Al13 + 8 D* --> 42Ca20 + 1H1 + 119.147 MeV [66.535 MeV] (A_Al:83)

27Al13 + 9 D* --> 24Mg12 + 21Ne10 + 120.690 MeV [59.477 MeV] (A_Al:84)
27Al13 + 9 D* --> 25Mg12 + 20Ne10 + 121.260 MeV [60.047 MeV] (A_Al:85)
27Al13 + 9 D* --> 28Si14 + 17O8 + 123.326 MeV [62.113 MeV] (A_Al:86)
27Al13 + 9 D* --> 29Si14 + 16O8 + 127.657 MeV [66.444 MeV] (A_Al:87)
27Al13 + 9 D* --> 31P15 + 14N7 + 122.602 MeV [61.389 MeV] (A_Al:88)
27Al13 + 9 D* --> 32S16 + 13C6 + 123.916 MeV [62.703 MeV] (A_Al:89)
27Al13 + 9 D* --> 33S16 + 12C6 + 127.611 MeV [66.398 MeV] (A_Al:90)
27Al13 + 9 D* --> 35Cl17 + 10B5 + 117.988 MeV [56.775 MeV] (A_Al:91)
27Al13 + 9 D* --> 36Ar18 + 9Be4 + 119.909 MeV [58.696 MeV] (A_Al:92)
27Al13 + 9 D* --> 39K19 + 6Li3 + 120.745 MeV [59.532 MeV] (A_Al:93)
27Al13 + 9 D* --> 42Ca20 + 3He2 + 124.641 MeV [63.428 MeV] (A_Al:94)

27Al13 + 10 D* --> 24Mg12 + 23Na11 + 137.624 MeV [67.396 MeV] (A_Al:95)
27Al13 + 10 D* --> 27Al13 + 20Ne10 + 138.399 MeV [68.171 MeV] (A_Al:96)
27Al13 + 10 D* --> 28Si14 + 19F9 + 137.141 MeV [66.913 MeV] (A_Al:97)
27Al13 + 10 D* --> 31P15 + 16O8 + 143.338 MeV [73.111 MeV] (A_Al:98)
27Al13 + 10 D* --> 32S16 + 15N7 + 140.075 MeV [69.847 MeV] (A_Al:99)
27Al13 + 10 D* --> 33S16 + 14N7 + 137.883 MeV [67.655 MeV] (A_Al:100)
27Al13 + 10 D* --> 35Cl17 + 12C6 + 143.174 MeV [72.946 MeV] (A_Al:101)
27Al13 + 10 D* --> 36Ar18 + 11B5 + 135.724 MeV [65.496 MeV] (A_Al:102)
27Al13 + 10 D* --> 40Ca20 + 7Li3 + 134.099 MeV [63.871 MeV] (A_Al:103)

27Al13 + 10 D* --> 46Ti22 + 1H1 + 150.995 MeV [80.767 MeV] (A_Al:104)

27Al13 + 11 D* --> 25Mg12 + 24Mg12 + 154.423 MeV [74.775 MeV] (A_Al:105)
27Al13 + 11 D* --> 28Si14 + 21Ne10 + 154.521 MeV [74.873 MeV] (A_Al:106)
27Al13 + 11 D* --> 29Si14 + 20Ne10 + 156.233 MeV [76.585 MeV] (A_Al:107)
27Al13 + 11 D* --> 32S16 + 17O8 + 154.121 MeV [74.473 MeV] (A_Al:108)
27Al13 + 11 D* --> 33S16 + 16O8 + 158.619 MeV [78.971 MeV] (A_Al:109)
27Al13 + 11 D* --> 35Cl17 + 14N7 + 153.446 MeV [73.799 MeV] (A_Al:110)
27Al13 + 11 D* --> 36Ar18 + 13C6 + 154.403 MeV [74.755 MeV] (A_Al:111)
27Al13 + 11 D* --> 39K19 + 10B5 + 149.053 MeV [69.405 MeV] (A_Al:112)
27Al13 + 11 D* --> 40Ca20 + 9Be4 + 150.795 MeV [71.147 MeV] (A_Al:113)
27Al13 + 11 D* --> 46Ti22 + 3He2 + 156.488 MeV [76.841 MeV] (A_Al:114)

27Al13 + 12 D* --> 27Al13 + 24Mg12 + 171.562 MeV [82.097 MeV] (A_Al:115)
27Al13 + 12 D* --> 28Si14 + 23Na11 + 171.455 MeV [81.989 MeV] (A_Al:116)
27Al13 + 12 D* --> 31P15 + 20Ne10 + 171.915 MeV [82.449 MeV] (A_Al:117)
27Al13 + 12 D* --> 32S16 + 19F9 + 167.935 MeV [78.470 MeV] (A_Al:118)
27Al13 + 12 D* --> 35Cl17 + 16O8 + 174.183 MeV [84.717 MeV] (A_Al:119)
27Al13 + 12 D* --> 36Ar18 + 15N7 + 170.562 MeV [81.097 MeV] (A_Al:120)
27Al13 + 12 D* --> 39K19 + 12C6 + 174.239 MeV [84.774 MeV] (A_Al:121)
27Al13 + 12 D* --> 40Ca20 + 11B5 + 166.610 MeV [77.145 MeV] (A_Al:122)
27Al13 + 12 D* --> 50Cr24 + 1H1 + 183.403 MeV [93.937 MeV] (A_Al:123)

---------- Equations follow for Silicon, Si, element 14 ----------

28Si14 + D* --> 29Si14 + 1H1 + 6.249 MeV [1.059 MeV] (A_Si:1)

28Si14 + 2 D* --> 16O8 + 16O8 + 14.253 MeV [3.367 MeV] (A_Si:2)
28Si14 + 2 D* --> 20Ne10 + 12C6 + 11.821 MeV [00.935 MeV] (A_Si:3)
28Si14 + 2 D* --> 28Si14 + 4He2 + 23.847 MeV [12.961 MeV] (A_Si:4)
28Si14 + 2 D* --> 29Si14 + 3He2 + 11.742 MeV [00.857 MeV] (A_Si:5)
28Si14 + 2 D* --> 31P15 + 1H1 + 21.931 MeV [11.045 MeV] (A_Si:6)
28Si14 + 2 D* --> 32S16 + 30.794 MeV [19.909 MeV] (A_Si:7)

28Si14 + 3 D* --> 20Ne10 + 14N7 + 22.093 MeV [5.024 MeV] (A_Si:8)
28Si14 + 3 D* --> 24Mg12 + 10B5 + 19.797 MeV [2.728 MeV] (A_Si:9)
28Si14 + 3 D* --> 28Si14 + 6Li3 + 25.320 MeV [8.252 MeV] (A_Si:10)
28Si14 + 3 D* --> 31P15 + 3He2 + 27.424 MeV [10.355 MeV] (A_Si:11)
28Si14 + 3 D* --> 32S16 + 2H1 + 30.794 MeV [13.726 MeV] (A_Si:12)
28Si14 + 3 D* --> 33S16 + 1H1 + 37.211 MeV [20.143 MeV] (A_Si:13)

28Si14 + 4 D* --> 20Ne10 + 16O8 + 42.829 MeV [19.105 MeV] (A_Si:14)
28Si14 + 4 D* --> 24Mg12 + 12C6 + 44.984 MeV [21.259 MeV] (A_Si:15)
28Si14 + 4 D* --> 32S16 + 4He2 + 54.641 MeV [30.917 MeV] (A_Si:16)
28Si14 + 4 D* --> 33S16 + 3He2 + 42.705 MeV [18.981 MeV] (A_Si:17)
28Si14 + 4 D* --> 35Cl17 + 1H1 + 52.775 MeV [29.050 MeV] (A_Si:18)
28Si14 + 4 D* --> 36Ar18 + 61.282 MeV [37.557 MeV] (A_Si:19)

28Si14 + 5 D* --> 24Mg12 + 14N7 + 55.256 MeV [24.417 MeV] (A_Si:20)
28Si14 + 5 D* --> 28Si14 + 10B5 + 53.628 MeV [22.789 MeV] (A_Si:21)
28Si14 + 5 D* --> 32S16 + 6Li3 + 56.115 MeV [25.276 MeV] (A_Si:22)
28Si14 + 5 D* --> 35Cl17 + 3He2 + 58.268 MeV [27.429 MeV] (A_Si:23)
28Si14 + 5 D* --> 36Ar18 + 2H1 + 61.282 MeV [30.443 MeV] (A_Si:24)

28Si14 + 6 D* --> 20Ne10 + 20Ne10 + 71.405 MeV [33.005 MeV] (A_Si:25)
28Si14 + 6 D* --> 24Mg12 + 16O8 + 75.992 MeV [37.592 MeV] (A_Si:26)
28Si14 + 6 D* --> 28Si14 + 12C6 + 78.814 MeV [40.414 MeV] (A_Si:27)
28Si14 + 6 D* --> 36Ar18 + 4He2 + 85.128 MeV [46.728 MeV] (A_Si:28)
28Si14 + 6 D* --> 39K19 + 1H1 + 83.840 MeV [45.439 MeV] (A_Si:29)
28Si14 + 6 D* --> 40Ca20 + 92.168 MeV [53.767 MeV] (A_Si:30)

28Si14 + 7 D* --> 28Si14 + 14N7 + 89.087 MeV [42.689 MeV] (A_Si:31)
28Si14 + 7 D* --> 32S16 + 10B5 + 84.422 MeV [38.024 MeV] (A_Si:32)
28Si14 + 7 D* --> 36Ar18 + 6Li3 + 86.602 MeV [40.204 MeV] (A_Si:33)
28Si14 + 7 D* --> 39K19 + 3He2 + 89.333 MeV [42.935 MeV] (A_Si:34)
28Si14 + 7 D* --> 40Ca20 + 2H1 + 92.168 MeV [45.770 MeV] (A_Si:35)

28Si14 + 8 D* --> 24Mg12 + 20Ne10 + 104.568 MeV [49.748 MeV] (A_Si:36)
28Si14 + 8 D* --> 28Si14 + 16O8 + 109.823 MeV [55.002 MeV] (A_Si:37)
28Si14 + 8 D* --> 32S16 + 12C6 + 109.609 MeV [54.788 MeV] (A_Si:38)
28Si14 + 8 D* --> 40Ca20 + 4He2 + 116.014 MeV [61.194 MeV] (A_Si:39)

28Si14 + 9 D* --> 32S16 + 14N7 + 119.881 MeV [56.221 MeV] (A_Si:40)
28Si14 + 9 D* --> 36Ar18 + 10B5 + 114.910 MeV [51.250 MeV] (A_Si:41)
28Si14 + 9 D* --> 40Ca20 + 6Li3 + 117.488 MeV [53.828 MeV] (A_Si:42)

28Si14 + 10 D* --> 24Mg12 + 24Mg12 + 137.732 MeV [64.825 MeV] (A_Si:43)
28Si14 + 10 D* --> 28Si14 + 20Ne10 + 138.399 MeV [65.493 MeV] (A_Si:44)
28Si14 + 10 D* --> 32S16 + 16O8 + 140.617 MeV [67.711 MeV] (A_Si:45)
28Si14 + 10 D* --> 36Ar18 + 12C6 + 140.096 MeV [67.189 MeV] (A_Si:46)

28Si14 + 11 D* --> 36Ar18 + 14N7 + 150.368 MeV [67.815 MeV] (A_Si:47)
28Si14 + 11 D* --> 40Ca20 + 10B5 + 145.796 MeV [63.243 MeV] (A_Si:48)

28Si14 + 12 D* --> 28Si14 + 24Mg12 + 171.562 MeV [78.970 MeV] (A_Si:49)
28Si14 + 12 D* --> 32S16 + 20Ne10 + 169.193 MeV [76.602 MeV] (A_Si:50)
28Si14 + 12 D* --> 36Ar18 + 16O8 + 171.104 MeV [78.513 MeV] (A_Si:51)
28Si14 + 12 D* --> 40Ca20 + 12C6 + 170.982 MeV [78.390 MeV] (A_Si:52)

29Si14 + D* --> 27Al13 + 4He2 + 6.012 MeV [00.878 MeV] (A_Si:53)
29Si14 + D* --> 30Si14 + 1H1 + 8.385 MeV [3.251 MeV] (A_Si:54)
29Si14 + D* --> 31P15 + 15.682 MeV [10.548 MeV] (A_Si:55)

29Si14 + 2 D* --> 17O8 + 16O8 + 9.922 MeV [-0.852 MeV] (A_Si:56)
29Si14 + 2 D* --> 19F9 + 14N7 + 3.000 MeV [-7.774 MeV] (A_Si:57)
29Si14 + 2 D* --> 20Ne10 + 13C6 + 8.293 MeV [-2.481 MeV] (A_Si:58)
29Si14 + 2 D* --> 21Ne10 + 12C6 + 10.108 MeV [-0.666 MeV] (A_Si:59)
29Si14 + 2 D* --> 23Na11 + 10B5 + 1.856 MeV [-8.919 MeV] (A_Si:60)
29Si14 + 2 D* --> 24Mg12 + 9Be4 + 6.962 MeV [-3.812 MeV] (A_Si:61)
29Si14 + 2 D* --> 27Al13 + 6Li3 + 7.486 MeV [-3.288 MeV] (A_Si:62)
29Si14 + 2 D* --> 29Si14 + 4He2 + 23.847 MeV [13.072 MeV] (A_Si:63)
29Si14 + 2 D* --> 30Si14 + 3He2 + 13.878 MeV [3.103 MeV] (A_Si:64)
29Si14 + 2 D* --> 31P15 + 2H1 + 15.682 MeV [4.907 MeV] (A_Si:65)
29Si14 + 2 D* --> 33S16 + 30.962 MeV [20.188 MeV] (A_Si:66)

29Si14 + 3 D* --> 19F9 + 16O8 + 23.737 MeV [6.832 MeV] (A_Si:67)
29Si14 + 3 D* --> 20Ne10 + 15N7 + 24.453 MeV [7.548 MeV] (A_Si:68)
29Si14 + 3 D* --> 21Ne10 + 14N7 + 20.380 MeV [3.476 MeV] (A_Si:69)

29Si14 + 3 D* --> 23Na11 + 12C6 + 27.042 MeV [10.137 MeV] (A_Si:70)
29Si14 + 3 D* --> 24Mg12 + 11B5 + 22.778 MeV [5.873 MeV] (A_Si:71)
29Si14 + 3 D* --> 25Mg12 + 10B5 + 18.654 MeV [1.750 MeV] (A_Si:72)
29Si14 + 3 D* --> 28Si14 + 7Li3 + 24.097 MeV [7.192 MeV] (A_Si:73)
29Si14 + 3 D* --> 29Si14 + 6Li3 + 25.320 MeV [8.416 MeV] (A_Si:74)
29Si14 + 3 D* --> 31P15 + 4He2 + 39.528 MeV [22.624 MeV] (A_Si:75)
29Si14 + 3 D* --> 33S16 + 2H1 + 30.962 MeV [14.058 MeV] (A_Si:76)
29Si14 + 3 D* --> 34S16 + 1H1 + 40.155 MeV [23.250 MeV] (A_Si:77)
29Si14 + 3 D* --> 35Cl17 + 46.526 MeV [29.621 MeV] (A_Si:78)

29Si14 + 4 D* --> 20Ne10 + 17O8 + 38.499 MeV [14.990 MeV] (A_Si:79)
29Si14 + 4 D* --> 21Ne10 + 16O8 + 41.117 MeV [17.608 MeV] (A_Si:80)
29Si14 + 4 D* --> 23Na11 + 14N7 + 37.314 MeV [13.806 MeV] (A_Si:81)
29Si14 + 4 D* --> 24Mg12 + 13C6 + 41.456 MeV [17.948 MeV] (A_Si:82)
29Si14 + 4 D* --> 25Mg12 + 12C6 + 43.841 MeV [20.332 MeV] (A_Si:83)
29Si14 + 4 D* --> 27Al13 + 10B5 + 35.794 MeV [12.285 MeV] (A_Si:84)
29Si14 + 4 D* --> 28Si14 + 9Be4 + 40.793 MeV [17.284 MeV] (A_Si:85)
29Si14 + 4 D* --> 31P15 + 6Li3 + 41.002 MeV [17.493 MeV] (A_Si:86)
29Si14 + 4 D* --> 33S16 + 4He2 + 54.809 MeV [31.300 MeV] (A_Si:87)
29Si14 + 4 D* --> 34S16 + 3He2 + 45.648 MeV [22.140 MeV] (A_Si:88)
29Si14 + 4 D* --> 35Cl17 + 2H1 + 46.526 MeV [23.017 MeV] (A_Si:89)

29Si14 + 5 D* --> 20Ne10 + 19F9 + 52.313 MeV [21.740 MeV] (A_Si:90)
29Si14 + 5 D* --> 23Na11 + 16O8 + 58.050 MeV [27.477 MeV] (A_Si:91)
29Si14 + 5 D* --> 24Mg12 + 15N7 + 57.616 MeV [27.043 MeV] (A_Si:92)
29Si14 + 5 D* --> 25Mg12 + 14N7 + 54.113 MeV [23.540 MeV] (A_Si:93)
29Si14 + 5 D* --> 27Al13 + 12C6 + 60.980 MeV [30.407 MeV] (A_Si:94)
29Si14 + 5 D* --> 28Si14 + 11B5 + 56.608 MeV [26.035 MeV] (A_Si:95)
29Si14 + 5 D* --> 29Si14 + 10B5 + 53.628 MeV [23.055 MeV] (A_Si:96)
29Si14 + 5 D* --> 32S16 + 7Li3 + 54.891 MeV [24.318 MeV] (A_Si:97)
29Si14 + 5 D* --> 33S16 + 6Li3 + 56.283 MeV [25.710 MeV] (A_Si:98)
29Si14 + 5 D* --> 35Cl17 + 4He2 + 70.372 MeV [39.799 MeV] (A_Si:99)
29Si14 + 5 D* --> 38Ar18 + 1H1 + 71.209 MeV [40.636 MeV] (A_Si:100)
29Si14 + 5 D* --> 39K19 + 77.591 MeV [47.017 MeV] (A_Si:101)

29Si14 + 6 D* --> 21Ne10 + 20Ne10 + 69.693 MeV [31.607 MeV] (A_Si:102)
29Si14 + 6 D* --> 24Mg12 + 17O8 + 71.662 MeV [33.576 MeV] (A_Si:103)
29Si14 + 6 D* --> 25Mg12 + 16O8 + 74.849 MeV [36.763 MeV] (A_Si:104)
29Si14 + 6 D* --> 27Al13 + 14N7 + 71.253 MeV [33.167 MeV] (A_Si:105)
29Si14 + 6 D* --> 28Si14 + 13C6 + 75.287 MeV [37.201 MeV] (A_Si:106)
29Si14 + 6 D* --> 29Si14 + 12C6 + 78.814 MeV [40.729 MeV] (A_Si:107)
29Si14 + 6 D* --> 31P15 + 10B5 + 69.309 MeV [31.224 MeV] (A_Si:108)
29Si14 + 6 D* --> 32S16 + 9Be4 + 71.587 MeV [33.502 MeV] (A_Si:109)
29Si14 + 6 D* --> 35Cl17 + 6Li3 + 71.846 MeV [33.760 MeV] (A_Si:110)
29Si14 + 6 D* --> 38Ar18 + 3He2 + 76.703 MeV [38.617 MeV] (A_Si:111)
29Si14 + 6 D* --> 39K19 + 2H1 + 77.591 MeV [39.505 MeV] (A_Si:112)
29Si14 + 6 D* --> 40K19 + 1H1 + 83.166 MeV [45.080 MeV] (A_Si:113)

29Si14 + 7 D* --> 23Na11 + 20Ne10 + 86.627 MeV [40.591 MeV] (A_Si:114)
29Si14 + 7 D* --> 24Mg12 + 19F9 + 85.476 MeV [39.441 MeV] (A_Si:115)
29Si14 + 7 D* --> 27Al13 + 16O8 + 91.989 MeV [45.953 MeV] (A_Si:116)
29Si14 + 7 D* --> 28Si14 + 15N7 + 91.446 MeV [45.411 MeV] (A_Si:117)
29Si14 + 7 D* --> 29Si14 + 14N7 + 89.087 MeV [43.051 MeV] (A_Si:118)
29Si14 + 7 D* --> 31P15 + 12C6 + 94.496 MeV [48.461 MeV] (A_Si:119)

29Si14 + 7 D* --> 32S16 + 11B5 + 87.403 MeV [41.367 MeV] (A_Si:120)
29Si14 + 7 D* --> 33S16 + 10B5 + 84.590 MeV [38.555 MeV] (A_Si:121)
29Si14 + 7 D* --> 36Ar18 + 7Li3 + 85.378 MeV [39.343 MeV] (A_Si:122)
29Si14 + 7 D* --> 39K19 + 4He2 + 101.437 MeV [55.402 MeV] (A_Si:123)
29Si14 + 7 D* --> 40K19 + 3He2 + 88.659 MeV [42.624 MeV] (A_Si:124)
29Si14 + 7 D* --> 42Ca20 + 1H1 + 101.313 MeV [55.278 MeV] (A_Si:125)

29Si14 + 8 D* --> 24Mg12 + 21Ne10 + 102.856 MeV [48.445 MeV] (A_Si:126)
29Si14 + 8 D* --> 25Mg12 + 20Ne10 + 103.425 MeV [49.014 MeV] (A_Si:127)
29Si14 + 8 D* --> 28Si14 + 17O8 + 105.492 MeV [51.081 MeV] (A_Si:128)
29Si14 + 8 D* --> 29Si14 + 16O8 + 109.823 MeV [55.411 MeV] (A_Si:129)
29Si14 + 8 D* --> 31P15 + 14N7 + 104.768 MeV [50.357 MeV] (A_Si:130)
29Si14 + 8 D* --> 32S16 + 13C6 + 106.081 MeV [51.670 MeV] (A_Si:131)
29Si14 + 8 D* --> 33S16 + 12C6 + 109.777 MeV [55.365 MeV] (A_Si:132)
29Si14 + 8 D* --> 35Cl17 + 10B5 + 100.154 MeV [45.742 MeV] (A_Si:133)
29Si14 + 8 D* --> 36Ar18 + 9Be4 + 102.075 MeV [47.663 MeV] (A_Si:134)
29Si14 + 8 D* --> 39K19 + 6Li3 + 102.911 MeV [48.499 MeV] (A_Si:135)
29Si14 + 8 D* --> 42Ca20 + 3He2 + 106.807 MeV [52.395 MeV] (A_Si:136)

29Si14 + 9 D* --> 24Mg12 + 23Na11 + 119.790 MeV [56.585 MeV] (A_Si:137)
29Si14 + 9 D* --> 27Al13 + 20Ne10 + 120.565 MeV [57.360 MeV] (A_Si:138)
29Si14 + 9 D* --> 28Si14 + 19F9 + 119.307 MeV [56.102 MeV] (A_Si:139)
29Si14 + 9 D* --> 31P15 + 16O8 + 125.504 MeV [62.299 MeV] (A_Si:140)
29Si14 + 9 D* --> 32S16 + 15N7 + 122.241 MeV [59.036 MeV] (A_Si:141)
29Si14 + 9 D* --> 33S16 + 14N7 + 120.049 MeV [56.844 MeV] (A_Si:142)
29Si14 + 9 D* --> 35Cl17 + 12C6 + 125.340 MeV [62.135 MeV] (A_Si:143)
29Si14 + 9 D* --> 36Ar18 + 11B5 + 117.890 MeV [54.685 MeV] (A_Si:144)
29Si14 + 9 D* --> 40Ca20 + 7Li3 + 116.265 MeV [53.060 MeV] (A_Si:145)
29Si14 + 9 D* --> 46Ti22 + 1H1 + 133.161 MeV [69.956 MeV] (A_Si:146)

29Si14 + 10 D* --> 25Mg12 + 24Mg12 + 136.589 MeV [64.181 MeV] (A_Si:147)
29Si14 + 10 D* --> 28Si14 + 21Ne10 + 136.687 MeV [64.280 MeV] (A_Si:148)
29Si14 + 10 D* --> 29Si14 + 20Ne10 + 138.399 MeV [65.992 MeV] (A_Si:149)
29Si14 + 10 D* --> 32S16 + 17O8 + 136.287 MeV [63.880 MeV] (A_Si:150)
29Si14 + 10 D* --> 33S16 + 16O8 + 140.785 MeV [68.378 MeV] (A_Si:151)
29Si14 + 10 D* --> 35Cl17 + 14N7 + 135.612 MeV [63.205 MeV] (A_Si:152)
29Si14 + 10 D* --> 36Ar18 + 13C6 + 136.569 MeV [64.162 MeV] (A_Si:153)
29Si14 + 10 D* --> 39K19 + 10B5 + 131.218 MeV [58.811 MeV] (A_Si:154)
29Si14 + 10 D* --> 40Ca20 + 9Be4 + 132.961 MeV [60.554 MeV] (A_Si:155)
29Si14 + 10 D* --> 46Ti22 + 3He2 + 138.654 MeV [66.247 MeV] (A_Si:156)

29Si14 + 11 D* --> 27Al13 + 24Mg12 + 153.728 MeV [71.718 MeV] (A_Si:157)
29Si14 + 11 D* --> 28Si14 + 23Na11 + 153.621 MeV [71.611 MeV] (A_Si:158)
29Si14 + 11 D* --> 31P15 + 20Ne10 + 154.081 MeV [72.071 MeV] (A_Si:159)
29Si14 + 11 D* --> 32S16 + 19F9 + 150.101 MeV [68.091 MeV] (A_Si:160)
29Si14 + 11 D* --> 35Cl17 + 16O8 + 156.348 MeV [74.339 MeV] (A_Si:161)
29Si14 + 11 D* --> 36Ar18 + 15N7 + 152.728 MeV [70.718 MeV] (A_Si:162)
29Si14 + 11 D* --> 39K19 + 12C6 + 156.405 MeV [74.395 MeV] (A_Si:163)
29Si14 + 11 D* --> 40Ca20 + 11B5 + 148.776 MeV [66.766 MeV] (A_Si:164)
29Si14 + 11 D* --> 50Cr24 + 1H1 + 165.568 MeV [83.559 MeV] (A_Si:165)

29Si14 + 12 D* --> 28Si14 + 25Mg12 + 170.419 MeV [78.413 MeV] (A_Si:166)
29Si14 + 12 D* --> 29Si14 + 24Mg12 + 171.562 MeV [79.556 MeV] (A_Si:167)
29Si14 + 12 D* --> 32S16 + 21Ne10 + 167.481 MeV [75.475 MeV] (A_Si:168)

29Si14 + 12 D* --> 33S16 + 20Ne10 + 169.362 MeV [77.356 MeV] (A_Si:169)
29Si14 + 12 D* --> 36Ar18 + 17O8 + 166.774 MeV [74.768 MeV] (A_Si:170)
29Si14 + 12 D* --> 39K19 + 14N7 + 166.677 MeV [74.671 MeV] (A_Si:171)
29Si14 + 12 D* --> 40Ca20 + 13C6 + 167.455 MeV [75.449 MeV] (A_Si:172)
29Si14 + 12 D* --> 50Cr24 + 3He2 + 171.062 MeV [79.056 MeV] (A_Si:173)

30Si14 + 2 D* --> 17O8 + 17O8 + 3.456 MeV [-7.212 MeV] (A_Si:174)
30Si14 + 2 D* --> 18O8 + 16O8 + 7.357 MeV [-3.311 MeV] (A_Si:175)
30Si14 + 2 D* --> 19F9 + 15N7 + 3.224 MeV [-7.443 MeV] (A_Si:176)
30Si14 + 2 D* --> 21Ne10 + 13C6 + 4.445 MeV [-6.223 MeV] (A_Si:177)
30Si14 + 2 D* --> 22Ne10 + 12C6 + 9.863 MeV [-0.805 MeV] (A_Si:178)
30Si14 + 2 D* --> 23Na11 + 11B5 + 2.700 MeV [-7.968 MeV] (A_Si:179)
30Si14 + 2 D* --> 25Mg12 + 9Be4 + 3.684 MeV [-6.984 MeV] (A_Si:180)
30Si14 + 2 D* --> 27Al13 + 7Li3 + 4.127 MeV [-6.541 MeV] (A_Si:181)
30Si14 + 2 D* --> 30Si14 + 4He2 + 23.847 MeV [13.179 MeV] (A_Si:182)
30Si14 + 2 D* --> 34S16 + 31.770 MeV [21.102 MeV] (A_Si:183)

30Si14 + 3 D* --> 19F9 + 17O8 + 17.270 MeV [00.524 MeV] (A_Si:184)
30Si14 + 3 D* --> 21Ne10 + 15N7 + 20.605 MeV [3.858 MeV] (A_Si:185)
30Si14 + 3 D* --> 22Ne10 + 14N7 + 20.136 MeV [3.389 MeV] (A_Si:186)
30Si14 + 3 D* --> 23Na11 + 13C6 + 21.379 MeV [4.632 MeV] (A_Si:187)
30Si14 + 3 D* --> 25Mg12 + 11B5 + 19.499 MeV [2.753 MeV] (A_Si:188)
30Si14 + 3 D* --> 26Mg12 + 10B5 + 19.138 MeV [2.392 MeV] (A_Si:189)
30Si14 + 3 D* --> 27Al13 + 9Be4 + 20.823 MeV [4.077 MeV] (A_Si:190)
30Si14 + 3 D* --> 29Si14 + 7Li3 + 21.961 MeV [5.215 MeV] (A_Si:191)
30Si14 + 3 D* --> 30Si14 + 6Li3 + 25.320 MeV [8.574 MeV] (A_Si:192)
30Si14 + 3 D* --> 34S16 + 2H1 + 31.770 MeV [15.024 MeV] (A_Si:193)

30Si14 + 4 D* --> 19F9 + 19F9 + 31.085 MeV [7.784 MeV] (A_Si:194)
30Si14 + 4 D* --> 20Ne10 + 18O8 + 35.933 MeV [12.633 MeV] (A_Si:195)
30Si14 + 4 D* --> 21Ne10 + 17O8 + 34.651 MeV [11.350 MeV] (A_Si:196)
30Si14 + 4 D* --> 22Ne10 + 16O8 + 40.872 MeV [17.571 MeV] (A_Si:197)
30Si14 + 4 D* --> 23Na11 + 15N7 + 37.538 MeV [14.238 MeV] (A_Si:198)
30Si14 + 4 D* --> 25Mg12 + 13C6 + 38.178 MeV [14.877 MeV] (A_Si:199)
30Si14 + 4 D* --> 26Mg12 + 12C6 + 44.325 MeV [21.024 MeV] (A_Si:200)
30Si14 + 4 D* --> 27Al13 + 11B5 + 36.639 MeV [13.338 MeV] (A_Si:201)
30Si14 + 4 D* --> 29Si14 + 9Be4 + 38.657 MeV [15.357 MeV] (A_Si:202)
30Si14 + 4 D* --> 31P15 + 7Li3 + 37.643 MeV [14.342 MeV] (A_Si:203)
30Si14 + 4 D* --> 34S16 + 4He2 + 55.617 MeV [32.316 MeV] (A_Si:204)
30Si14 + 4 D* --> 37Cl17 + 1H1 + 52.583 MeV [29.282 MeV] (A_Si:205)
30Si14 + 4 D* --> 38Ar18 + 62.825 MeV [39.524 MeV] (A_Si:206)

30Si14 + 5 D* --> 21Ne10 + 19F9 + 48.465 MeV [18.149 MeV] (A_Si:207)
30Si14 + 5 D* --> 23Na11 + 17O8 + 51.584 MeV [21.268 MeV] (A_Si:208)
30Si14 + 5 D* --> 25Mg12 + 15N7 + 54.337 MeV [24.021 MeV] (A_Si:209)
30Si14 + 5 D* --> 26Mg12 + 14N7 + 54.597 MeV [24.281 MeV] (A_Si:210)
30Si14 + 5 D* --> 27Al13 + 13C6 + 55.317 MeV [25.001 MeV] (A_Si:211)
30Si14 + 5 D* --> 29Si14 + 11B5 + 54.473 MeV [24.157 MeV] (A_Si:212)
30Si14 + 5 D* --> 30Si14 + 10B5 + 53.628 MeV [23.312 MeV] (A_Si:213)
30Si14 + 5 D* --> 31P15 + 9Be4 + 54.339 MeV [24.023 MeV] (A_Si:214)
30Si14 + 5 D* --> 33S16 + 7Li3 + 52.924 MeV [22.607 MeV] (A_Si:215)
30Si14 + 5 D* --> 34S16 + 6Li3 + 57.091 MeV [26.774 MeV] (A_Si:216)
30Si14 + 5 D* --> 37Cl17 + 3He2 + 58.076 MeV [27.760 MeV] (A_Si:217)

30Si14 + 5 D* --> 38Ar18 + 2H1 + 62.825 MeV [32.508 MeV] (A_Si:218)
30Si14 + 5 D* --> 40K19 + 74.781 MeV [44.465 MeV] (A_Si:219)

30Si14 + 6 D* --> 21Ne10 + 21Ne10 + 65.845 MeV [28.064 MeV] (A_Si:220)
30Si14 + 6 D* --> 22Ne10 + 20Ne10 + 69.448 MeV [31.667 MeV] (A_Si:221)
30Si14 + 6 D* --> 23Na11 + 19F9 + 65.399 MeV [27.618 MeV] (A_Si:222)
30Si14 + 6 D* --> 24Mg12 + 18O8 + 69.096 MeV [31.315 MeV] (A_Si:223)
30Si14 + 6 D* --> 25Mg12 + 17O8 + 68.383 MeV [30.602 MeV] (A_Si:224)
30Si14 + 6 D* --> 26Mg12 + 16O8 + 75.333 MeV [37.552 MeV] (A_Si:225)
30Si14 + 6 D* --> 27Al13 + 15N7 + 71.477 MeV [33.696 MeV] (A_Si:226)
30Si14 + 6 D* --> 29Si14 + 13C6 + 73.151 MeV [35.370 MeV] (A_Si:227)
30Si14 + 6 D* --> 30Si14 + 12C6 + 78.814 MeV [41.033 MeV] (A_Si:228)
30Si14 + 6 D* --> 31P15 + 11B5 + 70.154 MeV [32.373 MeV] (A_Si:229)
30Si14 + 6 D* --> 33S16 + 9Be4 + 69.620 MeV [31.839 MeV] (A_Si:230)
30Si14 + 6 D* --> 35Cl17 + 7Li3 + 68.487 MeV [30.706 MeV] (A_Si:231)
30Si14 + 6 D* --> 38Ar18 + 4He2 + 86.671 MeV [48.890 MeV] (A_Si:232)
30Si14 + 6 D* --> 40K19 + 2H1 + 74.781 MeV [37.000 MeV] (A_Si:233)
30Si14 + 6 D* --> 41K19 + 1H1 + 82.652 MeV [44.870 MeV] (A_Si:234)
30Si14 + 6 D* --> 42Ca20 + 92.928 MeV [55.147 MeV] (A_Si:235)

30Si14 + 7 D* --> 23Na11 + 21Ne10 + 82.779 MeV [37.095 MeV] (A_Si:236)
30Si14 + 7 D* --> 25Mg12 + 19F9 + 82.197 MeV [36.513 MeV] (A_Si:237)
30Si14 + 7 D* --> 27Al13 + 17O8 + 85.523 MeV [39.839 MeV] (A_Si:238)
30Si14 + 7 D* --> 29Si14 + 15N7 + 89.311 MeV [43.627 MeV] (A_Si:239)
30Si14 + 7 D* --> 30Si14 + 14N7 + 89.087 MeV [43.403 MeV] (A_Si:240)
30Si14 + 7 D* --> 31P15 + 13C6 + 88.833 MeV [43.149 MeV] (A_Si:241)
30Si14 + 7 D* --> 33S16 + 11B5 + 85.435 MeV [39.751 MeV] (A_Si:242)
30Si14 + 7 D* --> 34S16 + 10B5 + 85.398 MeV [39.714 MeV] (A_Si:243)
30Si14 + 7 D* --> 35Cl17 + 9Be4 + 85.183 MeV [39.499 MeV] (A_Si:244)
30Si14 + 7 D* --> 38Ar18 + 6Li3 + 88.145 MeV [42.461 MeV] (A_Si:245)
30Si14 + 7 D* --> 40K19 + 4He2 + 98.627 MeV [52.944 MeV] (A_Si:246)
30Si14 + 7 D* --> 41K19 + 3He2 + 88.145 MeV [42.461 MeV] (A_Si:247)
30Si14 + 7 D* --> 42Ca20 + 2H1 + 92.928 MeV [47.245 MeV] (A_Si:248)
30Si14 + 7 D* --> 43Ca20 + 1H1 + 98.637 MeV [52.953 MeV] (A_Si:249)

30Si14 + 8 D* --> 23Na11 + 23Na11 + 99.713 MeV [45.698 MeV] (A_Si:250)
30Si14 + 8 D* --> 24Mg12 + 22Ne10 + 102.611 MeV [48.597 MeV] (A_Si:251)
30Si14 + 8 D* --> 25Mg12 + 21Ne10 + 99.577 MeV [45.563 MeV] (A_Si:252)
30Si14 + 8 D* --> 26Mg12 + 20Ne10 + 103.909 MeV [49.895 MeV] (A_Si:253)
30Si14 + 8 D* --> 27Al13 + 19F9 + 99.337 MeV [45.323 MeV] (A_Si:254)
30Si14 + 8 D* --> 28Si14 + 18O8 + 102.927 MeV [48.913 MeV] (A_Si:255)
30Si14 + 8 D* --> 29Si14 + 17O8 + 103.357 MeV [49.342 MeV] (A_Si:256)
30Si14 + 8 D* --> 30Si14 + 16O8 + 109.823 MeV [55.808 MeV] (A_Si:257)
30Si14 + 8 D* --> 31P15 + 15N7 + 104.992 MeV [50.978 MeV] (A_Si:258)
30Si14 + 8 D* --> 33S16 + 13C6 + 104.114 MeV [50.099 MeV] (A_Si:259)
30Si14 + 8 D* --> 34S16 + 12C6 + 110.585 MeV [56.570 MeV] (A_Si:260)
30Si14 + 8 D* --> 35Cl17 + 11B5 + 100.998 MeV [46.984 MeV] (A_Si:261)
30Si14 + 8 D* --> 39K19 + 7Li3 + 99.552 MeV [45.537 MeV] (A_Si:262)
30Si14 + 8 D* --> 40K19 + 6Li3 + 100.101 MeV [46.087 MeV] (A_Si:263)
30Si14 + 8 D* --> 42Ca20 + 4He2 + 116.775 MeV [62.761 MeV] (A_Si:264)
30Si14 + 8 D* --> 43Ca20 + 3He2 + 104.130 MeV [50.116 MeV] (A_Si:265)
30Si14 + 8 D* --> 45Sc21 + 1H1 + 114.432 MeV [60.417 MeV] (A_Si:266)
30Si14 + 8 D* --> 46Ti22 + 124.776 MeV [70.762 MeV] (A_Si:267)

30Si14 + 9 D* --> 25Mg12 + 23Na11 + 116.511 MeV [53.748 MeV] (A_Si:268)
30Si14 + 9 D* --> 27Al13 + 21Ne10 + 116.717 MeV [53.954 MeV] (A_Si:269)
30Si14 + 9 D* --> 29Si14 + 19F9 + 117.171 MeV [54.408 MeV] (A_Si:270)
30Si14 + 9 D* --> 31P15 + 17O8 + 119.038 MeV [56.275 MeV] (A_Si:271)
30Si14 + 9 D* --> 33S16 + 15N7 + 120.273 MeV [57.510 MeV] (A_Si:272)
30Si14 + 9 D* --> 34S16 + 14N7 + 120.857 MeV [58.094 MeV] (A_Si:273)
30Si14 + 9 D* --> 35Cl17 + 13C6 + 119.677 MeV [56.914 MeV] (A_Si:274)
30Si14 + 9 D* --> 38Ar18 + 10B5 + 116.452 MeV [53.689 MeV] (A_Si:275)
30Si14 + 9 D* --> 39K19 + 9Be4 + 116.248 MeV [53.485 MeV] (A_Si:276)
30Si14 + 9 D* --> 42Ca20 + 6Li3 + 118.249 MeV [55.486 MeV] (A_Si:277)
30Si14 + 9 D* --> 45Sc21 + 3He2 + 119.925 MeV [57.162 MeV] (A_Si:278)
30Si14 + 9 D* --> 46Ti22 + 2H1 + 124.776 MeV [62.013 MeV] (A_Si:279)
30Si14 + 9 D* --> 47Ti22 + 1H1 + 131.432 MeV [68.669 MeV] (A_Si:280)

30Si14 + 10 D* --> 25Mg12 + 25Mg12 + 133.310 MeV [61.389 MeV] (A_Si:281)
30Si14 + 10 D* --> 26Mg12 + 24Mg12 + 137.072 MeV [65.151 MeV] (A_Si:282)
30Si14 + 10 D* --> 27Al13 + 23Na11 + 133.651 MeV [61.730 MeV] (A_Si:283)
30Si14 + 10 D* --> 28Si14 + 22Ne10 + 136.442 MeV [64.521 MeV] (A_Si:284)
30Si14 + 10 D* --> 29Si14 + 21Ne10 + 134.551 MeV [62.630 MeV] (A_Si:285)
30Si14 + 10 D* --> 30Si14 + 20Ne10 + 138.399 MeV [66.478 MeV] (A_Si:286)
30Si14 + 10 D* --> 31P15 + 19F9 + 132.853 MeV [60.931 MeV] (A_Si:287)
30Si14 + 10 D* --> 32S16 + 18O8 + 133.722 MeV [61.800 MeV] (A_Si:288)
30Si14 + 10 D* --> 33S16 + 17O8 + 134.319 MeV [62.398 MeV] (A_Si:289)
30Si14 + 10 D* --> 34S16 + 16O8 + 141.593 MeV [69.672 MeV] (A_Si:290)
30Si14 + 10 D* --> 35Cl17 + 15N7 + 135.836 MeV [63.915 MeV] (A_Si:291)
30Si14 + 10 D* --> 38Ar18 + 12C6 + 141.639 MeV [69.718 MeV] (A_Si:292)
30Si14 + 10 D* --> 39K19 + 11B5 + 132.063 MeV [60.142 MeV] (A_Si:293)
30Si14 + 10 D* --> 40K19 + 10B5 + 128.409 MeV [56.488 MeV] (A_Si:294)
30Si14 + 10 D* --> 46Ti22 + 4He2 + 148.623 MeV [76.702 MeV] (A_Si:295)
30Si14 + 10 D* --> 47Ti22 + 3He2 + 136.925 MeV [65.004 MeV] (A_Si:296)
30Si14 + 10 D* --> 50Cr24 + 157.184 MeV [85.263 MeV] (A_Si:297)

30Si14 + 11 D* --> 27Al13 + 25Mg12 + 150.449 MeV [68.969 MeV] (A_Si:298)
30Si14 + 11 D* --> 29Si14 + 23Na11 + 151.485 MeV [70.004 MeV] (A_Si:299)
30Si14 + 11 D* --> 31P15 + 21Ne10 + 150.233 MeV [68.752 MeV] (A_Si:300)
30Si14 + 11 D* --> 33S16 + 19F9 + 148.133 MeV [66.653 MeV] (A_Si:301)
30Si14 + 11 D* --> 35Cl17 + 17O8 + 149.882 MeV [68.402 MeV] (A_Si:302)
30Si14 + 11 D* --> 38Ar18 + 14N7 + 151.911 MeV [70.430 MeV] (A_Si:303)
30Si14 + 11 D* --> 39K19 + 13C6 + 150.742 MeV [69.261 MeV] (A_Si:304)
30Si14 + 11 D* --> 40K19 + 12C6 + 153.595 MeV [72.114 MeV] (A_Si:305)
30Si14 + 11 D* --> 42Ca20 + 10B5 + 146.556 MeV [65.076 MeV] (A_Si:306)
30Si14 + 11 D* --> 46Ti22 + 6Li3 + 150.097 MeV [68.616 MeV] (A_Si:307)
30Si14 + 11 D* --> 50Cr24 + 2H1 + 157.184 MeV [75.703 MeV] (A_Si:308)

30Si14 + 12 D* --> 27Al13 + 27Al13 + 167.589 MeV [76.155 MeV] (A_Si:309)
30Si14 + 12 D* --> 28Si14 + 26Mg12 + 170.903 MeV [79.469 MeV] (A_Si:310)
30Si14 + 12 D* --> 29Si14 + 25Mg12 + 168.284 MeV [76.849 MeV] (A_Si:311)
30Si14 + 12 D* --> 30Si14 + 24Mg12 + 171.562 MeV [80.128 MeV] (A_Si:312)
30Si14 + 12 D* --> 31P15 + 23Na11 + 167.166 MeV [75.732 MeV] (A_Si:313)
30Si14 + 12 D* --> 32S16 + 22Ne10 + 167.236 MeV [75.802 MeV] (A_Si:314)
30Si14 + 12 D* --> 33S16 + 21Ne10 + 165.514 MeV [74.079 MeV] (A_Si:315)
30Si14 + 12 D* --> 34S16 + 20Ne10 + 170.169 MeV [78.735 MeV] (A_Si:316)
30Si14 + 12 D* --> 35Cl17 + 19F9 + 163.697 MeV [72.262 MeV] (A_Si:317)
30Si14 + 12 D* --> 36Ar18 + 18O8 + 164.209 MeV [72.774 MeV] (A_Si:318)

30Si14 + 12 D* --> 38Ar18 + 16O8 + 172.647 MeV [81.213 MeV] (A_Si:319)
30Si14 + 12 D* --> 39K19 + 15N7 + 166.901 MeV [75.467 MeV] (A_Si:320)
30Si14 + 12 D* --> 40K19 + 14N7 + 163.868 MeV [72.433 MeV] (A_Si:321)
30Si14 + 12 D* --> 42Ca20 + 12C6 + 171.743 MeV [80.309 MeV] (A_Si:322)
30Si14 + 12 D* --> 50Cr24 + 4He2 + 181.030 MeV [89.596 MeV] (A_Si:323)
30Si14 + 12 D* --> 54Fe26 + 189.448 MeV [98.014 MeV] (A_Si:324)

---------- Equations follow for Phosphorus, P, element 15 ----------

31P15 + D* --> 29Si14 + 4He2 + 8.165 MeV [2.778 MeV] (A_P:1)
31P15 + D* --> 33S16 + 15.281 MeV [9.894 MeV] (A_P:2)

31P15 + 2 D* --> 19F9 + 16O8 + 8.055 MeV [-3.215 MeV] (A_P:3)
31P15 + 2 D* --> 20Ne10 + 15N7 + 8.771 MeV [-2.499 MeV] (A_P:4)
31P15 + 2 D* --> 21Ne10 + 14N7 + 4.699 MeV [-6.571 MeV] (A_P:5)
31P15 + 2 D* --> 23Na11 + 12C6 + 11.360 MeV [00.091 MeV] (A_P:6)
31P15 + 2 D* --> 24Mg12 + 11B5 + 7.096 MeV [-4.174 MeV] (A_P:7)
31P15 + 2 D* --> 25Mg12 + 10B5 + 2.973 MeV [-8.297 MeV] (A_P:8)
31P15 + 2 D* --> 28Si14 + 7Li3 + 8.415 MeV [-2.855 MeV] (A_P:9)
31P15 + 2 D* --> 29Si14 + 6Li3 + 9.639 MeV [-1.631 MeV] (A_P:10)
31P15 + 2 D* --> 31P15 + 4He2 + 23.847 MeV [12.577 MeV] (A_P:11)
31P15 + 2 D* --> 33S16 + 2H1 + 15.281 MeV [4.011 MeV] (A_P:12)
31P15 + 2 D* --> 34S16 + 1H1 + 24.473 MeV [13.204 MeV] (A_P:13)
31P15 + 2 D* --> 35Cl17 + 30.844 MeV [19.574 MeV] (A_P:14)

31P15 + 3 D* --> 20Ne10 + 17O8 + 22.817 MeV [5.186 MeV] (A_P:15)
31P15 + 3 D* --> 21Ne10 + 16O8 + 25.435 MeV [7.804 MeV] (A_P:16)
31P15 + 3 D* --> 23Na11 + 14N7 + 21.633 MeV [4.001 MeV] (A_P:17)
31P15 + 3 D* --> 24Mg12 + 13C6 + 25.775 MeV [8.143 MeV] (A_P:18)
31P15 + 3 D* --> 25Mg12 + 12C6 + 28.159 MeV [10.528 MeV] (A_P:19)
31P15 + 3 D* --> 27Al13 + 10B5 + 20.112 MeV [2.481 MeV] (A_P:20)
31P15 + 3 D* --> 28Si14 + 9Be4 + 25.111 MeV [7.480 MeV] (A_P:21)
31P15 + 3 D* --> 31P15 + 6Li3 + 25.320 MeV [7.689 MeV] (A_P:22)
31P15 + 3 D* --> 33S16 + 4He2 + 39.127 MeV [21.496 MeV] (A_P:23)
31P15 + 3 D* --> 34S16 + 3He2 + 29.967 MeV [12.335 MeV] (A_P:24)
31P15 + 3 D* --> 35Cl17 + 2H1 + 30.844 MeV [13.213 MeV] (A_P:25)

31P15 + 4 D* --> 20Ne10 + 19F9 + 36.631 MeV [12.173 MeV] (A_P:26)
31P15 + 4 D* --> 23Na11 + 16O8 + 42.369 MeV [17.910 MeV] (A_P:27)
31P15 + 4 D* --> 24Mg12 + 15N7 + 41.934 MeV [17.476 MeV] (A_P:28)
31P15 + 4 D* --> 25Mg12 + 14N7 + 38.431 MeV [13.973 MeV] (A_P:29)
31P15 + 4 D* --> 27Al13 + 12C6 + 45.299 MeV [20.840 MeV] (A_P:30)
31P15 + 4 D* --> 28Si14 + 11B5 + 40.927 MeV [16.468 MeV] (A_P:31)
31P15 + 4 D* --> 29Si14 + 10B5 + 37.946 MeV [13.488 MeV] (A_P:32)
31P15 + 4 D* --> 32S16 + 7Li3 + 39.210 MeV [14.751 MeV] (A_P:33)
31P15 + 4 D* --> 33S16 + 6Li3 + 40.601 MeV [16.143 MeV] (A_P:34)
31P15 + 4 D* --> 35Cl17 + 4He2 + 54.691 MeV [30.232 MeV] (A_P:35)
31P15 + 4 D* --> 38Ar18 + 1H1 + 55.528 MeV [31.069 MeV] (A_P:36)
31P15 + 4 D* --> 39K19 + 61.909 MeV [37.450 MeV] (A_P:37)

31P15 + 5 D* --> 21Ne10 + 20Ne10 + 54.011 MeV [22.273 MeV] (A_P:38)
31P15 + 5 D* --> 24Mg12 + 17O8 + 55.980 MeV [24.242 MeV] (A_P:39)
31P15 + 5 D* --> 25Mg12 + 16O8 + 59.168 MeV [27.429 MeV] (A_P:40)
31P15 + 5 D* --> 27Al13 + 14N7 + 55.571 MeV [23.833 MeV] (A_P:41)

31P15 + 5 D* --> 28Si14 + 13C6 + 59.606 MeV [27.867 MeV] (A_P:42)
31P15 + 5 D* --> 29Si14 + 12C6 + 63.133 MeV [31.395 MeV] (A_P:43)
31P15 + 5 D* --> 31P15 + 10B5 + 53.628 MeV [21.890 MeV] (A_P:44)
31P15 + 5 D* --> 32S16 + 9Be4 + 55.906 MeV [24.168 MeV] (A_P:45)
31P15 + 5 D* --> 35Cl17 + 6Li3 + 56.164 MeV [24.426 MeV] (A_P:46)
31P15 + 5 D* --> 38Ar18 + 3He2 + 61.021 MeV [29.283 MeV] (A_P:47)
31P15 + 5 D* --> 39K19 + 2H1 + 61.909 MeV [30.171 MeV] (A_P:48)
31P15 + 5 D* --> 40K19 + 1H1 + 67.484 MeV [35.746 MeV] (A_P:49)

31P15 + 6 D* --> 23Na11 + 20Ne10 + 70.945 MeV [31.486 MeV] (A_P:50)
31P15 + 6 D* --> 24Mg12 + 19F9 + 69.794 MeV [30.336 MeV] (A_P:51)
31P15 + 6 D* --> 27Al13 + 16O8 + 76.307 MeV [36.848 MeV] (A_P:52)
31P15 + 6 D* --> 28Si14 + 15N7 + 75.765 MeV [36.306 MeV] (A_P:53)
31P15 + 6 D* --> 29Si14 + 14N7 + 73.405 MeV [33.946 MeV] (A_P:54)
31P15 + 6 D* --> 31P15 + 12C6 + 78.814 MeV [39.355 MeV] (A_P:55)
31P15 + 6 D* --> 32S16 + 11B5 + 71.721 MeV [32.262 MeV] (A_P:56)
31P15 + 6 D* --> 33S16 + 10B5 + 68.909 MeV [29.450 MeV] (A_P:57)
31P15 + 6 D* --> 36Ar18 + 7Li3 + 69.697 MeV [30.238 MeV] (A_P:58)
31P15 + 6 D* --> 39K19 + 4He2 + 85.756 MeV [46.297 MeV] (A_P:59)
31P15 + 6 D* --> 40K19 + 3He2 + 72.977 MeV [33.519 MeV] (A_P:60)
31P15 + 6 D* --> 42Ca20 + 1H1 + 85.632 MeV [46.173 MeV] (A_P:61)

31P15 + 7 D* --> 24Mg12 + 21Ne10 + 87.175 MeV [39.564 MeV] (A_P:62)
31P15 + 7 D* --> 25Mg12 + 20Ne10 + 87.744 MeV [40.134 MeV] (A_P:63)
31P15 + 7 D* --> 28Si14 + 17O8 + 89.811 MeV [42.201 MeV] (A_P:64)
31P15 + 7 D* --> 29Si14 + 16O8 + 94.141 MeV [46.531 MeV] (A_P:65)
31P15 + 7 D* --> 31P15 + 14N7 + 89.087 MeV [41.477 MeV] (A_P:66)
31P15 + 7 D* --> 32S16 + 13C6 + 90.400 MeV [42.790 MeV] (A_P:67)
31P15 + 7 D* --> 33S16 + 12C6 + 94.095 MeV [46.485 MeV] (A_P:68)
31P15 + 7 D* --> 35Cl17 + 10B5 + 84.472 MeV [36.862 MeV] (A_P:69)
31P15 + 7 D* --> 36Ar18 + 9Be4 + 86.393 MeV [38.783 MeV] (A_P:70)
31P15 + 7 D* --> 39K19 + 6Li3 + 87.229 MeV [39.619 MeV] (A_P:71)
31P15 + 7 D* --> 42Ca20 + 3He2 + 91.125 MeV [43.515 MeV] (A_P:72)

31P15 + 8 D* --> 24Mg12 + 23Na11 + 104.108 MeV [47.926 MeV] (A_P:73)
31P15 + 8 D* --> 27Al13 + 20Ne10 + 104.883 MeV [48.701 MeV] (A_P:74)
31P15 + 8 D* --> 28Si14 + 19F9 + 103.625 MeV [47.443 MeV] (A_P:75)
31P15 + 8 D* --> 31P15 + 16O8 + 109.823 MeV [53.641 MeV] (A_P:76)
31P15 + 8 D* --> 32S16 + 15N7 + 106.559 MeV [50.377 MeV] (A_P:77)
31P15 + 8 D* --> 33S16 + 14N7 + 104.367 MeV [48.185 MeV] (A_P:78)
31P15 + 8 D* --> 35Cl17 + 12C6 + 109.658 MeV [53.476 MeV] (A_P:79)
31P15 + 8 D* --> 36Ar18 + 11B5 + 102.208 MeV [46.026 MeV] (A_P:80)
31P15 + 8 D* --> 40Ca20 + 7Li3 + 100.583 MeV [44.401 MeV] (A_P:81)
31P15 + 8 D* --> 46Ti22 + 1H1 + 117.479 MeV [61.297 MeV] (A_P:82)

31P15 + 9 D* --> 25Mg12 + 24Mg12 + 120.907 MeV [55.741 MeV] (A_P:83)
31P15 + 9 D* --> 28Si14 + 21Ne10 + 121.005 MeV [55.839 MeV] (A_P:84)
31P15 + 9 D* --> 29Si14 + 20Ne10 + 122.718 MeV [57.551 MeV] (A_P:85)
31P15 + 9 D* --> 32S16 + 17O8 + 120.605 MeV [55.439 MeV] (A_P:86)
31P15 + 9 D* --> 33S16 + 16O8 + 125.104 MeV [59.937 MeV] (A_P:87)
31P15 + 9 D* --> 35Cl17 + 14N7 + 119.931 MeV [54.764 MeV] (A_P:88)
31P15 + 9 D* --> 36Ar18 + 13C6 + 120.887 MeV [55.721 MeV] (A_P:89)
31P15 + 9 D* --> 39K19 + 10B5 + 115.537 MeV [50.370 MeV] (A_P:90)
31P15 + 9 D* --> 40Ca20 + 9Be4 + 117.279 MeV [52.113 MeV] (A_P:91)

31P15 + 9 D* --> 46Ti22 + 3He2 + 122.973 MeV [57.806 MeV] (A_P:92)

31P15 + 10 D* --> 27Al13 + 24Mg12 + 138.047 MeV [63.492 MeV] (A_P:93)
31P15 + 10 D* --> 28Si14 + 23Na11 + 137.939 MeV [63.385 MeV] (A_P:94)
31P15 + 10 D* --> 31P15 + 20Ne10 + 138.399 MeV [63.845 MeV] (A_P:95)
31P15 + 10 D* --> 32S16 + 19F9 + 134.419 MeV [59.865 MeV] (A_P:96)
31P15 + 10 D* --> 35Cl17 + 16O8 + 140.667 MeV [66.112 MeV] (A_P:97)
31P15 + 10 D* --> 36Ar18 + 15N7 + 137.046 MeV [62.492 MeV] (A_P:98)
31P15 + 10 D* --> 39K19 + 12C6 + 140.723 MeV [66.169 MeV] (A_P:99)
31P15 + 10 D* --> 40Ca20 + 11B5 + 133.095 MeV [58.540 MeV] (A_P:100)
31P15 + 10 D* --> 50Cr24 + 1H1 + 149.887 MeV [75.332 MeV] (A_P:101)

31P15 + 11 D* --> 28Si14 + 25Mg12 + 154.738 MeV [70.399 MeV] (A_P:102)
31P15 + 11 D* --> 29Si14 + 24Mg12 + 155.881 MeV [71.542 MeV] (A_P:103)
31P15 + 11 D* --> 32S16 + 21Ne10 + 151.800 MeV [67.461 MeV] (A_P:104)
31P15 + 11 D* --> 33S16 + 20Ne10 + 153.680 MeV [69.341 MeV] (A_P:105)
31P15 + 11 D* --> 36Ar18 + 17O8 + 151.092 MeV [66.754 MeV] (A_P:106)
31P15 + 11 D* --> 39K19 + 14N7 + 150.996 MeV [66.657 MeV] (A_P:107)
31P15 + 11 D* --> 40Ca20 + 13C6 + 151.773 MeV [67.435 MeV] (A_P:108)
31P15 + 11 D* --> 50Cr24 + 3He2 + 155.380 MeV [71.042 MeV] (A_P:109)

31P15 + 12 D* --> 28Si14 + 27Al13 + 171.877 MeV [77.365 MeV] (A_P:110)
31P15 + 12 D* --> 31P15 + 24Mg12 + 171.562 MeV [77.050 MeV] (A_P:111)
31P15 + 12 D* --> 32S16 + 23Na11 + 168.733 MeV [74.221 MeV] (A_P:112)
31P15 + 12 D* --> 35Cl17 + 20Ne10 + 169.243 MeV [74.731 MeV] (A_P:113)
31P15 + 12 D* --> 36Ar18 + 19F9 + 164.907 MeV [70.395 MeV] (A_P:114)
31P15 + 12 D* --> 39K19 + 16O8 + 171.732 MeV [77.220 MeV] (A_P:115)
31P15 + 12 D* --> 40Ca20 + 15N7 + 167.933 MeV [73.421 MeV] (A_P:116)
31P15 + 12 D* --> 54Fe26 + 1H1 + 182.151 MeV [87.639 MeV] (A_P:117)

---------- Equations follow for Sulphur, S, element 16 ----------

32S16 + D* --> 33S16 + 1H1 + 6.417 MeV [00.727 MeV] (A_S:1)

32S16 + 2 D* --> 20Ne10 + 16O8 + 12.035 MeV [00.173 MeV] (A_S:2)
32S16 + 2 D* --> 24Mg12 + 12C6 + 14.189 MeV [2.327 MeV] (A_S:3)
32S16 + 2 D* --> 32S16 + 4He2 + 23.847 MeV [11.984 MeV] (A_S:4)
32S16 + 2 D* --> 33S16 + 3He2 + 11.911 MeV [00.048 MeV] (A_S:5)
32S16 + 2 D* --> 35Cl17 + 1H1 + 21.980 MeV [10.118 MeV] (A_S:6)
32S16 + 2 D* --> 36Ar18 + 30.487 MeV [18.625 MeV] (A_S:7)

32S16 + 3 D* --> 24Mg12 + 14N7 + 24.462 MeV [5.958 MeV] (A_S:8)
32S16 + 3 D* --> 28Si14 + 10B5 + 22.834 MeV [4.330 MeV] (A_S:9)
32S16 + 3 D* --> 32S16 + 6Li3 + 25.320 MeV [6.817 MeV] (A_S:10)
32S16 + 3 D* --> 35Cl17 + 3He2 + 27.474 MeV [8.970 MeV] (A_S:11)
32S16 + 3 D* --> 36Ar18 + 2H1 + 30.487 MeV [11.984 MeV] (A_S:12)

32S16 + 4 D* --> 20Ne10 + 20Ne10 + 40.611 MeV [15.011 MeV] (A_S:13)
32S16 + 4 D* --> 24Mg12 + 16O8 + 45.198 MeV [19.597 MeV] (A_S:14)
32S16 + 4 D* --> 28Si14 + 12C6 + 48.020 MeV [22.420 MeV] (A_S:15)
32S16 + 4 D* --> 36Ar18 + 4He2 + 54.334 MeV [28.733 MeV] (A_S:16)
32S16 + 4 D* --> 39K19 + 1H1 + 53.045 MeV [27.445 MeV] (A_S:17)
32S16 + 4 D* --> 40Ca20 + 61.373 MeV [35.773 MeV] (A_S:18)

32S16 + 5 D* --> 28Si14 + 14N7 + 58.292 MeV [25.151 MeV] (A_S:19)
32S16 + 5 D* --> 32S16 + 10B5 + 53.628 MeV [20.487 MeV] (A_S:20)
32S16 + 5 D* --> 36Ar18 + 6Li3 + 55.808 MeV [22.666 MeV] (A_S:21)
32S16 + 5 D* --> 39K19 + 3He2 + 58.539 MeV [25.397 MeV] (A_S:22)
32S16 + 5 D* --> 40Ca20 + 2H1 + 61.373 MeV [28.232 MeV] (A_S:23)

32S16 + 6 D* --> 24Mg12 + 20Ne10 + 73.774 MeV [32.659 MeV] (A_S:24)
32S16 + 6 D* --> 28Si14 + 16O8 + 79.028 MeV [37.913 MeV] (A_S:25)
32S16 + 6 D* --> 32S16 + 12C6 + 78.814 MeV [37.699 MeV] (A_S:26)
32S16 + 6 D* --> 40Ca20 + 4He2 + 85.220 MeV [44.105 MeV] (A_S:27)

32S16 + 7 D* --> 32S16 + 14N7 + 89.087 MeV [39.573 MeV] (A_S:28)
32S16 + 7 D* --> 36Ar18 + 10B5 + 84.115 MeV [34.602 MeV] (A_S:29)
32S16 + 7 D* --> 40Ca20 + 6Li3 + 86.694 MeV [37.181 MeV] (A_S:30)

32S16 + 8 D* --> 24Mg12 + 24Mg12 + 106.937 MeV [48.612 MeV] (A_S:31)
32S16 + 8 D* --> 28Si14 + 20Ne10 + 107.605 MeV [49.280 MeV] (A_S:32)
32S16 + 8 D* --> 32S16 + 16O8 + 109.823 MeV [51.498 MeV] (A_S:33)
32S16 + 8 D* --> 36Ar18 + 12C6 + 109.302 MeV [50.976 MeV] (A_S:34)

32S16 + 9 D* --> 36Ar18 + 14N7 + 119.574 MeV [52.031 MeV] (A_S:35)
32S16 + 9 D* --> 40Ca20 + 10B5 + 115.001 MeV [47.458 MeV] (A_S:36)

32S16 + 10 D* --> 28Si14 + 24Mg12 + 140.768 MeV [63.608 MeV] (A_S:37)
32S16 + 10 D* --> 32S16 + 20Ne10 + 138.399 MeV [61.239 MeV] (A_S:38)
32S16 + 10 D* --> 36Ar18 + 16O8 + 140.310 MeV [63.150 MeV] (A_S:39)
32S16 + 10 D* --> 40Ca20 + 12C6 + 140.188 MeV [63.028 MeV] (A_S:40)

32S16 + 11 D* --> 40Ca20 + 14N7 + 150.460 MeV [63.293 MeV] (A_S:41)

32S16 + 12 D* --> 28Si14 + 28Si14 + 174.599 MeV [77.039 MeV] (A_S:42)
32S16 + 12 D* --> 32S16 + 24Mg12 + 171.562 MeV [74.003 MeV] (A_S:43)
32S16 + 12 D* --> 36Ar18 + 20Ne10 + 168.886 MeV [71.327 MeV] (A_S:44)
32S16 + 12 D* --> 40Ca20 + 16O8 + 171.196 MeV [73.637 MeV] (A_S:45)

33S16 + D* --> 31P15 + 4He2 + 8.566 MeV [2.931 MeV] (A_S:46)
33S16 + D* --> 34S16 + 1H1 + 9.193 MeV [3.558 MeV] (A_S:47)
33S16 + D* --> 35Cl17 + 15.563 MeV [9.928 MeV] (A_S:48)

33S16 + 2 D* --> 20Ne10 + 17O8 + 7.536 MeV [-4.218 MeV] (A_S:49)
33S16 + 2 D* --> 21Ne10 + 16O8 + 10.154 MeV [-1.600 MeV] (A_S:50)
33S16 + 2 D* --> 23Na11 + 14N7 + 6.352 MeV [-5.402 MeV] (A_S:51)
33S16 + 2 D* --> 24Mg12 + 13C6 + 10.494 MeV [-1.260 MeV] (A_S:52)
33S16 + 2 D* --> 25Mg12 + 12C6 + 12.878 MeV [1.124 MeV] (A_S:53)
33S16 + 2 D* --> 27Al13 + 10B5 + 4.831 MeV [-6.923 MeV] (A_S:54)
33S16 + 2 D* --> 28Si14 + 9Be4 + 9.831 MeV [-1.924 MeV] (A_S:55)
33S16 + 2 D* --> 31P15 + 6Li3 + 10.040 MeV [-1.715 MeV] (A_S:56)
33S16 + 2 D* --> 33S16 + 4He2 + 23.847 MeV [12.092 MeV] (A_S:57)
33S16 + 2 D* --> 34S16 + 3He2 + 14.686 MeV [2.932 MeV] (A_S:58)
33S16 + 2 D* --> 35Cl17 + 2H1 + 15.563 MeV [3.809 MeV] (A_S:59)

33S16 + 3 D* --> 20Ne10 + 19F9 + 21.350 MeV [3.007 MeV] (A_S:60)
33S16 + 3 D* --> 23Na11 + 16O8 + 27.088 MeV [8.744 MeV] (A_S:61)
33S16 + 3 D* --> 24Mg12 + 15N7 + 26.653 MeV [8.309 MeV] (A_S:62)

33S16 + 3 D* --> 25Mg12 + 14N7 + 23.151 MeV [4.807 MeV] (A_S:63)
33S16 + 3 D* --> 27Al13 + 12C6 + 30.018 MeV [11.674 MeV] (A_S:64)
33S16 + 3 D* --> 28Si14 + 11B5 + 25.646 MeV [7.302 MeV] (A_S:65)
33S16 + 3 D* --> 29Si14 + 10B5 + 22.665 MeV [4.322 MeV] (A_S:66)
33S16 + 3 D* --> 32S16 + 7Li3 + 23.929 MeV [5.585 MeV] (A_S:67)
33S16 + 3 D* --> 33S16 + 6Li3 + 25.320 MeV [6.976 MeV] (A_S:68)
33S16 + 3 D* --> 35Cl17 + 4He2 + 39.410 MeV [21.066 MeV] (A_S:69)
33S16 + 3 D* --> 38Ar18 + 1H1 + 40.247 MeV [21.903 MeV] (A_S:70)
33S16 + 3 D* --> 39K19 + 46.628 MeV [28.284 MeV] (A_S:71)

33S16 + 4 D* --> 21Ne10 + 20Ne10 + 38.731 MeV [13.340 MeV] (A_S:72)
33S16 + 4 D* --> 24Mg12 + 17O8 + 40.699 MeV [15.309 MeV] (A_S:73)
33S16 + 4 D* --> 25Mg12 + 16O8 + 43.887 MeV [18.496 MeV] (A_S:74)
33S16 + 4 D* --> 27Al13 + 14N7 + 40.290 MeV [14.900 MeV] (A_S:75)
33S16 + 4 D* --> 28Si14 + 13C6 + 44.325 MeV [18.934 MeV] (A_S:76)
33S16 + 4 D* --> 29Si14 + 12C6 + 47.852 MeV [22.461 MeV] (A_S:77)
33S16 + 4 D* --> 31P15 + 10B5 + 38.347 MeV [12.957 MeV] (A_S:78)
33S16 + 4 D* --> 32S16 + 9Be4 + 40.625 MeV [15.234 MeV] (A_S:79)
33S16 + 4 D* --> 35Cl17 + 6Li3 + 40.884 MeV [15.493 MeV] (A_S:80)
33S16 + 4 D* --> 38Ar18 + 3He2 + 45.740 MeV [20.350 MeV] (A_S:81)
33S16 + 4 D* --> 39K19 + 2H1 + 46.628 MeV [21.238 MeV] (A_S:82)
33S16 + 4 D* --> 40K19 + 1H1 + 52.203 MeV [26.813 MeV] (A_S:83)

33S16 + 5 D* --> 23Na11 + 20Ne10 + 55.664 MeV [22.782 MeV] (A_S:84)
33S16 + 5 D* --> 24Mg12 + 19F9 + 54.514 MeV [21.631 MeV] (A_S:85)
33S16 + 5 D* --> 27Al13 + 16O8 + 61.026 MeV [28.144 MeV] (A_S:86)
33S16 + 5 D* --> 28Si14 + 15N7 + 60.484 MeV [27.602 MeV] (A_S:87)
33S16 + 5 D* --> 29Si14 + 14N7 + 58.124 MeV [25.242 MeV] (A_S:88)
33S16 + 5 D* --> 31P15 + 12C6 + 63.533 MeV [30.651 MeV] (A_S:89)
33S16 + 5 D* --> 32S16 + 11B5 + 56.440 MeV [23.558 MeV] (A_S:90)
33S16 + 5 D* --> 33S16 + 10B5 + 53.628 MeV [20.746 MeV] (A_S:91)
33S16 + 5 D* --> 36Ar18 + 7Li3 + 54.416 MeV [21.534 MeV] (A_S:92)
33S16 + 5 D* --> 39K19 + 4He2 + 70.475 MeV [37.592 MeV] (A_S:93)
33S16 + 5 D* --> 40K19 + 3He2 + 57.697 MeV [24.814 MeV] (A_S:94)
33S16 + 5 D* --> 42Ca20 + 1H1 + 70.351 MeV [37.468 MeV] (A_S:95)

33S16 + 6 D* --> 24Mg12 + 21Ne10 + 71.894 MeV [31.085 MeV] (A_S:96)
33S16 + 6 D* --> 25Mg12 + 20Ne10 + 72.463 MeV [31.654 MeV] (A_S:97)
33S16 + 6 D* --> 28Si14 + 17O8 + 74.530 MeV [33.721 MeV] (A_S:98)
33S16 + 6 D* --> 29Si14 + 16O8 + 78.860 MeV [38.052 MeV] (A_S:99)
33S16 + 6 D* --> 31P15 + 14N7 + 73.806 MeV [32.997 MeV] (A_S:100)
33S16 + 6 D* --> 32S16 + 13C6 + 75.119 MeV [34.310 MeV] (A_S:101)
33S16 + 6 D* --> 33S16 + 12C6 + 78.814 MeV [38.006 MeV] (A_S:102)
33S16 + 6 D* --> 35Cl17 + 10B5 + 69.191 MeV [28.382 MeV] (A_S:103)
33S16 + 6 D* --> 36Ar18 + 9Be4 + 71.112 MeV [30.304 MeV] (A_S:104)
33S16 + 6 D* --> 39K19 + 6Li3 + 71.949 MeV [31.140 MeV] (A_S:105)
33S16 + 6 D* --> 42Ca20 + 3He2 + 75.844 MeV [35.036 MeV] (A_S:106)

33S16 + 7 D* --> 24Mg12 + 23Na11 + 88.827 MeV [39.668 MeV] (A_S:107)
33S16 + 7 D* --> 27Al13 + 20Ne10 + 89.603 MeV [40.443 MeV] (A_S:108)
33S16 + 7 D* --> 28Si14 + 19F9 + 88.344 MeV [39.185 MeV] (A_S:109)
33S16 + 7 D* --> 31P15 + 16O8 + 94.542 MeV [45.382 MeV] (A_S:110)
33S16 + 7 D* --> 32S16 + 15N7 + 91.278 MeV [42.119 MeV] (A_S:111)
33S16 + 7 D* --> 33S16 + 14N7 + 89.087 MeV [39.927 MeV] (A_S:112)

33S16 + 7 D* --> 35Cl17 + 12C6 + 94.378 MeV [45.218 MeV] (A_S:113)
33S16 + 7 D* --> 36Ar18 + 11B5 + 86.928 MeV [37.768 MeV] (A_S:114)
33S16 + 7 D* --> 40Ca20 + 7Li3 + 85.302 MeV [36.143 MeV] (A_S:115)
33S16 + 7 D* --> 46Ti22 + 1H1 + 102.199 MeV [53.039 MeV] (A_S:116)

33S16 + 8 D* --> 25Mg12 + 24Mg12 + 105.626 MeV [47.700 MeV] (A_S:117)
33S16 + 8 D* --> 28Si14 + 21Ne10 + 105.724 MeV [47.799 MeV] (A_S:118)
33S16 + 8 D* --> 29Si14 + 20Ne10 + 107.437 MeV [49.511 MeV] (A_S:119)
33S16 + 8 D* --> 32S16 + 17O8 + 105.324 MeV [47.399 MeV] (A_S:120)
33S16 + 8 D* --> 33S16 + 16O8 + 109.823 MeV [51.897 MeV] (A_S:121)
33S16 + 8 D* --> 35Cl17 + 14N7 + 104.650 MeV [46.724 MeV] (A_S:122)
33S16 + 8 D* --> 36Ar18 + 13C6 + 105.606 MeV [47.681 MeV] (A_S:123)
33S16 + 8 D* --> 39K19 + 10B5 + 100.256 MeV [42.330 MeV] (A_S:124)
33S16 + 8 D* --> 40Ca20 + 9Be4 + 101.998 MeV [44.073 MeV] (A_S:125)
33S16 + 8 D* --> 46Ti22 + 3He2 + 107.692 MeV [49.766 MeV] (A_S:126)

33S16 + 9 D* --> 27Al13 + 24Mg12 + 122.766 MeV [55.667 MeV] (A_S:127)
33S16 + 9 D* --> 28Si14 + 23Na11 + 122.658 MeV [55.559 MeV] (A_S:128)
33S16 + 9 D* --> 31P15 + 20Ne10 + 123.118 MeV [56.019 MeV] (A_S:129)
33S16 + 9 D* --> 32S16 + 19F9 + 119.139 MeV [52.040 MeV] (A_S:130)
33S16 + 9 D* --> 35Cl17 + 16O8 + 125.386 MeV [58.287 MeV] (A_S:131)
33S16 + 9 D* --> 36Ar18 + 15N7 + 121.766 MeV [54.667 MeV] (A_S:132)
33S16 + 9 D* --> 39K19 + 12C6 + 125.443 MeV [58.343 MeV] (A_S:133)
33S16 + 9 D* --> 40Ca20 + 11B5 + 117.814 MeV [50.715 MeV] (A_S:134)
33S16 + 9 D* --> 50Cr24 + 1H1 + 134.606 MeV [67.507 MeV] (A_S:135)

33S16 + 10 D* --> 28Si14 + 25Mg12 + 139.457 MeV [62.785 MeV] (A_S:136)
33S16 + 10 D* --> 29Si14 + 24Mg12 + 140.600 MeV [63.928 MeV] (A_S:137)
33S16 + 10 D* --> 32S16 + 21Ne10 + 136.519 MeV [59.847 MeV] (A_S:138)
33S16 + 10 D* --> 33S16 + 20Ne10 + 138.399 MeV [61.728 MeV] (A_S:139)
33S16 + 10 D* --> 36Ar18 + 17O8 + 135.812 MeV [59.140 MeV] (A_S:140)
33S16 + 10 D* --> 39K19 + 14N7 + 135.715 MeV [59.043 MeV] (A_S:141)
33S16 + 10 D* --> 40Ca20 + 13C6 + 136.492 MeV [59.821 MeV] (A_S:142)
33S16 + 10 D* --> 50Cr24 + 3He2 + 140.100 MeV [63.428 MeV] (A_S:143)

33S16 + 11 D* --> 28Si14 + 27Al13 + 156.596 MeV [69.961 MeV] (A_S:144)
33S16 + 11 D* --> 31P15 + 24Mg12 + 156.281 MeV [69.646 MeV] (A_S:145)
33S16 + 11 D* --> 32S16 + 23Na11 + 153.452 MeV [66.817 MeV] (A_S:146)
33S16 + 11 D* --> 35Cl17 + 20Ne10 + 153.962 MeV [67.327 MeV] (A_S:147)
33S16 + 11 D* --> 36Ar18 + 19F9 + 149.626 MeV [62.990 MeV] (A_S:148)
33S16 + 11 D* --> 39K19 + 16O8 + 156.451 MeV [69.815 MeV] (A_S:149)
33S16 + 11 D* --> 40Ca20 + 15N7 + 152.652 MeV [66.016 MeV] (A_S:150)
33S16 + 11 D* --> 54Fe26 + 1H1 + 166.870 MeV [80.235 MeV] (A_S:151)

33S16 + 12 D* --> 29Si14 + 28Si14 + 174.431 MeV [77.445 MeV] (A_S:152)
33S16 + 12 D* --> 32S16 + 25Mg12 + 170.251 MeV [73.266 MeV] (A_S:153)
33S16 + 12 D* --> 33S16 + 24Mg12 + 171.562 MeV [74.577 MeV] (A_S:154)
33S16 + 12 D* --> 36Ar18 + 21Ne10 + 167.006 MeV [70.021 MeV] (A_S:155)
33S16 + 12 D* --> 40Ca20 + 17O8 + 166.698 MeV [69.712 MeV] (A_S:156)
33S16 + 12 D* --> 54Fe26 + 3He2 + 172.364 MeV [75.379 MeV] (A_S:157)

34S16 + 2 D* --> 20Ne10 + 18O8 + 4.163 MeV [-7.487 MeV] (A_S:158)
34S16 + 2 D* --> 21Ne10 + 17O8 + 2.880 MeV [-8.770 MeV] (A_S:159)

34S16 + 2 D* --> 22Ne10 + 16O8 + 9.101 MeV [-2.549 MeV] (A_S:160)
34S16 + 2 D* --> 23Na11 + 15N7 + 5.768 MeV [-5.882 MeV] (A_S:161)
34S16 + 2 D* --> 25Mg12 + 13C6 + 6.407 MeV [-5.243 MeV] (A_S:162)
34S16 + 2 D* --> 26Mg12 + 12C6 + 12.554 MeV [00.904 MeV] (A_S:163)
34S16 + 2 D* --> 27Al13 + 11B5 + 4.868 MeV [-6.782 MeV] (A_S:164)
34S16 + 2 D* --> 29Si14 + 9Be4 + 6.887 MeV [-4.763 MeV] (A_S:165)
34S16 + 2 D* --> 31P15 + 7Li3 + 5.872 MeV [-5.778 MeV] (A_S:166)
34S16 + 2 D* --> 34S16 + 4He2 + 23.847 MeV [12.196 MeV] (A_S:167)
34S16 + 2 D* --> 37Cl17 + 1H1 + 20.812 MeV [9.162 MeV] (A_S:168)
34S16 + 2 D* --> 38Ar18 + 31.054 MeV [19.404 MeV] (A_S:169)

34S16 + 3 D* --> 21Ne10 + 19F9 + 16.695 MeV [-1.495 MeV] (A_S:170)
34S16 + 3 D* --> 23Na11 + 17O8 + 19.814 MeV [1.624 MeV] (A_S:171)
34S16 + 3 D* --> 25Mg12 + 15N7 + 22.567 MeV [4.377 MeV] (A_S:172)
34S16 + 3 D* --> 26Mg12 + 14N7 + 22.827 MeV [4.637 MeV] (A_S:173)
34S16 + 3 D* --> 27Al13 + 13C6 + 23.547 MeV [5.357 MeV] (A_S:174)
34S16 + 3 D* --> 29Si14 + 11B5 + 22.702 MeV [4.513 MeV] (A_S:175)
34S16 + 3 D* --> 30Si14 + 10B5 + 21.858 MeV [3.668 MeV] (A_S:176)
34S16 + 3 D* --> 31P15 + 9Be4 + 22.569 MeV [4.379 MeV] (A_S:177)
34S16 + 3 D* --> 33S16 + 7Li3 + 21.153 MeV [2.964 MeV] (A_S:178)
34S16 + 3 D* --> 34S16 + 6Li3 + 25.320 MeV [7.131 MeV] (A_S:179)
34S16 + 3 D* --> 37Cl17 + 3He2 + 26.306 MeV [8.116 MeV] (A_S:180)
34S16 + 3 D* --> 38Ar18 + 2H1 + 31.054 MeV [12.864 MeV] (A_S:181)
34S16 + 3 D* --> 40K19 + 43.011 MeV [24.821 MeV] (A_S:182)

34S16 + 4 D* --> 21Ne10 + 21Ne10 + 34.075 MeV [8.887 MeV] (A_S:183)
34S16 + 4 D* --> 22Ne10 + 20Ne10 + 37.678 MeV [12.490 MeV] (A_S:184)
34S16 + 4 D* --> 23Na11 + 19F9 + 33.628 MeV [8.441 MeV] (A_S:185)
34S16 + 4 D* --> 24Mg12 + 18O8 + 37.326 MeV [12.139 MeV] (A_S:186)
34S16 + 4 D* --> 25Mg12 + 17O8 + 36.613 MeV [11.425 MeV] (A_S:187)
34S16 + 4 D* --> 26Mg12 + 16O8 + 43.563 MeV [18.375 MeV] (A_S:188)
34S16 + 4 D* --> 27Al13 + 15N7 + 39.706 MeV [14.519 MeV] (A_S:189)
34S16 + 4 D* --> 29Si14 + 13C6 + 41.381 MeV [16.194 MeV] (A_S:190)
34S16 + 4 D* --> 30Si14 + 12C6 + 47.044 MeV [21.857 MeV] (A_S:191)
34S16 + 4 D* --> 31P15 + 11B5 + 38.384 MeV [13.197 MeV] (A_S:192)
34S16 + 4 D* --> 33S16 + 9Be4 + 37.849 MeV [12.662 MeV] (A_S:193)
34S16 + 4 D* --> 35Cl17 + 7Li3 + 36.716 MeV [11.529 MeV] (A_S:194)
34S16 + 4 D* --> 38Ar18 + 4He2 + 54.901 MeV [29.713 MeV] (A_S:195)
34S16 + 4 D* --> 40K19 + 2H1 + 43.011 MeV [17.823 MeV] (A_S:196)
34S16 + 4 D* --> 41K19 + 1H1 + 50.881 MeV [25.694 MeV] (A_S:197)
34S16 + 4 D* --> 42Ca20 + 61.158 MeV [35.971 MeV] (A_S:198)

34S16 + 5 D* --> 23Na11 + 21Ne10 + 51.008 MeV [18.377 MeV] (A_S:199)
34S16 + 5 D* --> 25Mg12 + 19F9 + 50.427 MeV [17.796 MeV] (A_S:200)
34S16 + 5 D* --> 27Al13 + 17O8 + 53.752 MeV [21.121 MeV] (A_S:201)
34S16 + 5 D* --> 29Si14 + 15N7 + 57.540 MeV [24.909 MeV] (A_S:202)
34S16 + 5 D* --> 30Si14 + 14N7 + 57.316 MeV [24.685 MeV] (A_S:203)
34S16 + 5 D* --> 31P15 + 13C6 + 57.063 MeV [24.431 MeV] (A_S:204)
34S16 + 5 D* --> 33S16 + 11B5 + 53.665 MeV [21.034 MeV] (A_S:205)
34S16 + 5 D* --> 34S16 + 10B5 + 53.628 MeV [20.997 MeV] (A_S:206)
34S16 + 5 D* --> 35Cl17 + 9Be4 + 53.413 MeV [20.781 MeV] (A_S:207)
34S16 + 5 D* --> 38Ar18 + 6Li3 + 56.375 MeV [23.743 MeV] (A_S:208)
34S16 + 5 D* --> 40K19 + 4He2 + 66.857 MeV [34.226 MeV] (A_S:209)
34S16 + 5 D* --> 41K19 + 3He2 + 56.375 MeV [23.743 MeV] (A_S:210)

34S16 + 5 D* --> 42Ca20 + 2H1 + 61.158 MeV [28.527 MeV] (A_S:211)
34S16 + 5 D* --> 43Ca20 + 1H1 + 66.866 MeV [34.235 MeV] (A_S:212)

34S16 + 6 D* --> 23Na11 + 23Na11 + 67.942 MeV [27.431 MeV] (A_S:213)
34S16 + 6 D* --> 24Mg12 + 22Ne10 + 70.841 MeV [30.330 MeV] (A_S:214)
34S16 + 6 D* --> 25Mg12 + 21Ne10 + 67.807 MeV [27.296 MeV] (A_S:215)
34S16 + 6 D* --> 26Mg12 + 20Ne10 + 72.139 MeV [31.628 MeV] (A_S:216)
34S16 + 6 D* --> 27Al13 + 19F9 + 67.567 MeV [27.056 MeV] (A_S:217)
34S16 + 6 D* --> 28Si14 + 18O8 + 71.157 MeV [30.646 MeV] (A_S:218)
34S16 + 6 D* --> 29Si14 + 17O8 + 71.586 MeV [31.076 MeV] (A_S:219)
34S16 + 6 D* --> 30Si14 + 16O8 + 78.052 MeV [37.542 MeV] (A_S:220)
34S16 + 6 D* --> 31P15 + 15N7 + 73.222 MeV [32.711 MeV] (A_S:221)
34S16 + 6 D* --> 33S16 + 13C6 + 72.344 MeV [31.833 MeV] (A_S:222)
34S16 + 6 D* --> 34S16 + 12C6 + 78.814 MeV [38.304 MeV] (A_S:223)
34S16 + 6 D* --> 35Cl17 + 11B5 + 69.228 MeV [28.717 MeV] (A_S:224)
34S16 + 6 D* --> 39K19 + 7Li3 + 67.781 MeV [27.271 MeV] (A_S:225)
34S16 + 6 D* --> 40K19 + 6Li3 + 68.331 MeV [27.820 MeV] (A_S:226)
34S16 + 6 D* --> 42Ca20 + 4He2 + 85.005 MeV [44.494 MeV] (A_S:227)
34S16 + 6 D* --> 43Ca20 + 3He2 + 72.360 MeV [31.849 MeV] (A_S:228)
34S16 + 6 D* --> 45Sc21 + 1H1 + 82.661 MeV [42.151 MeV] (A_S:229)
34S16 + 6 D* --> 46Ti22 + 93.006 MeV [52.495 MeV] (A_S:230)

34S16 + 7 D* --> 25Mg12 + 23Na11 + 84.741 MeV [35.925 MeV] (A_S:231)
34S16 + 7 D* --> 27Al13 + 21Ne10 + 84.947 MeV [36.131 MeV] (A_S:232)
34S16 + 7 D* --> 29Si14 + 19F9 + 85.401 MeV [36.585 MeV] (A_S:233)
34S16 + 7 D* --> 31P15 + 17O8 + 87.268 MeV [38.452 MeV] (A_S:234)
34S16 + 7 D* --> 33S16 + 15N7 + 88.503 MeV [39.687 MeV] (A_S:235)
34S16 + 7 D* --> 34S16 + 14N7 + 89.087 MeV [40.271 MeV] (A_S:236)
34S16 + 7 D* --> 35Cl17 + 13C6 + 87.907 MeV [39.091 MeV] (A_S:237)
34S16 + 7 D* --> 38Ar18 + 10B5 + 84.682 MeV [35.866 MeV] (A_S:238)
34S16 + 7 D* --> 39K19 + 9Be4 + 84.478 MeV [35.662 MeV] (A_S:239)
34S16 + 7 D* --> 42Ca20 + 6Li3 + 86.479 MeV [37.663 MeV] (A_S:240)
34S16 + 7 D* --> 45Sc21 + 3He2 + 88.155 MeV [39.339 MeV] (A_S:241)
34S16 + 7 D* --> 46Ti22 + 2H1 + 93.006 MeV [44.190 MeV] (A_S:242)
34S16 + 7 D* --> 47Ti22 + 1H1 + 99.662 MeV [50.846 MeV] (A_S:243)

34S16 + 8 D* --> 25Mg12 + 25Mg12 + 101.540 MeV [44.003 MeV] (A_S:244)
34S16 + 8 D* --> 26Mg12 + 24Mg12 + 105.302 MeV [47.765 MeV] (A_S:245)
34S16 + 8 D* --> 27Al13 + 23Na11 + 101.880 MeV [44.344 MeV] (A_S:246)
34S16 + 8 D* --> 28Si14 + 22Ne10 + 104.671 MeV [47.135 MeV] (A_S:247)
34S16 + 8 D* --> 29Si14 + 21Ne10 + 102.781 MeV [45.244 MeV] (A_S:248)
34S16 + 8 D* --> 30Si14 + 20Ne10 + 106.629 MeV [49.092 MeV] (A_S:249)
34S16 + 8 D* --> 31P15 + 19F9 + 101.082 MeV [43.545 MeV] (A_S:250)
34S16 + 8 D* --> 32S16 + 18O8 + 101.951 MeV [44.414 MeV] (A_S:251)
34S16 + 8 D* --> 33S16 + 17O8 + 102.549 MeV [45.012 MeV] (A_S:252)
34S16 + 8 D* --> 34S16 + 16O8 + 109.823 MeV [52.286 MeV] (A_S:253)
34S16 + 8 D* --> 35Cl17 + 15N7 + 104.066 MeV [46.529 MeV] (A_S:254)
34S16 + 8 D* --> 38Ar18 + 12C6 + 109.869 MeV [52.332 MeV] (A_S:255)
34S16 + 8 D* --> 39K19 + 11B5 + 100.293 MeV [42.756 MeV] (A_S:256)
34S16 + 8 D* --> 40K19 + 10B5 + 96.638 MeV [39.101 MeV] (A_S:257)
34S16 + 8 D* --> 46Ti22 + 4He2 + 116.852 MeV [59.316 MeV] (A_S:258)
34S16 + 8 D* --> 47Ti22 + 3He2 + 105.155 MeV [47.618 MeV] (A_S:259)
34S16 + 8 D* --> 50Cr24 + 125.413 MeV [67.877 MeV] (A_S:260)

34S16 + 9 D* --> 27Al13 + 25Mg12 + 118.679 MeV [52.013 MeV] (A_S:261)
34S16 + 9 D* --> 29Si14 + 23Na11 + 119.715 MeV [53.048 MeV] (A_S:262)
34S16 + 9 D* --> 31P15 + 21Ne10 + 118.462 MeV [51.796 MeV] (A_S:263)
34S16 + 9 D* --> 33S16 + 19F9 + 116.363 MeV [49.697 MeV] (A_S:264)
34S16 + 9 D* --> 35Cl17 + 17O8 + 118.112 MeV [51.446 MeV] (A_S:265)
34S16 + 9 D* --> 38Ar18 + 14N7 + 120.141 MeV [53.475 MeV] (A_S:266)
34S16 + 9 D* --> 39K19 + 13C6 + 118.972 MeV [52.306 MeV] (A_S:267)
34S16 + 9 D* --> 40K19 + 12C6 + 121.825 MeV [55.159 MeV] (A_S:268)
34S16 + 9 D* --> 42Ca20 + 10B5 + 114.786 MeV [48.120 MeV] (A_S:269)
34S16 + 9 D* --> 46Ti22 + 6Li3 + 118.326 MeV [51.660 MeV] (A_S:270)
34S16 + 9 D* --> 50Cr24 + 2H1 + 125.413 MeV [58.747 MeV] (A_S:271)

34S16 + 10 D* --> 27Al13 + 27Al13 + 135.819 MeV [59.623 MeV] (A_S:272)
34S16 + 10 D* --> 28Si14 + 26Mg12 + 139.133 MeV [62.938 MeV] (A_S:273)
34S16 + 10 D* --> 29Si14 + 25Mg12 + 136.513 MeV [60.318 MeV] (A_S:274)
34S16 + 10 D* --> 30Si14 + 24Mg12 + 139.792 MeV [63.597 MeV] (A_S:275)
34S16 + 10 D* --> 31P15 + 23Na11 + 135.396 MeV [59.201 MeV] (A_S:276)
34S16 + 10 D* --> 32S16 + 22Ne10 + 135.466 MeV [59.271 MeV] (A_S:277)
34S16 + 10 D* --> 33S16 + 21Ne10 + 133.743 MeV [57.548 MeV] (A_S:278)
34S16 + 10 D* --> 34S16 + 20Ne10 + 138.399 MeV [62.204 MeV] (A_S:279)
34S16 + 10 D* --> 35Cl17 + 19F9 + 131.926 MeV [55.731 MeV] (A_S:280)
34S16 + 10 D* --> 36Ar18 + 18O8 + 132.438 MeV [56.243 MeV] (A_S:281)
34S16 + 10 D* --> 38Ar18 + 16O8 + 140.877 MeV [64.682 MeV] (A_S:282)
34S16 + 10 D* --> 39K19 + 15N7 + 135.131 MeV [58.936 MeV] (A_S:283)
34S16 + 10 D* --> 40K19 + 14N7 + 132.097 MeV [55.902 MeV] (A_S:284)
34S16 + 10 D* --> 42Ca20 + 12C6 + 139.973 MeV [63.777 MeV] (A_S:285)
34S16 + 10 D* --> 50Cr24 + 4He2 + 149.260 MeV [73.065 MeV] (A_S:286)
34S16 + 10 D* --> 54Fe26 + 157.678 MeV [81.483 MeV] (A_S:287)

34S16 + 11 D* --> 29Si14 + 27Al13 + 153.653 MeV [67.536 MeV] (A_S:288)
34S16 + 11 D* --> 31P15 + 25Mg12 + 152.195 MeV [66.078 MeV] (A_S:289)
34S16 + 11 D* --> 33S16 + 23Na11 + 150.677 MeV [64.560 MeV] (A_S:290)
34S16 + 11 D* --> 35Cl17 + 21Ne10 + 149.306 MeV [63.189 MeV] (A_S:291)
34S16 + 11 D* --> 39K19 + 17O8 + 149.177 MeV [63.060 MeV] (A_S:292)
34S16 + 11 D* --> 40K19 + 16O8 + 152.833 MeV [66.716 MeV] (A_S:293)
34S16 + 11 D* --> 42Ca20 + 14N7 + 150.245 MeV [64.128 MeV] (A_S:294)
34S16 + 11 D* --> 46Ti22 + 10B5 + 146.634 MeV [60.517 MeV] (A_S:295)
34S16 + 11 D* --> 50Cr24 + 6Li3 + 150.734 MeV [64.617 MeV] (A_S:296)
34S16 + 11 D* --> 54Fe26 + 2H1 + 157.678 MeV [71.561 MeV] (A_S:297)

34S16 + 12 D* --> 29Si14 + 29Si14 + 171.487 MeV [75.062 MeV] (A_S:298)
34S16 + 12 D* --> 30Si14 + 28Si14 + 173.623 MeV [77.198 MeV] (A_S:299)
34S16 + 12 D* --> 31P15 + 27Al13 + 169.334 MeV [72.910 MeV] (A_S:300)
34S16 + 12 D* --> 32S16 + 26Mg12 + 169.927 MeV [73.502 MeV] (A_S:301)
34S16 + 12 D* --> 33S16 + 25Mg12 + 167.476 MeV [71.051 MeV] (A_S:302)
34S16 + 12 D* --> 34S16 + 24Mg12 + 171.562 MeV [75.138 MeV] (A_S:303)
34S16 + 12 D* --> 35Cl17 + 23Na11 + 166.240 MeV [69.816 MeV] (A_S:304)
34S16 + 12 D* --> 36Ar18 + 22Ne10 + 165.953 MeV [69.528 MeV] (A_S:305)
34S16 + 12 D* --> 38Ar18 + 20Ne10 + 169.453 MeV [73.029 MeV] (A_S:306)
34S16 + 12 D* --> 39K19 + 19F9 + 162.991 MeV [66.567 MeV] (A_S:307)
34S16 + 12 D* --> 40Ca20 + 18O8 + 163.325 MeV [66.900 MeV] (A_S:308)
34S16 + 12 D* --> 42Ca20 + 16O8 + 170.981 MeV [74.556 MeV] (A_S:309)
34S16 + 12 D* --> 46Ti22 + 12C6 + 171.820 MeV [75.396 MeV] (A_S:310)
34S16 + 12 D* --> 54Fe26 + 4He2 + 181.524 MeV [85.100 MeV] (A_S:311)

34S16 + 12 D* --> 58Ni28 + 187.925 MeV [91.500 MeV] (A_S:312)

36S16 + 2 D* --> 22Ne10 + 18O8 + 4.414 MeV [-7.039 MeV] (A_S:313)
36S16 + 2 D* --> 36S16 + 4He2 + 23.847 MeV [12.394 MeV] (A_S:314)
36S16 + 2 D* --> 40Ar18 + 30.647 MeV [19.194 MeV] (A_S:315)

36S16 + 3 D* --> 36S16 + 6Li3 + 25.320 MeV [7.424 MeV] (A_S:316)
36S16 + 3 D* --> 40Ar18 + 2H1 + 30.647 MeV [12.751 MeV] (A_S:317)

36S16 + 4 D* --> 22Ne10 + 22Ne10 + 37.928 MeV [13.128 MeV] (A_S:318)
36S16 + 4 D* --> 26Mg12 + 18O8 + 38.875 MeV [14.075 MeV] (A_S:319)
36S16 + 4 D* --> 37Cl17 + 7Li3 + 38.732 MeV [13.932 MeV] (A_S:320)
36S16 + 4 D* --> 40Ar18 + 4He2 + 54.494 MeV [29.694 MeV] (A_S:321)
36S16 + 4 D* --> 44Ca20 + 63.347 MeV [38.547 MeV] (A_S:322)

36S16 + 5 D* --> 36S16 + 10B5 + 53.628 MeV [21.476 MeV] (A_S:323)
36S16 + 5 D* --> 37Cl17 + 9Be4 + 55.428 MeV [23.277 MeV] (A_S:324)
36S16 + 5 D* --> 40Ar18 + 6Li3 + 55.968 MeV [23.816 MeV] (A_S:325)
36S16 + 5 D* --> 44Ca20 + 2H1 + 63.347 MeV [31.196 MeV] (A_S:326)

36S16 + 6 D* --> 26Mg12 + 22Ne10 + 72.390 MeV [32.449 MeV] (A_S:327)
36S16 + 6 D* --> 30Si14 + 18O8 + 73.365 MeV [33.425 MeV] (A_S:328)
36S16 + 6 D* --> 36S16 + 12C6 + 78.814 MeV [38.874 MeV] (A_S:329)
36S16 + 6 D* --> 37Cl17 + 11B5 + 71.244 MeV [31.304 MeV] (A_S:330)
36S16 + 6 D* --> 41K19 + 7Li3 + 68.801 MeV [28.861 MeV] (A_S:331)
36S16 + 6 D* --> 44Ca20 + 4He2 + 87.194 MeV [47.254 MeV] (A_S:332)
36S16 + 6 D* --> 48Ti22 + 96.638 MeV [56.698 MeV] (A_S:333)

36S16 + 7 D* --> 36S16 + 14N7 + 89.087 MeV [40.931 MeV] (A_S:334)
36S16 + 7 D* --> 37Cl17 + 13C6 + 89.922 MeV [41.767 MeV] (A_S:335)
36S16 + 7 D* --> 40Ar18 + 10B5 + 84.275 MeV [36.119 MeV] (A_S:336)
36S16 + 7 D* --> 41K19 + 9Be4 + 85.497 MeV [37.341 MeV] (A_S:337)
36S16 + 7 D* --> 43Ca20 + 7Li3 + 84.786 MeV [36.631 MeV] (A_S:338)
36S16 + 7 D* --> 44Ca20 + 6Li3 + 88.668 MeV [40.512 MeV] (A_S:339)
36S16 + 7 D* --> 48Ti22 + 2H1 + 96.638 MeV [48.482 MeV] (A_S:340)
36S16 + 7 D* --> 49Ti22 + 1H1 + 102.556 MeV [54.400 MeV] (A_S:341)
36S16 + 7 D* --> 50V23 + 110.508 MeV [62.352 MeV] (A_S:342)

36S16 + 8 D* --> 26Mg12 + 26Mg12 + 106.851 MeV [50.061 MeV] (A_S:343)
36S16 + 8 D* --> 30Si14 + 22Ne10 + 106.879 MeV [50.090 MeV] (A_S:344)
36S16 + 8 D* --> 34S16 + 18O8 + 105.135 MeV [48.345 MeV] (A_S:345)
36S16 + 8 D* --> 36S16 + 16O8 + 109.823 MeV [53.033 MeV] (A_S:346)
36S16 + 8 D* --> 37Cl17 + 15N7 + 106.082 MeV [49.292 MeV] (A_S:347)
36S16 + 8 D* --> 40Ar18 + 12C6 + 109.462 MeV [52.672 MeV] (A_S:348)
36S16 + 8 D* --> 41K19 + 11B5 + 101.313 MeV [44.523 MeV] (A_S:349)
36S16 + 8 D* --> 43Ca20 + 9Be4 + 101.483 MeV [44.693 MeV] (A_S:350)
36S16 + 8 D* --> 45Sc21 + 7Li3 + 100.581 MeV [43.792 MeV] (A_S:351)
36S16 + 8 D* --> 48Ti22 + 4He2 + 120.485 MeV [63.695 MeV] (A_S:352)
36S16 + 8 D* --> 49Ti22 + 3He2 + 108.049 MeV [51.260 MeV] (A_S:353)
36S16 + 8 D* --> 50V23 + 2H1 + 110.508 MeV [53.718 MeV] (A_S:354)
36S16 + 8 D* --> 51V23 + 1H1 + 119.334 MeV [62.544 MeV] (A_S:355)
36S16 + 8 D* --> 52Cr24 + 129.839 MeV [73.049 MeV] (A_S:356)

36S16 + 9 D* --> 37Cl17 + 17O8 + 120.128 MeV [54.295 MeV] (A_S:357)
36S16 + 9 D* --> 40Ar18 + 14N7 + 119.734 MeV [53.901 MeV] (A_S:358)
36S16 + 9 D* --> 41K19 + 13C6 + 119.991 MeV [54.159 MeV] (A_S:359)
36S16 + 9 D* --> 43Ca20 + 11B5 + 117.298 MeV [51.465 MeV] (A_S:360)
36S16 + 9 D* --> 44Ca20 + 10B5 + 116.975 MeV [51.142 MeV] (A_S:361)
36S16 + 9 D* --> 45Sc21 + 9Be4 + 117.278 MeV [51.445 MeV] (A_S:362)
36S16 + 9 D* --> 47Ti22 + 7Li3 + 117.582 MeV [51.749 MeV] (A_S:363)
36S16 + 9 D* --> 48Ti22 + 6Li3 + 121.958 MeV [56.126 MeV] (A_S:364)
36S16 + 9 D* --> 50V23 + 4He2 + 134.354 MeV [68.521 MeV] (A_S:365)
36S16 + 9 D* --> 51V23 + 3He2 + 124.828 MeV [58.995 MeV] (A_S:366)
36S16 + 9 D* --> 52Cr24 + 2H1 + 129.839 MeV [64.006 MeV] (A_S:367)
36S16 + 9 D* --> 53Cr24 + 1H1 + 135.553 MeV [69.720 MeV] (A_S:368)

36S16 + 10 D* --> 30Si14 + 26Mg12 + 141.341 MeV [66.064 MeV] (A_S:369)
36S16 + 10 D* --> 34S16 + 22Ne10 + 138.650 MeV [63.373 MeV] (A_S:370)
36S16 + 10 D* --> 36S16 + 20Ne10 + 138.399 MeV [63.122 MeV] (A_S:371)
36S16 + 10 D* --> 37Cl17 + 19F9 + 133.942 MeV [58.665 MeV] (A_S:372)
36S16 + 10 D* --> 38Ar18 + 18O8 + 136.189 MeV [60.912 MeV] (A_S:373)
36S16 + 10 D* --> 40Ar18 + 16O8 + 140.470 MeV [65.193 MeV] (A_S:374)
36S16 + 10 D* --> 41K19 + 15N7 + 136.151 MeV [60.874 MeV] (A_S:375)
36S16 + 10 D* --> 43Ca20 + 13C6 + 135.977 MeV [60.700 MeV] (A_S:376)
36S16 + 10 D* --> 44Ca20 + 12C6 + 142.162 MeV [66.884 MeV] (A_S:377)
36S16 + 10 D* --> 45Sc21 + 11B5 + 133.093 MeV [57.816 MeV] (A_S:378)
36S16 + 10 D* --> 47Ti22 + 9Be4 + 134.278 MeV [59.001 MeV] (A_S:379)
36S16 + 10 D* --> 50V23 + 6Li3 + 135.828 MeV [60.551 MeV] (A_S:380)
36S16 + 10 D* --> 52Cr24 + 4He2 + 153.685 MeV [78.408 MeV] (A_S:381)
36S16 + 10 D* --> 53Cr24 + 3He2 + 141.047 MeV [65.770 MeV] (A_S:382)
36S16 + 10 D* --> 55Mn25 + 1H1 + 151.115 MeV [75.838 MeV] (A_S:383)
36S16 + 10 D* --> 56Fe26 + 161.298 MeV [86.021 MeV] (A_S:384)

36S16 + 11 D* --> 37Cl17 + 21Ne10 + 151.322 MeV [66.207 MeV] (A_S:385)
36S16 + 11 D* --> 40K19 + 18O8 + 148.146 MeV [63.030 MeV] (A_S:386)
36S16 + 11 D* --> 41K19 + 17O8 + 150.197 MeV [65.081 MeV] (A_S:387)
36S16 + 11 D* --> 43Ca20 + 15N7 + 152.136 MeV [67.020 MeV] (A_S:388)
36S16 + 11 D* --> 44Ca20 + 14N7 + 152.434 MeV [67.318 MeV] (A_S:389)
36S16 + 11 D* --> 45Sc21 + 13C6 + 151.772 MeV [66.656 MeV] (A_S:390)
36S16 + 11 D* --> 47Ti22 + 11B5 + 150.093 MeV [64.978 MeV] (A_S:391)
36S16 + 11 D* --> 48Ti22 + 10B5 + 150.266 MeV [65.150 MeV] (A_S:392)
36S16 + 11 D* --> 52Cr24 + 6Li3 + 155.159 MeV [70.043 MeV] (A_S:393)
36S16 + 11 D* --> 55Mn25 + 3He2 + 156.608 MeV [71.493 MeV] (A_S:394)
36S16 + 11 D* --> 56Fe26 + 2H1 + 161.298 MeV [76.183 MeV] (A_S:395)
36S16 + 11 D* --> 57Fe26 + 1H1 + 166.720 MeV [81.604 MeV] (A_S:396)

36S16 + 12 D* --> 30Si14 + 30Si14 + 175.830 MeV [80.489 MeV] (A_S:397)
36S16 + 12 D* --> 34S16 + 26Mg12 + 173.111 MeV [77.770 MeV] (A_S:398)
36S16 + 12 D* --> 36S16 + 24Mg12 + 171.562 MeV [76.221 MeV] (A_S:399)
36S16 + 12 D* --> 37Cl17 + 23Na11 + 168.256 MeV [72.915 MeV] (A_S:400)
36S16 + 12 D* --> 38Ar18 + 22Ne10 + 169.704 MeV [74.363 MeV] (A_S:401)
36S16 + 12 D* --> 40Ar18 + 20Ne10 + 169.046 MeV [73.705 MeV] (A_S:402)
36S16 + 12 D* --> 41K19 + 19F9 + 164.011 MeV [68.670 MeV] (A_S:403)
36S16 + 12 D* --> 42Ca20 + 18O8 + 166.293 MeV [70.952 MeV] (A_S:404)
36S16 + 12 D* --> 43Ca20 + 17O8 + 166.182 MeV [70.841 MeV] (A_S:405)
36S16 + 12 D* --> 44Ca20 + 16O8 + 173.170 MeV [77.829 MeV] (A_S:406)
36S16 + 12 D* --> 45Sc21 + 15N7 + 167.931 MeV [72.590 MeV] (A_S:407)

36S16 + 12 D* --> 47Ti22 + 13C6 + 168.772 MeV [73.431 MeV] (A_S:408)
36S16 + 12 D* --> 48Ti22 + 12C6 + 175.452 MeV [80.111 MeV] (A_S:409)
36S16 + 12 D* --> 50V23 + 10B5 + 164.135 MeV [68.794 MeV] (A_S:410)
36S16 + 12 D* --> 56Fe26 + 4He2 + 185.145 MeV [89.804 MeV] (A_S:411)
36S16 + 12 D* --> 57Fe26 + 3He2 + 172.214 MeV [76.872 MeV] (A_S:412)
36S16 + 12 D* --> 59Co27 + 1H1 + 181.904 MeV [86.563 MeV] (A_S:413)
36S16 + 12 D* --> 60Ni28 + 191.437 MeV [96.096 MeV] (A_S:414)

---------- Equations follow for Chlorine, Cl, element 17 ----------

35Cl17 + D* --> 33S16 + 4He2 + 8.283 MeV [2.406 MeV] (A_Cl:1)

35Cl17 + 2 D* --> 20Ne10 + 19F9 + 5.787 MeV [-6.442 MeV] (A_Cl:2)
35Cl17 + 2 D* --> 23Na11 + 16O8 + 11.525 MeV [-0.704 MeV] (A_Cl:3)
35Cl17 + 2 D* --> 24Mg12 + 15N7 + 11.090 MeV [-1.139 MeV] (A_Cl:4)
35Cl17 + 2 D* --> 25Mg12 + 14N7 + 7.587 MeV [-4.642 MeV] (A_Cl:5)
35Cl17 + 2 D* --> 27Al13 + 12C6 + 14.455 MeV [2.225 MeV] (A_Cl:6)
35Cl17 + 2 D* --> 28Si14 + 11B5 + 10.083 MeV [-2.146 MeV] (A_Cl:7)
35Cl17 + 2 D* --> 29Si14 + 10B5 + 7.102 MeV [-5.127 MeV] (A_Cl:8)
35Cl17 + 2 D* --> 32S16 + 7Li3 + 8.365 MeV [-3.864 MeV] (A_Cl:9)
35Cl17 + 2 D* --> 33S16 + 6Li3 + 9.757 MeV [-2.472 MeV] (A_Cl:10)
35Cl17 + 2 D* --> 35Cl17 + 4He2 + 23.847 MeV [11.617 MeV] (A_Cl:11)
35Cl17 + 2 D* --> 38Ar18 + 1H1 + 24.683 MeV [12.454 MeV] (A_Cl:12)
35Cl17 + 2 D* --> 39K19 + 31.065 MeV [18.836 MeV] (A_Cl:13)

35Cl17 + 3 D* --> 21Ne10 + 20Ne10 + 23.167 MeV [4.124 MeV] (A_Cl:14)
35Cl17 + 3 D* --> 24Mg12 + 17O8 + 25.136 MeV [6.093 MeV] (A_Cl:15)
35Cl17 + 3 D* --> 25Mg12 + 16O8 + 28.323 MeV [9.281 MeV] (A_Cl:16)
35Cl17 + 3 D* --> 27Al13 + 14N7 + 24.727 MeV [5.684 MeV] (A_Cl:17)
35Cl17 + 3 D* --> 28Si14 + 13C6 + 28.761 MeV [9.719 MeV] (A_Cl:18)
35Cl17 + 3 D* --> 29Si14 + 12C6 + 32.289 MeV [13.246 MeV] (A_Cl:19)
35Cl17 + 3 D* --> 31P15 + 10B5 + 22.784 MeV [3.741 MeV] (A_Cl:20)
35Cl17 + 3 D* --> 32S16 + 9Be4 + 25.062 MeV [6.019 MeV] (A_Cl:21)
35Cl17 + 3 D* --> 35Cl17 + 6Li3 + 25.320 MeV [6.277 MeV] (A_Cl:22)
35Cl17 + 3 D* --> 38Ar18 + 3He2 + 30.177 MeV [11.134 MeV] (A_Cl:23)
35Cl17 + 3 D* --> 39K19 + 2H1 + 31.065 MeV [12.022 MeV] (A_Cl:24)
35Cl17 + 3 D* --> 40K19 + 1H1 + 36.640 MeV [17.597 MeV] (A_Cl:25)

35Cl17 + 4 D* --> 23Na11 + 20Ne10 + 40.101 MeV [13.795 MeV] (A_Cl:26)
35Cl17 + 4 D* --> 24Mg12 + 19F9 + 38.950 MeV [12.644 MeV] (A_Cl:27)
35Cl17 + 4 D* --> 27Al13 + 16O8 + 45.463 MeV [19.157 MeV] (A_Cl:28)
35Cl17 + 4 D* --> 28Si14 + 15N7 + 44.921 MeV [18.615 MeV] (A_Cl:29)
35Cl17 + 4 D* --> 29Si14 + 14N7 + 42.561 MeV [16.255 MeV] (A_Cl:30)
35Cl17 + 4 D* --> 31P15 + 12C6 + 47.970 MeV [21.664 MeV] (A_Cl:31)
35Cl17 + 4 D* --> 32S16 + 11B5 + 40.877 MeV [14.571 MeV] (A_Cl:32)
35Cl17 + 4 D* --> 33S16 + 10B5 + 38.065 MeV [11.759 MeV] (A_Cl:33)
35Cl17 + 4 D* --> 36Ar18 + 7Li3 + 38.853 MeV [12.547 MeV] (A_Cl:34)
35Cl17 + 4 D* --> 39K19 + 4He2 + 54.911 MeV [28.606 MeV] (A_Cl:35)
35Cl17 + 4 D* --> 40K19 + 3He2 + 42.133 MeV [15.827 MeV] (A_Cl:36)
35Cl17 + 4 D* --> 42Ca20 + 1H1 + 54.787 MeV [28.482 MeV] (A_Cl:37)

35Cl17 + 5 D* --> 24Mg12 + 21Ne10 + 56.330 MeV [22.323 MeV] (A_Cl:38)
35Cl17 + 5 D* --> 25Mg12 + 20Ne10 + 56.900 MeV [22.893 MeV] (A_Cl:39)
35Cl17 + 5 D* --> 28Si14 + 17O8 + 58.967 MeV [24.959 MeV] (A_Cl:40)

35Cl17 + 5 D* --> 29Si14 + 16O8 + 63.297 MeV [29.290 MeV] (A_Cl:41)
35Cl17 + 5 D* --> 31P15 + 14N7 + 58.243 MeV [24.235 MeV] (A_Cl:42)
35Cl17 + 5 D* --> 32S16 + 13C6 + 59.556 MeV [25.549 MeV] (A_Cl:43)
35Cl17 + 5 D* --> 33S16 + 12C6 + 63.251 MeV [29.244 MeV] (A_Cl:44)
35Cl17 + 5 D* --> 35Cl17 + 10B5 + 53.628 MeV [19.621 MeV] (A_Cl:45)
35Cl17 + 5 D* --> 36Ar18 + 9Be4 + 55.549 MeV [21.542 MeV] (A_Cl:46)
35Cl17 + 5 D* --> 39K19 + 6Li3 + 56.385 MeV [22.378 MeV] (A_Cl:47)
35Cl17 + 5 D* --> 42Ca20 + 3He2 + 60.281 MeV [26.274 MeV] (A_Cl:48)

35Cl17 + 6 D* --> 24Mg12 + 23Na11 + 73.264 MeV [31.128 MeV] (A_Cl:49)
35Cl17 + 6 D* --> 27Al13 + 20Ne10 + 74.039 MeV [31.903 MeV] (A_Cl:50)
35Cl17 + 6 D* --> 28Si14 + 19F9 + 72.781 MeV [30.644 MeV] (A_Cl:51)
35Cl17 + 6 D* --> 31P15 + 16O8 + 78.979 MeV [36.842 MeV] (A_Cl:52)
35Cl17 + 6 D* --> 32S16 + 15N7 + 75.715 MeV [33.578 MeV] (A_Cl:53)
35Cl17 + 6 D* --> 33S16 + 14N7 + 73.523 MeV [31.387 MeV] (A_Cl:54)
35Cl17 + 6 D* --> 35Cl17 + 12C6 + 78.814 MeV [36.678 MeV] (A_Cl:55)
35Cl17 + 6 D* --> 36Ar18 + 11B5 + 71.364 MeV [29.228 MeV] (A_Cl:56)
35Cl17 + 6 D* --> 40Ca20 + 7Li3 + 69.739 MeV [27.602 MeV] (A_Cl:57)
35Cl17 + 6 D* --> 46Ti22 + 1H1 + 86.635 MeV [44.499 MeV] (A_Cl:58)

35Cl17 + 7 D* --> 25Mg12 + 24Mg12 + 90.063 MeV [39.378 MeV] (A_Cl:59)
35Cl17 + 7 D* --> 28Si14 + 21Ne10 + 90.161 MeV [39.476 MeV] (A_Cl:60)
35Cl17 + 7 D* --> 29Si14 + 20Ne10 + 91.873 MeV [41.188 MeV] (A_Cl:61)
35Cl17 + 7 D* --> 32S16 + 17O8 + 89.761 MeV [39.076 MeV] (A_Cl:62)
35Cl17 + 7 D* --> 33S16 + 16O8 + 94.260 MeV [43.574 MeV] (A_Cl:63)
35Cl17 + 7 D* --> 35Cl17 + 14N7 + 89.087 MeV [38.402 MeV] (A_Cl:64)
35Cl17 + 7 D* --> 36Ar18 + 13C6 + 90.043 MeV [39.358 MeV] (A_Cl:65)
35Cl17 + 7 D* --> 39K19 + 10B5 + 84.693 MeV [34.008 MeV] (A_Cl:66)
35Cl17 + 7 D* --> 40Ca20 + 9Be4 + 86.435 MeV [35.750 MeV] (A_Cl:67)
35Cl17 + 7 D* --> 46Ti22 + 3He2 + 92.129 MeV [41.444 MeV] (A_Cl:68)

35Cl17 + 8 D* --> 27Al13 + 24Mg12 + 107.202 MeV [47.559 MeV] (A_Cl:69)
35Cl17 + 8 D* --> 28Si14 + 23Na11 + 107.095 MeV [47.451 MeV] (A_Cl:70)
35Cl17 + 8 D* --> 31P15 + 20Ne10 + 107.555 MeV [47.911 MeV] (A_Cl:71)
35Cl17 + 8 D* --> 32S16 + 19F9 + 103.575 MeV [43.932 MeV] (A_Cl:72)
35Cl17 + 8 D* --> 35Cl17 + 16O8 + 109.823 MeV [50.179 MeV] (A_Cl:73)
35Cl17 + 8 D* --> 36Ar18 + 15N7 + 106.202 MeV [46.559 MeV] (A_Cl:74)
35Cl17 + 8 D* --> 39K19 + 12C6 + 109.879 MeV [50.236 MeV] (A_Cl:75)
35Cl17 + 8 D* --> 40Ca20 + 11B5 + 102.251 MeV [42.607 MeV] (A_Cl:76)
35Cl17 + 8 D* --> 50Cr24 + 1H1 + 119.043 MeV [59.399 MeV] (A_Cl:77)

35Cl17 + 9 D* --> 28Si14 + 25Mg12 + 123.894 MeV [54.889 MeV] (A_Cl:78)
35Cl17 + 9 D* --> 29Si14 + 24Mg12 + 125.037 MeV [56.032 MeV] (A_Cl:79)
35Cl17 + 9 D* --> 32S16 + 21Ne10 + 120.955 MeV [51.951 MeV] (A_Cl:80)
35Cl17 + 9 D* --> 33S16 + 20Ne10 + 122.836 MeV [53.832 MeV] (A_Cl:81)
35Cl17 + 9 D* --> 36Ar18 + 17O8 + 120.248 MeV [51.244 MeV] (A_Cl:82)
35Cl17 + 9 D* --> 39K19 + 14N7 + 120.152 MeV [51.147 MeV] (A_Cl:83)
35Cl17 + 9 D* --> 40Ca20 + 13C6 + 120.929 MeV [51.925 MeV] (A_Cl:84)
35Cl17 + 9 D* --> 50Cr24 + 3He2 + 124.536 MeV [55.532 MeV] (A_Cl:85)

35Cl17 + 10 D* --> 28Si14 + 27Al13 + 141.033 MeV [62.273 MeV] (A_Cl:86)
35Cl17 + 10 D* --> 31P15 + 24Mg12 + 140.718 MeV [61.958 MeV] (A_Cl:87)
35Cl17 + 10 D* --> 32S16 + 23Na11 + 137.889 MeV [59.129 MeV] (A_Cl:88)
35Cl17 + 10 D* --> 35Cl17 + 20Ne10 + 138.399 MeV [59.639 MeV] (A_Cl:89)

35Cl17 + 10 D* --> 36Ar18 + 19F9 + 134.063 MeV [55.303 MeV] (A_Cl:90)
35Cl17 + 10 D* --> 39K19 + 16O8 + 140.888 MeV [62.128 MeV] (A_Cl:91)
35Cl17 + 10 D* --> 40Ca20 + 15N7 + 137.089 MeV [58.329 MeV] (A_Cl:92)
35Cl17 + 10 D* --> 54Fe26 + 1H1 + 151.307 MeV [72.547 MeV] (A_Cl:93)

35Cl17 + 11 D* --> 29Si14 + 28Si14 + 158.867 MeV [69.964 MeV] (A_Cl:94)
35Cl17 + 11 D* --> 32S16 + 25Mg12 + 154.688 MeV [65.785 MeV] (A_Cl:95)
35Cl17 + 11 D* --> 33S16 + 24Mg12 + 155.999 MeV [67.096 MeV] (A_Cl:96)
35Cl17 + 11 D* --> 36Ar18 + 21Ne10 + 151.443 MeV [62.540 MeV] (A_Cl:97)
35Cl17 + 11 D* --> 40Ca20 + 17O8 + 151.134 MeV [62.231 MeV] (A_Cl:98)
35Cl17 + 11 D* --> 54Fe26 + 3He2 + 156.801 MeV [67.897 MeV] (A_Cl:99)

35Cl17 + 12 D* --> 31P15 + 28Si14 + 174.549 MeV [75.121 MeV] (A_Cl:100)
35Cl17 + 12 D* --> 32S16 + 27Al13 + 171.827 MeV [72.400 MeV] (A_Cl:101)
35Cl17 + 12 D* --> 35Cl17 + 24Mg12 + 171.562 MeV [72.134 MeV] (A_Cl:102)
35Cl17 + 12 D* --> 36Ar18 + 23Na11 + 168.377 MeV [68.949 MeV] (A_Cl:103)
35Cl17 + 12 D* --> 39K19 + 20Ne10 + 169.464 MeV [70.036 MeV] (A_Cl:104)
35Cl17 + 12 D* --> 40Ca20 + 19F9 + 164.949 MeV [65.521 MeV] (A_Cl:105)
35Cl17 + 12 D* --> 58Ni28 + 1H1 + 181.554 MeV [82.126 MeV] (A_Cl:106)

37Cl17 + 2 D* --> 22Ne10 + 19F9 + 4.022 MeV [-8.005 MeV] (A_Cl:107)
37Cl17 + 2 D* --> 23Na11 + 18O8 + 4.821 MeV [-7.206 MeV] (A_Cl:108)
37Cl17 + 2 D* --> 26Mg12 + 15N7 + 10.623 MeV [-1.404 MeV] (A_Cl:109)
37Cl17 + 2 D* --> 30Si14 + 11B5 + 10.275 MeV [-1.752 MeV] (A_Cl:110)
37Cl17 + 2 D* --> 34S16 + 7Li3 + 9.534 MeV [-2.494 MeV] (A_Cl:111)
37Cl17 + 2 D* --> 37Cl17 + 4He2 + 23.847 MeV [11.819 MeV] (A_Cl:112)
37Cl17 + 2 D* --> 40Ar18 + 1H1 + 22.261 MeV [10.234 MeV] (A_Cl:113)
37Cl17 + 2 D* --> 41K19 + 30.069 MeV [18.042 MeV] (A_Cl:114)

37Cl17 + 3 D* --> 22Ne10 + 21Ne10 + 21.402 MeV [2.659 MeV] (A_Cl:115)
37Cl17 + 3 D* --> 25Mg12 + 18O8 + 21.620 MeV [2.877 MeV] (A_Cl:116)
37Cl17 + 3 D* --> 26Mg12 + 17O8 + 24.669 MeV [5.926 MeV] (A_Cl:117)
37Cl17 + 3 D* --> 30Si14 + 13C6 + 28.954 MeV [10.211 MeV] (A_Cl:118)
37Cl17 + 3 D* --> 34S16 + 9Be4 + 26.230 MeV [7.487 MeV] (A_Cl:119)
37Cl17 + 3 D* --> 37Cl17 + 6Li3 + 25.320 MeV [6.577 MeV] (A_Cl:120)
37Cl17 + 3 D* --> 40Ar18 + 3He2 + 27.754 MeV [9.011 MeV] (A_Cl:121)
37Cl17 + 3 D* --> 41K19 + 2H1 + 30.069 MeV [11.326 MeV] (A_Cl:122)
37Cl17 + 3 D* --> 43Ca20 + 46.054 MeV [27.311 MeV] (A_Cl:123)

37Cl17 + 4 D* --> 23Na11 + 22Ne10 + 38.336 MeV [12.426 MeV] (A_Cl:124)
37Cl17 + 4 D* --> 26Mg12 + 19F9 + 38.483 MeV [12.573 MeV] (A_Cl:125)
37Cl17 + 4 D* --> 27Al13 + 18O8 + 38.760 MeV [12.849 MeV] (A_Cl:126)
37Cl17 + 4 D* --> 30Si14 + 15N7 + 45.113 MeV [19.203 MeV] (A_Cl:127)
37Cl17 + 4 D* --> 34S16 + 11B5 + 42.045 MeV [16.135 MeV] (A_Cl:128)
37Cl17 + 4 D* --> 38Ar18 + 7Li3 + 40.588 MeV [14.678 MeV] (A_Cl:129)
37Cl17 + 4 D* --> 41K19 + 4He2 + 53.916 MeV [28.005 MeV] (A_Cl:130)
37Cl17 + 4 D* --> 43Ca20 + 2H1 + 46.054 MeV [20.144 MeV] (A_Cl:131)
37Cl17 + 4 D* --> 44Ca20 + 1H1 + 54.961 MeV [29.051 MeV] (A_Cl:132)
37Cl17 + 4 D* --> 45Sc21 + 61.849 MeV [35.939 MeV] (A_Cl:133)

37Cl17 + 5 D* --> 25Mg12 + 22Ne10 + 55.135 MeV [21.617 MeV] (A_Cl:134)
37Cl17 + 5 D* --> 26Mg12 + 21Ne10 + 55.863 MeV [22.346 MeV] (A_Cl:135)
37Cl17 + 5 D* --> 29Si14 + 18O8 + 56.594 MeV [23.076 MeV] (A_Cl:136)

37Cl17 + 5 D* --> 30Si14 + 17O8 + 59.159 MeV [25.641 MeV] (A_Cl:137)
37Cl17 + 5 D* --> 34S16 + 13C6 + 60.724 MeV [27.206 MeV] (A_Cl:138)
37Cl17 + 5 D* --> 37Cl17 + 10B5 + 53.628 MeV [20.110 MeV] (A_Cl:139)
37Cl17 + 5 D* --> 38Ar18 + 9Be4 + 57.284 MeV [23.766 MeV] (A_Cl:140)
37Cl17 + 5 D* --> 40K19 + 7Li3 + 52.544 MeV [19.026 MeV] (A_Cl:141)
37Cl17 + 5 D* --> 41K19 + 6Li3 + 55.389 MeV [21.872 MeV] (A_Cl:142)
37Cl17 + 5 D* --> 43Ca20 + 4He2 + 69.901 MeV [36.383 MeV] (A_Cl:143)
37Cl17 + 5 D* --> 44Ca20 + 3He2 + 60.454 MeV [26.937 MeV] (A_Cl:144)
37Cl17 + 5 D* --> 45Sc21 + 2H1 + 61.849 MeV [28.331 MeV] (A_Cl:145)
37Cl17 + 5 D* --> 47Ti22 + 78.849 MeV [45.332 MeV] (A_Cl:146)

37Cl17 + 6 D* --> 26Mg12 + 23Na11 + 72.797 MeV [31.242 MeV] (A_Cl:147)
37Cl17 + 6 D* --> 27Al13 + 22Ne10 + 72.274 MeV [30.719 MeV] (A_Cl:148)
37Cl17 + 6 D* --> 30Si14 + 19F9 + 72.973 MeV [31.418 MeV] (A_Cl:149)
37Cl17 + 6 D* --> 31P15 + 18O8 + 72.275 MeV [30.720 MeV] (A_Cl:150)
37Cl17 + 6 D* --> 34S16 + 15N7 + 76.883 MeV [35.328 MeV] (A_Cl:151)
37Cl17 + 6 D* --> 37Cl17 + 12C6 + 78.814 MeV [37.259 MeV] (A_Cl:152)
37Cl17 + 6 D* --> 38Ar18 + 11B5 + 73.099 MeV [31.544 MeV] (A_Cl:153)
37Cl17 + 6 D* --> 40K19 + 9Be4 + 69.240 MeV [27.685 MeV] (A_Cl:154)
37Cl17 + 6 D* --> 42Ca20 + 7Li3 + 70.692 MeV [29.136 MeV] (A_Cl:155)
37Cl17 + 6 D* --> 43Ca20 + 6Li3 + 71.375 MeV [29.819 MeV] (A_Cl:156)
37Cl17 + 6 D* --> 45Sc21 + 4He2 + 85.696 MeV [44.140 MeV] (A_Cl:157)
37Cl17 + 6 D* --> 47Ti22 + 2H1 + 78.849 MeV [37.294 MeV] (A_Cl:158)
37Cl17 + 6 D* --> 48Ti22 + 1H1 + 88.252 MeV [46.696 MeV] (A_Cl:159)

37Cl17 + 7 D* --> 26Mg12 + 25Mg12 + 89.596 MeV [39.582 MeV] (A_Cl:160)
37Cl17 + 7 D* --> 29Si14 + 22Ne10 + 90.108 MeV [40.095 MeV] (A_Cl:161)
37Cl17 + 7 D* --> 30Si14 + 21Ne10 + 90.353 MeV [40.340 MeV] (A_Cl:162)
37Cl17 + 7 D* --> 33S16 + 18O8 + 87.556 MeV [37.542 MeV] (A_Cl:163)
37Cl17 + 7 D* --> 34S16 + 17O8 + 90.929 MeV [40.916 MeV] (A_Cl:164)
37Cl17 + 7 D* --> 37Cl17 + 14N7 + 89.087 MeV [39.073 MeV] (A_Cl:165)
37Cl17 + 7 D* --> 38Ar18 + 13C6 + 91.778 MeV [41.764 MeV] (A_Cl:166)
37Cl17 + 7 D* --> 40K19 + 11B5 + 85.056 MeV [35.042 MeV] (A_Cl:167)
37Cl17 + 7 D* --> 41K19 + 10B5 + 83.697 MeV [33.683 MeV] (A_Cl:168)
37Cl17 + 7 D* --> 42Ca20 + 9Be4 + 87.388 MeV [37.374 MeV] (A_Cl:169)
37Cl17 + 7 D* --> 45Sc21 + 6Li3 + 87.170 MeV [37.156 MeV] (A_Cl:170)
37Cl17 + 7 D* --> 47Ti22 + 4He2 + 102.696 MeV [52.682 MeV] (A_Cl:171)
37Cl17 + 7 D* --> 48Ti22 + 3He2 + 93.745 MeV [43.731 MeV] (A_Cl:172)
37Cl17 + 7 D* --> 50V23 + 1H1 + 102.121 MeV [52.107 MeV] (A_Cl:173)

37Cl17 + 8 D* --> 27Al13 + 26Mg12 + 106.735 MeV [47.852 MeV] (A_Cl:174)
37Cl17 + 8 D* --> 30Si14 + 23Na11 + 107.287 MeV [48.403 MeV] (A_Cl:175)
37Cl17 + 8 D* --> 31P15 + 22Ne10 + 105.790 MeV [46.906 MeV] (A_Cl:176)
37Cl17 + 8 D* --> 34S16 + 19F9 + 104.743 MeV [45.860 MeV] (A_Cl:177)
37Cl17 + 8 D* --> 35Cl17 + 18O8 + 103.119 MeV [44.236 MeV] (A_Cl:178)
37Cl17 + 8 D* --> 37Cl17 + 16O8 + 109.823 MeV [50.939 MeV] (A_Cl:179)
37Cl17 + 8 D* --> 38Ar18 + 15N7 + 107.937 MeV [49.054 MeV] (A_Cl:180)
37Cl17 + 8 D* --> 40K19 + 13C6 + 103.734 MeV [44.851 MeV] (A_Cl:181)
37Cl17 + 8 D* --> 41K19 + 12C6 + 108.883 MeV [50.000 MeV] (A_Cl:182)
37Cl17 + 8 D* --> 42Ca20 + 11B5 + 103.203 MeV [44.320 MeV] (A_Cl:183)
37Cl17 + 8 D* --> 43Ca20 + 10B5 + 99.682 MeV [40.798 MeV] (A_Cl:184)
37Cl17 + 8 D* --> 46Ti22 + 7Li3 + 102.540 MeV [43.656 MeV] (A_Cl:185)
37Cl17 + 8 D* --> 47Ti22 + 6Li3 + 104.170 MeV [45.286 MeV] (A_Cl:186)
37Cl17 + 8 D* --> 50V23 + 3He2 + 107.615 MeV [48.731 MeV] (A_Cl:187)

37Cl17 + 8 D* --> 52Cr24 + 1H1 + 121.452 MeV [62.569 MeV] (A_Cl:188)

37Cl17 + 9 D* --> 29Si14 + 26Mg12 + 124.570 MeV [56.412 MeV] (A_Cl:189)
37Cl17 + 9 D* --> 30Si14 + 25Mg12 + 124.086 MeV [55.928 MeV] (A_Cl:190)
37Cl17 + 9 D* --> 33S16 + 22Ne10 + 121.071 MeV [52.913 MeV] (A_Cl:191)
37Cl17 + 9 D* --> 34S16 + 21Ne10 + 122.124 MeV [53.966 MeV] (A_Cl:192)
37Cl17 + 9 D* --> 38Ar18 + 17O8 + 121.983 MeV [53.826 MeV] (A_Cl:193)
37Cl17 + 9 D* --> 40K19 + 15N7 + 119.894 MeV [51.736 MeV] (A_Cl:194)
37Cl17 + 9 D* --> 41K19 + 14N7 + 119.156 MeV [50.998 MeV] (A_Cl:195)
37Cl17 + 9 D* --> 42Ca20 + 13C6 + 121.882 MeV [53.724 MeV] (A_Cl:196)
37Cl17 + 9 D* --> 43Ca20 + 12C6 + 124.869 MeV [56.711 MeV] (A_Cl:197)
37Cl17 + 9 D* --> 45Sc21 + 10B5 + 115.477 MeV [47.319 MeV] (A_Cl:198)
37Cl17 + 9 D* --> 46Ti22 + 9Be4 + 119.236 MeV [51.078 MeV] (A_Cl:199)
37Cl17 + 9 D* --> 52Cr24 + 3He2 + 126.946 MeV [58.788 MeV] (A_Cl:200)

37Cl17 + 10 D* --> 30Si14 + 27Al13 + 141.225 MeV [63.398 MeV] (A_Cl:201)
37Cl17 + 10 D* --> 31P15 + 26Mg12 + 140.251 MeV [62.423 MeV] (A_Cl:202)
37Cl17 + 10 D* --> 34S16 + 23Na11 + 139.057 MeV [61.230 MeV] (A_Cl:203)
37Cl17 + 10 D* --> 35Cl17 + 22Ne10 + 136.634 MeV [58.806 MeV] (A_Cl:204)
37Cl17 + 10 D* --> 37Cl17 + 20Ne10 + 138.399 MeV [60.571 MeV] (A_Cl:205)
37Cl17 + 10 D* --> 38Ar18 + 19F9 + 135.798 MeV [57.970 MeV] (A_Cl:206)
37Cl17 + 10 D* --> 39K19 + 18O8 + 134.184 MeV [56.357 MeV] (A_Cl:207)
37Cl17 + 10 D* --> 40K19 + 17O8 + 133.940 MeV [56.112 MeV] (A_Cl:208)
37Cl17 + 10 D* --> 41K19 + 16O8 + 139.892 MeV [62.064 MeV] (A_Cl:209)
37Cl17 + 10 D* --> 42Ca20 + 15N7 + 138.041 MeV [60.214 MeV] (A_Cl:210)
37Cl17 + 10 D* --> 43Ca20 + 14N7 + 135.141 MeV [57.313 MeV] (A_Cl:211)
37Cl17 + 10 D* --> 45Sc21 + 12C6 + 140.663 MeV [62.836 MeV] (A_Cl:212)
37Cl17 + 10 D* --> 46Ti22 + 11B5 + 135.051 MeV [57.223 MeV] (A_Cl:213)
37Cl17 + 10 D* --> 47Ti22 + 10B5 + 132.477 MeV [54.650 MeV] (A_Cl:214)
37Cl17 + 10 D* --> 50Cr24 + 7Li3 + 134.947 MeV [57.119 MeV] (A_Cl:215)
37Cl17 + 10 D* --> 56Fe26 + 1H1 + 152.912 MeV [75.084 MeV] (A_Cl:216)

37Cl17 + 11 D* --> 30Si14 + 29Si14 + 159.059 MeV [71.172 MeV] (A_Cl:217)
37Cl17 + 11 D* --> 33S16 + 26Mg12 + 155.532 MeV [67.645 MeV] (A_Cl:218)
37Cl17 + 11 D* --> 34S16 + 25Mg12 + 155.856 MeV [67.969 MeV] (A_Cl:219)
37Cl17 + 11 D* --> 38Ar18 + 21Ne10 + 153.178 MeV [65.291 MeV] (A_Cl:220)
37Cl17 + 11 D* --> 40K19 + 19F9 + 147.754 MeV [59.867 MeV] (A_Cl:221)
37Cl17 + 11 D* --> 42Ca20 + 17O8 + 152.087 MeV [64.200 MeV] (A_Cl:222)
37Cl17 + 11 D* --> 43Ca20 + 16O8 + 155.877 MeV [67.990 MeV] (A_Cl:223)
37Cl17 + 11 D* --> 45Sc21 + 14N7 + 150.936 MeV [63.049 MeV] (A_Cl:224)
37Cl17 + 11 D* --> 46Ti22 + 13C6 + 153.730 MeV [65.843 MeV] (A_Cl:225)
37Cl17 + 11 D* --> 47Ti22 + 12C6 + 157.664 MeV [69.777 MeV] (A_Cl:226)
37Cl17 + 11 D* --> 50Cr24 + 9Be4 + 151.643 MeV [63.756 MeV] (A_Cl:227)
37Cl17 + 11 D* --> 56Fe26 + 3He2 + 158.406 MeV [70.518 MeV] (A_Cl:228)

37Cl17 + 12 D* --> 31P15 + 30Si14 + 174.741 MeV [76.412 MeV] (A_Cl:229)
37Cl17 + 12 D* --> 34S16 + 27Al13 + 172.996 MeV [74.667 MeV] (A_Cl:230)
37Cl17 + 12 D* --> 35Cl17 + 26Mg12 + 171.095 MeV [72.766 MeV] (A_Cl:231)
37Cl17 + 12 D* --> 37Cl17 + 24Mg12 + 171.562 MeV [73.233 MeV] (A_Cl:232)
37Cl17 + 12 D* --> 38Ar18 + 23Na11 + 170.112 MeV [71.782 MeV] (A_Cl:233)
37Cl17 + 12 D* --> 39K19 + 22Ne10 + 167.699 MeV [69.370 MeV] (A_Cl:234)
37Cl17 + 12 D* --> 40K19 + 21Ne10 + 165.134 MeV [66.805 MeV] (A_Cl:235)
37Cl17 + 12 D* --> 41K19 + 20Ne10 + 168.468 MeV [70.139 MeV] (A_Cl:236)
37Cl17 + 12 D* --> 42Ca20 + 19F9 + 165.902 MeV [67.573 MeV] (A_Cl:237)

37Cl17 + 12 D* --> 45Sc21 + 16O8 + 171.672 MeV [73.343 MeV] (A_Cl:238)
37Cl17 + 12 D* --> 46Ti22 + 15N7 + 169.889 MeV [71.560 MeV] (A_Cl:239)
37Cl17 + 12 D* --> 47Ti22 + 14N7 + 167.936 MeV [69.607 MeV] (A_Cl:240)
37Cl17 + 12 D* --> 50Cr24 + 11B5 + 167.459 MeV [69.130 MeV] (A_Cl:241)
37Cl17 + 12 D* --> 54Fe26 + 7Li3 + 167.211 MeV [68.882 MeV] (A_Cl:242)
37Cl17 + 12 D* --> 60Ni28 + 1H1 + 183.050 MeV [84.721 MeV] (A_Cl:243)

---------- Equations follow for Argon, Ar, element 18 ----------

36Ar18 + 2 D* --> 20Ne10 + 20Ne10 + 10.124 MeV [-2.676 MeV] (A_Ar:1)
36Ar18 + 2 D* --> 24Mg12 + 16O8 + 14.710 MeV [1.910 MeV] (A_Ar:2)
36Ar18 + 2 D* --> 28Si14 + 12C6 + 17.533 MeV [4.733 MeV] (A_Ar:3)
36Ar18 + 2 D* --> 36Ar18 + 4He2 + 23.847 MeV [11.046 MeV] (A_Ar:4)
36Ar18 + 2 D* --> 39K19 + 1H1 + 22.558 MeV [9.758 MeV] (A_Ar:5)
36Ar18 + 2 D* --> 40Ca20 + 30.886 MeV [18.086 MeV] (A_Ar:6)

36Ar18 + 3 D* --> 28Si14 + 14N7 + 27.805 MeV [7.920 MeV] (A_Ar:7)
36Ar18 + 3 D* --> 32S16 + 10B5 + 23.141 MeV [3.256 MeV] (A_Ar:8)
36Ar18 + 3 D* --> 36Ar18 + 6Li3 + 25.320 MeV [5.436 MeV] (A_Ar:9)
36Ar18 + 3 D* --> 39K19 + 3He2 + 28.051 MeV [8.167 MeV] (A_Ar:10)
36Ar18 + 3 D* --> 40Ca20 + 2H1 + 30.886 MeV [11.001 MeV] (A_Ar:11)

36Ar18 + 4 D* --> 24Mg12 + 20Ne10 + 43.287 MeV [15.877 MeV] (A_Ar:12)
36Ar18 + 4 D* --> 28Si14 + 16O8 + 48.541 MeV [21.131 MeV] (A_Ar:13)
36Ar18 + 4 D* --> 32S16 + 12C6 + 48.327 MeV [20.917 MeV] (A_Ar:14)
36Ar18 + 4 D* --> 40Ca20 + 4He2 + 54.733 MeV [27.322 MeV] (A_Ar:15)

36Ar18 + 5 D* --> 32S16 + 14N7 + 58.599 MeV [23.233 MeV] (A_Ar:16)
36Ar18 + 5 D* --> 36Ar18 + 10B5 + 53.628 MeV [18.261 MeV] (A_Ar:17)
36Ar18 + 5 D* --> 40Ca20 + 6Li3 + 56.207 MeV [20.840 MeV] (A_Ar:18)

36Ar18 + 6 D* --> 24Mg12 + 24Mg12 + 76.450 MeV [32.706 MeV] (A_Ar:19)
36Ar18 + 6 D* --> 28Si14 + 20Ne10 + 77.118 MeV [33.374 MeV] (A_Ar:20)
36Ar18 + 6 D* --> 32S16 + 16O8 + 79.335 MeV [35.592 MeV] (A_Ar:21)
36Ar18 + 6 D* --> 36Ar18 + 12C6 + 78.814 MeV [35.070 MeV] (A_Ar:22)

36Ar18 + 7 D* --> 36Ar18 + 14N7 + 89.087 MeV [36.553 MeV] (A_Ar:23)
36Ar18 + 7 D* --> 40Ca20 + 10B5 + 84.514 MeV [31.980 MeV] (A_Ar:24)

36Ar18 + 8 D* --> 28Si14 + 24Mg12 + 110.281 MeV [48.553 MeV] (A_Ar:25)
36Ar18 + 8 D* --> 32S16 + 20Ne10 + 107.912 MeV [46.184 MeV] (A_Ar:26)
36Ar18 + 8 D* --> 36Ar18 + 16O8 + 109.823 MeV [48.095 MeV] (A_Ar:27)
36Ar18 + 8 D* --> 40Ca20 + 12C6 + 109.701 MeV [47.973 MeV] (A_Ar:28)

36Ar18 + 9 D* --> 40Ca20 + 14N7 + 119.973 MeV [48.654 MeV] (A_Ar:29)

36Ar18 + 10 D* --> 28Si14 + 28Si14 + 144.111 MeV [62.812 MeV] (A_Ar:30)
36Ar18 + 10 D* --> 32S16 + 24Mg12 + 141.075 MeV [59.776 MeV] (A_Ar:31)
36Ar18 + 10 D* --> 36Ar18 + 20Ne10 + 138.399 MeV [57.100 MeV] (A_Ar:32)
36Ar18 + 10 D* --> 40Ca20 + 16O8 + 140.709 MeV [59.410 MeV] (A_Ar:33)

36Ar18 + 12 D* --> 32S16 + 28Si14 + 174.906 MeV [72.502 MeV] (A_Ar:34)

36Ar18 + 12 D* --> 36Ar18 + 24Mg12 + 171.562 MeV [69.159 MeV] (A_Ar:35)
36Ar18 + 12 D* --> 40Ca20 + 20Ne10 + 169.285 MeV [66.882 MeV] (A_Ar:36)

38Ar18 + D* --> 40K19 + 11.956 MeV [5.893 MeV] (A_Ar:37)

38Ar18 + 2 D* --> 21Ne10 + 21Ne10 + 3.020 MeV [-9.573 MeV] (A_Ar:38)
38Ar18 + 2 D* --> 22Ne10 + 20Ne10 + 6.624 MeV [-5.970 MeV] (A_Ar:39)
38Ar18 + 2 D* --> 23Na11 + 19F9 + 2.574 MeV [-10.020 MeV] (A_Ar:40)
38Ar18 + 2 D* --> 24Mg12 + 18O8 + 6.272 MeV [-6.322 MeV] (A_Ar:41)
38Ar18 + 2 D* --> 25Mg12 + 17O8 + 5.559 MeV [-7.035 MeV] (A_Ar:42)
38Ar18 + 2 D* --> 26Mg12 + 16O8 + 12.508 MeV [-0.085 MeV] (A_Ar:43)
38Ar18 + 2 D* --> 27Al13 + 15N7 + 8.652 MeV [-3.942 MeV] (A_Ar:44)
38Ar18 + 2 D* --> 29Si14 + 13C6 + 10.327 MeV [-2.267 MeV] (A_Ar:45)
38Ar18 + 2 D* --> 30Si14 + 12C6 + 15.990 MeV [3.396 MeV] (A_Ar:46)
38Ar18 + 2 D* --> 31P15 + 11B5 + 7.330 MeV [-5.264 MeV] (A_Ar:47)
38Ar18 + 2 D* --> 33S16 + 9Be4 + 6.795 MeV [-5.798 MeV] (A_Ar:48)
38Ar18 + 2 D* --> 35Cl17 + 7Li3 + 5.662 MeV [-6.931 MeV] (A_Ar:49)
38Ar18 + 2 D* --> 38Ar18 + 4He2 + 23.847 MeV [11.253 MeV] (A_Ar:50)
38Ar18 + 2 D* --> 40K19 + 2H1 + 11.956 MeV [-0.637 MeV] (A_Ar:51)
38Ar18 + 2 D* --> 41K19 + 1H1 + 19.827 MeV [7.233 MeV] (A_Ar:52)
38Ar18 + 2 D* --> 42Ca20 + 30.104 MeV [17.510 MeV] (A_Ar:53)

38Ar18 + 3 D* --> 23Na11 + 21Ne10 + 19.954 MeV [00.375 MeV] (A_Ar:54)
38Ar18 + 3 D* --> 25Mg12 + 19F9 + 19.373 MeV [-0.206 MeV] (A_Ar:55)
38Ar18 + 3 D* --> 27Al13 + 17O8 + 22.698 MeV [3.119 MeV] (A_Ar:56)
38Ar18 + 3 D* --> 29Si14 + 15N7 + 26.486 MeV [6.907 MeV] (A_Ar:57)
38Ar18 + 3 D* --> 30Si14 + 14N7 + 26.262 MeV [6.683 MeV] (A_Ar:58)
38Ar18 + 3 D* --> 31P15 + 13C6 + 26.008 MeV [6.430 MeV] (A_Ar:59)
38Ar18 + 3 D* --> 33S16 + 11B5 + 22.611 MeV [3.032 MeV] (A_Ar:60)
38Ar18 + 3 D* --> 34S16 + 10B5 + 22.574 MeV [2.995 MeV] (A_Ar:61)
38Ar18 + 3 D* --> 35Cl17 + 9Be4 + 22.359 MeV [2.780 MeV] (A_Ar:62)
38Ar18 + 3 D* --> 38Ar18 + 6Li3 + 25.320 MeV [5.742 MeV] (A_Ar:63)
38Ar18 + 3 D* --> 40K19 + 4He2 + 35.803 MeV [16.224 MeV] (A_Ar:64)
38Ar18 + 3 D* --> 41K19 + 3He2 + 25.320 MeV [5.742 MeV] (A_Ar:65)
38Ar18 + 3 D* --> 42Ca20 + 2H1 + 30.104 MeV [10.525 MeV] (A_Ar:66)
38Ar18 + 3 D* --> 43Ca20 + 1H1 + 35.812 MeV [16.233 MeV] (A_Ar:67)

38Ar18 + 4 D* --> 23Na11 + 23Na11 + 36.888 MeV [9.881 MeV] (A_Ar:68)
38Ar18 + 4 D* --> 24Mg12 + 22Ne10 + 39.787 MeV [12.779 MeV] (A_Ar:69)
38Ar18 + 4 D* --> 25Mg12 + 21Ne10 + 36.753 MeV [9.746 MeV] (A_Ar:70)
38Ar18 + 4 D* --> 26Mg12 + 20Ne10 + 41.085 MeV [14.078 MeV] (A_Ar:71)
38Ar18 + 4 D* --> 27Al13 + 19F9 + 36.512 MeV [9.505 MeV] (A_Ar:72)
38Ar18 + 4 D* --> 28Si14 + 18O8 + 40.103 MeV [13.095 MeV] (A_Ar:73)
38Ar18 + 4 D* --> 29Si14 + 17O8 + 40.532 MeV [13.525 MeV] (A_Ar:74)
38Ar18 + 4 D* --> 30Si14 + 16O8 + 46.998 MeV [19.991 MeV] (A_Ar:75)
38Ar18 + 4 D* --> 31P15 + 15N7 + 42.168 MeV [15.161 MeV] (A_Ar:76)
38Ar18 + 4 D* --> 33S16 + 13C6 + 41.289 MeV [14.282 MeV] (A_Ar:77)
38Ar18 + 4 D* --> 34S16 + 12C6 + 47.760 MeV [20.753 MeV] (A_Ar:78)
38Ar18 + 4 D* --> 35Cl17 + 11B5 + 38.174 MeV [11.167 MeV] (A_Ar:79)
38Ar18 + 4 D* --> 39K19 + 7Li3 + 36.727 MeV [9.720 MeV] (A_Ar:80)
38Ar18 + 4 D* --> 40K19 + 6Li3 + 37.277 MeV [10.270 MeV] (A_Ar:81)
38Ar18 + 4 D* --> 42Ca20 + 4He2 + 53.950 MeV [26.943 MeV] (A_Ar:82)
38Ar18 + 4 D* --> 43Ca20 + 3He2 + 41.306 MeV [14.299 MeV] (A_Ar:83)
38Ar18 + 4 D* --> 45Sc21 + 1H1 + 51.607 MeV [24.600 MeV] (A_Ar:84)

38Ar18 + 4 D* --> 46Ti22 + 61.952 MeV [34.945 MeV] (A_Ar:85)

38Ar18 + 5 D* --> 25Mg12 + 23Na11 + 53.687 MeV [18.818 MeV] (A_Ar:86)
38Ar18 + 5 D* --> 27Al13 + 21Ne10 + 53.892 MeV [19.024 MeV] (A_Ar:87)
38Ar18 + 5 D* --> 29Si14 + 19F9 + 54.346 MeV [19.478 MeV] (A_Ar:88)
38Ar18 + 5 D* --> 31P15 + 17O8 + 56.214 MeV [21.345 MeV] (A_Ar:89)
38Ar18 + 5 D* --> 33S16 + 15N7 + 57.449 MeV [22.580 MeV] (A_Ar:90)
38Ar18 + 5 D* --> 34S16 + 14N7 + 58.032 MeV [23.164 MeV] (A_Ar:91)
38Ar18 + 5 D* --> 35Cl17 + 13C6 + 56.853 MeV [21.984 MeV] (A_Ar:92)
38Ar18 + 5 D* --> 38Ar18 + 10B5 + 53.628 MeV [18.760 MeV] (A_Ar:93)
38Ar18 + 5 D* --> 39K19 + 9Be4 + 53.423 MeV [18.555 MeV] (A_Ar:94)
38Ar18 + 5 D* --> 42Ca20 + 6Li3 + 55.424 MeV [20.556 MeV] (A_Ar:95)
38Ar18 + 5 D* --> 45Sc21 + 3He2 + 57.101 MeV [22.232 MeV] (A_Ar:96)
38Ar18 + 5 D* --> 46Ti22 + 2H1 + 61.952 MeV [27.083 MeV] (A_Ar:97)
38Ar18 + 5 D* --> 47Ti22 + 1H1 + 68.607 MeV [33.739 MeV] (A_Ar:98)

38Ar18 + 6 D* --> 25Mg12 + 25Mg12 + 70.485 MeV [27.333 MeV] (A_Ar:99)
38Ar18 + 6 D* --> 26Mg12 + 24Mg12 + 74.248 MeV [31.095 MeV] (A_Ar:100)
38Ar18 + 6 D* --> 27Al13 + 23Na11 + 70.826 MeV [27.674 MeV] (A_Ar:101)
38Ar18 + 6 D* --> 28Si14 + 22Ne10 + 73.617 MeV [30.465 MeV] (A_Ar:102)
38Ar18 + 6 D* --> 29Si14 + 21Ne10 + 71.727 MeV [28.574 MeV] (A_Ar:103)
38Ar18 + 6 D* --> 30Si14 + 20Ne10 + 75.575 MeV [32.422 MeV] (A_Ar:104)
38Ar18 + 6 D* --> 31P15 + 19F9 + 70.028 MeV [26.875 MeV] (A_Ar:105)
38Ar18 + 6 D* --> 32S16 + 18O8 + 70.897 MeV [27.744 MeV] (A_Ar:106)
38Ar18 + 6 D* --> 33S16 + 17O8 + 71.495 MeV [28.342 MeV] (A_Ar:107)
38Ar18 + 6 D* --> 34S16 + 16O8 + 78.769 MeV [35.616 MeV] (A_Ar:108)
38Ar18 + 6 D* --> 35Cl17 + 15N7 + 73.012 MeV [29.859 MeV] (A_Ar:109)
38Ar18 + 6 D* --> 38Ar18 + 12C6 + 78.814 MeV [35.662 MeV] (A_Ar:110)
38Ar18 + 6 D* --> 39K19 + 11B5 + 69.239 MeV [26.086 MeV] (A_Ar:111)
38Ar18 + 6 D* --> 40K19 + 10B5 + 65.584 MeV [22.432 MeV] (A_Ar:112)
38Ar18 + 6 D* --> 46Ti22 + 4He2 + 85.798 MeV [42.646 MeV] (A_Ar:113)
38Ar18 + 6 D* --> 47Ti22 + 3He2 + 74.101 MeV [30.948 MeV] (A_Ar:114)
38Ar18 + 6 D* --> 50Cr24 + 94.359 MeV [51.207 MeV] (A_Ar:115)

38Ar18 + 7 D* --> 27Al13 + 25Mg12 + 87.625 MeV [35.774 MeV] (A_Ar:116)
38Ar18 + 7 D* --> 29Si14 + 23Na11 + 88.660 MeV [36.809 MeV] (A_Ar:117)
38Ar18 + 7 D* --> 31P15 + 21Ne10 + 87.408 MeV [35.557 MeV] (A_Ar:118)
38Ar18 + 7 D* --> 33S16 + 19F9 + 85.309 MeV [33.457 MeV] (A_Ar:119)
38Ar18 + 7 D* --> 35Cl17 + 17O8 + 87.058 MeV [35.206 MeV] (A_Ar:120)
38Ar18 + 7 D* --> 38Ar18 + 14N7 + 89.087 MeV [37.235 MeV] (A_Ar:121)
38Ar18 + 7 D* --> 39K19 + 13C6 + 87.918 MeV [36.066 MeV] (A_Ar:122)
38Ar18 + 7 D* --> 40K19 + 12C6 + 90.771 MeV [38.919 MeV] (A_Ar:123)
38Ar18 + 7 D* --> 42Ca20 + 10B5 + 83.732 MeV [31.880 MeV] (A_Ar:124)
38Ar18 + 7 D* --> 46Ti22 + 6Li3 + 87.272 MeV [35.421 MeV] (A_Ar:125)
38Ar18 + 7 D* --> 50Cr24 + 2H1 + 94.359 MeV [42.508 MeV] (A_Ar:126)

38Ar18 + 8 D* --> 27Al13 + 27Al13 + 104.765 MeV [43.808 MeV] (A_Ar:127)
38Ar18 + 8 D* --> 28Si14 + 26Mg12 + 108.079 MeV [47.122 MeV] (A_Ar:128)
38Ar18 + 8 D* --> 29Si14 + 25Mg12 + 105.459 MeV [44.503 MeV] (A_Ar:129)
38Ar18 + 8 D* --> 30Si14 + 24Mg12 + 108.738 MeV [47.782 MeV] (A_Ar:130)
38Ar18 + 8 D* --> 31P15 + 23Na11 + 104.342 MeV [43.386 MeV] (A_Ar:131)
38Ar18 + 8 D* --> 32S16 + 22Ne10 + 104.412 MeV [43.455 MeV] (A_Ar:132)
38Ar18 + 8 D* --> 33S16 + 21Ne10 + 102.689 MeV [41.733 MeV] (A_Ar:133)
38Ar18 + 8 D* --> 34S16 + 20Ne10 + 107.345 MeV [46.389 MeV] (A_Ar:134)

38Ar18 + 8 D* --> 35Cl17 + 19F9 + 100.872 MeV [39.916 MeV] (A_Ar:135)
38Ar18 + 8 D* --> 36Ar18 + 18O8 + 101.384 MeV [40.428 MeV] (A_Ar:136)
38Ar18 + 8 D* --> 38Ar18 + 16O8 + 109.823 MeV [48.867 MeV] (A_Ar:137)
38Ar18 + 8 D* --> 39K19 + 15N7 + 104.077 MeV [43.121 MeV] (A_Ar:138)
38Ar18 + 8 D* --> 40K19 + 14N7 + 101.043 MeV [40.087 MeV] (A_Ar:139)
38Ar18 + 8 D* --> 42Ca20 + 12C6 + 108.918 MeV [47.962 MeV] (A_Ar:140)
38Ar18 + 8 D* --> 50Cr24 + 4He2 + 118.206 MeV [57.250 MeV] (A_Ar:141)
38Ar18 + 8 D* --> 54Fe26 + 126.624 MeV [65.667 MeV] (A_Ar:142)

38Ar18 + 9 D* --> 29Si14 + 27Al13 + 122.599 MeV [52.139 MeV] (A_Ar:143)
38Ar18 + 9 D* --> 31P15 + 25Mg12 + 121.141 MeV [50.681 MeV] (A_Ar:144)
38Ar18 + 9 D* --> 33S16 + 23Na11 + 119.623 MeV [49.163 MeV] (A_Ar:145)
38Ar18 + 9 D* --> 35Cl17 + 21Ne10 + 118.252 MeV [47.793 MeV] (A_Ar:146)
38Ar18 + 9 D* --> 39K19 + 17O8 + 118.123 MeV [47.663 MeV] (A_Ar:147)
38Ar18 + 9 D* --> 40K19 + 16O8 + 121.779 MeV [51.320 MeV] (A_Ar:148)
38Ar18 + 9 D* --> 42Ca20 + 14N7 + 119.191 MeV [48.731 MeV] (A_Ar:149)
38Ar18 + 9 D* --> 46Ti22 + 10B5 + 115.580 MeV [45.120 MeV] (A_Ar:150)
38Ar18 + 9 D* --> 50Cr24 + 6Li3 + 119.680 MeV [49.220 MeV] (A_Ar:151)
38Ar18 + 9 D* --> 54Fe26 + 2H1 + 126.624 MeV [56.164 MeV] (A_Ar:152)

38Ar18 + 10 D* --> 29Si14 + 29Si14 + 140.433 MeV [60.079 MeV] (A_Ar:153)
38Ar18 + 10 D* --> 30Si14 + 28Si14 + 142.568 MeV [62.215 MeV] (A_Ar:154)
38Ar18 + 10 D* --> 31P15 + 27Al13 + 138.280 MeV [57.926 MeV] (A_Ar:155)
38Ar18 + 10 D* --> 32S16 + 26Mg12 + 138.873 MeV [58.519 MeV] (A_Ar:156)
38Ar18 + 10 D* --> 33S16 + 25Mg12 + 136.421 MeV [56.068 MeV] (A_Ar:157)
38Ar18 + 10 D* --> 34S16 + 24Mg12 + 140.508 MeV [60.154 MeV] (A_Ar:158)
38Ar18 + 10 D* --> 35Cl17 + 23Na11 + 135.186 MeV [54.832 MeV] (A_Ar:159)
38Ar18 + 10 D* --> 36Ar18 + 22Ne10 + 134.899 MeV [54.545 MeV] (A_Ar:160)
38Ar18 + 10 D* --> 38Ar18 + 20Ne10 + 138.399 MeV [58.045 MeV] (A_Ar:161)
38Ar18 + 10 D* --> 39K19 + 19F9 + 131.937 MeV [51.583 MeV] (A_Ar:162)
38Ar18 + 10 D* --> 40Ca20 + 18O8 + 132.270 MeV [51.917 MeV] (A_Ar:163)
38Ar18 + 10 D* --> 42Ca20 + 16O8 + 139.927 MeV [59.573 MeV] (A_Ar:164)
38Ar18 + 10 D* --> 46Ti22 + 12C6 + 140.766 MeV [60.412 MeV] (A_Ar:165)
38Ar18 + 10 D* --> 54Fe26 + 4He2 + 150.470 MeV [70.116 MeV] (A_Ar:166)
38Ar18 + 10 D* --> 58Ni28 + 156.870 MeV [76.516 MeV] (A_Ar:167)

38Ar18 + 11 D* --> 31P15 + 29Si14 + 156.114 MeV [65.481 MeV] (A_Ar:168)
38Ar18 + 11 D* --> 33S16 + 27Al13 + 153.561 MeV [62.928 MeV] (A_Ar:169)
38Ar18 + 11 D* --> 35Cl17 + 25Mg12 + 151.985 MeV [61.352 MeV] (A_Ar:170)
38Ar18 + 11 D* --> 39K19 + 21Ne10 + 149.317 MeV [58.684 MeV] (A_Ar:171)
38Ar18 + 11 D* --> 40K19 + 20Ne10 + 150.356 MeV [59.723 MeV] (A_Ar:172)
38Ar18 + 11 D* --> 46Ti22 + 14N7 + 151.038 MeV [60.405 MeV] (A_Ar:173)
38Ar18 + 11 D* --> 50Cr24 + 10B5 + 147.987 MeV [57.354 MeV] (A_Ar:174)
38Ar18 + 11 D* --> 54Fe26 + 6Li3 + 151.944 MeV [61.311 MeV] (A_Ar:175)
38Ar18 + 11 D* --> 58Ni28 + 2H1 + 156.870 MeV [66.237 MeV] (A_Ar:176)

38Ar18 + 12 D* --> 31P15 + 31P15 + 171.796 MeV [70.506 MeV] (A_Ar:177)
38Ar18 + 12 D* --> 32S16 + 30Si14 + 173.363 MeV [72.072 MeV] (A_Ar:178)
38Ar18 + 12 D* --> 33S16 + 29Si14 + 171.395 MeV [70.105 MeV] (A_Ar:179)
38Ar18 + 12 D* --> 34S16 + 28Si14 + 174.339 MeV [73.048 MeV] (A_Ar:180)
38Ar18 + 12 D* --> 35Cl17 + 27Al13 + 169.124 MeV [67.834 MeV] (A_Ar:181)
38Ar18 + 12 D* --> 36Ar18 + 26Mg12 + 169.360 MeV [68.070 MeV] (A_Ar:182)
38Ar18 + 12 D* --> 38Ar18 + 24Mg12 + 171.562 MeV [70.272 MeV] (A_Ar:183)
38Ar18 + 12 D* --> 39K19 + 23Na11 + 166.251 MeV [64.961 MeV] (A_Ar:184)

38Ar18 + 12 D* --> 40Ca20 + 22Ne10 + 165.785 MeV [64.495 MeV] (A_Ar:185)
38Ar18 + 12 D* --> 42Ca20 + 20Ne10 + 168.503 MeV [67.213 MeV] (A_Ar:186)
38Ar18 + 12 D* --> 46Ti22 + 16O8 + 171.775 MeV [70.484 MeV] (A_Ar:187)
38Ar18 + 12 D* --> 50Cr24 + 12C6 + 173.174 MeV [71.883 MeV] (A_Ar:188)
38Ar18 + 12 D* --> 58Ni28 + 4He2 + 180.717 MeV [79.427 MeV] (A_Ar:189)

40Ar18 + 2 D* --> 22Ne10 + 22Ne10 + 7.281 MeV [-5.119 MeV] (A_Ar:190)
40Ar18 + 2 D* --> 26Mg12 + 18O8 + 8.228 MeV [-4.172 MeV] (A_Ar:191)
40Ar18 + 2 D* --> 37Cl17 + 7Li3 + 8.085 MeV [-4.315 MeV] (A_Ar:192)
40Ar18 + 2 D* --> 40Ar18 + 4He2 + 23.847 MeV [11.447 MeV] (A_Ar:193)
40Ar18 + 2 D* --> 44Ca20 + 32.700 MeV [20.300 MeV] (A_Ar:194)

40Ar18 + 3 D* --> 36S16 + 10B5 + 22.981 MeV [3.690 MeV] (A_Ar:195)
40Ar18 + 3 D* --> 37Cl17 + 9Be4 + 24.781 MeV [5.490 MeV] (A_Ar:196)
40Ar18 + 3 D* --> 40Ar18 + 6Li3 + 25.320 MeV [6.030 MeV] (A_Ar:197)
40Ar18 + 3 D* --> 44Ca20 + 2H1 + 32.700 MeV [13.409 MeV] (A_Ar:198)

40Ar18 + 4 D* --> 26Mg12 + 22Ne10 + 41.742 MeV [15.116 MeV] (A_Ar:199)
40Ar18 + 4 D* --> 30Si14 + 18O8 + 42.717 MeV [16.091 MeV] (A_Ar:200)
40Ar18 + 4 D* --> 36S16 + 12C6 + 48.167 MeV [21.540 MeV] (A_Ar:201)
40Ar18 + 4 D* --> 37Cl17 + 11B5 + 40.597 MeV [13.970 MeV] (A_Ar:202)
40Ar18 + 4 D* --> 41K19 + 7Li3 + 38.154 MeV [11.527 MeV] (A_Ar:203)
40Ar18 + 4 D* --> 44Ca20 + 4He2 + 56.547 MeV [29.920 MeV] (A_Ar:204)
40Ar18 + 4 D* --> 48Ti22 + 65.991 MeV [39.364 MeV] (A_Ar:205)

40Ar18 + 5 D* --> 36S16 + 14N7 + 58.439 MeV [24.042 MeV] (A_Ar:206)
40Ar18 + 5 D* --> 37Cl17 + 13C6 + 59.275 MeV [24.878 MeV] (A_Ar:207)
40Ar18 + 5 D* --> 40Ar18 + 10B5 + 53.628 MeV [19.231 MeV] (A_Ar:208)
40Ar18 + 5 D* --> 41K19 + 9Be4 + 54.850 MeV [20.453 MeV] (A_Ar:209)
40Ar18 + 5 D* --> 43Ca20 + 7Li3 + 54.139 MeV [19.742 MeV] (A_Ar:210)
40Ar18 + 5 D* --> 44Ca20 + 6Li3 + 58.020 MeV [23.623 MeV] (A_Ar:211)
40Ar18 + 5 D* --> 48Ti22 + 2H1 + 65.991 MeV [31.594 MeV] (A_Ar:212)
40Ar18 + 5 D* --> 49Ti22 + 1H1 + 71.909 MeV [37.511 MeV] (A_Ar:213)
40Ar18 + 5 D* --> 50V23 + 79.860 MeV [45.463 MeV] (A_Ar:214)

40Ar18 + 6 D* --> 26Mg12 + 26Mg12 + 76.204 MeV [33.611 MeV] (A_Ar:215)
40Ar18 + 6 D* --> 30Si14 + 22Ne10 + 76.232 MeV [33.640 MeV] (A_Ar:216)
40Ar18 + 6 D* --> 34S16 + 18O8 + 74.488 MeV [31.896 MeV] (A_Ar:217)
40Ar18 + 6 D* --> 36S16 + 16O8 + 79.176 MeV [36.583 MeV] (A_Ar:218)
40Ar18 + 6 D* --> 37Cl17 + 15N7 + 75.435 MeV [32.842 MeV] (A_Ar:219)
40Ar18 + 6 D* --> 40Ar18 + 12C6 + 78.814 MeV [36.222 MeV] (A_Ar:220)
40Ar18 + 6 D* --> 41K19 + 11B5 + 70.666 MeV [28.073 MeV] (A_Ar:221)
40Ar18 + 6 D* --> 43Ca20 + 9Be4 + 70.835 MeV [28.243 MeV] (A_Ar:222)
40Ar18 + 6 D* --> 45Sc21 + 7Li3 + 69.934 MeV [27.342 MeV] (A_Ar:223)
40Ar18 + 6 D* --> 48Ti22 + 4He2 + 89.837 MeV [47.245 MeV] (A_Ar:224)
40Ar18 + 6 D* --> 49Ti22 + 3He2 + 77.402 MeV [34.810 MeV] (A_Ar:225)
40Ar18 + 6 D* --> 50V23 + 2H1 + 79.860 MeV [37.268 MeV] (A_Ar:226)
40Ar18 + 6 D* --> 51V23 + 1H1 + 88.687 MeV [46.095 MeV] (A_Ar:227)
40Ar18 + 6 D* --> 52Cr24 + 99.191 MeV [56.599 MeV] (A_Ar:228)

40Ar18 + 7 D* --> 37Cl17 + 17O8 + 89.481 MeV [38.277 MeV] (A_Ar:229)
40Ar18 + 7 D* --> 40Ar18 + 14N7 + 89.087 MeV [37.883 MeV] (A_Ar:230)
40Ar18 + 7 D* --> 41K19 + 13C6 + 89.344 MeV [38.141 MeV] (A_Ar:231)

40Ar18 + 7 D* --> 43Ca20 + 11B5 + 86.651 MeV [35.448 MeV] (A_Ar:232)
40Ar18 + 7 D* --> 44Ca20 + 10B5 + 86.328 MeV [35.125 MeV] (A_Ar:233)
40Ar18 + 7 D* --> 45Sc21 + 9Be4 + 86.630 MeV [35.427 MeV] (A_Ar:234)
40Ar18 + 7 D* --> 47Ti22 + 7Li3 + 86.934 MeV [35.731 MeV] (A_Ar:235)
40Ar18 + 7 D* --> 48Ti22 + 6Li3 + 91.311 MeV [40.108 MeV] (A_Ar:236)
40Ar18 + 7 D* --> 50V23 + 4He2 + 103.707 MeV [52.504 MeV] (A_Ar:237)
40Ar18 + 7 D* --> 51V23 + 3He2 + 94.180 MeV [42.977 MeV] (A_Ar:238)
40Ar18 + 7 D* --> 52Cr24 + 2H1 + 99.191 MeV [47.988 MeV] (A_Ar:239)
40Ar18 + 7 D* --> 53Cr24 + 1H1 + 104.906 MeV [53.703 MeV] (A_Ar:240)

40Ar18 + 8 D* --> 30Si14 + 26Mg12 + 110.693 MeV [50.472 MeV] (A_Ar:241)
40Ar18 + 8 D* --> 34S16 + 22Ne10 + 108.002 MeV [47.781 MeV] (A_Ar:242)
40Ar18 + 8 D* --> 36S16 + 20Ne10 + 107.752 MeV [47.530 MeV] (A_Ar:243)
40Ar18 + 8 D* --> 37Cl17 + 19F9 + 103.295 MeV [43.073 MeV] (A_Ar:244)
40Ar18 + 8 D* --> 38Ar18 + 18O8 + 105.542 MeV [45.320 MeV] (A_Ar:245)
40Ar18 + 8 D* --> 40Ar18 + 16O8 + 109.823 MeV [49.601 MeV] (A_Ar:246)
40Ar18 + 8 D* --> 41K19 + 15N7 + 105.504 MeV [45.282 MeV] (A_Ar:247)
40Ar18 + 8 D* --> 43Ca20 + 13C6 + 105.330 MeV [45.108 MeV] (A_Ar:248)
40Ar18 + 8 D* --> 44Ca20 + 12C6 + 111.514 MeV [51.293 MeV] (A_Ar:249)
40Ar18 + 8 D* --> 45Sc21 + 11B5 + 102.446 MeV [42.224 MeV] (A_Ar:250)
40Ar18 + 8 D* --> 47Ti22 + 9Be4 + 103.631 MeV [43.409 MeV] (A_Ar:251)
40Ar18 + 8 D* --> 50V23 + 6Li3 + 105.181 MeV [44.959 MeV] (A_Ar:252)
40Ar18 + 8 D* --> 52Cr24 + 4He2 + 123.038 MeV [62.816 MeV] (A_Ar:253)
40Ar18 + 8 D* --> 53Cr24 + 3He2 + 110.399 MeV [50.178 MeV] (A_Ar:254)
40Ar18 + 8 D* --> 55Mn25 + 1H1 + 120.467 MeV [60.246 MeV] (A_Ar:255)
40Ar18 + 8 D* --> 56Fe26 + 130.651 MeV [70.430 MeV] (A_Ar:256)

40Ar18 + 9 D* --> 37Cl17 + 21Ne10 + 120.675 MeV [51.035 MeV] (A_Ar:257)
40Ar18 + 9 D* --> 40K19 + 18O8 + 117.498 MeV [47.858 MeV] (A_Ar:258)
40Ar18 + 9 D* --> 41K19 + 17O8 + 119.549 MeV [49.909 MeV] (A_Ar:259)
40Ar18 + 9 D* --> 43Ca20 + 15N7 + 121.489 MeV [51.849 MeV] (A_Ar:260)
40Ar18 + 9 D* --> 44Ca20 + 14N7 + 121.787 MeV [52.147 MeV] (A_Ar:261)
40Ar18 + 9 D* --> 45Sc21 + 13C6 + 121.124 MeV [51.484 MeV] (A_Ar:262)
40Ar18 + 9 D* --> 47Ti22 + 11B5 + 119.446 MeV [49.806 MeV] (A_Ar:263)
40Ar18 + 9 D* --> 48Ti22 + 10B5 + 119.619 MeV [49.979 MeV] (A_Ar:264)
40Ar18 + 9 D* --> 52Cr24 + 6Li3 + 124.512 MeV [54.872 MeV] (A_Ar:265)
40Ar18 + 9 D* --> 55Mn25 + 3He2 + 125.961 MeV [56.321 MeV] (A_Ar:266)
40Ar18 + 9 D* --> 56Fe26 + 2H1 + 130.651 MeV [61.011 MeV] (A_Ar:267)
40Ar18 + 9 D* --> 57Fe26 + 1H1 + 136.073 MeV [66.433 MeV] (A_Ar:268)

40Ar18 + 10 D* --> 30Si14 + 30Si14 + 145.183 MeV [65.732 MeV] (A_Ar:269)
40Ar18 + 10 D* --> 34S16 + 26Mg12 + 142.464 MeV [63.013 MeV] (A_Ar:270)
40Ar18 + 10 D* --> 36S16 + 24Mg12 + 140.915 MeV [61.464 MeV] (A_Ar:271)
40Ar18 + 10 D* --> 37Cl17 + 23Na11 + 137.609 MeV [58.158 MeV] (A_Ar:272)
40Ar18 + 10 D* --> 38Ar18 + 22Ne10 + 139.057 MeV [59.606 MeV] (A_Ar:273)
40Ar18 + 10 D* --> 40Ar18 + 20Ne10 + 138.399 MeV [58.948 MeV] (A_Ar:274)
40Ar18 + 10 D* --> 41K19 + 19F9 + 133.364 MeV [53.913 MeV] (A_Ar:275)
40Ar18 + 10 D* --> 42Ca20 + 18O8 + 135.646 MeV [56.195 MeV] (A_Ar:276)
40Ar18 + 10 D* --> 43Ca20 + 17O8 + 135.535 MeV [56.084 MeV] (A_Ar:277)
40Ar18 + 10 D* --> 44Ca20 + 16O8 + 142.523 MeV [63.072 MeV] (A_Ar:278)
40Ar18 + 10 D* --> 45Sc21 + 15N7 + 137.284 MeV [57.833 MeV] (A_Ar:279)
40Ar18 + 10 D* --> 47Ti22 + 13C6 + 138.125 MeV [58.674 MeV] (A_Ar:280)
40Ar18 + 10 D* --> 48Ti22 + 12C6 + 144.805 MeV [65.354 MeV] (A_Ar:281)
40Ar18 + 10 D* --> 50V23 + 10B5 + 133.488 MeV [54.037 MeV] (A_Ar:282)

40Ar18 + 10 D* --> 56Fe26 + 4He2 + 154.498 MeV [75.047 MeV] (A_Ar:283)
40Ar18 + 10 D* --> 57Fe26 + 3He2 + 141.566 MeV [62.115 MeV] (A_Ar:284)
40Ar18 + 10 D* --> 59Co27 + 1H1 + 151.257 MeV [71.806 MeV] (A_Ar:285)
40Ar18 + 10 D* --> 60Ni28 + 160.789 MeV [81.338 MeV] (A_Ar:286)

40Ar18 + 11 D* --> 37Cl17 + 25Mg12 + 154.407 MeV [64.760 MeV] (A_Ar:287)
40Ar18 + 11 D* --> 40K19 + 22Ne10 + 151.013 MeV [61.365 MeV] (A_Ar:288)
40Ar18 + 11 D* --> 41K19 + 21Ne10 + 150.744 MeV [61.096 MeV] (A_Ar:289)
40Ar18 + 11 D* --> 43Ca20 + 19F9 + 149.349 MeV [59.701 MeV] (A_Ar:290)
40Ar18 + 11 D* --> 45Sc21 + 17O8 + 151.330 MeV [61.682 MeV] (A_Ar:291)
40Ar18 + 11 D* --> 47Ti22 + 15N7 + 154.284 MeV [64.636 MeV] (A_Ar:292)
40Ar18 + 11 D* --> 48Ti22 + 14N7 + 155.077 MeV [65.430 MeV] (A_Ar:293)
40Ar18 + 11 D* --> 50V23 + 12C6 + 158.675 MeV [69.027 MeV] (A_Ar:294)
40Ar18 + 11 D* --> 52Cr24 + 10B5 + 152.819 MeV [63.172 MeV] (A_Ar:295)
40Ar18 + 11 D* --> 56Fe26 + 6Li3 + 155.972 MeV [66.324 MeV] (A_Ar:296)
40Ar18 + 11 D* --> 59Co27 + 3He2 + 156.750 MeV [67.103 MeV] (A_Ar:297)
40Ar18 + 11 D* --> 60Ni28 + 2H1 + 160.789 MeV [71.142 MeV] (A_Ar:298)
40Ar18 + 11 D* --> 61Ni28 + 1H1 + 166.385 MeV [76.737 MeV] (A_Ar:299)

40Ar18 + 12 D* --> 34S16 + 30Si14 + 176.953 MeV [76.729 MeV] (A_Ar:300)
40Ar18 + 12 D* --> 36S16 + 28Si14 + 174.746 MeV [74.522 MeV] (A_Ar:301)
40Ar18 + 12 D* --> 37Cl17 + 27Al13 + 171.547 MeV [71.323 MeV] (A_Ar:302)
40Ar18 + 12 D* --> 38Ar18 + 26Mg12 + 173.518 MeV [73.294 MeV] (A_Ar:303)
40Ar18 + 12 D* --> 40Ar18 + 24Mg12 + 171.562 MeV [71.338 MeV] (A_Ar:304)
40Ar18 + 12 D* --> 41K19 + 23Na11 + 167.678 MeV [67.454 MeV] (A_Ar:305)
40Ar18 + 12 D* --> 42Ca20 + 22Ne10 + 169.161 MeV [68.937 MeV] (A_Ar:306)
40Ar18 + 12 D* --> 43Ca20 + 21Ne10 + 166.729 MeV [66.505 MeV] (A_Ar:307)
40Ar18 + 12 D* --> 44Ca20 + 20Ne10 + 171.099 MeV [70.875 MeV] (A_Ar:308)
40Ar18 + 12 D* --> 45Sc21 + 19F9 + 165.144 MeV [64.920 MeV] (A_Ar:309)
40Ar18 + 12 D* --> 46Ti22 + 18O8 + 167.494 MeV [67.270 MeV] (A_Ar:310)
40Ar18 + 12 D* --> 47Ti22 + 17O8 + 168.330 MeV [68.106 MeV] (A_Ar:311)
40Ar18 + 12 D* --> 48Ti22 + 16O8 + 175.813 MeV [75.589 MeV] (A_Ar:312)
40Ar18 + 12 D* --> 50V23 + 14N7 + 168.947 MeV [68.723 MeV] (A_Ar:313)
40Ar18 + 12 D* --> 52Cr24 + 12C6 + 178.006 MeV [77.782 MeV] (A_Ar:314)
40Ar18 + 12 D* --> 60Ni28 + 4He2 + 184.636 MeV [84.412 MeV] (A_Ar:315)
40Ar18 + 12 D* --> 61Ni28 + 3He2 + 171.878 MeV [71.654 MeV] (A_Ar:316)
40Ar18 + 12 D* --> 63Cu29 + 1H1 + 180.879 MeV [80.655 MeV] (A_Ar:317)
40Ar18 + 12 D* --> 64Zn30 + 188.592 MeV [88.368 MeV] (A_Ar:318)

---------- Equations follow for Potassium, K, element 19 ----------

39K19 + D* --> 29Si14 + 12C6 + 1.224 MeV [-5.124 MeV] (A_K:1)
39K19 + D* --> 40K19 + 1H1 + 5.575 MeV [-0.773 MeV] (A_K:2)

39K19 + 2 D* --> 23Na11 + 20Ne10 + 9.036 MeV [-4.117 MeV] (A_K:3)
39K19 + 2 D* --> 24Mg12 + 19F9 + 7.885 MeV [-5.268 MeV] (A_K:4)
39K19 + 2 D* --> 27Al13 + 16O8 + 14.398 MeV [1.245 MeV] (A_K:5)
39K19 + 2 D* --> 28Si14 + 15N7 + 13.856 MeV [00.703 MeV] (A_K:6)
39K19 + 2 D* --> 29Si14 + 14N7 + 11.496 MeV [-1.657 MeV] (A_K:7)
39K19 + 2 D* --> 31P15 + 12C6 + 16.905 MeV [3.752 MeV] (A_K:8)
39K19 + 2 D* --> 32S16 + 11B5 + 9.812 MeV [-3.341 MeV] (A_K:9)
39K19 + 2 D* --> 33S16 + 10B5 + 7.000 MeV [-6.153 MeV] (A_K:10)
39K19 + 2 D* --> 36Ar18 + 7Li3 + 7.788 MeV [-5.365 MeV] (A_K:11)
39K19 + 2 D* --> 39K19 + 4He2 + 23.847 MeV [10.694 MeV] (A_K:12)

39K19 + 2 D* --> 40K19 + 3He2 + 11.068 MeV [-2.085 MeV] (A_K:13)
39K19 + 2 D* --> 42Ca20 + 1H1 + 23.723 MeV [10.570 MeV] (A_K:14)

39K19 + 3 D* --> 24Mg12 + 21Ne10 + 25.265 MeV [4.861 MeV] (A_K:15)
39K19 + 3 D* --> 25Mg12 + 20Ne10 + 25.835 MeV [5.431 MeV] (A_K:16)
39K19 + 3 D* --> 28Si14 + 17O8 + 27.902 MeV [7.497 MeV] (A_K:17)
39K19 + 3 D* --> 29Si14 + 16O8 + 32.232 MeV [11.828 MeV] (A_K:18)
39K19 + 3 D* --> 31P15 + 14N7 + 27.178 MeV [6.773 MeV] (A_K:19)
39K19 + 3 D* --> 32S16 + 13C6 + 28.491 MeV [8.087 MeV] (A_K:20)
39K19 + 3 D* --> 33S16 + 12C6 + 32.186 MeV [11.782 MeV] (A_K:21)
39K19 + 3 D* --> 35Cl17 + 10B5 + 22.563 MeV [2.159 MeV] (A_K:22)
39K19 + 3 D* --> 36Ar18 + 9Be4 + 24.484 MeV [4.080 MeV] (A_K:23)
39K19 + 3 D* --> 39K19 + 6Li3 + 25.320 MeV [4.916 MeV] (A_K:24)
39K19 + 3 D* --> 42Ca20 + 3He2 + 29.216 MeV [8.812 MeV] (A_K:25)

39K19 + 4 D* --> 24Mg12 + 23Na11 + 42.199 MeV [14.108 MeV] (A_K:26)
39K19 + 4 D* --> 27Al13 + 20Ne10 + 42.974 MeV [14.883 MeV] (A_K:27)
39K19 + 4 D* --> 28Si14 + 19F9 + 41.716 MeV [13.625 MeV] (A_K:28)
39K19 + 4 D* --> 31P15 + 16O8 + 47.914 MeV [19.823 MeV] (A_K:29)
39K19 + 4 D* --> 32S16 + 15N7 + 44.650 MeV [16.559 MeV] (A_K:30)
39K19 + 4 D* --> 33S16 + 14N7 + 42.458 MeV [14.367 MeV] (A_K:31)
39K19 + 4 D* --> 35Cl17 + 12C6 + 47.749 MeV [19.658 MeV] (A_K:32)
39K19 + 4 D* --> 36Ar18 + 11B5 + 40.299 MeV [12.208 MeV] (A_K:33)
39K19 + 4 D* --> 40Ca20 + 7Li3 + 38.674 MeV [10.583 MeV] (A_K:34)
39K19 + 4 D* --> 46Ti22 + 1H1 + 55.570 MeV [27.479 MeV] (A_K:35)

39K19 + 5 D* --> 25Mg12 + 24Mg12 + 58.998 MeV [22.794 MeV] (A_K:36)
39K19 + 5 D* --> 28Si14 + 21Ne10 + 59.096 MeV [22.893 MeV] (A_K:37)
39K19 + 5 D* --> 29Si14 + 20Ne10 + 60.809 MeV [24.605 MeV] (A_K:38)
39K19 + 5 D* --> 32S16 + 17O8 + 58.696 MeV [22.493 MeV] (A_K:39)
39K19 + 5 D* --> 33S16 + 16O8 + 63.195 MeV [26.991 MeV] (A_K:40)
39K19 + 5 D* --> 35Cl17 + 14N7 + 58.022 MeV [21.818 MeV] (A_K:41)
39K19 + 5 D* --> 36Ar18 + 13C6 + 58.978 MeV [22.775 MeV] (A_K:42)
39K19 + 5 D* --> 39K19 + 10B5 + 53.628 MeV [17.424 MeV] (A_K:43)
39K19 + 5 D* --> 40Ca20 + 9Be4 + 55.370 MeV [19.167 MeV] (A_K:44)
39K19 + 5 D* --> 46Ti22 + 3He2 + 61.064 MeV [24.860 MeV] (A_K:45)

39K19 + 6 D* --> 27Al13 + 24Mg12 + 76.138 MeV [31.405 MeV] (A_K:46)
39K19 + 6 D* --> 28Si14 + 23Na11 + 76.030 MeV [31.297 MeV] (A_K:47)
39K19 + 6 D* --> 31P15 + 20Ne10 + 76.490 MeV [31.757 MeV] (A_K:48)
39K19 + 6 D* --> 32S16 + 19F9 + 72.510 MeV [27.778 MeV] (A_K:49)
39K19 + 6 D* --> 35Cl17 + 16O8 + 78.758 MeV [34.025 MeV] (A_K:50)
39K19 + 6 D* --> 36Ar18 + 15N7 + 75.137 MeV [30.405 MeV] (A_K:51)
39K19 + 6 D* --> 39K19 + 12C6 + 78.814 MeV [34.082 MeV] (A_K:52)
39K19 + 6 D* --> 40Ca20 + 11B5 + 71.186 MeV [26.453 MeV] (A_K:53)
39K19 + 6 D* --> 50Cr24 + 1H1 + 87.978 MeV [43.245 MeV] (A_K:54)

39K19 + 7 D* --> 28Si14 + 25Mg12 + 92.829 MeV [39.159 MeV] (A_K:55)
39K19 + 7 D* --> 29Si14 + 24Mg12 + 93.972 MeV [40.302 MeV] (A_K:56)
39K19 + 7 D* --> 32S16 + 21Ne10 + 89.891 MeV [36.220 MeV] (A_K:57)
39K19 + 7 D* --> 33S16 + 20Ne10 + 91.771 MeV [38.101 MeV] (A_K:58)
39K19 + 7 D* --> 36Ar18 + 17O8 + 89.183 MeV [35.513 MeV] (A_K:59)
39K19 + 7 D* --> 39K19 + 14N7 + 89.087 MeV [35.417 MeV] (A_K:60)
39K19 + 7 D* --> 40Ca20 + 13C6 + 89.864 MeV [36.194 MeV] (A_K:61)

39K19 + 7 D* --> 50Cr24 + 3He2 + 93.471 MeV [39.801 MeV] (A_K:62)

39K19 + 8 D* --> 28Si14 + 27Al13 + 109.968 MeV [46.960 MeV] (A_K:63)
39K19 + 8 D* --> 31P15 + 24Mg12 + 109.653 MeV [46.645 MeV] (A_K:64)
39K19 + 8 D* --> 32S16 + 23Na11 + 106.824 MeV [43.816 MeV] (A_K:65)
39K19 + 8 D* --> 35Cl17 + 20Ne10 + 107.334 MeV [44.326 MeV] (A_K:66)
39K19 + 8 D* --> 36Ar18 + 19F9 + 102.998 MeV [39.990 MeV] (A_K:67)
39K19 + 8 D* --> 39K19 + 16O8 + 109.823 MeV [46.815 MeV] (A_K:68)
39K19 + 8 D* --> 40Ca20 + 15N7 + 106.024 MeV [43.016 MeV] (A_K:69)
39K19 + 8 D* --> 54Fe26 + 1H1 + 120.242 MeV [57.234 MeV] (A_K:70)

39K19 + 9 D* --> 29Si14 + 28Si14 + 127.802 MeV [55.063 MeV] (A_K:71)
39K19 + 9 D* --> 32S16 + 25Mg12 + 123.623 MeV [50.884 MeV] (A_K:72)
39K19 + 9 D* --> 33S16 + 24Mg12 + 124.934 MeV [52.195 MeV] (A_K:73)
39K19 + 9 D* --> 36Ar18 + 21Ne10 + 120.378 MeV [47.639 MeV] (A_K:74)
39K19 + 9 D* --> 40Ca20 + 17O8 + 120.070 MeV [47.331 MeV] (A_K:75)
39K19 + 9 D* --> 54Fe26 + 3He2 + 125.736 MeV [52.997 MeV] (A_K:76)

39K19 + 10 D* --> 31P15 + 28Si14 + 143.484 MeV [60.627 MeV] (A_K:77)
39K19 + 10 D* --> 32S16 + 27Al13 + 140.763 MeV [57.906 MeV] (A_K:78)
39K19 + 10 D* --> 35Cl17 + 24Mg12 + 140.497 MeV [57.641 MeV] (A_K:79)
39K19 + 10 D* --> 36Ar18 + 23Na11 + 137.312 MeV [54.455 MeV] (A_K:80)
39K19 + 10 D* --> 39K19 + 20Ne10 + 138.399 MeV [55.543 MeV] (A_K:81)
39K19 + 10 D* --> 40Ca20 + 19F9 + 133.884 MeV [51.027 MeV] (A_K:82)
39K19 + 10 D* --> 58Ni28 + 1H1 + 150.489 MeV [67.632 MeV] (A_K:83)

39K19 + 11 D* --> 32S16 + 29Si14 + 158.597 MeV [65.243 MeV] (A_K:84)
39K19 + 11 D* --> 33S16 + 28Si14 + 158.765 MeV [65.411 MeV] (A_K:85)
39K19 + 11 D* --> 36Ar18 + 25Mg12 + 154.110 MeV [60.756 MeV] (A_K:86)
39K19 + 11 D* --> 40Ca20 + 21Ne10 + 151.264 MeV [57.910 MeV] (A_K:87)
39K19 + 11 D* --> 58Ni28 + 3He2 + 155.982 MeV [62.628 MeV] (A_K:88)

39K19 + 12 D* --> 32S16 + 31P15 + 174.278 MeV [70.053 MeV] (A_K:89)
39K19 + 12 D* --> 35Cl17 + 28Si14 + 174.328 MeV [70.102 MeV] (A_K:90)
39K19 + 12 D* --> 36Ar18 + 27Al13 + 171.250 MeV [67.024 MeV] (A_K:91)
39K19 + 12 D* --> 39K19 + 24Mg12 + 171.562 MeV [67.337 MeV] (A_K:92)
39K19 + 12 D* --> 40Ca20 + 23Na11 + 168.198 MeV [63.972 MeV] (A_K:93)

40K19 + D* --> 26Mg12 + 16O8 + 00.552 MeV [-5.745 MeV] (A_K:94)
40K19 + D* --> 30Si14 + 12C6 + 4.033 MeV [-2.263 MeV] (A_K:95)
40K19 + D* --> 38Ar18 + 4He2 + 11.890 MeV [5.593 MeV] (A_K:96)
40K19 + D* --> 41K19 + 1H1 + 7.871 MeV [1.574 MeV] (A_K:97)
40K19 + D* --> 42Ca20 + 18.148 MeV [11.851 MeV] (A_K:98)

40K19 + 2 D* --> 23Na11 + 21Ne10 + 7.998 MeV [-5.055 MeV] (A_K:99)
40K19 + 2 D* --> 25Mg12 + 19F9 + 7.416 MeV [-5.636 MeV] (A_K:100)
40K19 + 2 D* --> 27Al13 + 17O8 + 10.742 MeV [-2.311 MeV] (A_K:101)
40K19 + 2 D* --> 29Si14 + 15N7 + 14.530 MeV [1.477 MeV] (A_K:102)
40K19 + 2 D* --> 30Si14 + 14N7 + 14.306 MeV [1.253 MeV] (A_K:103)
40K19 + 2 D* --> 31P15 + 13C6 + 14.052 MeV [1.000 MeV] (A_K:104)
40K19 + 2 D* --> 33S16 + 11B5 + 10.654 MeV [-2.398 MeV] (A_K:105)
40K19 + 2 D* --> 34S16 + 10B5 + 10.617 MeV [-2.435 MeV] (A_K:106)
40K19 + 2 D* --> 35Cl17 + 9Be4 + 10.402 MeV [-2.650 MeV] (A_K:107)
40K19 + 2 D* --> 38Ar18 + 6Li3 + 13.364 MeV [00.311 MeV] (A_K:108)

40K19 + 2 D* --> 40K19 + 4He2 + 23.847 MeV [10.794 MeV] (A_K:109)
40K19 + 2 D* --> 41K19 + 3He2 + 13.364 MeV [00.312 MeV] (A_K:110)
40K19 + 2 D* --> 42Ca20 + 2H1 + 18.148 MeV [5.095 MeV] (A_K:111)
40K19 + 2 D* --> 43Ca20 + 1H1 + 23.856 MeV [10.803 MeV] (A_K:112)

40K19 + 3 D* --> 23Na11 + 23Na11 + 24.932 MeV [4.676 MeV] (A_K:113)
40K19 + 3 D* --> 24Mg12 + 22Ne10 + 27.830 MeV [7.575 MeV] (A_K:114)
40K19 + 3 D* --> 25Mg12 + 21Ne10 + 24.797 MeV [4.541 MeV] (A_K:115)
40K19 + 3 D* --> 26Mg12 + 20Ne10 + 29.128 MeV [8.873 MeV] (A_K:116)
40K19 + 3 D* --> 27Al13 + 19F9 + 24.556 MeV [4.301 MeV] (A_K:117)
40K19 + 3 D* --> 28Si14 + 18O8 + 28.146 MeV [7.891 MeV] (A_K:118)
40K19 + 3 D* --> 29Si14 + 17O8 + 28.576 MeV [8.320 MeV] (A_K:119)
40K19 + 3 D* --> 30Si14 + 16O8 + 35.042 MeV [14.787 MeV] (A_K:120)
40K19 + 3 D* --> 31P15 + 15N7 + 30.211 MeV [9.956 MeV] (A_K:121)
40K19 + 3 D* --> 33S16 + 13C6 + 29.333 MeV [9.078 MeV] (A_K:122)
40K19 + 3 D* --> 34S16 + 12C6 + 35.804 MeV [15.548 MeV] (A_K:123)
40K19 + 3 D* --> 35Cl17 + 11B5 + 26.218 MeV [5.962 MeV] (A_K:124)
40K19 + 3 D* --> 39K19 + 7Li3 + 24.771 MeV [4.515 MeV] (A_K:125)
40K19 + 3 D* --> 40K19 + 6Li3 + 25.320 MeV [5.065 MeV] (A_K:126)
40K19 + 3 D* --> 42Ca20 + 4He2 + 41.994 MeV [21.739 MeV] (A_K:127)
40K19 + 3 D* --> 43Ca20 + 3He2 + 29.349 MeV [9.094 MeV] (A_K:128)
40K19 + 3 D* --> 45Sc21 + 1H1 + 39.651 MeV [19.395 MeV] (A_K:129)
40K19 + 3 D* --> 46Ti22 + 49.995 MeV [29.740 MeV] (A_K:130)

40K19 + 4 D* --> 25Mg12 + 23Na11 + 41.730 MeV [13.836 MeV] (A_K:131)
40K19 + 4 D* --> 27Al13 + 21Ne10 + 41.936 MeV [14.041 MeV] (A_K:132)
40K19 + 4 D* --> 29Si14 + 19F9 + 42.390 MeV [14.495 MeV] (A_K:133)
40K19 + 4 D* --> 31P15 + 17O8 + 44.257 MeV [16.363 MeV] (A_K:134)
40K19 + 4 D* --> 33S16 + 15N7 + 45.492 MeV [17.598 MeV] (A_K:135)
40K19 + 4 D* --> 34S16 + 14N7 + 46.076 MeV [18.181 MeV] (A_K:136)
40K19 + 4 D* --> 35Cl17 + 13C6 + 44.896 MeV [17.002 MeV] (A_K:137)
40K19 + 4 D* --> 38Ar18 + 10B5 + 41.672 MeV [13.777 MeV] (A_K:138)
40K19 + 4 D* --> 39K19 + 9Be4 + 41.467 MeV [13.572 MeV] (A_K:139)
40K19 + 4 D* --> 42Ca20 + 6Li3 + 43.468 MeV [15.573 MeV] (A_K:140)
40K19 + 4 D* --> 45Sc21 + 3He2 + 45.144 MeV [17.250 MeV] (A_K:141)
40K19 + 4 D* --> 46Ti22 + 2H1 + 49.995 MeV [22.101 MeV] (A_K:142)
40K19 + 4 D* --> 47Ti22 + 1H1 + 56.651 MeV [28.756 MeV] (A_K:143)

40K19 + 5 D* --> 25Mg12 + 25Mg12 + 58.529 MeV [22.568 MeV] (A_K:144)
40K19 + 5 D* --> 26Mg12 + 24Mg12 + 62.292 MeV [26.331 MeV] (A_K:145)
40K19 + 5 D* --> 27Al13 + 23Na11 + 58.870 MeV [22.909 MeV] (A_K:146)
40K19 + 5 D* --> 28Si14 + 22Ne10 + 61.661 MeV [25.700 MeV] (A_K:147)
40K19 + 5 D* --> 29Si14 + 21Ne10 + 59.770 MeV [23.810 MeV] (A_K:148)
40K19 + 5 D* --> 30Si14 + 20Ne10 + 63.618 MeV [27.658 MeV] (A_K:149)
40K19 + 5 D* --> 31P15 + 19F9 + 58.072 MeV [22.111 MeV] (A_K:150)
40K19 + 5 D* --> 32S16 + 18O8 + 58.941 MeV [22.980 MeV] (A_K:151)
40K19 + 5 D* --> 33S16 + 17O8 + 59.538 MeV [23.578 MeV] (A_K:152)
40K19 + 5 D* --> 34S16 + 16O8 + 66.812 MeV [30.852 MeV] (A_K:153)
40K19 + 5 D* --> 35Cl17 + 15N7 + 61.056 MeV [25.095 MeV] (A_K:154)
40K19 + 5 D* --> 38Ar18 + 12C6 + 66.858 MeV [30.897 MeV] (A_K:155)
40K19 + 5 D* --> 39K19 + 11B5 + 57.282 MeV [21.322 MeV] (A_K:156)
40K19 + 5 D* --> 40K19 + 10B5 + 53.628 MeV [17.667 MeV] (A_K:157)
40K19 + 5 D* --> 46Ti22 + 4He2 + 73.842 MeV [37.881 MeV] (A_K:158)
40K19 + 5 D* --> 47Ti22 + 3He2 + 62.145 MeV [26.184 MeV] (A_K:159)

40K19 + 5 D* --> 50Cr24 + 82.403 MeV [46.442 MeV] (A_K:160)

40K19 + 6 D* --> 27Al13 + 25Mg12 + 75.669 MeV [31.225 MeV] (A_K:161)
40K19 + 6 D* --> 29Si14 + 23Na11 + 76.704 MeV [32.260 MeV] (A_K:162)
40K19 + 6 D* --> 31P15 + 21Ne10 + 75.452 MeV [31.008 MeV] (A_K:163)
40K19 + 6 D* --> 33S16 + 19F9 + 73.353 MeV [28.908 MeV] (A_K:164)
40K19 + 6 D* --> 35Cl17 + 17O8 + 75.101 MeV [30.657 MeV] (A_K:165)
40K19 + 6 D* --> 38Ar18 + 14N7 + 77.130 MeV [32.686 MeV] (A_K:166)
40K19 + 6 D* --> 39K19 + 13C6 + 75.961 MeV [31.517 MeV] (A_K:167)
40K19 + 6 D* --> 40K19 + 12C6 + 78.814 MeV [34.370 MeV] (A_K:168)
40K19 + 6 D* --> 42Ca20 + 10B5 + 71.775 MeV [27.331 MeV] (A_K:169)
40K19 + 6 D* --> 46Ti22 + 6Li3 + 75.316 MeV [30.872 MeV] (A_K:170)
40K19 + 6 D* --> 50Cr24 + 2H1 + 82.403 MeV [37.959 MeV] (A_K:171)

40K19 + 7 D* --> 27Al13 + 27Al13 + 92.808 MeV [39.471 MeV] (A_K:172)
40K19 + 7 D* --> 28Si14 + 26Mg12 + 96.122 MeV [42.786 MeV] (A_K:173)
40K19 + 7 D* --> 29Si14 + 25Mg12 + 93.503 MeV [40.166 MeV] (A_K:174)
40K19 + 7 D* --> 30Si14 + 24Mg12 + 96.781 MeV [43.445 MeV] (A_K:175)
40K19 + 7 D* --> 31P15 + 23Na11 + 92.386 MeV [39.049 MeV] (A_K:176)
40K19 + 7 D* --> 32S16 + 22Ne10 + 92.455 MeV [39.119 MeV] (A_K:177)
40K19 + 7 D* --> 33S16 + 21Ne10 + 90.733 MeV [37.396 MeV] (A_K:178)
40K19 + 7 D* --> 34S16 + 20Ne10 + 95.389 MeV [42.052 MeV] (A_K:179)
40K19 + 7 D* --> 35Cl17 + 19F9 + 88.916 MeV [35.579 MeV] (A_K:180)
40K19 + 7 D* --> 36Ar18 + 18O8 + 89.428 MeV [36.091 MeV] (A_K:181)
40K19 + 7 D* --> 38Ar18 + 16O8 + 97.866 MeV [44.530 MeV] (A_K:182)
40K19 + 7 D* --> 39K19 + 15N7 + 92.120 MeV [38.784 MeV] (A_K:183)
40K19 + 7 D* --> 40K19 + 14N7 + 89.087 MeV [35.750 MeV] (A_K:184)
40K19 + 7 D* --> 42Ca20 + 12C6 + 96.962 MeV [43.625 MeV] (A_K:185)
40K19 + 7 D* --> 50Cr24 + 4He2 + 106.249 MeV [52.913 MeV] (A_K:186)
40K19 + 7 D* --> 54Fe26 + 114.667 MeV [61.331 MeV] (A_K:187)

40K19 + 8 D* --> 29Si14 + 27Al13 + 110.642 MeV [48.012 MeV] (A_K:188)
40K19 + 8 D* --> 31P15 + 25Mg12 + 109.184 MeV [46.554 MeV] (A_K:189)
40K19 + 8 D* --> 33S16 + 23Na11 + 107.666 MeV [45.036 MeV] (A_K:190)
40K19 + 8 D* --> 35Cl17 + 21Ne10 + 106.296 MeV [43.665 MeV] (A_K:191)
40K19 + 8 D* --> 39K19 + 17O8 + 106.166 MeV [43.536 MeV] (A_K:192)
40K19 + 8 D* --> 40K19 + 16O8 + 109.823 MeV [47.192 MeV] (A_K:193)
40K19 + 8 D* --> 42Ca20 + 14N7 + 107.234 MeV [44.604 MeV] (A_K:194)
40K19 + 8 D* --> 46Ti22 + 10B5 + 103.623 MeV [40.993 MeV] (A_K:195)
40K19 + 8 D* --> 50Cr24 + 6Li3 + 107.723 MeV [45.093 MeV] (A_K:196)
40K19 + 8 D* --> 54Fe26 + 2H1 + 114.667 MeV [52.037 MeV] (A_K:197)

40K19 + 9 D* --> 29Si14 + 29Si14 + 128.476 MeV [56.158 MeV] (A_K:198)
40K19 + 9 D* --> 30Si14 + 28Si14 + 130.612 MeV [58.294 MeV] (A_K:199)
40K19 + 9 D* --> 31P15 + 27Al13 + 126.324 MeV [54.005 MeV] (A_K:200)
40K19 + 9 D* --> 32S16 + 26Mg12 + 126.917 MeV [54.598 MeV] (A_K:201)
40K19 + 9 D* --> 33S16 + 25Mg12 + 124.465 MeV [52.147 MeV] (A_K:202)
40K19 + 9 D* --> 34S16 + 24Mg12 + 128.552 MeV [56.233 MeV] (A_K:203)
40K19 + 9 D* --> 35Cl17 + 23Na11 + 123.230 MeV [50.911 MeV] (A_K:204)
40K19 + 9 D* --> 36Ar18 + 22Ne10 + 122.943 MeV [50.624 MeV] (A_K:205)
40K19 + 9 D* --> 38Ar18 + 20Ne10 + 126.443 MeV [54.124 MeV] (A_K:206)
40K19 + 9 D* --> 39K19 + 19F9 + 119.981 MeV [47.662 MeV] (A_K:207)
40K19 + 9 D* --> 40Ca20 + 18O8 + 120.314 MeV [47.996 MeV] (A_K:208)
40K19 + 9 D* --> 42Ca20 + 16O8 + 127.970 MeV [55.652 MeV] (A_K:209)

40K19 + 9 D* --> 46Ti22 + 12C6 + 128.810 MeV [56.491 MeV] (A_K:210)
40K19 + 9 D* --> 54Fe26 + 4He2 + 138.514 MeV [66.195 MeV] (A_K:211)
40K19 + 9 D* --> 58Ni28 + 144.914 MeV [72.595 MeV] (A_K:212)

40K19 + 10 D* --> 31P15 + 29Si14 + 144.158 MeV [61.764 MeV] (A_K:213)
40K19 + 10 D* --> 33S16 + 27Al13 + 141.605 MeV [59.211 MeV] (A_K:214)
40K19 + 10 D* --> 35Cl17 + 25Mg12 + 140.028 MeV [57.635 MeV] (A_K:215)
40K19 + 10 D* --> 39K19 + 21Ne10 + 137.361 MeV [54.967 MeV] (A_K:216)
40K19 + 10 D* --> 40K19 + 20Ne10 + 138.399 MeV [56.006 MeV] (A_K:217)
40K19 + 10 D* --> 46Ti22 + 14N7 + 139.082 MeV [56.688 MeV] (A_K:218)
40K19 + 10 D* --> 50Cr24 + 10B5 + 136.031 MeV [53.637 MeV] (A_K:219)
40K19 + 10 D* --> 54Fe26 + 6Li3 + 139.988 MeV [57.594 MeV] (A_K:220)
40K19 + 10 D* --> 58Ni28 + 2H1 + 144.914 MeV [62.520 MeV] (A_K:221)

40K19 + 11 D* --> 31P15 + 31P15 + 159.840 MeV [66.990 MeV] (A_K:222)
40K19 + 11 D* --> 32S16 + 30Si14 + 161.406 MeV [68.557 MeV] (A_K:223)
40K19 + 11 D* --> 33S16 + 29Si14 + 159.439 MeV [66.589 MeV] (A_K:224)
40K19 + 11 D* --> 34S16 + 28Si14 + 162.382 MeV [69.533 MeV] (A_K:225)
40K19 + 11 D* --> 35Cl17 + 27Al13 + 157.168 MeV [64.318 MeV] (A_K:226)
40K19 + 11 D* --> 36Ar18 + 26Mg12 + 157.404 MeV [64.554 MeV] (A_K:227)
40K19 + 11 D* --> 38Ar18 + 24Mg12 + 159.606 MeV [66.756 MeV] (A_K:228)
40K19 + 11 D* --> 39K19 + 23Na11 + 154.295 MeV [61.445 MeV] (A_K:229)
40K19 + 11 D* --> 40Ca20 + 22Ne10 + 153.829 MeV [60.979 MeV] (A_K:230)
40K19 + 11 D* --> 42Ca20 + 20Ne10 + 156.547 MeV [63.697 MeV] (A_K:231)
40K19 + 11 D* --> 46Ti22 + 16O8 + 159.818 MeV [66.969 MeV] (A_K:232)
40K19 + 11 D* --> 50Cr24 + 12C6 + 161.217 MeV [68.368 MeV] (A_K:233)
40K19 + 11 D* --> 58Ni28 + 4He2 + 168.761 MeV [75.911 MeV] (A_K:234)

40K19 + 12 D* --> 33S16 + 31P15 + 175.120 MeV [71.440 MeV] (A_K:235)
40K19 + 12 D* --> 35Cl17 + 29Si14 + 175.002 MeV [71.322 MeV] (A_K:236)
40K19 + 12 D* --> 39K19 + 25Mg12 + 171.093 MeV [67.413 MeV] (A_K:237)
40K19 + 12 D* --> 40K19 + 24Mg12 + 171.562 MeV [67.882 MeV] (A_K:238)
40K19 + 12 D* --> 50Cr24 + 14N7 + 171.490 MeV [67.810 MeV] (A_K:239)
40K19 + 12 D* --> 54Fe26 + 10B5 + 168.295 MeV [64.615 MeV] (A_K:240)
40K19 + 12 D* --> 58Ni28 + 6Li3 + 170.234 MeV [66.554 MeV] (A_K:241)

41K19 + D* --> 43Ca20 + 15.985 MeV [9.738 MeV] (A_K:242)

41K19 + 2 D* --> 23Na11 + 22Ne10 + 8.267 MeV [-4.688 MeV] (A_K:243)
41K19 + 2 D* --> 26Mg12 + 19F9 + 8.414 MeV [-4.541 MeV] (A_K:244)
41K19 + 2 D* --> 27Al13 + 18O8 + 8.691 MeV [-4.265 MeV] (A_K:245)
41K19 + 2 D* --> 30Si14 + 15N7 + 15.044 MeV [2.089 MeV] (A_K:246)
41K19 + 2 D* --> 34S16 + 11B5 + 11.976 MeV [-0.979 MeV] (A_K:247)
41K19 + 2 D* --> 38Ar18 + 7Li3 + 10.519 MeV [-2.436 MeV] (A_K:248)
41K19 + 2 D* --> 41K19 + 4He2 + 23.847 MeV [10.891 MeV] (A_K:249)
41K19 + 2 D* --> 43Ca20 + 2H1 + 15.985 MeV [3.030 MeV] (A_K:250)
41K19 + 2 D* --> 44Ca20 + 1H1 + 24.892 MeV [11.937 MeV] (A_K:251)
41K19 + 2 D* --> 45Sc21 + 31.780 MeV [18.825 MeV] (A_K:252)

41K19 + 3 D* --> 25Mg12 + 22Ne10 + 25.066 MeV [4.955 MeV] (A_K:253)
41K19 + 3 D* --> 26Mg12 + 21Ne10 + 25.794 MeV [5.684 MeV] (A_K:254)
41K19 + 3 D* --> 29Si14 + 18O8 + 26.525 MeV [6.414 MeV] (A_K:255)
41K19 + 3 D* --> 30Si14 + 17O8 + 29.090 MeV [8.979 MeV] (A_K:256)
41K19 + 3 D* --> 34S16 + 13C6 + 30.655 MeV [10.544 MeV] (A_K:257)

41K19 + 3 D* --> 37Cl17 + 10B5 + 23.559 MeV [3.448 MeV] (A_K:258)
41K19 + 3 D* --> 38Ar18 + 9Be4 + 27.215 MeV [7.104 MeV] (A_K:259)
41K19 + 3 D* --> 40K19 + 7Li3 + 22.475 MeV [2.364 MeV] (A_K:260)
41K19 + 3 D* --> 41K19 + 6Li3 + 25.320 MeV [5.210 MeV] (A_K:261)
41K19 + 3 D* --> 43Ca20 + 4He2 + 39.832 MeV [19.721 MeV] (A_K:262)
41K19 + 3 D* --> 44Ca20 + 3He2 + 30.385 MeV [10.275 MeV] (A_K:263)
41K19 + 3 D* --> 45Sc21 + 2H1 + 31.780 MeV [11.669 MeV] (A_K:264)
41K19 + 3 D* --> 47Ti22 + 48.780 MeV [28.670 MeV] (A_K:265)

41K19 + 4 D* --> 26Mg12 + 23Na11 + 42.728 MeV [15.025 MeV] (A_K:266)
41K19 + 4 D* --> 27Al13 + 22Ne10 + 42.205 MeV [14.502 MeV] (A_K:267)
41K19 + 4 D* --> 30Si14 + 19F9 + 42.904 MeV [15.201 MeV] (A_K:268)
41K19 + 4 D* --> 31P15 + 18O8 + 42.206 MeV [14.503 MeV] (A_K:269)
41K19 + 4 D* --> 34S16 + 15N7 + 46.814 MeV [19.111 MeV] (A_K:270)
41K19 + 4 D* --> 37Cl17 + 12C6 + 48.745 MeV [21.042 MeV] (A_K:271)
41K19 + 4 D* --> 38Ar18 + 11B5 + 43.030 MeV [15.327 MeV] (A_K:272)
41K19 + 4 D* --> 40K19 + 9Be4 + 39.171 MeV [11.468 MeV] (A_K:273)
41K19 + 4 D* --> 42Ca20 + 7Li3 + 40.623 MeV [12.919 MeV] (A_K:274)
41K19 + 4 D* --> 43Ca20 + 6Li3 + 41.306 MeV [13.602 MeV] (A_K:275)
41K19 + 4 D* --> 45Sc21 + 4He2 + 55.627 MeV [27.923 MeV] (A_K:276)
41K19 + 4 D* --> 47Ti22 + 2H1 + 48.780 MeV [21.077 MeV] (A_K:277)
41K19 + 4 D* --> 48Ti22 + 1H1 + 58.183 MeV [30.479 MeV] (A_K:278)

41K19 + 5 D* --> 26Mg12 + 25Mg12 + 59.527 MeV [23.803 MeV] (A_K:279)
41K19 + 5 D* --> 29Si14 + 22Ne10 + 60.039 MeV [24.315 MeV] (A_K:280)
41K19 + 5 D* --> 30Si14 + 21Ne10 + 60.284 MeV [24.560 MeV] (A_K:281)
41K19 + 5 D* --> 33S16 + 18O8 + 57.487 MeV [21.763 MeV] (A_K:282)
41K19 + 5 D* --> 34S16 + 17O8 + 60.860 MeV [25.136 MeV] (A_K:283)
41K19 + 5 D* --> 37Cl17 + 14N7 + 59.018 MeV [23.294 MeV] (A_K:284)
41K19 + 5 D* --> 38Ar18 + 13C6 + 61.709 MeV [25.985 MeV] (A_K:285)
41K19 + 5 D* --> 40K19 + 11B5 + 54.987 MeV [19.263 MeV] (A_K:286)
41K19 + 5 D* --> 41K19 + 10B5 + 53.628 MeV [17.904 MeV] (A_K:287)
41K19 + 5 D* --> 42Ca20 + 9Be4 + 57.319 MeV [21.595 MeV] (A_K:288)
41K19 + 5 D* --> 45Sc21 + 6Li3 + 57.101 MeV [21.377 MeV] (A_K:289)
41K19 + 5 D* --> 47Ti22 + 4He2 + 72.627 MeV [36.903 MeV] (A_K:290)
41K19 + 5 D* --> 48Ti22 + 3He2 + 63.676 MeV [27.952 MeV] (A_K:291)
41K19 + 5 D* --> 50V23 + 1H1 + 72.052 MeV [36.328 MeV] (A_K:292)

41K19 + 6 D* --> 27Al13 + 26Mg12 + 76.666 MeV [32.504 MeV] (A_K:293)
41K19 + 6 D* --> 30Si14 + 23Na11 + 77.218 MeV [33.055 MeV] (A_K:294)
41K19 + 6 D* --> 31P15 + 22Ne10 + 75.721 MeV [31.558 MeV] (A_K:295)
41K19 + 6 D* --> 34S16 + 19F9 + 74.674 MeV [30.512 MeV] (A_K:296)
41K19 + 6 D* --> 35Cl17 + 18O8 + 73.050 MeV [28.888 MeV] (A_K:297)
41K19 + 6 D* --> 37Cl17 + 16O8 + 79.754 MeV [35.591 MeV] (A_K:298)
41K19 + 6 D* --> 38Ar18 + 15N7 + 77.868 MeV [33.706 MeV] (A_K:299)
41K19 + 6 D* --> 40K19 + 13C6 + 73.665 MeV [29.503 MeV] (A_K:300)
41K19 + 6 D* --> 41K19 + 12C6 + 78.814 MeV [34.652 MeV] (A_K:301)
41K19 + 6 D* --> 42Ca20 + 11B5 + 73.134 MeV [28.972 MeV] (A_K:302)
41K19 + 6 D* --> 43Ca20 + 10B5 + 69.613 MeV [25.450 MeV] (A_K:303)
41K19 + 6 D* --> 46Ti22 + 7Li3 + 72.471 MeV [28.308 MeV] (A_K:304)
41K19 + 6 D* --> 47Ti22 + 6Li3 + 74.101 MeV [29.938 MeV] (A_K:305)
41K19 + 6 D* --> 50V23 + 3He2 + 77.546 MeV [33.383 MeV] (A_K:306)
41K19 + 6 D* --> 52Cr24 + 1H1 + 91.383 MeV [47.220 MeV] (A_K:307)

41K19 + 7 D* --> 29Si14 + 26Mg12 + 94.501 MeV [41.489 MeV] (A_K:308)
41K19 + 7 D* --> 30Si14 + 25Mg12 + 94.017 MeV [41.005 MeV] (A_K:309)
41K19 + 7 D* --> 33S16 + 22Ne10 + 91.002 MeV [37.990 MeV] (A_K:310)
41K19 + 7 D* --> 34S16 + 21Ne10 + 92.055 MeV [39.043 MeV] (A_K:311)
41K19 + 7 D* --> 38Ar18 + 17O8 + 91.914 MeV [38.903 MeV] (A_K:312)
41K19 + 7 D* --> 40K19 + 15N7 + 89.825 MeV [36.813 MeV] (A_K:313)
41K19 + 7 D* --> 41K19 + 14N7 + 89.087 MeV [36.075 MeV] (A_K:314)
41K19 + 7 D* --> 42Ca20 + 13C6 + 91.813 MeV [38.802 MeV] (A_K:315)
41K19 + 7 D* --> 43Ca20 + 12C6 + 94.800 MeV [41.788 MeV] (A_K:316)
41K19 + 7 D* --> 45Sc21 + 10B5 + 85.408 MeV [32.397 MeV] (A_K:317)
41K19 + 7 D* --> 46Ti22 + 9Be4 + 89.167 MeV [36.155 MeV] (A_K:318)
41K19 + 7 D* --> 52Cr24 + 3He2 + 96.877 MeV [43.865 MeV] (A_K:319)

41K19 + 8 D* --> 30Si14 + 27Al13 + 111.156 MeV [48.894 MeV] (A_K:320)
41K19 + 8 D* --> 31P15 + 26Mg12 + 110.182 MeV [47.920 MeV] (A_K:321)
41K19 + 8 D* --> 34S16 + 23Na11 + 108.988 MeV [46.726 MeV] (A_K:322)
41K19 + 8 D* --> 35Cl17 + 22Ne10 + 106.565 MeV [44.303 MeV] (A_K:323)
41K19 + 8 D* --> 37Cl17 + 20Ne10 + 108.330 MeV [46.068 MeV] (A_K:324)
41K19 + 8 D* --> 38Ar18 + 19F9 + 105.729 MeV [43.466 MeV] (A_K:325)
41K19 + 8 D* --> 39K19 + 18O8 + 104.115 MeV [41.853 MeV] (A_K:326)
41K19 + 8 D* --> 40K19 + 17O8 + 103.871 MeV [41.609 MeV] (A_K:327)
41K19 + 8 D* --> 41K19 + 16O8 + 109.823 MeV [47.561 MeV] (A_K:328)
41K19 + 8 D* --> 42Ca20 + 15N7 + 107.972 MeV [45.710 MeV] (A_K:329)
41K19 + 8 D* --> 43Ca20 + 14N7 + 105.072 MeV [42.810 MeV] (A_K:330)
41K19 + 8 D* --> 45Sc21 + 12C6 + 110.594 MeV [48.332 MeV] (A_K:331)
41K19 + 8 D* --> 46Ti22 + 11B5 + 104.982 MeV [42.720 MeV] (A_K:332)
41K19 + 8 D* --> 47Ti22 + 10B5 + 102.408 MeV [40.146 MeV] (A_K:333)
41K19 + 8 D* --> 50Cr24 + 7Li3 + 104.878 MeV [42.616 MeV] (A_K:334)
41K19 + 8 D* --> 56Fe26 + 1H1 + 122.843 MeV [60.581 MeV] (A_K:335)

41K19 + 9 D* --> 30Si14 + 29Si14 + 128.990 MeV [57.083 MeV] (A_K:336)
41K19 + 9 D* --> 33S16 + 26Mg12 + 125.463 MeV [53.555 MeV] (A_K:337)
41K19 + 9 D* --> 34S16 + 25Mg12 + 125.787 MeV [53.879 MeV] (A_K:338)
41K19 + 9 D* --> 38Ar18 + 21Ne10 + 123.109 MeV [51.201 MeV] (A_K:339)
41K19 + 9 D* --> 40K19 + 19F9 + 117.685 MeV [45.777 MeV] (A_K:340)
41K19 + 9 D* --> 42Ca20 + 17O8 + 122.018 MeV [50.111 MeV] (A_K:341)
41K19 + 9 D* --> 43Ca20 + 16O8 + 125.808 MeV [53.900 MeV] (A_K:342)
41K19 + 9 D* --> 45Sc21 + 14N7 + 120.867 MeV [48.959 MeV] (A_K:343)
41K19 + 9 D* --> 46Ti22 + 13C6 + 123.661 MeV [51.753 MeV] (A_K:344)
41K19 + 9 D* --> 47Ti22 + 12C6 + 127.595 MeV [55.687 MeV] (A_K:345)
41K19 + 9 D* --> 50Cr24 + 9Be4 + 121.574 MeV [49.667 MeV] (A_K:346)
41K19 + 9 D* --> 56Fe26 + 3He2 + 128.337 MeV [56.429 MeV] (A_K:347)

41K19 + 10 D* --> 31P15 + 30Si14 + 144.672 MeV [62.731 MeV] (A_K:348)
41K19 + 10 D* --> 34S16 + 27Al13 + 142.927 MeV [60.986 MeV] (A_K:349)
41K19 + 10 D* --> 35Cl17 + 26Mg12 + 141.026 MeV [59.085 MeV] (A_K:350)
41K19 + 10 D* --> 37Cl17 + 24Mg12 + 141.493 MeV [59.552 MeV] (A_K:351)
41K19 + 10 D* --> 38Ar18 + 23Na11 + 140.043 MeV [58.102 MeV] (A_K:352)
41K19 + 10 D* --> 39K19 + 22Ne10 + 137.630 MeV [55.689 MeV] (A_K:353)
41K19 + 10 D* --> 40K19 + 21Ne10 + 135.065 MeV [53.124 MeV] (A_K:354)
41K19 + 10 D* --> 41K19 + 20Ne10 + 138.399 MeV [56.458 MeV] (A_K:355)
41K19 + 10 D* --> 42Ca20 + 19F9 + 135.833 MeV [53.892 MeV] (A_K:356)
41K19 + 10 D* --> 45Sc21 + 16O8 + 141.603 MeV [59.662 MeV] (A_K:357)
41K19 + 10 D* --> 46Ti22 + 15N7 + 139.820 MeV [57.879 MeV] (A_K:358)

41K19 + 10 D* --> 47Ti22 + 14N7 + 137.867 MeV [55.926 MeV] (A_K:359)
41K19 + 10 D* --> 50Cr24 + 11B5 + 137.390 MeV [55.449 MeV] (A_K:360)
41K19 + 10 D* --> 54Fe26 + 7Li3 + 137.142 MeV [55.202 MeV] (A_K:361)
41K19 + 10 D* --> 60Ni28 + 1H1 + 152.981 MeV [71.040 MeV] (A_K:362)

41K19 + 11 D* --> 33S16 + 30Si14 + 159.953 MeV [67.597 MeV] (A_K:363)
41K19 + 11 D* --> 34S16 + 29Si14 + 160.761 MeV [68.405 MeV] (A_K:364)
41K19 + 11 D* --> 38Ar18 + 25Mg12 + 156.841 MeV [64.486 MeV] (A_K:365)
41K19 + 11 D* --> 40K19 + 23Na11 + 151.999 MeV [59.643 MeV] (A_K:366)
41K19 + 11 D* --> 42Ca20 + 21Ne10 + 153.213 MeV [60.857 MeV] (A_K:367)
41K19 + 11 D* --> 43Ca20 + 20Ne10 + 154.384 MeV [62.029 MeV] (A_K:368)
41K19 + 11 D* --> 46Ti22 + 17O8 + 153.866 MeV [61.511 MeV] (A_K:369)
41K19 + 11 D* --> 47Ti22 + 16O8 + 158.603 MeV [66.248 MeV] (A_K:370)
41K19 + 11 D* --> 50Cr24 + 13C6 + 156.068 MeV [63.713 MeV] (A_K:371)
41K19 + 11 D* --> 54Fe26 + 9Be4 + 153.839 MeV [61.483 MeV] (A_K:372)
41K19 + 11 D* --> 60Ni28 + 3He2 + 158.475 MeV [66.119 MeV] (A_K:373)

41K19 + 12 D* --> 34S16 + 31P15 + 176.442 MeV [73.297 MeV] (A_K:374)
41K19 + 12 D* --> 35Cl17 + 30Si14 + 175.516 MeV [72.370 MeV] (A_K:375)
41K19 + 12 D* --> 37Cl17 + 28Si14 + 175.324 MeV [72.178 MeV] (A_K:376)
41K19 + 12 D* --> 38Ar18 + 27Al13 + 173.981 MeV [70.835 MeV] (A_K:377)
41K19 + 12 D* --> 39K19 + 26Mg12 + 172.091 MeV [68.946 MeV] (A_K:378)
41K19 + 12 D* --> 40K19 + 25Mg12 + 168.798 MeV [65.652 MeV] (A_K:379)
41K19 + 12 D* --> 41K19 + 24Mg12 + 171.562 MeV [68.417 MeV] (A_K:380)
41K19 + 12 D* --> 42Ca20 + 23Na11 + 170.147 MeV [67.001 MeV] (A_K:381)
41K19 + 12 D* --> 45Sc21 + 20Ne10 + 170.179 MeV [67.034 MeV] (A_K:382)
41K19 + 12 D* --> 46Ti22 + 19F9 + 167.680 MeV [64.535 MeV] (A_K:383)
41K19 + 12 D* --> 50Cr24 + 15N7 + 172.228 MeV [69.082 MeV] (A_K:384)
41K19 + 12 D* --> 54Fe26 + 11B5 + 169.654 MeV [66.509 MeV] (A_K:385)
41K19 + 12 D* --> 58Ni28 + 7Li3 + 167.389 MeV [64.244 MeV] (A_K:386)
41K19 + 12 D* --> 64Zn30 + 1H1 + 180.784 MeV [77.639 MeV] (A_K:387)

---------- Equations follow for Calcium, Ca, element 20 ----------

40Ca20 + 2 D* --> 24Mg12 + 20Ne10 + 12.401 MeV [-1.304 MeV] (A_Ca:1)
40Ca20 + 2 D* --> 28Si14 + 16O8 + 17.655 MeV [3.950 MeV] (A_Ca:2)
40Ca20 + 2 D* --> 32S16 + 12C6 + 17.441 MeV [3.736 MeV] (A_Ca:3)
40Ca20 + 2 D* --> 40Ca20 + 4He2 + 23.847 MeV [10.141 MeV] (A_Ca:4)

40Ca20 + 3 D* --> 32S16 + 14N7 + 27.713 MeV [6.493 MeV] (A_Ca:5)
40Ca20 + 3 D* --> 36Ar18 + 10B5 + 22.742 MeV [1.522 MeV] (A_Ca:6)
40Ca20 + 3 D* --> 40Ca20 + 6Li3 + 25.320 MeV [4.100 MeV] (A_Ca:7)

40Ca20 + 4 D* --> 24Mg12 + 24Mg12 + 45.564 MeV [16.401 MeV] (A_Ca:8)
40Ca20 + 4 D* --> 28Si14 + 20Ne10 + 46.231 MeV [17.069 MeV] (A_Ca:9)
40Ca20 + 4 D* --> 32S16 + 16O8 + 48.449 MeV [19.287 MeV] (A_Ca:10)
40Ca20 + 4 D* --> 36Ar18 + 12C6 + 47.928 MeV [18.766 MeV] (A_Ca:11)

40Ca20 + 5 D* --> 36Ar18 + 14N7 + 58.200 MeV [20.676 MeV] (A_Ca:12)
40Ca20 + 5 D* --> 40Ca20 + 10B5 + 53.628 MeV [16.104 MeV] (A_Ca:13)

40Ca20 + 6 D* --> 28Si14 + 24Mg12 + 79.394 MeV [33.099 MeV] (A_Ca:14)
40Ca20 + 6 D* --> 32S16 + 20Ne10 + 77.026 MeV [30.730 MeV] (A_Ca:15)

40Ca20 + 6 D* --> 36Ar18 + 16O8 + 78.937 MeV [32.641 MeV] (A_Ca:16)
40Ca20 + 6 D* --> 40Ca20 + 12C6 + 78.814 MeV [32.518 MeV] (A_Ca:17)

40Ca20 + 7 D* --> 40Ca20 + 14N7 + 89.087 MeV [33.616 MeV] (A_Ca:18)

40Ca20 + 8 D* --> 28Si14 + 28Si14 + 113.225 MeV [48.186 MeV] (A_Ca:19)
40Ca20 + 8 D* --> 32S16 + 24Mg12 + 110.189 MeV [45.149 MeV] (A_Ca:20)
40Ca20 + 8 D* --> 36Ar18 + 20Ne10 + 107.513 MeV [42.474 MeV] (A_Ca:21)
40Ca20 + 8 D* --> 40Ca20 + 16O8 + 109.823 MeV [44.783 MeV] (A_Ca:22)

40Ca20 + 10 D* --> 32S16 + 28Si14 + 144.019 MeV [58.683 MeV] (A_Ca:23)
40Ca20 + 10 D* --> 36Ar18 + 24Mg12 + 140.676 MeV [55.340 MeV] (A_Ca:24)
40Ca20 + 10 D* --> 40Ca20 + 20Ne10 + 138.399 MeV [53.063 MeV] (A_Ca:25)

40Ca20 + 12 D* --> 32S16 + 32S16 + 174.814 MeV [67.678 MeV] (A_Ca:26)
40Ca20 + 12 D* --> 36Ar18 + 28Si14 + 174.507 MeV [67.371 MeV] (A_Ca:27)
40Ca20 + 12 D* --> 40Ca20 + 24Mg12 + 171.562 MeV [64.426 MeV] (A_Ca:28)

42Ca20 + D* --> 40K19 + 4He2 + 5.699 MeV [-0.827 MeV] (A_Ca:29)
42Ca20 + D* --> 43Ca20 + 1H1 + 5.708 MeV [-0.818 MeV] (A_Ca:30)

42Ca20 + 2 D* --> 23Na11 + 23Na11 + 6.784 MeV [-6.720 MeV] (A_Ca:31)
42Ca20 + 2 D* --> 24Mg12 + 22Ne10 + 9.683 MeV [-3.821 MeV] (A_Ca:32)
42Ca20 + 2 D* --> 25Mg12 + 21Ne10 + 6.649 MeV [-6.855 MeV] (A_Ca:33)
42Ca20 + 2 D* --> 26Mg12 + 20Ne10 + 10.981 MeV [-2.523 MeV] (A_Ca:34)
42Ca20 + 2 D* --> 27Al13 + 19F9 + 6.408 MeV [-7.095 MeV] (A_Ca:35)
42Ca20 + 2 D* --> 28Si14 + 18O8 + 9.999 MeV [-3.505 MeV] (A_Ca:36)
42Ca20 + 2 D* --> 29Si14 + 17O8 + 10.428 MeV [-3.075 MeV] (A_Ca:37)
42Ca20 + 2 D* --> 30Si14 + 16O8 + 16.894 MeV [3.391 MeV] (A_Ca:38)
42Ca20 + 2 D* --> 31P15 + 15N7 + 12.064 MeV [-1.440 MeV] (A_Ca:39)
42Ca20 + 2 D* --> 33S16 + 13C6 + 11.185 MeV [-2.318 MeV] (A_Ca:40)
42Ca20 + 2 D* --> 34S16 + 12C6 + 17.656 MeV [4.153 MeV] (A_Ca:41)
42Ca20 + 2 D* --> 35Cl17 + 11B5 + 8.070 MeV [-5.434 MeV] (A_Ca:42)
42Ca20 + 2 D* --> 39K19 + 7Li3 + 6.623 MeV [-6.880 MeV] (A_Ca:43)
42Ca20 + 2 D* --> 40K19 + 6Li3 + 7.173 MeV [-6.331 MeV] (A_Ca:44)
42Ca20 + 2 D* --> 42Ca20 + 4He2 + 23.847 MeV [10.343 MeV] (A_Ca:45)
42Ca20 + 2 D* --> 43Ca20 + 3He2 + 11.202 MeV [-2.302 MeV] (A_Ca:46)
42Ca20 + 2 D* --> 45Sc21 + 1H1 + 21.503 MeV [8.000 MeV] (A_Ca:47)
42Ca20 + 2 D* --> 46Ti22 + 31.848 MeV [18.344 MeV] (A_Ca:48)

42Ca20 + 3 D* --> 25Mg12 + 23Na11 + 23.583 MeV [2.662 MeV] (A_Ca:49)
42Ca20 + 3 D* --> 27Al13 + 21Ne10 + 23.789 MeV [2.868 MeV] (A_Ca:50)
42Ca20 + 3 D* --> 29Si14 + 19F9 + 24.243 MeV [3.322 MeV] (A_Ca:51)
42Ca20 + 3 D* --> 31P15 + 17O8 + 26.110 MeV [5.189 MeV] (A_Ca:52)
42Ca20 + 3 D* --> 33S16 + 15N7 + 27.345 MeV [6.424 MeV] (A_Ca:53)
42Ca20 + 3 D* --> 34S16 + 14N7 + 27.928 MeV [7.007 MeV] (A_Ca:54)
42Ca20 + 3 D* --> 35Cl17 + 13C6 + 26.749 MeV [5.828 MeV] (A_Ca:55)
42Ca20 + 3 D* --> 38Ar18 + 10B5 + 23.524 MeV [2.603 MeV] (A_Ca:56)
42Ca20 + 3 D* --> 39K19 + 9Be4 + 23.319 MeV [2.398 MeV] (A_Ca:57)
42Ca20 + 3 D* --> 42Ca20 + 6Li3 + 25.320 MeV [4.399 MeV] (A_Ca:58)
42Ca20 + 3 D* --> 45Sc21 + 3He2 + 26.997 MeV [6.076 MeV] (A_Ca:59)
42Ca20 + 3 D* --> 46Ti22 + 2H1 + 31.848 MeV [10.927 MeV] (A_Ca:60)

42Ca20 + 3 D* --> 47Ti22 + 1H1 + 38.504 MeV [17.583 MeV] (A_Ca:61)

42Ca20 + 4 D* --> 25Mg12 + 25Mg12 + 40.381 MeV [11.613 MeV] (A_Ca:62)
42Ca20 + 4 D* --> 26Mg12 + 24Mg12 + 44.144 MeV [15.375 MeV] (A_Ca:63)
42Ca20 + 4 D* --> 27Al13 + 23Na11 + 40.722 MeV [11.954 MeV] (A_Ca:64)
42Ca20 + 4 D* --> 28Si14 + 22Ne10 + 43.513 MeV [14.745 MeV] (A_Ca:65)
42Ca20 + 4 D* --> 29Si14 + 21Ne10 + 41.623 MeV [12.854 MeV] (A_Ca:66)
42Ca20 + 4 D* --> 30Si14 + 20Ne10 + 45.471 MeV [16.702 MeV] (A_Ca:67)
42Ca20 + 4 D* --> 31P15 + 19F9 + 39.924 MeV [11.156 MeV] (A_Ca:68)
42Ca20 + 4 D* --> 32S16 + 18O8 + 40.793 MeV [12.025 MeV] (A_Ca:69)
42Ca20 + 4 D* --> 33S16 + 17O8 + 41.391 MeV [12.622 MeV] (A_Ca:70)
42Ca20 + 4 D* --> 34S16 + 16O8 + 48.665 MeV [19.896 MeV] (A_Ca:71)
42Ca20 + 4 D* --> 35Cl17 + 15N7 + 42.908 MeV [14.139 MeV] (A_Ca:72)
42Ca20 + 4 D* --> 38Ar18 + 12C6 + 48.710 MeV [19.942 MeV] (A_Ca:73)
42Ca20 + 4 D* --> 39K19 + 11B5 + 39.135 MeV [10.366 MeV] (A_Ca:74)
42Ca20 + 4 D* --> 40K19 + 10B5 + 35.480 MeV [6.712 MeV] (A_Ca:75)
42Ca20 + 4 D* --> 46Ti22 + 4He2 + 55.694 MeV [26.926 MeV] (A_Ca:76)
42Ca20 + 4 D* --> 47Ti22 + 3He2 + 43.997 MeV [15.229 MeV] (A_Ca:77)
42Ca20 + 4 D* --> 50Cr24 + 64.255 MeV [35.487 MeV] (A_Ca:78)

42Ca20 + 5 D* --> 27Al13 + 25Mg12 + 57.521 MeV [20.484 MeV] (A_Ca:79)
42Ca20 + 5 D* --> 29Si14 + 23Na11 + 58.556 MeV [21.520 MeV] (A_Ca:80)
42Ca20 + 5 D* --> 31P15 + 21Ne10 + 57.304 MeV [20.267 MeV] (A_Ca:81)
42Ca20 + 5 D* --> 33S16 + 19F9 + 55.205 MeV [18.168 MeV] (A_Ca:82)
42Ca20 + 5 D* --> 35Cl17 + 17O8 + 56.954 MeV [19.917 MeV] (A_Ca:83)
42Ca20 + 5 D* --> 38Ar18 + 14N7 + 58.983 MeV [21.946 MeV] (A_Ca:84)
42Ca20 + 5 D* --> 39K19 + 13C6 + 57.814 MeV [20.777 MeV] (A_Ca:85)
42Ca20 + 5 D* --> 40K19 + 12C6 + 60.667 MeV [23.630 MeV] (A_Ca:86)
42Ca20 + 5 D* --> 42Ca20 + 10B5 + 53.628 MeV [16.591 MeV] (A_Ca:87)
42Ca20 + 5 D* --> 46Ti22 + 6Li3 + 57.168 MeV [20.131 MeV] (A_Ca:88)
42Ca20 + 5 D* --> 50Cr24 + 2H1 + 64.255 MeV [27.219 MeV] (A_Ca:89)

42Ca20 + 6 D* --> 27Al13 + 27Al13 + 74.661 MeV [28.943 MeV] (A_Ca:90)
42Ca20 + 6 D* --> 28Si14 + 26Mg12 + 77.975 MeV [32.257 MeV] (A_Ca:91)
42Ca20 + 6 D* --> 29Si14 + 25Mg12 + 75.355 MeV [29.638 MeV] (A_Ca:92)
42Ca20 + 6 D* --> 30Si14 + 24Mg12 + 78.634 MeV [32.917 MeV] (A_Ca:93)
42Ca20 + 6 D* --> 31P15 + 23Na11 + 74.238 MeV [28.521 MeV] (A_Ca:94)
42Ca20 + 6 D* --> 32S16 + 22Ne10 + 74.308 MeV [28.591 MeV] (A_Ca:95)
42Ca20 + 6 D* --> 33S16 + 21Ne10 + 72.585 MeV [26.868 MeV] (A_Ca:96)
42Ca20 + 6 D* --> 34S16 + 20Ne10 + 77.241 MeV [31.524 MeV] (A_Ca:97)
42Ca20 + 6 D* --> 35Cl17 + 19F9 + 70.768 MeV [25.051 MeV] (A_Ca:98)
42Ca20 + 6 D* --> 36Ar18 + 18O8 + 71.280 MeV [25.563 MeV] (A_Ca:99)
42Ca20 + 6 D* --> 38Ar18 + 16O8 + 79.719 MeV [34.002 MeV] (A_Ca:100)
42Ca20 + 6 D* --> 39K19 + 15N7 + 73.973 MeV [28.256 MeV] (A_Ca:101)
42Ca20 + 6 D* --> 40K19 + 14N7 + 70.939 MeV [25.222 MeV] (A_Ca:102)
42Ca20 + 6 D* --> 42Ca20 + 12C6 + 78.814 MeV [33.097 MeV] (A_Ca:103)
42Ca20 + 6 D* --> 50Cr24 + 4He2 + 88.102 MeV [42.385 MeV] (A_Ca:104)
42Ca20 + 6 D* --> 54Fe26 + 96.520 MeV [50.803 MeV] (A_Ca:105)

42Ca20 + 7 D* --> 29Si14 + 27Al13 + 92.495 MeV [37.693 MeV] (A_Ca:106)
42Ca20 + 7 D* --> 31P15 + 25Mg12 + 91.037 MeV [36.235 MeV] (A_Ca:107)
42Ca20 + 7 D* --> 33S16 + 23Na11 + 89.519 MeV [34.717 MeV] (A_Ca:108)
42Ca20 + 7 D* --> 35Cl17 + 21Ne10 + 88.148 MeV [33.347 MeV] (A_Ca:109)
42Ca20 + 7 D* --> 39K19 + 17O8 + 88.019 MeV [33.217 MeV] (A_Ca:110)

42Ca20 + 7 D* --> 40K19 + 16O8 + 91.675 MeV [36.873 MeV] (A_Ca:111)
42Ca20 + 7 D* --> 42Ca20 + 14N7 + 89.087 MeV [34.285 MeV] (A_Ca:112)
42Ca20 + 7 D* --> 46Ti22 + 10B5 + 85.476 MeV [30.674 MeV] (A_Ca:113)
42Ca20 + 7 D* --> 50Cr24 + 6Li3 + 89.576 MeV [34.774 MeV] (A_Ca:114)
42Ca20 + 7 D* --> 54Fe26 + 2H1 + 96.520 MeV [41.718 MeV] (A_Ca:115)

42Ca20 + 8 D* --> 29Si14 + 29Si14 + 110.329 MeV [46.046 MeV] (A_Ca:116)
42Ca20 + 8 D* --> 30Si14 + 28Si14 + 112.464 MeV [48.181 MeV] (A_Ca:117)
42Ca20 + 8 D* --> 31P15 + 27Al13 + 108.176 MeV [43.893 MeV] (A_Ca:118)
42Ca20 + 8 D* --> 32S16 + 26Mg12 + 108.769 MeV [44.486 MeV] (A_Ca:119)
42Ca20 + 8 D* --> 33S16 + 25Mg12 + 106.318 MeV [42.034 MeV] (A_Ca:120)
42Ca20 + 8 D* --> 34S16 + 24Mg12 + 110.404 MeV [46.121 MeV] (A_Ca:121)
42Ca20 + 8 D* --> 35Cl17 + 23Na11 + 105.082 MeV [40.799 MeV] (A_Ca:122)
42Ca20 + 8 D* --> 36Ar18 + 22Ne10 + 104.795 MeV [40.512 MeV] (A_Ca:123)
42Ca20 + 8 D* --> 38Ar18 + 20Ne10 + 108.295 MeV [44.012 MeV] (A_Ca:124)
42Ca20 + 8 D* --> 39K19 + 19F9 + 101.833 MeV [37.550 MeV] (A_Ca:125)
42Ca20 + 8 D* --> 40Ca20 + 18O8 + 102.167 MeV [37.883 MeV] (A_Ca:126)
42Ca20 + 8 D* --> 42Ca20 + 16O8 + 109.823 MeV [45.540 MeV] (A_Ca:127)
42Ca20 + 8 D* --> 46Ti22 + 12C6 + 110.662 MeV [46.379 MeV] (A_Ca:128)
42Ca20 + 8 D* --> 54Fe26 + 4He2 + 120.366 MeV [56.083 MeV] (A_Ca:129)
42Ca20 + 8 D* --> 58Ni28 + 126.766 MeV [62.483 MeV] (A_Ca:130)

42Ca20 + 9 D* --> 31P15 + 29Si14 + 126.010 MeV [51.856 MeV] (A_Ca:131)
42Ca20 + 9 D* --> 33S16 + 27Al13 + 123.457 MeV [49.303 MeV] (A_Ca:132)
42Ca20 + 9 D* --> 35Cl17 + 25Mg12 + 121.881 MeV [47.727 MeV] (A_Ca:133)
42Ca20 + 9 D* --> 39K19 + 21Ne10 + 119.213 MeV [45.059 MeV] (A_Ca:134)
42Ca20 + 9 D* --> 40K19 + 20Ne10 + 120.252 MeV [46.097 MeV] (A_Ca:135)
42Ca20 + 9 D* --> 46Ti22 + 14N7 + 120.934 MeV [46.780 MeV] (A_Ca:136)
42Ca20 + 9 D* --> 50Cr24 + 10B5 + 117.883 MeV [43.729 MeV] (A_Ca:137)
42Ca20 + 9 D* --> 54Fe26 + 6Li3 + 121.840 MeV [47.686 MeV] (A_Ca:138)
42Ca20 + 9 D* --> 58Ni28 + 2H1 + 126.766 MeV [52.612 MeV] (A_Ca:139)

42Ca20 + 10 D* --> 31P15 + 31P15 + 141.692 MeV [57.283 MeV] (A_Ca:140)
42Ca20 + 10 D* --> 32S16 + 30Si14 + 143.259 MeV [58.850 MeV] (A_Ca:141)
42Ca20 + 10 D* --> 33S16 + 29Si14 + 141.291 MeV [56.883 MeV] (A_Ca:142)
42Ca20 + 10 D* --> 34S16 + 28Si14 + 144.235 MeV [59.826 MeV] (A_Ca:143)
42Ca20 + 10 D* --> 35Cl17 + 27Al13 + 139.020 MeV [54.612 MeV] (A_Ca:144)
42Ca20 + 10 D* --> 36Ar18 + 26Mg12 + 139.256 MeV [54.848 MeV] (A_Ca:145)
42Ca20 + 10 D* --> 38Ar18 + 24Mg12 + 141.458 MeV [57.050 MeV] (A_Ca:146)
42Ca20 + 10 D* --> 39K19 + 23Na11 + 136.147 MeV [51.738 MeV] (A_Ca:147)
42Ca20 + 10 D* --> 40Ca20 + 22Ne10 + 135.681 MeV [51.273 MeV] (A_Ca:148)
42Ca20 + 10 D* --> 42Ca20 + 20Ne10 + 138.399 MeV [53.991 MeV] (A_Ca:149)
42Ca20 + 10 D* --> 46Ti22 + 16O8 + 141.671 MeV [57.262 MeV] (A_Ca:150)
42Ca20 + 10 D* --> 50Cr24 + 12C6 + 143.070 MeV [58.661 MeV] (A_Ca:151)
42Ca20 + 10 D* --> 58Ni28 + 4He2 + 150.613 MeV [66.204 MeV] (A_Ca:152)

42Ca20 + 11 D* --> 33S16 + 31P15 + 156.973 MeV [61.933 MeV] (A_Ca:153)
42Ca20 + 11 D* --> 35Cl17 + 29Si14 + 156.854 MeV [61.814 MeV] (A_Ca:154)
42Ca20 + 11 D* --> 39K19 + 25Mg12 + 152.946 MeV [57.906 MeV] (A_Ca:155)
42Ca20 + 11 D* --> 40K19 + 24Mg12 + 153.415 MeV [58.375 MeV] (A_Ca:156)
42Ca20 + 11 D* --> 50Cr24 + 14N7 + 153.342 MeV [58.302 MeV] (A_Ca:157)
42Ca20 + 11 D* --> 54Fe26 + 10B5 + 150.148 MeV [55.108 MeV] (A_Ca:158)
42Ca20 + 11 D* --> 58Ni28 + 6Li3 + 152.087 MeV [57.047 MeV] (A_Ca:159)

42Ca20 + 12 D* --> 33S16 + 33S16 + 172.254 MeV [66.211 MeV] (A_Ca:160)
42Ca20 + 12 D* --> 34S16 + 32S16 + 175.029 MeV [68.986 MeV] (A_Ca:161)
42Ca20 + 12 D* --> 35Cl17 + 31P15 + 172.536 MeV [66.493 MeV] (A_Ca:162)
42Ca20 + 12 D* --> 36Ar18 + 30Si14 + 173.746 MeV [67.703 MeV] (A_Ca:163)
42Ca20 + 12 D* --> 38Ar18 + 28Si14 + 175.289 MeV [69.246 MeV] (A_Ca:164)
42Ca20 + 12 D* --> 39K19 + 27Al13 + 170.085 MeV [64.043 MeV] (A_Ca:165)
42Ca20 + 12 D* --> 40Ca20 + 26Mg12 + 170.142 MeV [64.100 MeV] (A_Ca:166)
42Ca20 + 12 D* --> 42Ca20 + 24Mg12 + 171.562 MeV [65.520 MeV] (A_Ca:167)
42Ca20 + 12 D* --> 46Ti22 + 20Ne10 + 170.247 MeV [64.204 MeV] (A_Ca:168)
42Ca20 + 12 D* --> 50Cr24 + 16O8 + 174.078 MeV [68.035 MeV] (A_Ca:169)
42Ca20 + 12 D* --> 54Fe26 + 12C6 + 175.334 MeV [69.291 MeV] (A_Ca:170)

43Ca20 + D* --> 41K19 + 4He2 + 7.861 MeV [1.384 MeV] (A_Ca:171)
43Ca20 + D* --> 44Ca20 + 1H1 + 8.907 MeV [2.429 MeV] (A_Ca:172)
43Ca20 + D* --> 45Sc21 + 15.795 MeV [9.317 MeV] (A_Ca:173)

43Ca20 + 2 D* --> 25Mg12 + 22Ne10 + 9.080 MeV [-4.327 MeV] (A_Ca:174)
43Ca20 + 2 D* --> 26Mg12 + 21Ne10 + 9.809 MeV [-3.598 MeV] (A_Ca:175)
43Ca20 + 2 D* --> 29Si14 + 18O8 + 10.539 MeV [-2.868 MeV] (A_Ca:176)
43Ca20 + 2 D* --> 30Si14 + 17O8 + 13.105 MeV [-0.303 MeV] (A_Ca:177)
43Ca20 + 2 D* --> 34S16 + 13C6 + 14.670 MeV [1.262 MeV] (A_Ca:178)
43Ca20 + 2 D* --> 37Cl17 + 10B5 + 7.574 MeV [-5.834 MeV] (A_Ca:179)
43Ca20 + 2 D* --> 38Ar18 + 9Be4 + 11.230 MeV [-2.177 MeV] (A_Ca:180)
43Ca20 + 2 D* --> 40K19 + 7Li3 + 6.490 MeV [-6.917 MeV] (A_Ca:181)
43Ca20 + 2 D* --> 41K19 + 6Li3 + 9.335 MeV [-4.072 MeV] (A_Ca:182)
43Ca20 + 2 D* --> 43Ca20 + 4He2 + 23.847 MeV [10.439 MeV] (A_Ca:183)
43Ca20 + 2 D* --> 44Ca20 + 3He2 + 14.400 MeV [00.993 MeV] (A_Ca:184)
43Ca20 + 2 D* --> 45Sc21 + 2H1 + 15.795 MeV [2.388 MeV] (A_Ca:185)
43Ca20 + 2 D* --> 47Ti22 + 32.795 MeV [19.388 MeV] (A_Ca:186)

43Ca20 + 3 D* --> 26Mg12 + 23Na11 + 26.743 MeV [5.965 MeV] (A_Ca:187)
43Ca20 + 3 D* --> 27Al13 + 22Ne10 + 26.220 MeV [5.442 MeV] (A_Ca:188)
43Ca20 + 3 D* --> 30Si14 + 19F9 + 26.919 MeV [6.141 MeV] (A_Ca:189)
43Ca20 + 3 D* --> 31P15 + 18O8 + 26.221 MeV [5.443 MeV] (A_Ca:190)
43Ca20 + 3 D* --> 34S16 + 15N7 + 30.829 MeV [10.051 MeV] (A_Ca:191)
43Ca20 + 3 D* --> 37Cl17 + 12C6 + 32.760 MeV [11.982 MeV] (A_Ca:192)
43Ca20 + 3 D* --> 38Ar18 + 11B5 + 27.045 MeV [6.267 MeV] (A_Ca:193)
43Ca20 + 3 D* --> 40K19 + 9Be4 + 23.186 MeV [2.408 MeV] (A_Ca:194)
43Ca20 + 3 D* --> 42Ca20 + 7Li3 + 24.637 MeV [3.860 MeV] (A_Ca:195)
43Ca20 + 3 D* --> 43Ca20 + 6Li3 + 25.320 MeV [4.543 MeV] (A_Ca:196)
43Ca20 + 3 D* --> 45Sc21 + 4He2 + 39.641 MeV [18.864 MeV] (A_Ca:197)
43Ca20 + 3 D* --> 47Ti22 + 2H1 + 32.795 MeV [12.017 MeV] (A_Ca:198)
43Ca20 + 3 D* --> 48Ti22 + 1H1 + 42.197 MeV [21.420 MeV] (A_Ca:199)

43Ca20 + 4 D* --> 26Mg12 + 25Mg12 + 43.542 MeV [14.962 MeV] (A_Ca:200)
43Ca20 + 4 D* --> 29Si14 + 22Ne10 + 44.054 MeV [15.475 MeV] (A_Ca:201)
43Ca20 + 4 D* --> 30Si14 + 21Ne10 + 44.299 MeV [15.720 MeV] (A_Ca:202)
43Ca20 + 4 D* --> 33S16 + 18O8 + 41.502 MeV [12.923 MeV] (A_Ca:203)
43Ca20 + 4 D* --> 34S16 + 17O8 + 44.875 MeV [16.296 MeV] (A_Ca:204)
43Ca20 + 4 D* --> 37Cl17 + 14N7 + 43.032 MeV [14.453 MeV] (A_Ca:205)
43Ca20 + 4 D* --> 38Ar18 + 13C6 + 45.724 MeV [17.145 MeV] (A_Ca:206)
43Ca20 + 4 D* --> 40K19 + 11B5 + 39.002 MeV [10.422 MeV] (A_Ca:207)
43Ca20 + 4 D* --> 41K19 + 10B5 + 37.643 MeV [9.063 MeV] (A_Ca:208)
43Ca20 + 4 D* --> 42Ca20 + 9Be4 + 41.334 MeV [12.754 MeV] (A_Ca:209)

43Ca20 + 4 D* --> 45Sc21 + 6Li3 + 41.115 MeV [12.536 MeV] (A_Ca:210)
43Ca20 + 4 D* --> 47Ti22 + 4He2 + 56.642 MeV [28.063 MeV] (A_Ca:211)
43Ca20 + 4 D* --> 48Ti22 + 3He2 + 47.691 MeV [19.112 MeV] (A_Ca:212)
43Ca20 + 4 D* --> 50V23 + 1H1 + 56.067 MeV [27.488 MeV] (A_Ca:213)

43Ca20 + 5 D* --> 27Al13 + 26Mg12 + 60.681 MeV [23.879 MeV] (A_Ca:214)
43Ca20 + 5 D* --> 30Si14 + 23Na11 + 61.233 MeV [24.430 MeV] (A_Ca:215)
43Ca20 + 5 D* --> 31P15 + 22Ne10 + 59.736 MeV [22.933 MeV] (A_Ca:216)
43Ca20 + 5 D* --> 34S16 + 19F9 + 58.689 MeV [21.887 MeV] (A_Ca:217)
43Ca20 + 5 D* --> 35Cl17 + 18O8 + 57.065 MeV [20.263 MeV] (A_Ca:218)
43Ca20 + 5 D* --> 37Cl17 + 16O8 + 63.769 MeV [26.966 MeV] (A_Ca:219)
43Ca20 + 5 D* --> 38Ar18 + 15N7 + 61.883 MeV [25.081 MeV] (A_Ca:220)
43Ca20 + 5 D* --> 40K19 + 13C6 + 57.680 MeV [20.878 MeV] (A_Ca:221)
43Ca20 + 5 D* --> 41K19 + 12C6 + 62.829 MeV [26.027 MeV] (A_Ca:222)
43Ca20 + 5 D* --> 42Ca20 + 11B5 + 57.149 MeV [20.347 MeV] (A_Ca:223)
43Ca20 + 5 D* --> 43Ca20 + 10B5 + 53.628 MeV [16.826 MeV] (A_Ca:224)
43Ca20 + 5 D* --> 46Ti22 + 7Li3 + 56.485 MeV [19.683 MeV] (A_Ca:225)
43Ca20 + 5 D* --> 47Ti22 + 6Li3 + 58.116 MeV [21.313 MeV] (A_Ca:226)
43Ca20 + 5 D* --> 50V23 + 3He2 + 61.560 MeV [24.758 MeV] (A_Ca:227)
43Ca20 + 5 D* --> 52Cr24 + 1H1 + 75.398 MeV [38.596 MeV] (A_Ca:228)

43Ca20 + 6 D* --> 29Si14 + 26Mg12 + 78.515 MeV [33.077 MeV] (A_Ca:229)
43Ca20 + 6 D* --> 30Si14 + 25Mg12 + 78.031 MeV [32.593 MeV] (A_Ca:230)
43Ca20 + 6 D* --> 33S16 + 22Ne10 + 75.016 MeV [29.578 MeV] (A_Ca:231)
43Ca20 + 6 D* --> 34S16 + 21Ne10 + 76.069 MeV [30.631 MeV] (A_Ca:232)
43Ca20 + 6 D* --> 38Ar18 + 17O8 + 75.929 MeV [30.491 MeV] (A_Ca:233)
43Ca20 + 6 D* --> 40K19 + 15N7 + 73.839 MeV [28.401 MeV] (A_Ca:234)
43Ca20 + 6 D* --> 41K19 + 14N7 + 73.101 MeV [27.663 MeV] (A_Ca:235)
43Ca20 + 6 D* --> 42Ca20 + 13C6 + 75.828 MeV [30.389 MeV] (A_Ca:236)
43Ca20 + 6 D* --> 43Ca20 + 12C6 + 78.814 MeV [33.376 MeV] (A_Ca:237)
43Ca20 + 6 D* --> 45Sc21 + 10B5 + 69.423 MeV [23.984 MeV] (A_Ca:238)
43Ca20 + 6 D* --> 46Ti22 + 9Be4 + 73.181 MeV [27.743 MeV] (A_Ca:239)
43Ca20 + 6 D* --> 52Cr24 + 3He2 + 80.891 MeV [35.453 MeV] (A_Ca:240)

43Ca20 + 7 D* --> 30Si14 + 27Al13 + 95.171 MeV [40.692 MeV] (A_Ca:241)
43Ca20 + 7 D* --> 31P15 + 26Mg12 + 94.197 MeV [39.717 MeV] (A_Ca:242)
43Ca20 + 7 D* --> 34S16 + 23Na11 + 93.003 MeV [38.524 MeV] (A_Ca:243)
43Ca20 + 7 D* --> 35Cl17 + 22Ne10 + 90.580 MeV [36.100 MeV] (A_Ca:244)
43Ca20 + 7 D* --> 37Cl17 + 20Ne10 + 92.345 MeV [37.865 MeV] (A_Ca:245)
43Ca20 + 7 D* --> 38Ar18 + 19F9 + 89.743 MeV [35.264 MeV] (A_Ca:246)
43Ca20 + 7 D* --> 39K19 + 18O8 + 88.130 MeV [33.651 MeV] (A_Ca:247)
43Ca20 + 7 D* --> 40K19 + 17O8 + 87.885 MeV [33.406 MeV] (A_Ca:248)
43Ca20 + 7 D* --> 41K19 + 16O8 + 93.837 MeV [39.358 MeV] (A_Ca:249)
43Ca20 + 7 D* --> 42Ca20 + 15N7 + 91.987 MeV [37.508 MeV] (A_Ca:250)
43Ca20 + 7 D* --> 43Ca20 + 14N7 + 89.087 MeV [34.607 MeV] (A_Ca:251)
43Ca20 + 7 D* --> 45Sc21 + 12C6 + 94.609 MeV [40.130 MeV] (A_Ca:252)
43Ca20 + 7 D* --> 46Ti22 + 11B5 + 88.997 MeV [34.518 MeV] (A_Ca:253)
43Ca20 + 7 D* --> 47Ti22 + 10B5 + 86.423 MeV [31.944 MeV] (A_Ca:254)
43Ca20 + 7 D* --> 50Cr24 + 7Li3 + 88.893 MeV [34.413 MeV] (A_Ca:255)
43Ca20 + 7 D* --> 56Fe26 + 1H1 + 106.858 MeV [52.378 MeV] (A_Ca:256)

43Ca20 + 8 D* --> 30Si14 + 29Si14 + 113.005 MeV [49.087 MeV] (A_Ca:257)
43Ca20 + 8 D* --> 33S16 + 26Mg12 + 109.478 MeV [45.560 MeV] (A_Ca:258)
43Ca20 + 8 D* --> 34S16 + 25Mg12 + 109.802 MeV [45.884 MeV] (A_Ca:259)

43Ca20 + 8 D* --> 38Ar18 + 21Ne10 + 107.123 MeV [43.206 MeV] (A_Ca:260)
43Ca20 + 8 D* --> 40K19 + 19F9 + 101.700 MeV [37.782 MeV] (A_Ca:261)
43Ca20 + 8 D* --> 42Ca20 + 17O8 + 106.033 MeV [42.115 MeV] (A_Ca:262)
43Ca20 + 8 D* --> 43Ca20 + 16O8 + 109.823 MeV [45.905 MeV] (A_Ca:263)
43Ca20 + 8 D* --> 45Sc21 + 14N7 + 104.882 MeV [40.964 MeV] (A_Ca:264)
43Ca20 + 8 D* --> 46Ti22 + 13C6 + 107.676 MeV [43.758 MeV] (A_Ca:265)
43Ca20 + 8 D* --> 47Ti22 + 12C6 + 111.610 MeV [47.692 MeV] (A_Ca:266)
43Ca20 + 8 D* --> 50Cr24 + 9Be4 + 105.589 MeV [41.671 MeV] (A_Ca:267)
43Ca20 + 8 D* --> 56Fe26 + 3He2 + 112.351 MeV [48.433 MeV] (A_Ca:268)

43Ca20 + 9 D* --> 31P15 + 30Si14 + 128.687 MeV [54.940 MeV] (A_Ca:269)
43Ca20 + 9 D* --> 34S16 + 27Al13 + 126.941 MeV [53.195 MeV] (A_Ca:270)
43Ca20 + 9 D* --> 35Cl17 + 26Mg12 + 125.041 MeV [51.294 MeV] (A_Ca:271)
43Ca20 + 9 D* --> 37Cl17 + 24Mg12 + 125.508 MeV [51.761 MeV] (A_Ca:272)
43Ca20 + 9 D* --> 38Ar18 + 23Na11 + 124.057 MeV [50.310 MeV] (A_Ca:273)
43Ca20 + 9 D* --> 39K19 + 22Ne10 + 121.645 MeV [47.898 MeV] (A_Ca:274)
43Ca20 + 9 D* --> 40K19 + 21Ne10 + 119.080 MeV [45.333 MeV] (A_Ca:275)
43Ca20 + 9 D* --> 41K19 + 20Ne10 + 122.414 MeV [48.667 MeV] (A_Ca:276)
43Ca20 + 9 D* --> 42Ca20 + 19F9 + 119.847 MeV [46.101 MeV] (A_Ca:277)
43Ca20 + 9 D* --> 45Sc21 + 16O8 + 125.618 MeV [51.871 MeV] (A_Ca:278)
43Ca20 + 9 D* --> 46Ti22 + 15N7 + 123.835 MeV [50.088 MeV] (A_Ca:279)
43Ca20 + 9 D* --> 47Ti22 + 14N7 + 121.882 MeV [48.135 MeV] (A_Ca:280)
43Ca20 + 9 D* --> 50Cr24 + 11B5 + 121.404 MeV [47.658 MeV] (A_Ca:281)
43Ca20 + 9 D* --> 54Fe26 + 7Li3 + 121.157 MeV [47.410 MeV] (A_Ca:282)
43Ca20 + 9 D* --> 60Ni28 + 1H1 + 136.996 MeV [63.249 MeV] (A_Ca:283)

43Ca20 + 10 D* --> 33S16 + 30Si14 + 143.968 MeV [60.008 MeV] (A_Ca:284)
43Ca20 + 10 D* --> 34S16 + 29Si14 + 144.775 MeV [60.816 MeV] (A_Ca:285)
43Ca20 + 10 D* --> 38Ar18 + 25Mg12 + 140.856 MeV [56.896 MeV] (A_Ca:286)
43Ca20 + 10 D* --> 40K19 + 23Na11 + 136.014 MeV [52.054 MeV] (A_Ca:287)
43Ca20 + 10 D* --> 42Ca20 + 21Ne10 + 137.227 MeV [53.268 MeV] (A_Ca:288)
43Ca20 + 10 D* --> 43Ca20 + 20Ne10 + 138.399 MeV [54.440 MeV] (A_Ca:289)
43Ca20 + 10 D* --> 46Ti22 + 17O8 + 137.881 MeV [53.921 MeV] (A_Ca:290)
43Ca20 + 10 D* --> 47Ti22 + 16O8 + 142.618 MeV [58.658 MeV] (A_Ca:291)
43Ca20 + 10 D* --> 50Cr24 + 13C6 + 140.083 MeV [56.123 MeV] (A_Ca:292)
43Ca20 + 10 D* --> 54Fe26 + 9Be4 + 137.853 MeV [53.894 MeV] (A_Ca:293)
43Ca20 + 10 D* --> 60Ni28 + 3He2 + 142.489 MeV [58.530 MeV] (A_Ca:294)

43Ca20 + 11 D* --> 34S16 + 31P15 + 160.457 MeV [65.907 MeV] (A_Ca:295)
43Ca20 + 11 D* --> 35Cl17 + 30Si14 + 159.531 MeV [64.981 MeV] (A_Ca:296)
43Ca20 + 11 D* --> 37Cl17 + 28Si14 + 159.339 MeV [64.789 MeV] (A_Ca:297)
43Ca20 + 11 D* --> 38Ar18 + 27Al13 + 157.996 MeV [63.445 MeV] (A_Ca:298)
43Ca20 + 11 D* --> 39K19 + 26Mg12 + 156.106 MeV [61.556 MeV] (A_Ca:299)
43Ca20 + 11 D* --> 40K19 + 25Mg12 + 152.812 MeV [58.262 MeV] (A_Ca:300)
43Ca20 + 11 D* --> 41K19 + 24Mg12 + 155.577 MeV [61.027 MeV] (A_Ca:301)
43Ca20 + 11 D* --> 42Ca20 + 23Na11 + 154.161 MeV [59.611 MeV] (A_Ca:302)
43Ca20 + 11 D* --> 45Sc21 + 20Ne10 + 154.194 MeV [59.644 MeV] (A_Ca:303)
43Ca20 + 11 D* --> 46Ti22 + 19F9 + 151.695 MeV [57.145 MeV] (A_Ca:304)
43Ca20 + 11 D* --> 50Cr24 + 15N7 + 156.242 MeV [61.692 MeV] (A_Ca:305)
43Ca20 + 11 D* --> 54Fe26 + 11B5 + 153.669 MeV [59.119 MeV] (A_Ca:306)
43Ca20 + 11 D* --> 58Ni28 + 7Li3 + 151.404 MeV [56.854 MeV] (A_Ca:307)
43Ca20 + 11 D* --> 64Zn30 + 1H1 + 164.799 MeV [70.249 MeV] (A_Ca:308)

43Ca20 + 12 D* --> 34S16 + 33S16 + 175.738 MeV [70.225 MeV] (A_Ca:309)

43Ca20 + 12 D* --> 38Ar18 + 29Si14 + 175.830 MeV [70.317 MeV] (A_Ca:310)
43Ca20 + 12 D* --> 40K19 + 27Al13 + 169.952 MeV [64.439 MeV] (A_Ca:311)
43Ca20 + 12 D* --> 42Ca20 + 25Mg12 + 170.960 MeV [65.447 MeV] (A_Ca:312)
43Ca20 + 12 D* --> 43Ca20 + 24Mg12 + 171.562 MeV [66.050 MeV] (A_Ca:313)
43Ca20 + 12 D* --> 46Ti22 + 21Ne10 + 169.075 MeV [63.563 MeV] (A_Ca:314)
43Ca20 + 12 D* --> 47Ti22 + 20Ne10 + 171.194 MeV [65.682 MeV] (A_Ca:315)
43Ca20 + 12 D* --> 50Cr24 + 17O8 + 170.288 MeV [64.776 MeV] (A_Ca:316)
43Ca20 + 12 D* --> 54Fe26 + 13C6 + 172.347 MeV [66.835 MeV] (A_Ca:317)
43Ca20 + 12 D* --> 58Ni28 + 9Be4 + 168.100 MeV [62.588 MeV] (A_Ca:318)
43Ca20 + 12 D* --> 64Zn30 + 3He2 + 170.292 MeV [64.780 MeV] (A_Ca:319)

44Ca20 + 2 D* --> 26Mg12 + 22Ne10 + 9.042 MeV [-4.271 MeV] (A_Ca:320)
44Ca20 + 2 D* --> 30Si14 + 18O8 + 10.017 MeV [-3.296 MeV] (A_Ca:321)
44Ca20 + 2 D* --> 36S16 + 12C6 + 15.467 MeV [2.154 MeV] (A_Ca:322)
44Ca20 + 2 D* --> 37Cl17 + 11B5 + 7.897 MeV [-5.417 MeV] (A_Ca:323)
44Ca20 + 2 D* --> 41K19 + 7Li3 + 5.454 MeV [-7.859 MeV] (A_Ca:324)
44Ca20 + 2 D* --> 44Ca20 + 4He2 + 23.847 MeV [10.533 MeV] (A_Ca:325)
44Ca20 + 2 D* --> 48Ti22 + 33.291 MeV [19.977 MeV] (A_Ca:326)

44Ca20 + 3 D* --> 36S16 + 14N7 + 25.739 MeV [5.101 MeV] (A_Ca:327)
44Ca20 + 3 D* --> 37Cl17 + 13C6 + 26.575 MeV [5.937 MeV] (A_Ca:328)
44Ca20 + 3 D* --> 40Ar18 + 10B5 + 20.928 MeV [00.290 MeV] (A_Ca:329)
44Ca20 + 3 D* --> 41K19 + 9Be4 + 22.150 MeV [1.512 MeV] (A_Ca:330)
44Ca20 + 3 D* --> 43Ca20 + 7Li3 + 21.439 MeV [00.801 MeV] (A_Ca:331)
44Ca20 + 3 D* --> 44Ca20 + 6Li3 + 25.320 MeV [4.682 MeV] (A_Ca:332)
44Ca20 + 3 D* --> 48Ti22 + 2H1 + 33.291 MeV [12.652 MeV] (A_Ca:333)
44Ca20 + 3 D* --> 49Ti22 + 1H1 + 39.209 MeV [18.570 MeV] (A_Ca:334)
44Ca20 + 3 D* --> 50V23 + 47.160 MeV [26.522 MeV] (A_Ca:335)

44Ca20 + 4 D* --> 26Mg12 + 26Mg12 + 43.504 MeV [15.109 MeV] (A_Ca:336)
44Ca20 + 4 D* --> 30Si14 + 22Ne10 + 43.532 MeV [15.137 MeV] (A_Ca:337)
44Ca20 + 4 D* --> 34S16 + 18O8 + 41.788 MeV [13.393 MeV] (A_Ca:338)
44Ca20 + 4 D* --> 36S16 + 16O8 + 46.475 MeV [18.081 MeV] (A_Ca:339)
44Ca20 + 4 D* --> 37Cl17 + 15N7 + 42.735 MeV [14.340 MeV] (A_Ca:340)
44Ca20 + 4 D* --> 40Ar18 + 12C6 + 46.114 MeV [17.719 MeV] (A_Ca:341)
44Ca20 + 4 D* --> 41K19 + 11B5 + 37.966 MeV [9.571 MeV] (A_Ca:342)
44Ca20 + 4 D* --> 43Ca20 + 9Be4 + 38.135 MeV [9.741 MeV] (A_Ca:343)
44Ca20 + 4 D* --> 45Sc21 + 7Li3 + 37.234 MeV [8.839 MeV] (A_Ca:344)
44Ca20 + 4 D* --> 48Ti22 + 4He2 + 57.137 MeV [28.742 MeV] (A_Ca:345)
44Ca20 + 4 D* --> 49Ti22 + 3He2 + 44.702 MeV [16.307 MeV] (A_Ca:346)
44Ca20 + 4 D* --> 50V23 + 2H1 + 47.160 MeV [18.765 MeV] (A_Ca:347)
44Ca20 + 4 D* --> 51V23 + 1H1 + 55.987 MeV [27.592 MeV] (A_Ca:348)
44Ca20 + 4 D* --> 52Cr24 + 66.491 MeV [38.097 MeV] (A_Ca:349)

44Ca20 + 5 D* --> 37Cl17 + 17O8 + 56.780 MeV [20.207 MeV] (A_Ca:350)
44Ca20 + 5 D* --> 40Ar18 + 14N7 + 56.387 MeV [19.813 MeV] (A_Ca:351)
44Ca20 + 5 D* --> 41K19 + 13C6 + 56.644 MeV [20.070 MeV] (A_Ca:352)
44Ca20 + 5 D* --> 43Ca20 + 11B5 + 53.951 MeV [17.377 MeV] (A_Ca:353)
44Ca20 + 5 D* --> 44Ca20 + 10B5 + 53.628 MeV [17.054 MeV] (A_Ca:354)
44Ca20 + 5 D* --> 45Sc21 + 9Be4 + 53.930 MeV [17.357 MeV] (A_Ca:355)
44Ca20 + 5 D* --> 47Ti22 + 7Li3 + 54.234 MeV [17.661 MeV] (A_Ca:356)
44Ca20 + 5 D* --> 48Ti22 + 6Li3 + 58.611 MeV [22.037 MeV] (A_Ca:357)
44Ca20 + 5 D* --> 50V23 + 4He2 + 71.007 MeV [34.433 MeV] (A_Ca:358)

44Ca20 + 5 D* --> 51V23 + 3He2 + 61.480 MeV [24.907 MeV] (A_Ca:359)
44Ca20 + 5 D* --> 52Cr24 + 2H1 + 66.491 MeV [29.918 MeV] (A_Ca:360)
44Ca20 + 5 D* --> 53Cr24 + 1H1 + 72.206 MeV [35.632 MeV] (A_Ca:361)

44Ca20 + 6 D* --> 30Si14 + 26Mg12 + 77.993 MeV [32.827 MeV] (A_Ca:362)
44Ca20 + 6 D* --> 34S16 + 22Ne10 + 75.302 MeV [30.136 MeV] (A_Ca:363)
44Ca20 + 6 D* --> 36S16 + 20Ne10 + 75.052 MeV [29.886 MeV] (A_Ca:364)
44Ca20 + 6 D* --> 37Cl17 + 19F9 + 70.595 MeV [25.428 MeV] (A_Ca:365)
44Ca20 + 6 D* --> 38Ar18 + 18O8 + 72.842 MeV [27.676 MeV] (A_Ca:366)
44Ca20 + 6 D* --> 40Ar18 + 16O8 + 77.123 MeV [31.956 MeV] (A_Ca:367)
44Ca20 + 6 D* --> 41K19 + 15N7 + 72.803 MeV [27.637 MeV] (A_Ca:368)
44Ca20 + 6 D* --> 43Ca20 + 13C6 + 72.629 MeV [27.463 MeV] (A_Ca:369)
44Ca20 + 6 D* --> 44Ca20 + 12C6 + 78.814 MeV [33.648 MeV] (A_Ca:370)
44Ca20 + 6 D* --> 45Sc21 + 11B5 + 69.746 MeV [24.579 MeV] (A_Ca:371)
44Ca20 + 6 D* --> 47Ti22 + 9Be4 + 70.931 MeV [25.764 MeV] (A_Ca:372)
44Ca20 + 6 D* --> 50V23 + 6Li3 + 72.481 MeV [27.314 MeV] (A_Ca:373)
44Ca20 + 6 D* --> 52Cr24 + 4He2 + 90.338 MeV [45.172 MeV] (A_Ca:374)
44Ca20 + 6 D* --> 53Cr24 + 3He2 + 77.699 MeV [32.533 MeV] (A_Ca:375)
44Ca20 + 6 D* --> 55Mn25 + 1H1 + 87.767 MeV [42.601 MeV] (A_Ca:376)
44Ca20 + 6 D* --> 56Fe26 + 97.951 MeV [52.785 MeV] (A_Ca:377)

44Ca20 + 7 D* --> 37Cl17 + 21Ne10 + 87.975 MeV [33.810 MeV] (A_Ca:378)
44Ca20 + 7 D* --> 40K19 + 18O8 + 84.798 MeV [30.634 MeV] (A_Ca:379)
44Ca20 + 7 D* --> 41K19 + 17O8 + 86.849 MeV [32.685 MeV] (A_Ca:380)
44Ca20 + 7 D* --> 43Ca20 + 15N7 + 88.789 MeV [34.624 MeV] (A_Ca:381)
44Ca20 + 7 D* --> 44Ca20 + 14N7 + 89.087 MeV [34.922 MeV] (A_Ca:382)
44Ca20 + 7 D* --> 45Sc21 + 13C6 + 88.424 MeV [34.260 MeV] (A_Ca:383)
44Ca20 + 7 D* --> 47Ti22 + 11B5 + 86.746 MeV [32.582 MeV] (A_Ca:384)
44Ca20 + 7 D* --> 48Ti22 + 10B5 + 86.919 MeV [32.754 MeV] (A_Ca:385)
44Ca20 + 7 D* --> 52Cr24 + 6Li3 + 91.812 MeV [37.647 MeV] (A_Ca:386)
44Ca20 + 7 D* --> 55Mn25 + 3He2 + 93.261 MeV [39.096 MeV] (A_Ca:387)
44Ca20 + 7 D* --> 56Fe26 + 2H1 + 97.951 MeV [43.787 MeV] (A_Ca:388)
44Ca20 + 7 D* --> 57Fe26 + 1H1 + 103.373 MeV [49.208 MeV] (A_Ca:389)

44Ca20 + 8 D* --> 30Si14 + 30Si14 + 112.483 MeV [48.922 MeV] (A_Ca:390)
44Ca20 + 8 D* --> 34S16 + 26Mg12 + 109.764 MeV [46.203 MeV] (A_Ca:391)
44Ca20 + 8 D* --> 36S16 + 24Mg12 + 108.215 MeV [44.654 MeV] (A_Ca:392)
44Ca20 + 8 D* --> 37Cl17 + 23Na11 + 104.909 MeV [41.348 MeV] (A_Ca:393)
44Ca20 + 8 D* --> 38Ar18 + 22Ne10 + 106.357 MeV [42.796 MeV] (A_Ca:394)
44Ca20 + 8 D* --> 40Ar18 + 20Ne10 + 105.699 MeV [42.138 MeV] (A_Ca:395)
44Ca20 + 8 D* --> 41K19 + 19F9 + 100.664 MeV [37.103 MeV] (A_Ca:396)
44Ca20 + 8 D* --> 42Ca20 + 18O8 + 102.946 MeV [39.385 MeV] (A_Ca:397)
44Ca20 + 8 D* --> 43Ca20 + 17O8 + 102.835 MeV [39.274 MeV] (A_Ca:398)
44Ca20 + 8 D* --> 44Ca20 + 16O8 + 109.823 MeV [46.262 MeV] (A_Ca:399)
44Ca20 + 8 D* --> 45Sc21 + 15N7 + 104.584 MeV [41.023 MeV] (A_Ca:400)
44Ca20 + 8 D* --> 47Ti22 + 13C6 + 105.425 MeV [41.864 MeV] (A_Ca:401)
44Ca20 + 8 D* --> 48Ti22 + 12C6 + 112.105 MeV [48.544 MeV] (A_Ca:402)
44Ca20 + 8 D* --> 50V23 + 10B5 + 100.788 MeV [37.227 MeV] (A_Ca:403)
44Ca20 + 8 D* --> 56Fe26 + 4He2 + 121.798 MeV [58.237 MeV] (A_Ca:404)
44Ca20 + 8 D* --> 57Fe26 + 3He2 + 108.866 MeV [45.305 MeV] (A_Ca:405)
44Ca20 + 8 D* --> 59Co27 + 1H1 + 118.557 MeV [54.996 MeV] (A_Ca:406)
44Ca20 + 8 D* --> 60Ni28 + 128.089 MeV [64.529 MeV] (A_Ca:407)

44Ca20 + 9 D* --> 37Cl17 + 25Mg12 + 121.707 MeV [48.359 MeV] (A_Ca:408)

44Ca20 + 9 D* --> 40K19 + 22Ne10 + 118.313 MeV [44.965 MeV] (A_Ca:409)
44Ca20 + 9 D* --> 41K19 + 21Ne10 + 118.044 MeV [44.696 MeV] (A_Ca:410)
44Ca20 + 9 D* --> 43Ca20 + 19F9 + 116.649 MeV [43.301 MeV] (A_Ca:411)
44Ca20 + 9 D* --> 45Sc21 + 17O8 + 118.630 MeV [45.281 MeV] (A_Ca:412)
44Ca20 + 9 D* --> 47Ti22 + 15N7 + 121.584 MeV [48.236 MeV] (A_Ca:413)
44Ca20 + 9 D* --> 48Ti22 + 14N7 + 122.377 MeV [49.029 MeV] (A_Ca:414)
44Ca20 + 9 D* --> 50V23 + 12C6 + 125.975 MeV [52.626 MeV] (A_Ca:415)
44Ca20 + 9 D* --> 52Cr24 + 10B5 + 120.119 MeV [46.771 MeV] (A_Ca:416)
44Ca20 + 9 D* --> 56Fe26 + 6Li3 + 123.272 MeV [49.923 MeV] (A_Ca:417)
44Ca20 + 9 D* --> 59Co27 + 3He2 + 124.050 MeV [50.702 MeV] (A_Ca:418)
44Ca20 + 9 D* --> 60Ni28 + 2H1 + 128.089 MeV [54.741 MeV] (A_Ca:419)
44Ca20 + 9 D* --> 61Ni28 + 1H1 + 133.685 MeV [60.337 MeV] (A_Ca:420)

44Ca20 + 10 D* --> 34S16 + 30Si14 + 144.253 MeV [60.733 MeV] (A_Ca:421)
44Ca20 + 10 D* --> 36S16 + 28Si14 + 142.046 MeV [58.526 MeV] (A_Ca:422)
44Ca20 + 10 D* --> 37Cl17 + 27Al13 + 138.847 MeV [55.327 MeV] (A_Ca:423)
44Ca20 + 10 D* --> 38Ar18 + 26Mg12 + 140.818 MeV [57.298 MeV] (A_Ca:424)
44Ca20 + 10 D* --> 40Ar18 + 24Mg12 + 138.862 MeV [55.342 MeV] (A_Ca:425)
44Ca20 + 10 D* --> 41K19 + 23Na11 + 134.978 MeV [51.458 MeV] (A_Ca:426)
44Ca20 + 10 D* --> 42Ca20 + 22Ne10 + 136.461 MeV [52.941 MeV] (A_Ca:427)
44Ca20 + 10 D* --> 43Ca20 + 21Ne10 + 134.029 MeV [50.509 MeV] (A_Ca:428)
44Ca20 + 10 D* --> 44Ca20 + 20Ne10 + 138.399 MeV [54.879 MeV] (A_Ca:429)
44Ca20 + 10 D* --> 45Sc21 + 19F9 + 132.444 MeV [48.924 MeV] (A_Ca:430)
44Ca20 + 10 D* --> 46Ti22 + 18O8 + 134.794 MeV [51.274 MeV] (A_Ca:431)
44Ca20 + 10 D* --> 47Ti22 + 17O8 + 135.630 MeV [52.110 MeV] (A_Ca:432)
44Ca20 + 10 D* --> 48Ti22 + 16O8 + 143.113 MeV [59.593 MeV] (A_Ca:433)
44Ca20 + 10 D* --> 50V23 + 14N7 + 136.247 MeV [52.727 MeV] (A_Ca:434)
44Ca20 + 10 D* --> 52Cr24 + 12C6 + 145.306 MeV [61.786 MeV] (A_Ca:435)
44Ca20 + 10 D* --> 60Ni28 + 4He2 + 151.936 MeV [68.416 MeV] (A_Ca:436)
44Ca20 + 10 D* --> 61Ni28 + 3He2 + 139.178 MeV [55.658 MeV] (A_Ca:437)
44Ca20 + 10 D* --> 63Cu29 + 1H1 + 148.179 MeV [64.659 MeV] (A_Ca:438)
44Ca20 + 10 D* --> 64Zn30 + 155.892 MeV [72.372 MeV] (A_Ca:439)

44Ca20 + 11 D* --> 37Cl17 + 29Si14 + 156.681 MeV [62.611 MeV] (A_Ca:440)
44Ca20 + 11 D* --> 40K19 + 26Mg12 + 152.774 MeV [58.704 MeV] (A_Ca:441)
44Ca20 + 11 D* --> 41K19 + 25Mg12 + 151.776 MeV [57.706 MeV] (A_Ca:442)
44Ca20 + 11 D* --> 43Ca20 + 23Na11 + 150.963 MeV [56.893 MeV] (A_Ca:443)
44Ca20 + 11 D* --> 45Sc21 + 21Ne10 + 149.824 MeV [55.754 MeV] (A_Ca:444)
44Ca20 + 11 D* --> 47Ti22 + 19F9 + 149.444 MeV [55.374 MeV] (A_Ca:445)
44Ca20 + 11 D* --> 50V23 + 16O8 + 156.983 MeV [62.913 MeV] (A_Ca:446)
44Ca20 + 11 D* --> 52Cr24 + 14N7 + 155.578 MeV [61.508 MeV] (A_Ca:447)
44Ca20 + 11 D* --> 56Fe26 + 10B5 + 151.579 MeV [57.509 MeV] (A_Ca:448)
44Ca20 + 11 D* --> 60Ni28 + 6Li3 + 153.410 MeV [59.340 MeV] (A_Ca:449)
44Ca20 + 11 D* --> 63Cu29 + 3He2 + 153.673 MeV [59.603 MeV] (A_Ca:450)
44Ca20 + 11 D* --> 64Zn30 + 2H1 + 155.892 MeV [61.822 MeV] (A_Ca:451)

44Ca20 + 12 D* --> 34S16 + 34S16 + 176.024 MeV [71.031 MeV] (A_Ca:452)
44Ca20 + 12 D* --> 36S16 + 32S16 + 172.840 MeV [67.847 MeV] (A_Ca:453)
44Ca20 + 12 D* --> 37Cl17 + 31P15 + 172.363 MeV [67.370 MeV] (A_Ca:454)
44Ca20 + 12 D* --> 38Ar18 + 30Si14 + 175.308 MeV [70.315 MeV] (A_Ca:455)
44Ca20 + 12 D* --> 40Ar18 + 28Si14 + 172.693 MeV [67.700 MeV] (A_Ca:456)
44Ca20 + 12 D* --> 41K19 + 27Al13 + 168.916 MeV [63.923 MeV] (A_Ca:457)
44Ca20 + 12 D* --> 42Ca20 + 26Mg12 + 170.922 MeV [65.929 MeV] (A_Ca:458)
44Ca20 + 12 D* --> 43Ca20 + 25Mg12 + 167.762 MeV [62.769 MeV] (A_Ca:459)

44Ca20 + 12 D* --> 44Ca20 + 24Mg12 + 171.562 MeV [66.570 MeV] (A_Ca:460)
44Ca20 + 12 D* --> 45Sc21 + 23Na11 + 166.758 MeV [61.765 MeV] (A_Ca:461)
44Ca20 + 12 D* --> 46Ti22 + 22Ne10 + 168.308 MeV [63.316 MeV] (A_Ca:462)
44Ca20 + 12 D* --> 47Ti22 + 21Ne10 + 166.824 MeV [61.832 MeV] (A_Ca:463)
44Ca20 + 12 D* --> 48Ti22 + 20Ne10 + 171.690 MeV [66.697 MeV] (A_Ca:464)
44Ca20 + 12 D* --> 50Cr24 + 18O8 + 167.201 MeV [62.209 MeV] (A_Ca:465)
44Ca20 + 12 D* --> 52Cr24 + 16O8 + 176.314 MeV [71.321 MeV] (A_Ca:466)
44Ca20 + 12 D* --> 56Fe26 + 12C6 + 176.766 MeV [71.773 MeV] (A_Ca:467)
44Ca20 + 12 D* --> 64Zn30 + 4He2 + 179.739 MeV [74.746 MeV] (A_Ca:468)

46Ca20 + 2 D* --> 46Ca20 + 4He2 + 23.847 MeV [10.713 MeV] (A_Ca:469)
46Ca20 + 2 D* --> 50Ti22 + 34.563 MeV [21.430 MeV] (A_Ca:470)

46Ca20 + 3 D* --> 46Ca20 + 6Li3 + 25.320 MeV [4.950 MeV] (A_Ca:471)
46Ca20 + 3 D* --> 50Ti22 + 2H1 + 34.563 MeV [14.193 MeV] (A_Ca:472)

46Ca20 + 4 D* --> 36S16 + 18O8 + 40.853 MeV [12.814 MeV] (A_Ca:473)
46Ca20 + 4 D* --> 50Ti22 + 4He2 + 58.410 MeV [30.370 MeV] (A_Ca:474)
46Ca20 + 4 D* --> 54Cr24 + 66.340 MeV [38.301 MeV] (A_Ca:475)

46Ca20 + 5 D* --> 46Ca20 + 10B5 + 53.628 MeV [17.495 MeV] (A_Ca:476)
46Ca20 + 5 D* --> 49Ti22 + 7Li3 + 56.194 MeV [20.061 MeV] (A_Ca:477)
46Ca20 + 5 D* --> 50Ti22 + 6Li3 + 59.883 MeV [23.750 MeV] (A_Ca:478)
46Ca20 + 5 D* --> 54Cr24 + 2H1 + 66.340 MeV [30.207 MeV] (A_Ca:479)

46Ca20 + 6 D* --> 36S16 + 22Ne10 + 74.368 MeV [29.727 MeV] (A_Ca:480)
46Ca20 + 6 D* --> 40Ar18 + 18O8 + 71.501 MeV [26.860 MeV] (A_Ca:481)
46Ca20 + 6 D* --> 46Ca20 + 12C6 + 78.814 MeV [34.173 MeV] (A_Ca:482)
46Ca20 + 6 D* --> 49Ti22 + 9Be4 + 72.890 MeV [28.249 MeV] (A_Ca:483)
46Ca20 + 6 D* --> 51V23 + 7Li3 + 72.972 MeV [28.331 MeV] (A_Ca:484)
46Ca20 + 6 D* --> 54Cr24 + 4He2 + 90.187 MeV [45.546 MeV] (A_Ca:485)
46Ca20 + 6 D* --> 58Fe26 + 97.833 MeV [53.192 MeV] (A_Ca:486)

46Ca20 + 7 D* --> 46Ca20 + 14N7 + 89.087 MeV [35.531 MeV] (A_Ca:487)
46Ca20 + 7 D* --> 49Ti22 + 11B5 + 88.706 MeV [35.150 MeV] (A_Ca:488)
46Ca20 + 7 D* --> 50Ti22 + 10B5 + 88.191 MeV [34.635 MeV] (A_Ca:489)
46Ca20 + 7 D* --> 51V23 + 9Be4 + 89.669 MeV [36.113 MeV] (A_Ca:490)
46Ca20 + 7 D* --> 53Cr24 + 7Li3 + 89.192 MeV [35.636 MeV] (A_Ca:491)
46Ca20 + 7 D* --> 54Cr24 + 6Li3 + 91.661 MeV [38.105 MeV] (A_Ca:492)
46Ca20 + 7 D* --> 58Fe26 + 2H1 + 97.833 MeV [44.277 MeV] (A_Ca:493)

46Ca20 + 8 D* --> 36S16 + 26Mg12 + 108.829 MeV [45.960 MeV] (A_Ca:494)
46Ca20 + 8 D* --> 40Ar18 + 22Ne10 + 105.015 MeV [42.145 MeV] (A_Ca:495)
46Ca20 + 8 D* --> 44Ca20 + 18O8 + 104.201 MeV [41.331 MeV] (A_Ca:496)
46Ca20 + 8 D* --> 46Ca20 + 16O8 + 109.823 MeV [46.953 MeV] (A_Ca:497)
46Ca20 + 8 D* --> 49Ti22 + 13C6 + 107.384 MeV [44.515 MeV] (A_Ca:498)
46Ca20 + 8 D* --> 50Ti22 + 12C6 + 113.377 MeV [50.508 MeV] (A_Ca:499)
46Ca20 + 8 D* --> 51V23 + 11B5 + 105.484 MeV [42.614 MeV] (A_Ca:500)
46Ca20 + 8 D* --> 53Cr24 + 9Be4 + 105.888 MeV [43.018 MeV] (A_Ca:501)
46Ca20 + 8 D* --> 55Mn25 + 7Li3 + 104.753 MeV [41.883 MeV] (A_Ca:502)
46Ca20 + 8 D* --> 58Fe26 + 4He2 + 121.679 MeV [58.809 MeV] (A_Ca:503)
46Ca20 + 8 D* --> 62Ni28 + 128.697 MeV [65.827 MeV] (A_Ca:504)

46Ca20 + 9 D* --> 49Ti22 + 15N7 + 123.544 MeV [50.968 MeV] (A_Ca:505)
46Ca20 + 9 D* --> 50Ti22 + 14N7 + 123.650 MeV [51.074 MeV] (A_Ca:506)
46Ca20 + 9 D* --> 51V23 + 13C6 + 124.163 MeV [51.587 MeV] (A_Ca:507)
46Ca20 + 9 D* --> 53Cr24 + 11B5 + 121.703 MeV [49.127 MeV] (A_Ca:508)
46Ca20 + 9 D* --> 54Cr24 + 10B5 + 119.968 MeV [47.392 MeV] (A_Ca:509)
46Ca20 + 9 D* --> 55Mn25 + 9Be4 + 121.449 MeV [48.873 MeV] (A_Ca:510)
46Ca20 + 9 D* --> 57Fe26 + 7Li3 + 120.358 MeV [47.782 MeV] (A_Ca:511)
46Ca20 + 9 D* --> 58Fe26 + 6Li3 + 123.153 MeV [50.577 MeV] (A_Ca:512)
46Ca20 + 9 D* --> 62Ni28 + 2H1 + 128.697 MeV [56.121 MeV] (A_Ca:513)

46Ca20 + 10 D* --> 36S16 + 30Si14 + 143.319 MeV [60.651 MeV] (A_Ca:514)
46Ca20 + 10 D* --> 40Ar18 + 26Mg12 + 139.477 MeV [56.809 MeV] (A_Ca:515)
46Ca20 + 10 D* --> 44Ca20 + 22Ne10 + 137.715 MeV [55.048 MeV] (A_Ca:516)
46Ca20 + 10 D* --> 46Ca20 + 20Ne10 + 138.399 MeV [55.731 MeV] (A_Ca:517)
46Ca20 + 10 D* --> 48Ti22 + 18O8 + 137.491 MeV [54.824 MeV] (A_Ca:518)
46Ca20 + 10 D* --> 49Ti22 + 17O8 + 137.590 MeV [54.922 MeV] (A_Ca:519)
46Ca20 + 10 D* --> 50Ti22 + 16O8 + 144.386 MeV [61.718 MeV] (A_Ca:520)
46Ca20 + 10 D* --> 51V23 + 15N7 + 140.322 MeV [57.654 MeV] (A_Ca:521)
46Ca20 + 10 D* --> 53Cr24 + 13C6 + 140.382 MeV [57.714 MeV] (A_Ca:522)
46Ca20 + 10 D* --> 54Cr24 + 12C6 + 145.155 MeV [62.487 MeV] (A_Ca:523)
46Ca20 + 10 D* --> 55Mn25 + 11B5 + 137.265 MeV [54.597 MeV] (A_Ca:524)
46Ca20 + 10 D* --> 57Fe26 + 9Be4 + 137.055 MeV [54.387 MeV] (A_Ca:525)
46Ca20 + 10 D* --> 59Co27 + 7Li3 + 135.542 MeV [52.875 MeV] (A_Ca:526)
46Ca20 + 10 D* --> 62Ni28 + 4He2 + 152.543 MeV [69.876 MeV] (A_Ca:527)
46Ca20 + 10 D* --> 65Cu29 + 1H1 + 148.197 MeV [65.529 MeV] (A_Ca:528)
46Ca20 + 10 D* --> 66Zn30 + 157.122 MeV [74.454 MeV] (A_Ca:529)

46Ca20 + 11 D* --> 49Ti22 + 19F9 + 151.404 MeV [58.265 MeV] (A_Ca:530)
46Ca20 + 11 D* --> 50V23 + 18O8 + 151.361 MeV [58.222 MeV] (A_Ca:531)
46Ca20 + 11 D* --> 51V23 + 17O8 + 154.368 MeV [61.229 MeV] (A_Ca:532)
46Ca20 + 11 D* --> 53Cr24 + 15N7 + 156.541 MeV [63.402 MeV] (A_Ca:533)
46Ca20 + 11 D* --> 54Cr24 + 14N7 + 155.427 MeV [62.288 MeV] (A_Ca:534)
46Ca20 + 11 D* --> 55Mn25 + 13C6 + 155.943 MeV [62.805 MeV] (A_Ca:535)
46Ca20 + 11 D* --> 57Fe26 + 11B5 + 152.870 MeV [59.731 MeV] (A_Ca:536)
46Ca20 + 11 D* --> 58Fe26 + 10B5 + 151.461 MeV [58.322 MeV] (A_Ca:537)
46Ca20 + 11 D* --> 59Co27 + 9Be4 + 152.239 MeV [59.100 MeV] (A_Ca:538)
46Ca20 + 11 D* --> 61Ni28 + 7Li3 + 150.671 MeV [57.532 MeV] (A_Ca:539)
46Ca20 + 11 D* --> 62Ni28 + 6Li3 + 154.017 MeV [60.878 MeV] (A_Ca:540)
46Ca20 + 11 D* --> 65Cu29 + 3He2 + 153.690 MeV [60.552 MeV] (A_Ca:541)
46Ca20 + 11 D* --> 66Zn30 + 2H1 + 157.122 MeV [63.983 MeV] (A_Ca:542)
46Ca20 + 11 D* --> 67Zn30 + 1H1 + 161.949 MeV [68.811 MeV] (A_Ca:543)

46Ca20 + 12 D* --> 36S16 + 34S16 + 175.089 MeV [71.106 MeV] (A_Ca:544)
46Ca20 + 12 D* --> 40Ar18 + 30Si14 + 173.966 MeV [69.983 MeV] (A_Ca:545)
46Ca20 + 12 D* --> 44Ca20 + 26Mg12 + 172.177 MeV [68.194 MeV] (A_Ca:546)
46Ca20 + 12 D* --> 46Ca20 + 24Mg12 + 171.562 MeV [67.579 MeV] (A_Ca:547)
46Ca20 + 12 D* --> 48Ti22 + 22Ne10 + 171.006 MeV [67.023 MeV] (A_Ca:548)
46Ca20 + 12 D* --> 49Ti22 + 21Ne10 + 168.784 MeV [64.801 MeV] (A_Ca:549)
46Ca20 + 12 D* --> 50Ti22 + 20Ne10 + 172.962 MeV [68.979 MeV] (A_Ca:550)
46Ca20 + 12 D* --> 51V23 + 19F9 + 168.182 MeV [64.199 MeV] (A_Ca:551)
46Ca20 + 12 D* --> 52Cr24 + 18O8 + 170.692 MeV [66.709 MeV] (A_Ca:552)
46Ca20 + 12 D* --> 53Cr24 + 17O8 + 170.587 MeV [66.604 MeV] (A_Ca:553)
46Ca20 + 12 D* --> 54Cr24 + 16O8 + 176.163 MeV [72.180 MeV] (A_Ca:554)
46Ca20 + 12 D* --> 55Mn25 + 15N7 + 172.103 MeV [68.120 MeV] (A_Ca:555)

46Ca20 + 12 D* --> 57Fe26 + 13C6 + 171.549 MeV [67.566 MeV] (A_Ca:556)
46Ca20 + 12 D* --> 58Fe26 + 12C6 + 176.647 MeV [72.664 MeV] (A_Ca:557)
46Ca20 + 12 D* --> 59Co27 + 11B5 + 168.054 MeV [64.071 MeV] (A_Ca:558)
46Ca20 + 12 D* --> 61Ni28 + 9Be4 + 167.367 MeV [63.384 MeV] (A_Ca:559)
46Ca20 + 12 D* --> 63Cu29 + 7Li3 + 165.165 MeV [61.182 MeV] (A_Ca:560)
46Ca20 + 12 D* --> 66Zn30 + 4He2 + 180.968 MeV [76.985 MeV] (A_Ca:561)
46Ca20 + 12 D* --> 67Zn30 + 3He2 + 167.443 MeV [63.460 MeV] (A_Ca:562)
46Ca20 + 12 D* --> 69Ga31 + 1H1 + 176.532 MeV [72.549 MeV] (A_Ca:563)
46Ca20 + 12 D* --> 70Ge32 + 185.057 MeV [81.074 MeV] (A_Ca:564)

48Ca20 + 2 D* --> 48Ca20 + 4He2 + 23.847 MeV [10.884 MeV] (A_Ca:565)

48Ca20 + 3 D* --> 48Ca20 + 6Li3 + 25.320 MeV [5.205 MeV] (A_Ca:566)

48Ca20 + 5 D* --> 48Ca20 + 10B5 + 53.628 MeV [17.915 MeV] (A_Ca:567)

48Ca20 + 6 D* --> 48Ca20 + 12C6 + 78.814 MeV [34.675 MeV] (A_Ca:568)

48Ca20 + 7 D* --> 48Ca20 + 14N7 + 89.087 MeV [36.113 MeV] (A_Ca:569)

48Ca20 + 8 D* --> 46Ca20 + 18O8 + 104.788 MeV [42.580 MeV] (A_Ca:570)
48Ca20 + 8 D* --> 48Ca20 + 16O8 + 109.823 MeV [47.615 MeV] (A_Ca:571)
48Ca20 + 8 D* --> 64Ni28 + 127.971 MeV [65.763 MeV] (A_Ca:572)

48Ca20 + 9 D* --> 64Ni28 + 2H1 + 127.971 MeV [56.136 MeV] (A_Ca:573)

48Ca20 + 10 D* --> 46Ca20 + 22Ne10 + 138.303 MeV [56.454 MeV] (A_Ca:574)
48Ca20 + 10 D* --> 48Ca20 + 20Ne10 + 138.399 MeV [56.550 MeV] (A_Ca:575)
48Ca20 + 10 D* --> 50Ti22 + 18O8 + 139.351 MeV [57.502 MeV] (A_Ca:576)
48Ca20 + 10 D* --> 64Ni28 + 4He2 + 151.817 MeV [69.968 MeV] (A_Ca:577)
48Ca20 + 10 D* --> 68Zn30 + 157.150 MeV [75.301 MeV] (A_Ca:578)

48Ca20 + 11 D* --> 64Ni28 + 6Li3 + 153.291 MeV [61.048 MeV] (A_Ca:579)
48Ca20 + 11 D* --> 68Zn30 + 2H1 + 157.150 MeV [64.907 MeV] (A_Ca:580)

48Ca20 + 12 D* --> 36S16 + 36S16 + 174.743 MeV [71.731 MeV] (A_Ca:581)
48Ca20 + 12 D* --> 46Ca20 + 26Mg12 + 172.764 MeV [69.753 MeV] (A_Ca:582)
48Ca20 + 12 D* --> 48Ca20 + 24Mg12 + 171.562 MeV [68.551 MeV] (A_Ca:583)
48Ca20 + 12 D* --> 50Ti22 + 22Ne10 + 172.866 MeV [69.855 MeV] (A_Ca:584)
48Ca20 + 12 D* --> 54Cr24 + 18O8 + 171.129 MeV [68.117 MeV] (A_Ca:585)
48Ca20 + 12 D* --> 65Cu29 + 7Li3 + 165.770 MeV [62.759 MeV] (A_Ca:586)
48Ca20 + 12 D* --> 68Zn30 + 4He2 + 180.997 MeV [77.986 MeV] (A_Ca:587)
48Ca20 + 12 D* --> 71Ga31 + 1H1 + 176.266 MeV [73.255 MeV] (A_Ca:588)
48Ca20 + 12 D* --> 72Ge32 + 186.000 MeV [82.989 MeV] (A_Ca:589)

---------- Equations follow for Scandium, Sc, element 21 ----------

45Sc21 + D* --> 43Ca20 + 4He2 + 8.052 MeV [1.348 MeV] (A_Sc:1)
45Sc21 + D* --> 47Ti22 + 17.000 MeV [10.297 MeV] (A_Sc:2)

45Sc21 + 2 D* --> 26Mg12 + 23Na11 + 10.948 MeV [-2.904 MeV] (A_Sc:3)
45Sc21 + 2 D* --> 27Al13 + 22Ne10 + 10.425 MeV [-3.427 MeV] (A_Sc:4)

45Sc21 + 2 D* --> 30Si14 + 19F9 + 11.124 MeV [-2.728 MeV] (A_Sc:5)
45Sc21 + 2 D* --> 31P15 + 18O8 + 10.426 MeV [-3.426 MeV] (A_Sc:6)
45Sc21 + 2 D* --> 34S16 + 15N7 + 15.034 MeV [1.182 MeV] (A_Sc:7)
45Sc21 + 2 D* --> 37Cl17 + 12C6 + 16.965 MeV [3.113 MeV] (A_Sc:8)
45Sc21 + 2 D* --> 38Ar18 + 11B5 + 11.250 MeV [-2.602 MeV] (A_Sc:9)
45Sc21 + 2 D* --> 40K19 + 9Be4 + 7.391 MeV [-6.461 MeV] (A_Sc:10)
45Sc21 + 2 D* --> 42Ca20 + 7Li3 + 8.843 MeV [-5.009 MeV] (A_Sc:11)
45Sc21 + 2 D* --> 43Ca20 + 6Li3 + 9.525 MeV [-4.326 MeV] (A_Sc:12)
45Sc21 + 2 D* --> 45Sc21 + 4He2 + 23.847 MeV [9.995 MeV] (A_Sc:13)
45Sc21 + 2 D* --> 47Ti22 + 2H1 + 17.000 MeV [3.149 MeV] (A_Sc:14)
45Sc21 + 2 D* --> 48Ti22 + 1H1 + 26.402 MeV [12.551 MeV] (A_Sc:15)

45Sc21 + 3 D* --> 26Mg12 + 25Mg12 + 27.747 MeV [6.312 MeV] (A_Sc:16)
45Sc21 + 3 D* --> 29Si14 + 22Ne10 + 28.259 MeV [6.825 MeV] (A_Sc:17)
45Sc21 + 3 D* --> 30Si14 + 21Ne10 + 28.504 MeV [7.070 MeV] (A_Sc:18)
45Sc21 + 3 D* --> 33S16 + 18O8 + 25.707 MeV [4.272 MeV] (A_Sc:19)
45Sc21 + 3 D* --> 34S16 + 17O8 + 29.080 MeV [7.646 MeV] (A_Sc:20)
45Sc21 + 3 D* --> 37Cl17 + 14N7 + 27.237 MeV [5.803 MeV] (A_Sc:21)
45Sc21 + 3 D* --> 38Ar18 + 13C6 + 29.929 MeV [8.495 MeV] (A_Sc:22)
45Sc21 + 3 D* --> 40K19 + 11B5 + 23.207 MeV [1.772 MeV] (A_Sc:23)
45Sc21 + 3 D* --> 41K19 + 10B5 + 21.848 MeV [00.413 MeV] (A_Sc:24)
45Sc21 + 3 D* --> 42Ca20 + 9Be4 + 25.539 MeV [4.104 MeV] (A_Sc:25)
45Sc21 + 3 D* --> 45Sc21 + 6Li3 + 25.320 MeV [3.886 MeV] (A_Sc:26)
45Sc21 + 3 D* --> 47Ti22 + 4He2 + 40.847 MeV [19.412 MeV] (A_Sc:27)
45Sc21 + 3 D* --> 48Ti22 + 3He2 + 31.896 MeV [10.461 MeV] (A_Sc:28)
45Sc21 + 3 D* --> 50V23 + 1H1 + 40.272 MeV [18.838 MeV] (A_Sc:29)

45Sc21 + 4 D* --> 27Al13 + 26Mg12 + 44.886 MeV [15.444 MeV] (A_Sc:30)
45Sc21 + 4 D* --> 30Si14 + 23Na11 + 45.438 MeV [15.996 MeV] (A_Sc:31)
45Sc21 + 4 D* --> 31P15 + 22Ne10 + 43.941 MeV [14.499 MeV] (A_Sc:32)
45Sc21 + 4 D* --> 34S16 + 19F9 + 42.894 MeV [13.452 MeV] (A_Sc:33)
45Sc21 + 4 D* --> 35Cl17 + 18O8 + 41.270 MeV [11.828 MeV] (A_Sc:34)
45Sc21 + 4 D* --> 37Cl17 + 16O8 + 47.974 MeV [18.532 MeV] (A_Sc:35)
45Sc21 + 4 D* --> 38Ar18 + 15N7 + 46.088 MeV [16.646 MeV] (A_Sc:36)
45Sc21 + 4 D* --> 40K19 + 13C6 + 41.885 MeV [12.443 MeV] (A_Sc:37)
45Sc21 + 4 D* --> 41K19 + 12C6 + 47.034 MeV [17.592 MeV] (A_Sc:38)
45Sc21 + 4 D* --> 42Ca20 + 11B5 + 41.354 MeV [11.912 MeV] (A_Sc:39)
45Sc21 + 4 D* --> 43Ca20 + 10B5 + 37.833 MeV [8.391 MeV] (A_Sc:40)
45Sc21 + 4 D* --> 46Ti22 + 7Li3 + 40.690 MeV [11.249 MeV] (A_Sc:41)
45Sc21 + 4 D* --> 47Ti22 + 6Li3 + 42.321 MeV [12.879 MeV] (A_Sc:42)
45Sc21 + 4 D* --> 50V23 + 3He2 + 45.765 MeV [16.324 MeV] (A_Sc:43)
45Sc21 + 4 D* --> 52Cr24 + 1H1 + 59.603 MeV [30.161 MeV] (A_Sc:44)

45Sc21 + 5 D* --> 29Si14 + 26Mg12 + 62.720 MeV [24.855 MeV] (A_Sc:45)
45Sc21 + 5 D* --> 30Si14 + 25Mg12 + 62.237 MeV [24.371 MeV] (A_Sc:46)
45Sc21 + 5 D* --> 33S16 + 22Ne10 + 59.222 MeV [21.356 MeV] (A_Sc:47)
45Sc21 + 5 D* --> 34S16 + 21Ne10 + 60.274 MeV [22.409 MeV] (A_Sc:48)
45Sc21 + 5 D* --> 38Ar18 + 17O8 + 60.134 MeV [22.269 MeV] (A_Sc:49)
45Sc21 + 5 D* --> 40K19 + 15N7 + 58.045 MeV [20.179 MeV] (A_Sc:50)
45Sc21 + 5 D* --> 41K19 + 14N7 + 57.306 MeV [19.441 MeV] (A_Sc:51)
45Sc21 + 5 D* --> 42Ca20 + 13C6 + 60.033 MeV [22.168 MeV] (A_Sc:52)
45Sc21 + 5 D* --> 43Ca20 + 12C6 + 63.019 MeV [25.154 MeV] (A_Sc:53)
45Sc21 + 5 D* --> 45Sc21 + 10B5 + 53.628 MeV [15.763 MeV] (A_Sc:54)
45Sc21 + 5 D* --> 46Ti22 + 9Be4 + 57.387 MeV [19.521 MeV] (A_Sc:55)

45Sc21 + 5 D* --> 52Cr24 + 3He2 + 65.097 MeV [27.231 MeV] (A_Sc:56)

45Sc21 + 6 D* --> 30Si14 + 27Al13 + 79.376 MeV [32.680 MeV] (A_Sc:57)
45Sc21 + 6 D* --> 31P15 + 26Mg12 + 78.402 MeV [31.705 MeV] (A_Sc:58)
45Sc21 + 6 D* --> 34S16 + 23Na11 + 77.208 MeV [30.512 MeV] (A_Sc:59)
45Sc21 + 6 D* --> 35Cl17 + 22Ne10 + 74.785 MeV [28.088 MeV] (A_Sc:60)
45Sc21 + 6 D* --> 37Cl17 + 20Ne10 + 76.550 MeV [29.853 MeV] (A_Sc:61)
45Sc21 + 6 D* --> 38Ar18 + 19F9 + 73.948 MeV [27.252 MeV] (A_Sc:62)
45Sc21 + 6 D* --> 39K19 + 18O8 + 72.335 MeV [25.638 MeV] (A_Sc:63)
45Sc21 + 6 D* --> 40K19 + 17O8 + 72.091 MeV [25.394 MeV] (A_Sc:64)
45Sc21 + 6 D* --> 41K19 + 16O8 + 78.043 MeV [31.346 MeV] (A_Sc:65)
45Sc21 + 6 D* --> 42Ca20 + 15N7 + 76.192 MeV [29.496 MeV] (A_Sc:66)
45Sc21 + 6 D* --> 43Ca20 + 14N7 + 73.292 MeV [26.595 MeV] (A_Sc:67)
45Sc21 + 6 D* --> 45Sc21 + 12C6 + 78.814 MeV [32.118 MeV] (A_Sc:68)
45Sc21 + 6 D* --> 46Ti22 + 11B5 + 73.202 MeV [26.505 MeV] (A_Sc:69)
45Sc21 + 6 D* --> 47Ti22 + 10B5 + 70.628 MeV [23.932 MeV] (A_Sc:70)
45Sc21 + 6 D* --> 50Cr24 + 7Li3 + 73.098 MeV [26.401 MeV] (A_Sc:71)
45Sc21 + 6 D* --> 56Fe26 + 1H1 + 91.063 MeV [44.366 MeV] (A_Sc:72)

45Sc21 + 7 D* --> 30Si14 + 29Si14 + 97.210 MeV [41.282 MeV] (A_Sc:73)
45Sc21 + 7 D* --> 33S16 + 26Mg12 + 93.683 MeV [37.755 MeV] (A_Sc:74)
45Sc21 + 7 D* --> 34S16 + 25Mg12 + 94.007 MeV [38.079 MeV] (A_Sc:75)
45Sc21 + 7 D* --> 38Ar18 + 21Ne10 + 91.329 MeV [35.400 MeV] (A_Sc:76)
45Sc21 + 7 D* --> 40K19 + 19F9 + 85.905 MeV [29.977 MeV] (A_Sc:77)
45Sc21 + 7 D* --> 42Ca20 + 17O8 + 90.238 MeV [34.310 MeV] (A_Sc:78)
45Sc21 + 7 D* --> 43Ca20 + 16O8 + 94.028 MeV [38.100 MeV] (A_Sc:79)
45Sc21 + 7 D* --> 45Sc21 + 14N7 + 89.087 MeV [33.159 MeV] (A_Sc:80)
45Sc21 + 7 D* --> 46Ti22 + 13C6 + 91.881 MeV [35.953 MeV] (A_Sc:81)
45Sc21 + 7 D* --> 47Ti22 + 12C6 + 95.815 MeV [39.887 MeV] (A_Sc:82)
45Sc21 + 7 D* --> 50Cr24 + 9Be4 + 89.794 MeV [33.866 MeV] (A_Sc:83)
45Sc21 + 7 D* --> 56Fe26 + 3He2 + 96.556 MeV [40.628 MeV] (A_Sc:84)

45Sc21 + 8 D* --> 31P15 + 30Si14 + 112.892 MeV [47.339 MeV] (A_Sc:85)
45Sc21 + 8 D* --> 34S16 + 27Al13 + 111.146 MeV [45.594 MeV] (A_Sc:86)
45Sc21 + 8 D* --> 35Cl17 + 26Mg12 + 109.246 MeV [43.693 MeV] (A_Sc:87)
45Sc21 + 8 D* --> 37Cl17 + 24Mg12 + 109.713 MeV [44.160 MeV] (A_Sc:88)
45Sc21 + 8 D* --> 38Ar18 + 23Na11 + 108.262 MeV [42.710 MeV] (A_Sc:89)
45Sc21 + 8 D* --> 39K19 + 22Ne10 + 105.850 MeV [40.297 MeV] (A_Sc:90)
45Sc21 + 8 D* --> 40K19 + 21Ne10 + 103.285 MeV [37.732 MeV] (A_Sc:91)
45Sc21 + 8 D* --> 41K19 + 20Ne10 + 106.619 MeV [41.066 MeV] (A_Sc:92)
45Sc21 + 8 D* --> 42Ca20 + 19F9 + 104.052 MeV [38.500 MeV] (A_Sc:93)
45Sc21 + 8 D* --> 45Sc21 + 16O8 + 109.823 MeV [44.270 MeV] (A_Sc:94)
45Sc21 + 8 D* --> 46Ti22 + 15N7 + 108.040 MeV [42.487 MeV] (A_Sc:95)
45Sc21 + 8 D* --> 47Ti22 + 14N7 + 106.087 MeV [40.534 MeV] (A_Sc:96)
45Sc21 + 8 D* --> 50Cr24 + 11B5 + 105.610 MeV [40.057 MeV] (A_Sc:97)
45Sc21 + 8 D* --> 54Fe26 + 7Li3 + 105.362 MeV [39.810 MeV] (A_Sc:98)
45Sc21 + 8 D* --> 60Ni28 + 1H1 + 121.201 MeV [55.648 MeV] (A_Sc:99)

45Sc21 + 9 D* --> 33S16 + 30Si14 + 128.173 MeV [52.609 MeV] (A_Sc:100)
45Sc21 + 9 D* --> 34S16 + 29Si14 + 128.981 MeV [53.417 MeV] (A_Sc:101)
45Sc21 + 9 D* --> 38Ar18 + 25Mg12 + 125.061 MeV [49.497 MeV] (A_Sc:102)
45Sc21 + 9 D* --> 40K19 + 23Na11 + 120.219 MeV [44.655 MeV] (A_Sc:103)
45Sc21 + 9 D* --> 42Ca20 + 21Ne10 + 121.433 MeV [45.869 MeV] (A_Sc:104)
45Sc21 + 9 D* --> 43Ca20 + 20Ne10 + 122.604 MeV [47.041 MeV] (A_Sc:105)

45Sc21 + 9 D* --> 46Ti22 + 17O8 + 122.086 MeV [46.522 MeV] (A_Sc:106)
45Sc21 + 9 D* --> 47Ti22 + 16O8 + 126.823 MeV [51.259 MeV] (A_Sc:107)
45Sc21 + 9 D* --> 50Cr24 + 13C6 + 124.288 MeV [48.725 MeV] (A_Sc:108)
45Sc21 + 9 D* --> 54Fe26 + 9Be4 + 122.059 MeV [46.495 MeV] (A_Sc:109)
45Sc21 + 9 D* --> 60Ni28 + 3He2 + 126.695 MeV [51.131 MeV] (A_Sc:110)

45Sc21 + 10 D* --> 34S16 + 31P15 + 144.662 MeV [58.707 MeV] (A_Sc:111)
45Sc21 + 10 D* --> 35Cl17 + 30Si14 + 143.736 MeV [57.781 MeV] (A_Sc:112)
45Sc21 + 10 D* --> 37Cl17 + 28Si14 + 143.544 MeV [57.589 MeV] (A_Sc:113)
45Sc21 + 10 D* --> 38Ar18 + 27Al13 + 142.201 MeV [56.246 MeV] (A_Sc:114)
45Sc21 + 10 D* --> 39K19 + 26Mg12 + 140.311 MeV [54.356 MeV] (A_Sc:115)
45Sc21 + 10 D* --> 40K19 + 25Mg12 + 137.017 MeV [51.063 MeV] (A_Sc:116)
45Sc21 + 10 D* --> 41K19 + 24Mg12 + 139.782 MeV [53.827 MeV] (A_Sc:117)
45Sc21 + 10 D* --> 42Ca20 + 23Na11 + 138.366 MeV [52.412 MeV] (A_Sc:118)
45Sc21 + 10 D* --> 45Sc21 + 20Ne10 + 138.399 MeV [52.445 MeV] (A_Sc:119)
45Sc21 + 10 D* --> 46Ti22 + 19F9 + 135.900 MeV [49.946 MeV] (A_Sc:120)
45Sc21 + 10 D* --> 50Cr24 + 15N7 + 140.447 MeV [54.493 MeV] (A_Sc:121)
45Sc21 + 10 D* --> 54Fe26 + 11B5 + 137.874 MeV [51.919 MeV] (A_Sc:122)
45Sc21 + 10 D* --> 58Ni28 + 7Li3 + 135.609 MeV [49.654 MeV] (A_Sc:123)
45Sc21 + 10 D* --> 64Zn30 + 1H1 + 149.004 MeV [63.049 MeV] (A_Sc:124)

45Sc21 + 11 D* --> 34S16 + 33S16 + 159.943 MeV [63.223 MeV] (A_Sc:125)
45Sc21 + 11 D* --> 38Ar18 + 29Si14 + 160.035 MeV [63.315 MeV] (A_Sc:126)
45Sc21 + 11 D* --> 40K19 + 27Al13 + 154.157 MeV [57.437 MeV] (A_Sc:127)
45Sc21 + 11 D* --> 42Ca20 + 25Mg12 + 155.165 MeV [58.445 MeV] (A_Sc:128)
45Sc21 + 11 D* --> 43Ca20 + 24Mg12 + 155.767 MeV [59.048 MeV] (A_Sc:129)
45Sc21 + 11 D* --> 46Ti22 + 21Ne10 + 153.280 MeV [56.561 MeV] (A_Sc:130)
45Sc21 + 11 D* --> 47Ti22 + 20Ne10 + 155.399 MeV [58.680 MeV] (A_Sc:131)
45Sc21 + 11 D* --> 50Cr24 + 17O8 + 154.493 MeV [57.774 MeV] (A_Sc:132)
45Sc21 + 11 D* --> 54Fe26 + 13C6 + 156.553 MeV [59.833 MeV] (A_Sc:133)
45Sc21 + 11 D* --> 58Ni28 + 9Be4 + 152.305 MeV [55.585 MeV] (A_Sc:134)
45Sc21 + 11 D* --> 64Zn30 + 3He2 + 154.498 MeV [57.778 MeV] (A_Sc:135)

45Sc21 + 12 D* --> 35Cl17 + 34S16 + 175.506 MeV [67.653 MeV] (A_Sc:136)
45Sc21 + 12 D* --> 37Cl17 + 32S16 + 174.338 MeV [66.485 MeV] (A_Sc:137)
45Sc21 + 12 D* --> 38Ar18 + 31P15 + 175.716 MeV [67.863 MeV] (A_Sc:138)
45Sc21 + 12 D* --> 39K19 + 30Si14 + 174.801 MeV [66.947 MeV] (A_Sc:139)
45Sc21 + 12 D* --> 40K19 + 29Si14 + 171.991 MeV [64.138 MeV] (A_Sc:140)
45Sc21 + 12 D* --> 41K19 + 28Si14 + 173.613 MeV [65.759 MeV] (A_Sc:141)
45Sc21 + 12 D* --> 42Ca20 + 27Al13 + 172.305 MeV [64.451 MeV] (A_Sc:142)
45Sc21 + 12 D* --> 45Sc21 + 24Mg12 + 171.562 MeV [63.709 MeV] (A_Sc:143)
45Sc21 + 12 D* --> 46Ti22 + 23Na11 + 170.214 MeV [62.361 MeV] (A_Sc:144)
45Sc21 + 12 D* --> 50Cr24 + 19F9 + 168.308 MeV [60.454 MeV] (A_Sc:145)
45Sc21 + 12 D* --> 54Fe26 + 15N7 + 172.712 MeV [64.858 MeV] (A_Sc:146)
45Sc21 + 12 D* --> 58Ni28 + 11B5 + 168.121 MeV [60.267 MeV] (A_Sc:147)

---------- Equations follow for Titanium, Ti, element 22 ----------

46Ti22 + D* --> 47Ti22 + 1H1 + 6.656 MeV [-0.318 MeV] (A_Ti:1)

46Ti22 + 2 D* --> 25Mg12 + 25Mg12 + 8.534 MeV [-5.851 MeV] (A_Ti:2)
46Ti22 + 2 D* --> 26Mg12 + 24Mg12 + 12.296 MeV [-2.088 MeV] (A_Ti:3)
46Ti22 + 2 D* --> 27Al13 + 23Na11 + 8.875 MeV [-5.510 MeV] (A_Ti:4)
46Ti22 + 2 D* --> 28Si14 + 22Ne10 + 11.666 MeV [-2.719 MeV] (A_Ti:5)

46Ti22 + 2 D* --> 29Si14 + 21Ne10 + 9.775 MeV [-4.609 MeV] (A_Ti:6)
46Ti22 + 2 D* --> 30Si14 + 20Ne10 + 13.623 MeV [-0.761 MeV] (A_Ti:7)
46Ti22 + 2 D* --> 31P15 + 19F9 + 8.076 MeV [-6.308 MeV] (A_Ti:8)
46Ti22 + 2 D* --> 32S16 + 18O8 + 8.945 MeV [-5.439 MeV] (A_Ti:9)
46Ti22 + 2 D* --> 33S16 + 17O8 + 9.543 MeV [-4.841 MeV] (A_Ti:10)
46Ti22 + 2 D* --> 34S16 + 16O8 + 16.817 MeV [2.433 MeV] (A_Ti:11)
46Ti22 + 2 D* --> 35Cl17 + 15N7 + 11.060 MeV [-3.324 MeV] (A_Ti:12)
46Ti22 + 2 D* --> 38Ar18 + 12C6 + 16.863 MeV [2.478 MeV] (A_Ti:13)
46Ti22 + 2 D* --> 39K19 + 11B5 + 7.287 MeV [-7.097 MeV] (A_Ti:14)
46Ti22 + 2 D* --> 40K19 + 10B5 + 3.632 MeV [-10.752 MeV] (A_Ti:15)
46Ti22 + 2 D* --> 46Ti22 + 4He2 + 23.847 MeV [9.462 MeV] (A_Ti:16)
46Ti22 + 2 D* --> 47Ti22 + 3He2 + 12.149 MeV [-2.235 MeV] (A_Ti:17)
46Ti22 + 2 D* --> 50Cr24 + 32.408 MeV [18.023 MeV] (A_Ti:18)

46Ti22 + 3 D* --> 27Al13 + 25Mg12 + 25.673 MeV [3.451 MeV] (A_Ti:19)
46Ti22 + 3 D* --> 29Si14 + 23Na11 + 26.709 MeV [4.487 MeV] (A_Ti:20)
46Ti22 + 3 D* --> 31P15 + 21Ne10 + 25.456 MeV [3.234 MeV] (A_Ti:21)
46Ti22 + 3 D* --> 33S16 + 19F9 + 23.357 MeV [1.135 MeV] (A_Ti:22)
46Ti22 + 3 D* --> 35Cl17 + 17O8 + 25.106 MeV [2.884 MeV] (A_Ti:23)
46Ti22 + 3 D* --> 38Ar18 + 14N7 + 27.135 MeV [4.913 MeV] (A_Ti:24)
46Ti22 + 3 D* --> 39K19 + 13C6 + 25.966 MeV [3.744 MeV] (A_Ti:25)
46Ti22 + 3 D* --> 40K19 + 12C6 + 28.819 MeV [6.597 MeV] (A_Ti:26)
46Ti22 + 3 D* --> 42Ca20 + 10B5 + 21.780 MeV [-0.442 MeV] (A_Ti:27)
46Ti22 + 3 D* --> 46Ti22 + 6Li3 + 25.320 MeV [3.098 MeV] (A_Ti:28)
46Ti22 + 3 D* --> 50Cr24 + 2H1 + 32.408 MeV [10.185 MeV] (A_Ti:29)

46Ti22 + 4 D* --> 27Al13 + 27Al13 + 42.813 MeV [12.335 MeV] (A_Ti:30)
46Ti22 + 4 D* --> 28Si14 + 26Mg12 + 46.127 MeV [15.649 MeV] (A_Ti:31)
46Ti22 + 4 D* --> 29Si14 + 25Mg12 + 43.507 MeV [13.029 MeV] (A_Ti:32)
46Ti22 + 4 D* --> 30Si14 + 24Mg12 + 46.786 MeV [16.308 MeV] (A_Ti:33)
46Ti22 + 4 D* --> 31P15 + 23Na11 + 42.390 MeV [11.912 MeV] (A_Ti:34)
46Ti22 + 4 D* --> 32S16 + 22Ne10 + 42.460 MeV [11.982 MeV] (A_Ti:35)
46Ti22 + 4 D* --> 33S16 + 21Ne10 + 40.737 MeV [10.259 MeV] (A_Ti:36)
46Ti22 + 4 D* --> 34S16 + 20Ne10 + 45.393 MeV [14.915 MeV] (A_Ti:37)
46Ti22 + 4 D* --> 35Cl17 + 19F9 + 38.920 MeV [8.442 MeV] (A_Ti:38)
46Ti22 + 4 D* --> 36Ar18 + 18O8 + 39.433 MeV [8.954 MeV] (A_Ti:39)
46Ti22 + 4 D* --> 38Ar18 + 16O8 + 47.871 MeV [17.393 MeV] (A_Ti:40)
46Ti22 + 4 D* --> 39K19 + 15N7 + 42.125 MeV [11.647 MeV] (A_Ti:41)
46Ti22 + 4 D* --> 40K19 + 14N7 + 39.091 MeV [8.613 MeV] (A_Ti:42)
46Ti22 + 4 D* --> 42Ca20 + 12C6 + 46.967 MeV [16.488 MeV] (A_Ti:43)
46Ti22 + 4 D* --> 50Cr24 + 4He2 + 56.254 MeV [25.776 MeV] (A_Ti:44)
46Ti22 + 4 D* --> 54Fe26 + 64.672 MeV [34.194 MeV] (A_Ti:45)

46Ti22 + 5 D* --> 29Si14 + 27Al13 + 60.647 MeV [21.503 MeV] (A_Ti:46)
46Ti22 + 5 D* --> 31P15 + 25Mg12 + 59.189 MeV [20.045 MeV] (A_Ti:47)
46Ti22 + 5 D* --> 33S16 + 23Na11 + 57.671 MeV [18.527 MeV] (A_Ti:48)
46Ti22 + 5 D* --> 35Cl17 + 21Ne10 + 56.301 MeV [17.156 MeV] (A_Ti:49)
46Ti22 + 5 D* --> 39K19 + 17O8 + 56.171 MeV [17.027 MeV] (A_Ti:50)
46Ti22 + 5 D* --> 40K19 + 16O8 + 59.827 MeV [20.683 MeV] (A_Ti:51)
46Ti22 + 5 D* --> 42Ca20 + 14N7 + 57.239 MeV [18.095 MeV] (A_Ti:52)
46Ti22 + 5 D* --> 46Ti22 + 10B5 + 53.628 MeV [14.484 MeV] (A_Ti:53)
46Ti22 + 5 D* --> 50Cr24 + 6Li3 + 57.728 MeV [18.584 MeV] (A_Ti:54)
46Ti22 + 5 D* --> 54Fe26 + 2H1 + 64.672 MeV [25.528 MeV] (A_Ti:55)

46Ti22 + 6 D* --> 29Si14 + 29Si14 + 78.481 MeV [30.269 MeV] (A_Ti:56)
46Ti22 + 6 D* --> 30Si14 + 28Si14 + 80.617 MeV [32.404 MeV] (A_Ti:57)
46Ti22 + 6 D* --> 31P15 + 27Al13 + 76.328 MeV [28.116 MeV] (A_Ti:58)
46Ti22 + 6 D* --> 32S16 + 26Mg12 + 76.921 MeV [28.709 MeV] (A_Ti:59)
46Ti22 + 6 D* --> 33S16 + 25Mg12 + 74.470 MeV [26.257 MeV] (A_Ti:60)
46Ti22 + 6 D* --> 34S16 + 24Mg12 + 78.556 MeV [30.344 MeV] (A_Ti:61)
46Ti22 + 6 D* --> 35Cl17 + 23Na11 + 73.234 MeV [25.022 MeV] (A_Ti:62)
46Ti22 + 6 D* --> 36Ar18 + 22Ne10 + 72.947 MeV [24.735 MeV] (A_Ti:63)
46Ti22 + 6 D* --> 38Ar18 + 20Ne10 + 76.447 MeV [28.235 MeV] (A_Ti:64)
46Ti22 + 6 D* --> 39K19 + 19F9 + 69.985 MeV [21.773 MeV] (A_Ti:65)
46Ti22 + 6 D* --> 40Ca20 + 18O8 + 70.319 MeV [22.106 MeV] (A_Ti:66)
46Ti22 + 6 D* --> 42Ca20 + 16O8 + 77.975 MeV [29.763 MeV] (A_Ti:67)
46Ti22 + 6 D* --> 46Ti22 + 12C6 + 78.814 MeV [30.602 MeV] (A_Ti:68)
46Ti22 + 6 D* --> 54Fe26 + 4He2 + 88.518 MeV [40.306 MeV] (A_Ti:69)
46Ti22 + 6 D* --> 58Ni28 + 94.919 MeV [46.706 MeV] (A_Ti:70)

46Ti22 + 7 D* --> 31P15 + 29Si14 + 94.163 MeV [36.487 MeV] (A_Ti:71)
46Ti22 + 7 D* --> 33S16 + 27Al13 + 91.609 MeV [33.934 MeV] (A_Ti:72)
46Ti22 + 7 D* --> 35Cl17 + 25Mg12 + 90.033 MeV [32.357 MeV] (A_Ti:73)
46Ti22 + 7 D* --> 39K19 + 21Ne10 + 87.365 MeV [29.690 MeV] (A_Ti:74)
46Ti22 + 7 D* --> 40K19 + 20Ne10 + 88.404 MeV [30.728 MeV] (A_Ti:75)
46Ti22 + 7 D* --> 46Ti22 + 14N7 + 89.087 MeV [31.411 MeV] (A_Ti:76)
46Ti22 + 7 D* --> 50Cr24 + 10B5 + 86.035 MeV [28.360 MeV] (A_Ti:77)
46Ti22 + 7 D* --> 54Fe26 + 6Li3 + 89.992 MeV [32.317 MeV] (A_Ti:78)
46Ti22 + 7 D* --> 58Ni28 + 2H1 + 94.919 MeV [37.243 MeV] (A_Ti:79)

46Ti22 + 8 D* --> 31P15 + 31P15 + 109.844 MeV [42.317 MeV] (A_Ti:80)
46Ti22 + 8 D* --> 32S16 + 30Si14 + 111.411 MeV [43.884 MeV] (A_Ti:81)
46Ti22 + 8 D* --> 33S16 + 29Si14 + 109.443 MeV [41.917 MeV] (A_Ti:82)
46Ti22 + 8 D* --> 34S16 + 28Si14 + 112.387 MeV [44.860 MeV] (A_Ti:83)
46Ti22 + 8 D* --> 35Cl17 + 27Al13 + 107.173 MeV [39.646 MeV] (A_Ti:84)
46Ti22 + 8 D* --> 36Ar18 + 26Mg12 + 107.408 MeV [39.882 MeV] (A_Ti:85)
46Ti22 + 8 D* --> 38Ar18 + 24Mg12 + 109.610 MeV [42.084 MeV] (A_Ti:86)
46Ti22 + 8 D* --> 39K19 + 23Na11 + 104.299 MeV [36.772 MeV] (A_Ti:87)
46Ti22 + 8 D* --> 40Ca20 + 22Ne10 + 103.833 MeV [36.306 MeV] (A_Ti:88)
46Ti22 + 8 D* --> 42Ca20 + 20Ne10 + 106.551 MeV [39.024 MeV] (A_Ti:89)
46Ti22 + 8 D* --> 46Ti22 + 16O8 + 109.823 MeV [42.296 MeV] (A_Ti:90)
46Ti22 + 8 D* --> 50Cr24 + 12C6 + 111.222 MeV [43.695 MeV] (A_Ti:91)
46Ti22 + 8 D* --> 58Ni28 + 4He2 + 118.765 MeV [51.238 MeV] (A_Ti:92)

46Ti22 + 9 D* --> 33S16 + 31P15 + 125.125 MeV [47.365 MeV] (A_Ti:93)
46Ti22 + 9 D* --> 35Cl17 + 29Si14 + 125.007 MeV [47.247 MeV] (A_Ti:94)
46Ti22 + 9 D* --> 39K19 + 25Mg12 + 121.098 MeV [43.338 MeV] (A_Ti:95)
46Ti22 + 9 D* --> 40K19 + 24Mg12 + 121.567 MeV [43.807 MeV] (A_Ti:96)
46Ti22 + 9 D* --> 50Cr24 + 14N7 + 121.494 MeV [43.734 MeV] (A_Ti:97)
46Ti22 + 9 D* --> 54Fe26 + 10B5 + 118.300 MeV [40.540 MeV] (A_Ti:98)
46Ti22 + 9 D* --> 58Ni28 + 6Li3 + 120.239 MeV [42.479 MeV] (A_Ti:99)

46Ti22 + 10 D* --> 33S16 + 33S16 + 140.406 MeV [52.037 MeV] (A_Ti:100)
46Ti22 + 10 D* --> 34S16 + 32S16 + 143.181 MeV [54.812 MeV] (A_Ti:101)
46Ti22 + 10 D* --> 35Cl17 + 31P15 + 140.688 MeV [52.319 MeV] (A_Ti:102)
46Ti22 + 10 D* --> 36Ar18 + 30Si14 + 141.898 MeV [53.529 MeV] (A_Ti:103)
46Ti22 + 10 D* --> 38Ar18 + 28Si14 + 143.441 MeV [55.072 MeV] (A_Ti:104)
46Ti22 + 10 D* --> 39K19 + 27Al13 + 138.237 MeV [49.869 MeV] (A_Ti:105)

46Ti22 + 10 D* --> 40Ca20 + 26Mg12 + 138.295 MeV [49.926 MeV] (A_Ti:106)
46Ti22 + 10 D* --> 42Ca20 + 24Mg12 + 139.714 MeV [51.346 MeV] (A_Ti:107)
46Ti22 + 10 D* --> 46Ti22 + 20Ne10 + 138.399 MeV [50.030 MeV] (A_Ti:108)
46Ti22 + 10 D* --> 50Cr24 + 16O8 + 142.230 MeV [53.861 MeV] (A_Ti:109)
46Ti22 + 10 D* --> 54Fe26 + 12C6 + 143.486 MeV [55.117 MeV] (A_Ti:110)

46Ti22 + 11 D* --> 35Cl17 + 33S16 + 155.969 MeV [56.621 MeV] (A_Ti:111)
46Ti22 + 11 D* --> 39K19 + 29Si14 + 156.072 MeV [56.724 MeV] (A_Ti:112)
46Ti22 + 11 D* --> 40K19 + 28Si14 + 155.398 MeV [56.050 MeV] (A_Ti:113)
46Ti22 + 11 D* --> 54Fe26 + 14N7 + 153.759 MeV [54.411 MeV] (A_Ti:114)
46Ti22 + 11 D* --> 58Ni28 + 10B5 + 148.546 MeV [49.199 MeV] (A_Ti:115)

46Ti22 + 12 D* --> 35Cl17 + 35Cl17 + 171.532 MeV [60.841 MeV] (A_Ti:116)
46Ti22 + 12 D* --> 36Ar18 + 34S16 + 173.669 MeV [62.977 MeV] (A_Ti:117)
46Ti22 + 12 D* --> 38Ar18 + 32S16 + 174.235 MeV [63.544 MeV] (A_Ti:118)
46Ti22 + 12 D* --> 39K19 + 31P15 + 171.753 MeV [61.061 MeV] (A_Ti:119)
46Ti22 + 12 D* --> 40Ca20 + 30Si14 + 172.784 MeV [62.093 MeV] (A_Ti:120)
46Ti22 + 12 D* --> 42Ca20 + 28Si14 + 173.545 MeV [62.853 MeV] (A_Ti:121)
46Ti22 + 12 D* --> 46Ti22 + 24Mg12 + 171.562 MeV [60.871 MeV] (A_Ti:122)
46Ti22 + 12 D* --> 50Cr24 + 20Ne10 + 170.807 MeV [60.115 MeV] (A_Ti:123)
46Ti22 + 12 D* --> 54Fe26 + 16O8 + 174.495 MeV [63.803 MeV] (A_Ti:124)
46Ti22 + 12 D* --> 58Ni28 + 12C6 + 173.733 MeV [63.041 MeV] (A_Ti:125)

47Ti22 + D* --> 45Sc21 + 4He2 + 6.846 MeV [-0.080 MeV] (A_Ti:126)
47Ti22 + D* --> 48Ti22 + 1H1 + 9.402 MeV [2.476 MeV] (A_Ti:127)

47Ti22 + 2 D* --> 26Mg12 + 25Mg12 + 10.746 MeV [-3.543 MeV] (A_Ti:128)
47Ti22 + 2 D* --> 29Si14 + 22Ne10 + 11.259 MeV [-3.031 MeV] (A_Ti:129)
47Ti22 + 2 D* --> 30Si14 + 21Ne10 + 11.504 MeV [-2.786 MeV] (A_Ti:130)
47Ti22 + 2 D* --> 33S16 + 18O8 + 8.707 MeV [-5.583 MeV] (A_Ti:131)
47Ti22 + 2 D* --> 34S16 + 17O8 + 12.080 MeV [-2.210 MeV] (A_Ti:132)
47Ti22 + 2 D* --> 37Cl17 + 14N7 + 10.237 MeV [-4.052 MeV] (A_Ti:133)
47Ti22 + 2 D* --> 38Ar18 + 13C6 + 12.929 MeV [-1.361 MeV] (A_Ti:134)
47Ti22 + 2 D* --> 40K19 + 11B5 + 6.206 MeV [-8.083 MeV] (A_Ti:135)
47Ti22 + 2 D* --> 41K19 + 10B5 + 4.847 MeV [-9.442 MeV] (A_Ti:136)
47Ti22 + 2 D* --> 42Ca20 + 9Be4 + 8.538 MeV [-5.751 MeV] (A_Ti:137)
47Ti22 + 2 D* --> 45Sc21 + 6Li3 + 8.320 MeV [-5.970 MeV] (A_Ti:138)
47Ti22 + 2 D* --> 47Ti22 + 4He2 + 23.847 MeV [9.557 MeV] (A_Ti:139)
47Ti22 + 2 D* --> 48Ti22 + 3He2 + 14.896 MeV [00.606 MeV] (A_Ti:140)
47Ti22 + 2 D* --> 50V23 + 1H1 + 23.272 MeV [8.982 MeV] (A_Ti:141)

47Ti22 + 3 D* --> 27Al13 + 26Mg12 + 27.886 MeV [5.805 MeV] (A_Ti:142)
47Ti22 + 3 D* --> 30Si14 + 23Na11 + 28.438 MeV [6.356 MeV] (A_Ti:143)
47Ti22 + 3 D* --> 31P15 + 22Ne10 + 26.940 MeV [4.859 MeV] (A_Ti:144)
47Ti22 + 3 D* --> 34S16 + 19F9 + 25.894 MeV [3.813 MeV] (A_Ti:145)
47Ti22 + 3 D* --> 35Cl17 + 18O8 + 24.270 MeV [2.188 MeV] (A_Ti:146)
47Ti22 + 3 D* --> 37Cl17 + 16O8 + 30.973 MeV [8.892 MeV] (A_Ti:147)
47Ti22 + 3 D* --> 38Ar18 + 15N7 + 29.088 MeV [7.006 MeV] (A_Ti:148)
47Ti22 + 3 D* --> 40K19 + 13C6 + 24.885 MeV [2.804 MeV] (A_Ti:149)
47Ti22 + 3 D* --> 41K19 + 12C6 + 30.034 MeV [7.952 MeV] (A_Ti:150)
47Ti22 + 3 D* --> 42Ca20 + 11B5 + 24.354 MeV [2.273 MeV] (A_Ti:151)
47Ti22 + 3 D* --> 43Ca20 + 10B5 + 20.833 MeV [-1.249 MeV] (A_Ti:152)
47Ti22 + 3 D* --> 46Ti22 + 7Li3 + 23.690 MeV [1.609 MeV] (A_Ti:153)
47Ti22 + 3 D* --> 47Ti22 + 6Li3 + 25.320 MeV [3.239 MeV] (A_Ti:154)

47Ti22 + 3 D* --> 50V23 + 3He2 + 28.765 MeV [6.684 MeV] (A_Ti:155)
47Ti22 + 3 D* --> 52Cr24 + 1H1 + 42.603 MeV [20.521 MeV] (A_Ti:156)

47Ti22 + 4 D* --> 29Si14 + 26Mg12 + 45.720 MeV [15.428 MeV] (A_Ti:157)
47Ti22 + 4 D* --> 30Si14 + 25Mg12 + 45.236 MeV [14.944 MeV] (A_Ti:158)
47Ti22 + 4 D* --> 33S16 + 22Ne10 + 42.221 MeV [11.929 MeV] (A_Ti:159)
47Ti22 + 4 D* --> 34S16 + 21Ne10 + 43.274 MeV [12.982 MeV] (A_Ti:160)
47Ti22 + 4 D* --> 38Ar18 + 17O8 + 43.134 MeV [12.842 MeV] (A_Ti:161)
47Ti22 + 4 D* --> 40K19 + 15N7 + 41.044 MeV [10.752 MeV] (A_Ti:162)
47Ti22 + 4 D* --> 41K19 + 14N7 + 40.306 MeV [10.014 MeV] (A_Ti:163)
47Ti22 + 4 D* --> 42Ca20 + 13C6 + 43.033 MeV [12.740 MeV] (A_Ti:164)
47Ti22 + 4 D* --> 43Ca20 + 12C6 + 46.019 MeV [15.727 MeV] (A_Ti:165)
47Ti22 + 4 D* --> 45Sc21 + 10B5 + 36.628 MeV [6.335 MeV] (A_Ti:166)
47Ti22 + 4 D* --> 46Ti22 + 9Be4 + 40.386 MeV [10.094 MeV] (A_Ti:167)
47Ti22 + 4 D* --> 52Cr24 + 3He2 + 48.096 MeV [17.804 MeV] (A_Ti:168)

47Ti22 + 5 D* --> 30Si14 + 27Al13 + 62.376 MeV [23.462 MeV] (A_Ti:169)
47Ti22 + 5 D* --> 31P15 + 26Mg12 + 61.402 MeV [22.488 MeV] (A_Ti:170)
47Ti22 + 5 D* --> 34S16 + 23Na11 + 60.208 MeV [21.294 MeV] (A_Ti:171)
47Ti22 + 5 D* --> 35Cl17 + 22Ne10 + 57.784 MeV [18.871 MeV] (A_Ti:172)
47Ti22 + 5 D* --> 37Cl17 + 20Ne10 + 59.550 MeV [20.636 MeV] (A_Ti:173)
47Ti22 + 5 D* --> 38Ar18 + 19F9 + 56.948 MeV [18.034 MeV] (A_Ti:174)
47Ti22 + 5 D* --> 39K19 + 18O8 + 55.335 MeV [16.421 MeV] (A_Ti:175)
47Ti22 + 5 D* --> 40K19 + 17O8 + 55.090 MeV [16.176 MeV] (A_Ti:176)
47Ti22 + 5 D* --> 41K19 + 16O8 + 61.042 MeV [22.128 MeV] (A_Ti:177)
47Ti22 + 5 D* --> 42Ca20 + 15N7 + 59.192 MeV [20.278 MeV] (A_Ti:178)
47Ti22 + 5 D* --> 43Ca20 + 14N7 + 56.291 MeV [17.378 MeV] (A_Ti:179)
47Ti22 + 5 D* --> 45Sc21 + 12C6 + 61.814 MeV [22.900 MeV] (A_Ti:180)
47Ti22 + 5 D* --> 46Ti22 + 11B5 + 56.202 MeV [17.288 MeV] (A_Ti:181)
47Ti22 + 5 D* --> 47Ti22 + 10B5 + 53.628 MeV [14.714 MeV] (A_Ti:182)
47Ti22 + 5 D* --> 50Cr24 + 7Li3 + 56.098 MeV [17.184 MeV] (A_Ti:183)
47Ti22 + 5 D* --> 56Fe26 + 1H1 + 74.063 MeV [35.149 MeV] (A_Ti:184)

47Ti22 + 6 D* --> 30Si14 + 29Si14 + 80.210 MeV [32.272 MeV] (A_Ti:185)
47Ti22 + 6 D* --> 33S16 + 26Mg12 + 76.683 MeV [28.744 MeV] (A_Ti:186)
47Ti22 + 6 D* --> 34S16 + 25Mg12 + 77.007 MeV [29.068 MeV] (A_Ti:187)
47Ti22 + 6 D* --> 38Ar18 + 21Ne10 + 74.328 MeV [26.390 MeV] (A_Ti:188)
47Ti22 + 6 D* --> 40K19 + 19F9 + 68.905 MeV [20.966 MeV] (A_Ti:189)
47Ti22 + 6 D* --> 42Ca20 + 17O8 + 73.238 MeV [25.299 MeV] (A_Ti:190)
47Ti22 + 6 D* --> 43Ca20 + 16O8 + 77.028 MeV [29.089 MeV] (A_Ti:191)
47Ti22 + 6 D* --> 45Sc21 + 14N7 + 72.086 MeV [24.148 MeV] (A_Ti:192)
47Ti22 + 6 D* --> 46Ti22 + 13C6 + 74.880 MeV [26.942 MeV] (A_Ti:193)
47Ti22 + 6 D* --> 47Ti22 + 12C6 + 78.814 MeV [30.876 MeV] (A_Ti:194)
47Ti22 + 6 D* --> 50Cr24 + 9Be4 + 72.794 MeV [24.855 MeV] (A_Ti:195)
47Ti22 + 6 D* --> 56Fe26 + 3He2 + 79.556 MeV [31.618 MeV] (A_Ti:196)

47Ti22 + 7 D* --> 31P15 + 30Si14 + 95.891 MeV [38.533 MeV] (A_Ti:197)
47Ti22 + 7 D* --> 34S16 + 27Al13 + 94.146 MeV [36.787 MeV] (A_Ti:198)
47Ti22 + 7 D* --> 35Cl17 + 26Mg12 + 92.246 MeV [34.887 MeV] (A_Ti:199)
47Ti22 + 7 D* --> 37Cl17 + 24Mg12 + 92.713 MeV [35.354 MeV] (A_Ti:200)
47Ti22 + 7 D* --> 38Ar18 + 23Na11 + 91.262 MeV [33.903 MeV] (A_Ti:201)
47Ti22 + 7 D* --> 39K19 + 22Ne10 + 88.849 MeV [31.491 MeV] (A_Ti:202)
47Ti22 + 7 D* --> 40K19 + 21Ne10 + 86.285 MeV [28.926 MeV] (A_Ti:203)
47Ti22 + 7 D* --> 41K19 + 20Ne10 + 89.619 MeV [32.260 MeV] (A_Ti:204)

47Ti22 + 7 D* --> 42Ca20 + 19F9 + 87.052 MeV [29.694 MeV] (A_Ti:205)
47Ti22 + 7 D* --> 45Sc21 + 16O8 + 92.822 MeV [35.464 MeV] (A_Ti:206)
47Ti22 + 7 D* --> 46Ti22 + 15N7 + 91.040 MeV [33.681 MeV] (A_Ti:207)
47Ti22 + 7 D* --> 47Ti22 + 14N7 + 89.087 MeV [31.728 MeV] (A_Ti:208)
47Ti22 + 7 D* --> 50Cr24 + 11B5 + 88.609 MeV [31.251 MeV] (A_Ti:209)
47Ti22 + 7 D* --> 54Fe26 + 7Li3 + 88.362 MeV [31.003 MeV] (A_Ti:210)
47Ti22 + 7 D* --> 60Ni28 + 1H1 + 104.201 MeV [46.842 MeV] (A_Ti:211)

47Ti22 + 8 D* --> 33S16 + 30Si14 + 111.172 MeV [44.005 MeV] (A_Ti:212)
47Ti22 + 8 D* --> 34S16 + 29Si14 + 111.980 MeV [44.813 MeV] (A_Ti:213)
47Ti22 + 8 D* --> 38Ar18 + 25Mg12 + 108.061 MeV [40.893 MeV] (A_Ti:214)
47Ti22 + 8 D* --> 40K19 + 23Na11 + 103.218 MeV [36.051 MeV] (A_Ti:215)
47Ti22 + 8 D* --> 42Ca20 + 21Ne10 + 104.432 MeV [37.265 MeV] (A_Ti:216)
47Ti22 + 8 D* --> 43Ca20 + 20Ne10 + 105.604 MeV [38.436 MeV] (A_Ti:217)
47Ti22 + 8 D* --> 46Ti22 + 17O8 + 105.086 MeV [37.918 MeV] (A_Ti:218)
47Ti22 + 8 D* --> 47Ti22 + 16O8 + 109.823 MeV [42.655 MeV] (A_Ti:219)
47Ti22 + 8 D* --> 50Cr24 + 13C6 + 107.288 MeV [40.120 MeV] (A_Ti:220)
47Ti22 + 8 D* --> 54Fe26 + 9Be4 + 105.058 MeV [37.891 MeV] (A_Ti:221)
47Ti22 + 8 D* --> 60Ni28 + 3He2 + 109.694 MeV [42.527 MeV] (A_Ti:222)

47Ti22 + 9 D* --> 34S16 + 31P15 + 127.662 MeV [50.303 MeV] (A_Ti:223)
47Ti22 + 9 D* --> 35Cl17 + 30Si14 + 126.736 MeV [49.376 MeV] (A_Ti:224)
47Ti22 + 9 D* --> 37Cl17 + 28Si14 + 126.543 MeV [49.184 MeV] (A_Ti:225)
47Ti22 + 9 D* --> 38Ar18 + 27Al13 + 125.200 MeV [47.841 MeV] (A_Ti:226)
47Ti22 + 9 D* --> 39K19 + 26Mg12 + 123.311 MeV [45.952 MeV] (A_Ti:227)
47Ti22 + 9 D* --> 40K19 + 25Mg12 + 120.017 MeV [42.658 MeV] (A_Ti:228)
47Ti22 + 9 D* --> 41K19 + 24Mg12 + 122.782 MeV [45.423 MeV] (A_Ti:229)
47Ti22 + 9 D* --> 42Ca20 + 23Na11 + 121.366 MeV [44.007 MeV] (A_Ti:230)
47Ti22 + 9 D* --> 45Sc21 + 20Ne10 + 121.399 MeV [44.040 MeV] (A_Ti:231)
47Ti22 + 9 D* --> 46Ti22 + 19F9 + 118.900 MeV [41.541 MeV] (A_Ti:232)
47Ti22 + 9 D* --> 50Cr24 + 15N7 + 123.447 MeV [46.088 MeV] (A_Ti:233)
47Ti22 + 9 D* --> 54Fe26 + 11B5 + 120.874 MeV [43.514 MeV] (A_Ti:234)
47Ti22 + 9 D* --> 58Ni28 + 7Li3 + 118.609 MeV [41.249 MeV] (A_Ti:235)
47Ti22 + 9 D* --> 64Zn30 + 1H1 + 132.004 MeV [54.645 MeV] (A_Ti:236)

47Ti22 + 10 D* --> 34S16 + 33S16 + 142.943 MeV [55.016 MeV] (A_Ti:237)
47Ti22 + 10 D* --> 38Ar18 + 29Si14 + 143.034 MeV [55.107 MeV] (A_Ti:238)
47Ti22 + 10 D* --> 40K19 + 27Al13 + 137.157 MeV [49.230 MeV] (A_Ti:239)
47Ti22 + 10 D* --> 42Ca20 + 25Mg12 + 138.165 MeV [50.238 MeV] (A_Ti:240)
47Ti22 + 10 D* --> 43Ca20 + 24Mg12 + 138.767 MeV [50.840 MeV] (A_Ti:241)
47Ti22 + 10 D* --> 46Ti22 + 21Ne10 + 136.280 MeV [48.353 MeV] (A_Ti:242)
47Ti22 + 10 D* --> 47Ti22 + 20Ne10 + 138.399 MeV [50.472 MeV] (A_Ti:243)
47Ti22 + 10 D* --> 50Cr24 + 17O8 + 137.493 MeV [49.566 MeV] (A_Ti:244)
47Ti22 + 10 D* --> 54Fe26 + 13C6 + 139.552 MeV [51.625 MeV] (A_Ti:245)
47Ti22 + 10 D* --> 58Ni28 + 9Be4 + 135.305 MeV [47.378 MeV] (A_Ti:246)
47Ti22 + 10 D* --> 64Zn30 + 3He2 + 137.497 MeV [49.570 MeV] (A_Ti:247)

47Ti22 + 11 D* --> 35Cl17 + 34S16 + 158.506 MeV [59.640 MeV] (A_Ti:248)
47Ti22 + 11 D* --> 37Cl17 + 32S16 + 157.338 MeV [58.472 MeV] (A_Ti:249)
47Ti22 + 11 D* --> 38Ar18 + 31P15 + 158.716 MeV [59.850 MeV] (A_Ti:250)
47Ti22 + 11 D* --> 39K19 + 30Si14 + 157.800 MeV [58.935 MeV] (A_Ti:251)
47Ti22 + 11 D* --> 40K19 + 29Si14 + 154.991 MeV [56.125 MeV] (A_Ti:252)
47Ti22 + 11 D* --> 41K19 + 28Si14 + 156.612 MeV [57.747 MeV] (A_Ti:253)
47Ti22 + 11 D* --> 42Ca20 + 27Al13 + 155.304 MeV [56.439 MeV] (A_Ti:254)

47Ti22 + 11 D* --> 45Sc21 + 24Mg12 + 154.562 MeV [55.696 MeV] (A_Ti:255)
47Ti22 + 11 D* --> 46Ti22 + 23Na11 + 153.214 MeV [54.348 MeV] (A_Ti:256)
47Ti22 + 11 D* --> 50Cr24 + 19F9 + 151.307 MeV [52.442 MeV] (A_Ti:257)
47Ti22 + 11 D* --> 54Fe26 + 15N7 + 155.712 MeV [56.846 MeV] (A_Ti:258)
47Ti22 + 11 D* --> 58Ni28 + 11B5 + 151.120 MeV [52.255 MeV] (A_Ti:259)

47Ti22 + 12 D* --> 38Ar18 + 33S16 + 173.997 MeV [63.827 MeV] (A_Ti:260)
47Ti22 + 12 D* --> 40K19 + 31P15 + 170.672 MeV [60.503 MeV] (A_Ti:261)
47Ti22 + 12 D* --> 42Ca20 + 29Si14 + 173.138 MeV [62.969 MeV] (A_Ti:262)
47Ti22 + 12 D* --> 43Ca20 + 28Si14 + 172.598 MeV [62.428 MeV] (A_Ti:263)
47Ti22 + 12 D* --> 46Ti22 + 25Mg12 + 170.013 MeV [59.843 MeV] (A_Ti:264)
47Ti22 + 12 D* --> 47Ti22 + 24Mg12 + 171.562 MeV [61.393 MeV] (A_Ti:265)
47Ti22 + 12 D* --> 50Cr24 + 21Ne10 + 168.688 MeV [58.518 MeV] (A_Ti:266)
47Ti22 + 12 D* --> 54Fe26 + 17O8 + 169.758 MeV [59.588 MeV] (A_Ti:267)
47Ti22 + 12 D* --> 58Ni28 + 13C6 + 169.799 MeV [59.629 MeV] (A_Ti:268)

48Ti22 + D* --> 49Ti22 + 1H1 + 5.918 MeV [-0.962 MeV] (A_Ti:269)
48Ti22 + D* --> 50V23 + 13.870 MeV [6.990 MeV] (A_Ti:270)

48Ti22 + 2 D* --> 26Mg12 + 26Mg12 + 10.213 MeV [-3.985 MeV] (A_Ti:271)
48Ti22 + 2 D* --> 30Si14 + 22Ne10 + 10.241 MeV [-3.956 MeV] (A_Ti:272)
48Ti22 + 2 D* --> 34S16 + 18O8 + 8.497 MeV [-5.700 MeV] (A_Ti:273)
48Ti22 + 2 D* --> 36S16 + 16O8 + 13.185 MeV [-1.013 MeV] (A_Ti:274)
48Ti22 + 2 D* --> 37Cl17 + 15N7 + 9.444 MeV [-4.754 MeV] (A_Ti:275)
48Ti22 + 2 D* --> 40Ar18 + 12C6 + 12.824 MeV [-1.374 MeV] (A_Ti:276)
48Ti22 + 2 D* --> 41K19 + 11B5 + 4.675 MeV [-9.523 MeV] (A_Ti:277)
48Ti22 + 2 D* --> 43Ca20 + 9Be4 + 4.845 MeV [-9.353 MeV] (A_Ti:278)
48Ti22 + 2 D* --> 45Sc21 + 7Li3 + 3.943 MeV [-10.254 MeV] (A_Ti:279)
48Ti22 + 2 D* --> 48Ti22 + 4He2 + 23.847 MeV [9.649 MeV] (A_Ti:280)
48Ti22 + 2 D* --> 49Ti22 + 3He2 + 11.411 MeV [-2.786 MeV] (A_Ti:281)
48Ti22 + 2 D* --> 50V23 + 2H1 + 13.870 MeV [-0.328 MeV] (A_Ti:282)
48Ti22 + 2 D* --> 51V23 + 1H1 + 22.696 MeV [8.499 MeV] (A_Ti:283)
48Ti22 + 2 D* --> 52Cr24 + 33.201 MeV [19.003 MeV] (A_Ti:284)

48Ti22 + 3 D* --> 37Cl17 + 17O8 + 23.490 MeV [1.546 MeV] (A_Ti:285)
48Ti22 + 3 D* --> 40Ar18 + 14N7 + 23.096 MeV [1.152 MeV] (A_Ti:286)
48Ti22 + 3 D* --> 41K19 + 13C6 + 23.354 MeV [1.409 MeV] (A_Ti:287)
48Ti22 + 3 D* --> 43Ca20 + 11B5 + 20.660 MeV [-1.284 MeV] (A_Ti:288)
48Ti22 + 3 D* --> 44Ca20 + 10B5 + 20.337 MeV [-1.607 MeV] (A_Ti:289)
48Ti22 + 3 D* --> 45Sc21 + 9Be4 + 20.640 MeV [-1.305 MeV] (A_Ti:290)
48Ti22 + 3 D* --> 47Ti22 + 7Li3 + 20.944 MeV [-1.001 MeV] (A_Ti:291)
48Ti22 + 3 D* --> 48Ti22 + 6Li3 + 25.320 MeV [3.376 MeV] (A_Ti:292)
48Ti22 + 3 D* --> 50V23 + 4He2 + 37.716 MeV [15.772 MeV] (A_Ti:293)
48Ti22 + 3 D* --> 51V23 + 3He2 + 28.190 MeV [6.245 MeV] (A_Ti:294)
48Ti22 + 3 D* --> 52Cr24 + 2H1 + 33.201 MeV [11.256 MeV] (A_Ti:295)
48Ti22 + 3 D* --> 53Cr24 + 1H1 + 38.915 MeV [16.971 MeV] (A_Ti:296)

48Ti22 + 4 D* --> 30Si14 + 26Mg12 + 44.703 MeV [14.592 MeV] (A_Ti:297)
48Ti22 + 4 D* --> 34S16 + 22Ne10 + 42.012 MeV [11.901 MeV] (A_Ti:298)
48Ti22 + 4 D* --> 36S16 + 20Ne10 + 41.761 MeV [11.650 MeV] (A_Ti:299)
48Ti22 + 4 D* --> 37Cl17 + 19F9 + 37.304 MeV [7.193 MeV] (A_Ti:300)
48Ti22 + 4 D* --> 38Ar18 + 18O8 + 39.551 MeV [9.440 MeV] (A_Ti:301)
48Ti22 + 4 D* --> 40Ar18 + 16O8 + 43.832 MeV [13.721 MeV] (A_Ti:302)
48Ti22 + 4 D* --> 41K19 + 15N7 + 39.513 MeV [9.402 MeV] (A_Ti:303)

48Ti22 + 4 D* --> 43Ca20 + 13C6 + 39.339 MeV [9.228 MeV] (A_Ti:304)
48Ti22 + 4 D* --> 44Ca20 + 12C6 + 45.524 MeV [15.413 MeV] (A_Ti:305)
48Ti22 + 4 D* --> 45Sc21 + 11B5 + 36.455 MeV [6.344 MeV] (A_Ti:306)
48Ti22 + 4 D* --> 47Ti22 + 9Be4 + 37.640 MeV [7.529 MeV] (A_Ti:307)
48Ti22 + 4 D* --> 50V23 + 6Li3 + 39.190 MeV [9.079 MeV] (A_Ti:308)
48Ti22 + 4 D* --> 52Cr24 + 4He2 + 57.047 MeV [26.936 MeV] (A_Ti:309)
48Ti22 + 4 D* --> 53Cr24 + 3He2 + 44.409 MeV [14.298 MeV] (A_Ti:310)
48Ti22 + 4 D* --> 55Mn25 + 1H1 + 54.477 MeV [24.366 MeV] (A_Ti:311)
48Ti22 + 4 D* --> 56Fe26 + 64.661 MeV [34.550 MeV] (A_Ti:312)

48Ti22 + 5 D* --> 37Cl17 + 21Ne10 + 54.684 MeV [15.995 MeV] (A_Ti:313)
48Ti22 + 5 D* --> 40K19 + 18O8 + 51.508 MeV [12.819 MeV] (A_Ti:314)
48Ti22 + 5 D* --> 41K19 + 17O8 + 53.559 MeV [14.870 MeV] (A_Ti:315)
48Ti22 + 5 D* --> 43Ca20 + 15N7 + 55.498 MeV [16.809 MeV] (A_Ti:316)
48Ti22 + 5 D* --> 44Ca20 + 14N7 + 55.796 MeV [17.107 MeV] (A_Ti:317)
48Ti22 + 5 D* --> 45Sc21 + 13C6 + 55.134 MeV [16.445 MeV] (A_Ti:318)
48Ti22 + 5 D* --> 47Ti22 + 11B5 + 53.455 MeV [14.766 MeV] (A_Ti:319)
48Ti22 + 5 D* --> 48Ti22 + 10B5 + 53.628 MeV [14.939 MeV] (A_Ti:320)
48Ti22 + 5 D* --> 52Cr24 + 6Li3 + 58.521 MeV [19.832 MeV] (A_Ti:321)
48Ti22 + 5 D* --> 55Mn25 + 3He2 + 59.970 MeV [21.281 MeV] (A_Ti:322)
48Ti22 + 5 D* --> 56Fe26 + 2H1 + 64.661 MeV [25.972 MeV] (A_Ti:323)
48Ti22 + 5 D* --> 57Fe26 + 1H1 + 70.082 MeV [31.393 MeV] (A_Ti:324)

48Ti22 + 6 D* --> 30Si14 + 30Si14 + 79.192 MeV [31.522 MeV] (A_Ti:325)
48Ti22 + 6 D* --> 34S16 + 26Mg12 + 76.473 MeV [28.802 MeV] (A_Ti:326)
48Ti22 + 6 D* --> 36S16 + 24Mg12 + 74.924 MeV [27.254 MeV] (A_Ti:327)
48Ti22 + 6 D* --> 37Cl17 + 23Na11 + 71.618 MeV [23.947 MeV] (A_Ti:328)
48Ti22 + 6 D* --> 38Ar18 + 22Ne10 + 73.066 MeV [25.395 MeV] (A_Ti:329)
48Ti22 + 6 D* --> 40Ar18 + 20Ne10 + 72.408 MeV [24.738 MeV] (A_Ti:330)
48Ti22 + 6 D* --> 41K19 + 19F9 + 67.373 MeV [19.702 MeV] (A_Ti:331)
48Ti22 + 6 D* --> 42Ca20 + 18O8 + 69.655 MeV [21.985 MeV] (A_Ti:332)
48Ti22 + 6 D* --> 43Ca20 + 17O8 + 69.544 MeV [21.873 MeV] (A_Ti:333)
48Ti22 + 6 D* --> 44Ca20 + 16O8 + 76.532 MeV [28.862 MeV] (A_Ti:334)
48Ti22 + 6 D* --> 45Sc21 + 15N7 + 71.293 MeV [23.622 MeV] (A_Ti:335)
48Ti22 + 6 D* --> 47Ti22 + 13C6 + 72.134 MeV [24.463 MeV] (A_Ti:336)
48Ti22 + 6 D* --> 48Ti22 + 12C6 + 78.814 MeV [31.144 MeV] (A_Ti:337)
48Ti22 + 6 D* --> 50V23 + 10B5 + 67.497 MeV [19.827 MeV] (A_Ti:338)
48Ti22 + 6 D* --> 56Fe26 + 4He2 + 88.507 MeV [40.836 MeV] (A_Ti:339)
48Ti22 + 6 D* --> 57Fe26 + 3He2 + 75.576 MeV [27.905 MeV] (A_Ti:340)
48Ti22 + 6 D* --> 59Co27 + 1H1 + 85.266 MeV [37.595 MeV] (A_Ti:341)
48Ti22 + 6 D* --> 60Ni28 + 94.799 MeV [47.128 MeV] (A_Ti:342)

48Ti22 + 7 D* --> 37Cl17 + 25Mg12 + 88.417 MeV [31.368 MeV] (A_Ti:343)
48Ti22 + 7 D* --> 40K19 + 22Ne10 + 85.022 MeV [27.974 MeV] (A_Ti:344)
48Ti22 + 7 D* --> 41K19 + 21Ne10 + 84.753 MeV [27.705 MeV] (A_Ti:345)
48Ti22 + 7 D* --> 43Ca20 + 19F9 + 83.358 MeV [26.310 MeV] (A_Ti:346)
48Ti22 + 7 D* --> 45Sc21 + 17O8 + 85.339 MeV [28.290 MeV] (A_Ti:347)
48Ti22 + 7 D* --> 47Ti22 + 15N7 + 88.293 MeV [31.245 MeV] (A_Ti:348)
48Ti22 + 7 D* --> 48Ti22 + 14N7 + 89.087 MeV [32.038 MeV] (A_Ti:349)
48Ti22 + 7 D* --> 50V23 + 12C6 + 92.684 MeV [35.635 MeV] (A_Ti:350)
48Ti22 + 7 D* --> 52Cr24 + 10B5 + 86.829 MeV [29.780 MeV] (A_Ti:351)
48Ti22 + 7 D* --> 56Fe26 + 6Li3 + 89.981 MeV [32.932 MeV] (A_Ti:352)
48Ti22 + 7 D* --> 59Co27 + 3He2 + 90.760 MeV [33.711 MeV] (A_Ti:353)
48Ti22 + 7 D* --> 60Ni28 + 2H1 + 94.799 MeV [37.750 MeV] (A_Ti:354)

48Ti22 + 7 D* --> 61Ni28 + 1H1 + 100.394 MeV [43.346 MeV] (A_Ti:355)

48Ti22 + 8 D* --> 34S16 + 30Si14 + 110.963 MeV [44.147 MeV] (A_Ti:356)
48Ti22 + 8 D* --> 36S16 + 28Si14 + 108.755 MeV [41.939 MeV] (A_Ti:357)
48Ti22 + 8 D* --> 37Cl17 + 27Al13 + 105.556 MeV [38.740 MeV] (A_Ti:358)
48Ti22 + 8 D* --> 38Ar18 + 26Mg12 + 107.527 MeV [40.711 MeV] (A_Ti:359)
48Ti22 + 8 D* --> 40Ar18 + 24Mg12 + 105.572 MeV [38.756 MeV] (A_Ti:360)
48Ti22 + 8 D* --> 41K19 + 23Na11 + 101.687 MeV [34.871 MeV] (A_Ti:361)
48Ti22 + 8 D* --> 42Ca20 + 22Ne10 + 103.170 MeV [36.354 MeV] (A_Ti:362)
48Ti22 + 8 D* --> 43Ca20 + 21Ne10 + 100.738 MeV [33.922 MeV] (A_Ti:363)
48Ti22 + 8 D* --> 44Ca20 + 20Ne10 + 105.108 MeV [38.292 MeV] (A_Ti:364)
48Ti22 + 8 D* --> 45Sc21 + 19F9 + 99.153 MeV [32.337 MeV] (A_Ti:365)
48Ti22 + 8 D* --> 46Ti22 + 18O8 + 101.503 MeV [34.687 MeV] (A_Ti:366)
48Ti22 + 8 D* --> 47Ti22 + 17O8 + 102.339 MeV [35.523 MeV] (A_Ti:367)
48Ti22 + 8 D* --> 48Ti22 + 16O8 + 109.823 MeV [43.007 MeV] (A_Ti:368)
48Ti22 + 8 D* --> 50V23 + 14N7 + 102.956 MeV [36.140 MeV] (A_Ti:369)
48Ti22 + 8 D* --> 52Cr24 + 12C6 + 112.015 MeV [45.199 MeV] (A_Ti:370)
48Ti22 + 8 D* --> 60Ni28 + 4He2 + 118.645 MeV [51.829 MeV] (A_Ti:371)
48Ti22 + 8 D* --> 61Ni28 + 3He2 + 105.888 MeV [39.072 MeV] (A_Ti:372)
48Ti22 + 8 D* --> 63Cu29 + 1H1 + 114.889 MeV [48.073 MeV] (A_Ti:373)
48Ti22 + 8 D* --> 64Zn30 + 122.602 MeV [55.786 MeV] (A_Ti:374)

48Ti22 + 9 D* --> 37Cl17 + 29Si14 + 123.390 MeV [46.424 MeV] (A_Ti:375)
48Ti22 + 9 D* --> 40K19 + 26Mg12 + 119.484 MeV [42.517 MeV] (A_Ti:376)
48Ti22 + 9 D* --> 41K19 + 25Mg12 + 118.486 MeV [41.519 MeV] (A_Ti:377)
48Ti22 + 9 D* --> 43Ca20 + 23Na11 + 117.672 MeV [40.706 MeV] (A_Ti:378)
48Ti22 + 9 D* --> 45Sc21 + 21Ne10 + 116.533 MeV [39.567 MeV] (A_Ti:379)
48Ti22 + 9 D* --> 47Ti22 + 19F9 + 116.154 MeV [39.187 MeV] (A_Ti:380)
48Ti22 + 9 D* --> 50V23 + 16O8 + 123.692 MeV [46.726 MeV] (A_Ti:381)
48Ti22 + 9 D* --> 52Cr24 + 14N7 + 122.287 MeV [45.321 MeV] (A_Ti:382)
48Ti22 + 9 D* --> 56Fe26 + 10B5 + 118.288 MeV [41.322 MeV] (A_Ti:383)
48Ti22 + 9 D* --> 60Ni28 + 6Li3 + 120.119 MeV [43.153 MeV] (A_Ti:384)
48Ti22 + 9 D* --> 63Cu29 + 3He2 + 120.382 MeV [43.416 MeV] (A_Ti:385)
48Ti22 + 9 D* --> 64Zn30 + 2H1 + 122.602 MeV [45.635 MeV] (A_Ti:386)

48Ti22 + 10 D* --> 34S16 + 34S16 + 142.733 MeV [55.239 MeV] (A_Ti:387)
48Ti22 + 10 D* --> 36S16 + 32S16 + 139.549 MeV [52.055 MeV] (A_Ti:388)
48Ti22 + 10 D* --> 37Cl17 + 31P15 + 139.072 MeV [51.578 MeV] (A_Ti:389)
48Ti22 + 10 D* --> 38Ar18 + 30Si14 + 142.017 MeV [54.523 MeV] (A_Ti:390)
48Ti22 + 10 D* --> 40Ar18 + 28Si14 + 139.402 MeV [51.908 MeV] (A_Ti:391)
48Ti22 + 10 D* --> 41K19 + 27Al13 + 135.625 MeV [48.131 MeV] (A_Ti:392)
48Ti22 + 10 D* --> 42Ca20 + 26Mg12 + 137.631 MeV [50.137 MeV] (A_Ti:393)
48Ti22 + 10 D* --> 43Ca20 + 25Mg12 + 134.471 MeV [46.977 MeV] (A_Ti:394)
48Ti22 + 10 D* --> 44Ca20 + 24Mg12 + 138.272 MeV [50.778 MeV] (A_Ti:395)
48Ti22 + 10 D* --> 45Sc21 + 23Na11 + 133.467 MeV [45.973 MeV] (A_Ti:396)
48Ti22 + 10 D* --> 46Ti22 + 22Ne10 + 135.018 MeV [47.524 MeV] (A_Ti:397)
48Ti22 + 10 D* --> 47Ti22 + 21Ne10 + 133.534 MeV [46.040 MeV] (A_Ti:398)
48Ti22 + 10 D* --> 48Ti22 + 20Ne10 + 138.399 MeV [50.905 MeV] (A_Ti:399)
48Ti22 + 10 D* --> 50Cr24 + 18O8 + 133.911 MeV [46.417 MeV] (A_Ti:400)
48Ti22 + 10 D* --> 52Cr24 + 16O8 + 143.023 MeV [55.530 MeV] (A_Ti:401)
48Ti22 + 10 D* --> 56Fe26 + 12C6 + 143.475 MeV [55.981 MeV] (A_Ti:402)
48Ti22 + 10 D* --> 64Zn30 + 4He2 + 146.448 MeV [58.954 MeV] (A_Ti:403)

48Ti22 + 11 D* --> 37Cl17 + 33S16 + 154.353 MeV [55.960 MeV] (A_Ti:404)

48Ti22 + 11 D* --> 40K19 + 30Si14 + 153.973 MeV [55.581 MeV] (A_Ti:405)
48Ti22 + 11 D* --> 41K19 + 29Si14 + 153.459 MeV [55.067 MeV] (A_Ti:406)
48Ti22 + 11 D* --> 43Ca20 + 27Al13 + 151.611 MeV [53.218 MeV] (A_Ti:407)
48Ti22 + 11 D* --> 45Sc21 + 25Mg12 + 150.266 MeV [51.873 MeV] (A_Ti:408)
48Ti22 + 11 D* --> 47Ti22 + 23Na11 + 150.467 MeV [52.075 MeV] (A_Ti:409)
48Ti22 + 11 D* --> 50V23 + 20Ne10 + 152.269 MeV [53.876 MeV] (A_Ti:410)
48Ti22 + 11 D* --> 56Fe26 + 14N7 + 153.747 MeV [55.355 MeV] (A_Ti:411)
48Ti22 + 11 D* --> 60Ni28 + 10B5 + 148.427 MeV [50.034 MeV] (A_Ti:412)
48Ti22 + 11 D* --> 64Zn30 + 6Li3 + 147.922 MeV [49.529 MeV] (A_Ti:413)

48Ti22 + 12 D* --> 36S16 + 36Ar18 + 170.037 MeV [60.379 MeV] (A_Ti:414)
48Ti22 + 12 D* --> 37Cl17 + 35Cl17 + 169.916 MeV [60.259 MeV] (A_Ti:415)
48Ti22 + 12 D* --> 36Ar18 + 36S16 + 170.037 MeV [60.379 MeV] (A_Ti:416)
48Ti22 + 12 D* --> 38Ar18 + 34S16 + 173.787 MeV [64.130 MeV] (A_Ti:417)
48Ti22 + 12 D* --> 40Ar18 + 32S16 + 170.197 MeV [60.539 MeV] (A_Ti:418)
48Ti22 + 12 D* --> 41K19 + 31P15 + 169.141 MeV [59.484 MeV] (A_Ti:419)
48Ti22 + 12 D* --> 42Ca20 + 30Si14 + 172.121 MeV [62.464 MeV] (A_Ti:420)
48Ti22 + 12 D* --> 43Ca20 + 29Si14 + 169.445 MeV [59.788 MeV] (A_Ti:421)
48Ti22 + 12 D* --> 44Ca20 + 28Si14 + 172.102 MeV [62.445 MeV] (A_Ti:422)
48Ti22 + 12 D* --> 45Sc21 + 27Al13 + 167.405 MeV [57.748 MeV] (A_Ti:423)
48Ti22 + 12 D* --> 46Ti22 + 26Mg12 + 169.479 MeV [59.822 MeV] (A_Ti:424)
48Ti22 + 12 D* --> 47Ti22 + 25Mg12 + 167.266 MeV [57.609 MeV] (A_Ti:425)
48Ti22 + 12 D* --> 48Ti22 + 24Mg12 + 171.562 MeV [61.905 MeV] (A_Ti:426)
48Ti22 + 12 D* --> 50Cr24 + 22Ne10 + 167.425 MeV [57.768 MeV] (A_Ti:427)
48Ti22 + 12 D* --> 52Cr24 + 20Ne10 + 171.600 MeV [61.943 MeV] (A_Ti:428)
48Ti22 + 12 D* --> 54Fe26 + 18O8 + 166.175 MeV [56.518 MeV] (A_Ti:429)
48Ti22 + 12 D* --> 56Fe26 + 16O8 + 174.483 MeV [64.826 MeV] (A_Ti:430)
48Ti22 + 12 D* --> 60Ni28 + 12C6 + 173.613 MeV [63.956 MeV] (A_Ti:431)

49Ti22 + D* --> 50Ti22 + 1H1 + 8.715 MeV [1.880 MeV] (A_Ti:432)
49Ti22 + D* --> 51V23 + 16.778 MeV [9.944 MeV] (A_Ti:433)

49Ti22 + 2 D* --> 36S16 + 17O8 + 9.186 MeV [-4.922 MeV] (A_Ti:434)
49Ti22 + 2 D* --> 40Ar18 + 13C6 + 9.628 MeV [-4.480 MeV] (A_Ti:435)
49Ti22 + 2 D* --> 44Ca20 + 9Be4 + 7.833 MeV [-6.274 MeV] (A_Ti:436)
49Ti22 + 2 D* --> 49Ti22 + 4He2 + 23.847 MeV [9.739 MeV] (A_Ti:437)
49Ti22 + 2 D* --> 50Ti22 + 3He2 + 14.208 MeV [00.101 MeV] (A_Ti:438)
49Ti22 + 2 D* --> 51V23 + 2H1 + 16.778 MeV [2.671 MeV] (A_Ti:439)
49Ti22 + 2 D* --> 53Cr24 + 32.997 MeV [18.890 MeV] (A_Ti:440)

49Ti22 + 3 D* --> 36S16 + 19F9 + 23.000 MeV [1.189 MeV] (A_Ti:441)
49Ti22 + 3 D* --> 37Cl17 + 18O8 + 23.391 MeV [1.581 MeV] (A_Ti:442)
49Ti22 + 3 D* --> 40Ar18 + 15N7 + 25.787 MeV [3.976 MeV] (A_Ti:443)
49Ti22 + 3 D* --> 44Ca20 + 11B5 + 23.649 MeV [1.838 MeV] (A_Ti:444)
49Ti22 + 3 D* --> 48Ti22 + 7Li3 + 24.428 MeV [2.618 MeV] (A_Ti:445)
49Ti22 + 3 D* --> 49Ti22 + 6Li3 + 25.320 MeV [3.510 MeV] (A_Ti:446)
49Ti22 + 3 D* --> 51V23 + 4He2 + 40.625 MeV [18.814 MeV] (A_Ti:447)
49Ti22 + 3 D* --> 53Cr24 + 2H1 + 32.997 MeV [11.187 MeV] (A_Ti:448)
49Ti22 + 3 D* --> 54Cr24 + 1H1 + 40.492 MeV [18.682 MeV] (A_Ti:449)
49Ti22 + 3 D* --> 55Mn25 + 48.559 MeV [26.749 MeV] (A_Ti:450)

49Ti22 + 4 D* --> 36S16 + 21Ne10 + 40.380 MeV [10.446 MeV] (A_Ti:451)
49Ti22 + 4 D* --> 40Ar18 + 17O8 + 39.833 MeV [9.899 MeV] (A_Ti:452)
49Ti22 + 4 D* --> 44Ca20 + 13C6 + 42.328 MeV [12.394 MeV] (A_Ti:453)

49Ti22 + 4 D* --> 48Ti22 + 9Be4 + 41.124 MeV [11.190 MeV] (A_Ti:454)
49Ti22 + 4 D* --> 50V23 + 7Li3 + 38.298 MeV [8.364 MeV] (A_Ti:455)
49Ti22 + 4 D* --> 51V23 + 6Li3 + 42.099 MeV [12.165 MeV] (A_Ti:456)
49Ti22 + 4 D* --> 53Cr24 + 4He2 + 56.844 MeV [26.910 MeV] (A_Ti:457)
49Ti22 + 4 D* --> 54Cr24 + 3He2 + 45.985 MeV [16.052 MeV] (A_Ti:458)
49Ti22 + 4 D* --> 55Mn25 + 2H1 + 48.559 MeV [18.625 MeV] (A_Ti:459)
49Ti22 + 4 D* --> 57Fe26 + 64.164 MeV [34.230 MeV] (A_Ti:460)

49Ti22 + 5 D* --> 36S16 + 23Na11 + 57.314 MeV [18.845 MeV] (A_Ti:461)
49Ti22 + 5 D* --> 37Cl17 + 22Ne10 + 56.906 MeV [18.437 MeV] (A_Ti:462)
49Ti22 + 5 D* --> 40Ar18 + 19F9 + 53.647 MeV [15.178 MeV] (A_Ti:463)
49Ti22 + 5 D* --> 41K19 + 18O8 + 53.460 MeV [14.991 MeV] (A_Ti:464)
49Ti22 + 5 D* --> 44Ca20 + 15N7 + 58.487 MeV [20.018 MeV] (A_Ti:465)
49Ti22 + 5 D* --> 48Ti22 + 11B5 + 56.940 MeV [18.471 MeV] (A_Ti:466)
49Ti22 + 5 D* --> 49Ti22 + 10B5 + 53.628 MeV [15.159 MeV] (A_Ti:467)
49Ti22 + 5 D* --> 50V23 + 9Be4 + 54.994 MeV [16.525 MeV] (A_Ti:468)
49Ti22 + 5 D* --> 52Cr24 + 7Li3 + 57.629 MeV [19.160 MeV] (A_Ti:469)
49Ti22 + 5 D* --> 53Cr24 + 6Li3 + 58.318 MeV [19.849 MeV] (A_Ti:470)
49Ti22 + 5 D* --> 55Mn25 + 4He2 + 72.405 MeV [33.936 MeV] (A_Ti:471)
49Ti22 + 5 D* --> 57Fe26 + 2H1 + 64.164 MeV [25.695 MeV] (A_Ti:472)
49Ti22 + 5 D* --> 58Fe26 + 1H1 + 71.984 MeV [33.515 MeV] (A_Ti:473)
49Ti22 + 5 D* --> 59Co27 + 79.348 MeV [40.879 MeV] (A_Ti:474)

49Ti22 + 6 D* --> 36S16 + 25Mg12 + 74.112 MeV [26.704 MeV] (A_Ti:475)
49Ti22 + 6 D* --> 40Ar18 + 21Ne10 + 71.027 MeV [23.619 MeV] (A_Ti:476)
49Ti22 + 6 D* --> 43Ca20 + 18O8 + 69.446 MeV [22.037 MeV] (A_Ti:477)
49Ti22 + 6 D* --> 44Ca20 + 17O8 + 72.533 MeV [25.124 MeV] (A_Ti:478)
49Ti22 + 6 D* --> 48Ti22 + 13C6 + 75.618 MeV [28.210 MeV] (A_Ti:479)
49Ti22 + 6 D* --> 49Ti22 + 12C6 + 78.814 MeV [31.406 MeV] (A_Ti:480)
49Ti22 + 6 D* --> 50V23 + 11B5 + 70.809 MeV [23.401 MeV] (A_Ti:481)
49Ti22 + 6 D* --> 51V23 + 10B5 + 70.406 MeV [22.998 MeV] (A_Ti:482)
49Ti22 + 6 D* --> 52Cr24 + 9Be4 + 74.325 MeV [26.916 MeV] (A_Ti:483)
49Ti22 + 6 D* --> 55Mn25 + 6Li3 + 73.879 MeV [26.471 MeV] (A_Ti:484)
49Ti22 + 6 D* --> 57Fe26 + 4He2 + 88.011 MeV [40.602 MeV] (A_Ti:485)
49Ti22 + 6 D* --> 58Fe26 + 3He2 + 77.478 MeV [30.069 MeV] (A_Ti:486)
49Ti22 + 6 D* --> 59Co27 + 2H1 + 79.348 MeV [31.940 MeV] (A_Ti:487)
49Ti22 + 6 D* --> 61Ni28 + 94.476 MeV [47.068 MeV] (A_Ti:488)

49Ti22 + 7 D* --> 36S16 + 27Al13 + 91.252 MeV [34.507 MeV] (A_Ti:489)
49Ti22 + 7 D* --> 37Cl17 + 26Mg12 + 91.367 MeV [34.622 MeV] (A_Ti:490)
49Ti22 + 7 D* --> 40Ar18 + 23Na11 + 87.961 MeV [31.216 MeV] (A_Ti:491)
49Ti22 + 7 D* --> 41K19 + 22Ne10 + 86.975 MeV [30.230 MeV] (A_Ti:492)
49Ti22 + 7 D* --> 44Ca20 + 19F9 + 86.347 MeV [29.602 MeV] (A_Ti:493)
49Ti22 + 7 D* --> 45Sc21 + 18O8 + 85.241 MeV [28.495 MeV] (A_Ti:494)
49Ti22 + 7 D* --> 48Ti22 + 15N7 + 91.778 MeV [35.032 MeV] (A_Ti:495)
49Ti22 + 7 D* --> 49Ti22 + 14N7 + 89.087 MeV [32.342 MeV] (A_Ti:496)
49Ti22 + 7 D* --> 50V23 + 13C6 + 89.488 MeV [32.743 MeV] (A_Ti:497)
49Ti22 + 7 D* --> 51V23 + 12C6 + 95.593 MeV [38.848 MeV] (A_Ti:498)
49Ti22 + 7 D* --> 52Cr24 + 11B5 + 90.140 MeV [33.395 MeV] (A_Ti:499)
49Ti22 + 7 D* --> 53Cr24 + 10B5 + 86.625 MeV [29.880 MeV] (A_Ti:500)
49Ti22 + 7 D* --> 56Fe26 + 7Li3 + 89.088 MeV [32.343 MeV] (A_Ti:501)
49Ti22 + 7 D* --> 57Fe26 + 6Li3 + 89.485 MeV [32.739 MeV] (A_Ti:502)
49Ti22 + 7 D* --> 59Co27 + 4He2 + 103.195 MeV [46.450 MeV] (A_Ti:503)
49Ti22 + 7 D* --> 61Ni28 + 2H1 + 94.476 MeV [37.731 MeV] (A_Ti:504)

49Ti22 + 7 D* --> 62Ni28 + 1H1 + 102.848 MeV [46.103 MeV] (A_Ti:505)
49Ti22 + 7 D* --> 63Cu29 + 108.971 MeV [52.226 MeV] (A_Ti:506)

49Ti22 + 8 D* --> 36S16 + 29Si14 + 109.086 MeV [42.615 MeV] (A_Ti:507)
49Ti22 + 8 D* --> 40Ar18 + 25Mg12 + 104.760 MeV [38.288 MeV] (A_Ti:508)
49Ti22 + 8 D* --> 43Ca20 + 22Ne10 + 102.960 MeV [36.489 MeV] (A_Ti:509)
49Ti22 + 8 D* --> 44Ca20 + 21Ne10 + 103.727 MeV [37.256 MeV] (A_Ti:510)
49Ti22 + 8 D* --> 47Ti22 + 18O8 + 102.241 MeV [35.769 MeV] (A_Ti:511)
49Ti22 + 8 D* --> 48Ti22 + 17O8 + 105.824 MeV [39.352 MeV] (A_Ti:512)
49Ti22 + 8 D* --> 49Ti22 + 16O8 + 109.823 MeV [43.351 MeV] (A_Ti:513)
49Ti22 + 8 D* --> 50V23 + 15N7 + 105.647 MeV [39.176 MeV] (A_Ti:514)
49Ti22 + 8 D* --> 51V23 + 14N7 + 105.865 MeV [39.393 MeV] (A_Ti:515)
49Ti22 + 8 D* --> 52Cr24 + 13C6 + 108.819 MeV [42.347 MeV] (A_Ti:516)
49Ti22 + 8 D* --> 53Cr24 + 12C6 + 111.812 MeV [45.340 MeV] (A_Ti:517)
49Ti22 + 8 D* --> 55Mn25 + 10B5 + 102.187 MeV [35.715 MeV] (A_Ti:518)
49Ti22 + 8 D* --> 56Fe26 + 9Be4 + 105.785 MeV [39.313 MeV] (A_Ti:519)
49Ti22 + 8 D* --> 59Co27 + 6Li3 + 104.669 MeV [38.197 MeV] (A_Ti:520)
49Ti22 + 8 D* --> 61Ni28 + 4He2 + 118.323 MeV [51.851 MeV] (A_Ti:521)
49Ti22 + 8 D* --> 62Ni28 + 3He2 + 108.342 MeV [41.870 MeV] (A_Ti:522)
49Ti22 + 8 D* --> 63Cu29 + 2H1 + 108.971 MeV [42.499 MeV] (A_Ti:523)

49Ti22 + 9 D* --> 36S16 + 31P15 + 124.768 MeV [48.186 MeV] (A_Ti:524)
49Ti22 + 9 D* --> 37Cl17 + 30Si14 + 125.857 MeV [49.276 MeV] (A_Ti:525)
49Ti22 + 9 D* --> 40Ar18 + 27Al13 + 121.899 MeV [45.318 MeV] (A_Ti:526)
49Ti22 + 9 D* --> 41K19 + 26Mg12 + 121.436 MeV [44.855 MeV] (A_Ti:527)
49Ti22 + 9 D* --> 44Ca20 + 23Na11 + 120.661 MeV [44.079 MeV] (A_Ti:528)
49Ti22 + 9 D* --> 45Sc21 + 22Ne10 + 118.755 MeV [42.174 MeV] (A_Ti:529)
49Ti22 + 9 D* --> 48Ti22 + 19F9 + 119.638 MeV [43.056 MeV] (A_Ti:530)
49Ti22 + 9 D* --> 50V23 + 17O8 + 119.693 MeV [43.111 MeV] (A_Ti:531)
49Ti22 + 9 D* --> 51V23 + 16O8 + 126.601 MeV [50.019 MeV] (A_Ti:532)
49Ti22 + 9 D* --> 52Cr24 + 15N7 + 124.978 MeV [48.397 MeV] (A_Ti:533)
49Ti22 + 9 D* --> 53Cr24 + 14N7 + 122.084 MeV [45.502 MeV] (A_Ti:534)
49Ti22 + 9 D* --> 55Mn25 + 12C6 + 127.373 MeV [50.792 MeV] (A_Ti:535)
49Ti22 + 9 D* --> 56Fe26 + 11B5 + 121.600 MeV [45.018 MeV] (A_Ti:536)
49Ti22 + 9 D* --> 57Fe26 + 10B5 + 117.792 MeV [41.210 MeV] (A_Ti:537)
49Ti22 + 9 D* --> 60Ni28 + 7Li3 + 119.227 MeV [42.645 MeV] (A_Ti:538)
49Ti22 + 9 D* --> 61Ni28 + 6Li3 + 119.797 MeV [43.215 MeV] (A_Ti:539)
49Ti22 + 9 D* --> 63Cu29 + 4He2 + 132.817 MeV [56.236 MeV] (A_Ti:540)
49Ti22 + 9 D* --> 66Zn30 + 1H1 + 131.273 MeV [54.692 MeV] (A_Ti:541)

49Ti22 + 10 D* --> 36S16 + 33S16 + 140.048 MeV [52.979 MeV] (A_Ti:542)
49Ti22 + 10 D* --> 40Ar18 + 29Si14 + 139.733 MeV [52.664 MeV] (A_Ti:543)
49Ti22 + 10 D* --> 43Ca20 + 26Mg12 + 137.422 MeV [50.352 MeV] (A_Ti:544)
49Ti22 + 10 D* --> 44Ca20 + 25Mg12 + 137.460 MeV [50.391 MeV] (A_Ti:545)
49Ti22 + 10 D* --> 47Ti22 + 22Ne10 + 135.756 MeV [48.686 MeV] (A_Ti:546)
49Ti22 + 10 D* --> 48Ti22 + 21Ne10 + 137.018 MeV [49.949 MeV] (A_Ti:547)
49Ti22 + 10 D* --> 49Ti22 + 20Ne10 + 138.399 MeV [51.330 MeV] (A_Ti:548)
49Ti22 + 10 D* --> 50V23 + 19F9 + 133.507 MeV [46.438 MeV] (A_Ti:549)
49Ti22 + 10 D* --> 52Cr24 + 17O8 + 139.024 MeV [51.955 MeV] (A_Ti:550)
49Ti22 + 10 D* --> 53Cr24 + 16O8 + 142.820 MeV [55.751 MeV] (A_Ti:551)
49Ti22 + 10 D* --> 55Mn25 + 14N7 + 137.646 MeV [50.576 MeV] (A_Ti:552)
49Ti22 + 10 D* --> 56Fe26 + 13C6 + 140.279 MeV [53.210 MeV] (A_Ti:553)
49Ti22 + 10 D* --> 57Fe26 + 12C6 + 142.979 MeV [55.909 MeV] (A_Ti:554)
49Ti22 + 10 D* --> 59Co27 + 10B5 + 132.976 MeV [45.907 MeV] (A_Ti:555)

49Ti22 + 10 D* --> 60Ni28 + 9Be4 + 135.923 MeV [48.854 MeV] (A_Ti:556)
49Ti22 + 10 D* --> 63Cu29 + 6Li3 + 134.291 MeV [47.222 MeV] (A_Ti:557)
49Ti22 + 10 D* --> 66Zn30 + 3He2 + 136.767 MeV [49.697 MeV] (A_Ti:558)

49Ti22 + 11 D* --> 36S16 + 35Cl17 + 155.612 MeV [57.683 MeV] (A_Ti:559)
49Ti22 + 11 D* --> 37Cl17 + 34S16 + 157.627 MeV [59.699 MeV] (A_Ti:560)
49Ti22 + 11 D* --> 40Ar18 + 31P15 + 155.415 MeV [57.486 MeV] (A_Ti:561)
49Ti22 + 11 D* --> 41K19 + 30Si14 + 155.926 MeV [57.998 MeV] (A_Ti:562)
49Ti22 + 11 D* --> 44Ca20 + 27Al13 + 154.599 MeV [56.671 MeV] (A_Ti:563)
49Ti22 + 11 D* --> 45Sc21 + 26Mg12 + 153.217 MeV [55.288 MeV] (A_Ti:564)
49Ti22 + 11 D* --> 48Ti22 + 23Na11 + 153.952 MeV [56.023 MeV] (A_Ti:565)
49Ti22 + 11 D* --> 50V23 + 21Ne10 + 150.887 MeV [52.959 MeV] (A_Ti:566)
49Ti22 + 11 D* --> 51V23 + 20Ne10 + 155.177 MeV [57.249 MeV] (A_Ti:567)
49Ti22 + 11 D* --> 52Cr24 + 19F9 + 152.838 MeV [54.910 MeV] (A_Ti:568)
49Ti22 + 11 D* --> 55Mn25 + 16O8 + 158.382 MeV [60.453 MeV] (A_Ti:569)
49Ti22 + 11 D* --> 56Fe26 + 15N7 + 156.438 MeV [58.510 MeV] (A_Ti:570)
49Ti22 + 11 D* --> 57Fe26 + 14N7 + 153.251 MeV [55.322 MeV] (A_Ti:571)
49Ti22 + 11 D* --> 59Co27 + 12C6 + 158.163 MeV [60.234 MeV] (A_Ti:572)
49Ti22 + 11 D* --> 60Ni28 + 11B5 + 151.738 MeV [53.810 MeV] (A_Ti:573)
49Ti22 + 11 D* --> 61Ni28 + 10B5 + 148.104 MeV [50.176 MeV] (A_Ti:574)
49Ti22 + 11 D* --> 64Zn30 + 7Li3 + 147.030 MeV [49.101 MeV] (A_Ti:575)
49Ti22 + 11 D* --> 70Ge32 + 1H1 + 159.208 MeV [61.280 MeV] (A_Ti:576)

49Ti22 + 12 D* --> 40Ar18 + 33S16 + 170.696 MeV [61.542 MeV] (A_Ti:577)
49Ti22 + 12 D* --> 43Ca20 + 30Si14 + 171.911 MeV [62.757 MeV] (A_Ti:578)
49Ti22 + 12 D* --> 44Ca20 + 29Si14 + 172.433 MeV [63.279 MeV] (A_Ti:579)
49Ti22 + 12 D* --> 47Ti22 + 26Mg12 + 170.217 MeV [61.063 MeV] (A_Ti:580)
49Ti22 + 12 D* --> 48Ti22 + 25Mg12 + 170.750 MeV [61.596 MeV] (A_Ti:581)
49Ti22 + 12 D* --> 49Ti22 + 24Mg12 + 171.562 MeV [62.408 MeV] (A_Ti:582)
49Ti22 + 12 D* --> 50V23 + 23Na11 + 167.821 MeV [58.667 MeV] (A_Ti:583)
49Ti22 + 12 D* --> 52Cr24 + 21Ne10 + 170.219 MeV [61.064 MeV] (A_Ti:584)
49Ti22 + 12 D* --> 53Cr24 + 20Ne10 + 171.397 MeV [62.242 MeV] (A_Ti:585)
49Ti22 + 12 D* --> 56Fe26 + 17O8 + 170.484 MeV [61.330 MeV] (A_Ti:586)
49Ti22 + 12 D* --> 57Fe26 + 16O8 + 173.987 MeV [64.833 MeV] (A_Ti:587)
49Ti22 + 12 D* --> 59Co27 + 14N7 + 168.435 MeV [59.281 MeV] (A_Ti:588)
49Ti22 + 12 D* --> 60Ni28 + 13C6 + 170.417 MeV [61.263 MeV] (A_Ti:589)
49Ti22 + 12 D* --> 61Ni28 + 12C6 + 173.291 MeV [64.137 MeV] (A_Ti:590)
49Ti22 + 12 D* --> 63Cu29 + 10B5 + 162.599 MeV [53.445 MeV] (A_Ti:591)
49Ti22 + 12 D* --> 64Zn30 + 9Be4 + 163.726 MeV [54.572 MeV] (A_Ti:592)
49Ti22 + 12 D* --> 70Ge32 + 3He2 + 164.702 MeV [55.548 MeV] (A_Ti:593)

50Ti22 + 2 D* --> 36S16 + 18O8 + 6.290 MeV [-7.730 MeV] (A_Ti:594)
50Ti22 + 2 D* --> 50Ti22 + 4He2 + 23.847 MeV [9.827 MeV] (A_Ti:595)
50Ti22 + 2 D* --> 54Cr24 + 31.777 MeV [17.757 MeV] (A_Ti:596)

50Ti22 + 3 D* --> 46Ca20 + 10B5 + 19.065 MeV [-2.615 MeV] (A_Ti:597)
50Ti22 + 3 D* --> 49Ti22 + 7Li3 + 21.631 MeV [-0.049 MeV] (A_Ti:598)
50Ti22 + 3 D* --> 50Ti22 + 6Li3 + 25.320 MeV [3.641 MeV] (A_Ti:599)
50Ti22 + 3 D* --> 54Cr24 + 2H1 + 31.777 MeV [10.097 MeV] (A_Ti:600)

50Ti22 + 4 D* --> 36S16 + 22Ne10 + 39.805 MeV [10.044 MeV] (A_Ti:601)
50Ti22 + 4 D* --> 40Ar18 + 18O8 + 36.938 MeV [7.177 MeV] (A_Ti:602)
50Ti22 + 4 D* --> 46Ca20 + 12C6 + 44.251 MeV [14.491 MeV] (A_Ti:603)

50Ti22 + 4 D* --> 49Ti22 + 9Be4 + 38.327 MeV [8.567 MeV] (A_Ti:604)
50Ti22 + 4 D* --> 51V23 + 7Li3 + 38.409 MeV [8.649 MeV] (A_Ti:605)
50Ti22 + 4 D* --> 54Cr24 + 4He2 + 55.624 MeV [25.863 MeV] (A_Ti:606)
50Ti22 + 4 D* --> 58Fe26 + 63.270 MeV [33.509 MeV] (A_Ti:607)

50Ti22 + 5 D* --> 46Ca20 + 14N7 + 54.524 MeV [16.269 MeV] (A_Ti:608)
50Ti22 + 5 D* --> 49Ti22 + 11B5 + 54.143 MeV [15.889 MeV] (A_Ti:609)
50Ti22 + 5 D* --> 50Ti22 + 10B5 + 53.628 MeV [15.374 MeV] (A_Ti:610)
50Ti22 + 5 D* --> 51V23 + 9Be4 + 55.106 MeV [16.852 MeV] (A_Ti:611)
50Ti22 + 5 D* --> 53Cr24 + 7Li3 + 54.629 MeV [16.374 MeV] (A_Ti:612)
50Ti22 + 5 D* --> 54Cr24 + 6Li3 + 57.098 MeV [18.844 MeV] (A_Ti:613)
50Ti22 + 5 D* --> 58Fe26 + 2H1 + 63.270 MeV [25.015 MeV] (A_Ti:614)

50Ti22 + 6 D* --> 36S16 + 26Mg12 + 74.266 MeV [27.114 MeV] (A_Ti:615)
50Ti22 + 6 D* --> 40Ar18 + 22Ne10 + 70.452 MeV [23.300 MeV] (A_Ti:616)
50Ti22 + 6 D* --> 44Ca20 + 18O8 + 69.638 MeV [22.485 MeV] (A_Ti:617)
50Ti22 + 6 D* --> 46Ca20 + 16O8 + 75.260 MeV [28.107 MeV] (A_Ti:618)
50Ti22 + 6 D* --> 49Ti22 + 13C6 + 72.821 MeV [25.669 MeV] (A_Ti:619)
50Ti22 + 6 D* --> 50Ti22 + 12C6 + 78.814 MeV [31.662 MeV] (A_Ti:620)
50Ti22 + 6 D* --> 51V23 + 11B5 + 70.921 MeV [23.769 MeV] (A_Ti:621)
50Ti22 + 6 D* --> 53Cr24 + 9Be4 + 71.325 MeV [24.172 MeV] (A_Ti:622)
50Ti22 + 6 D* --> 55Mn25 + 7Li3 + 70.190 MeV [23.038 MeV] (A_Ti:623)
50Ti22 + 6 D* --> 58Fe26 + 4He2 + 87.116 MeV [39.964 MeV] (A_Ti:624)
50Ti22 + 6 D* --> 62Ni28 + 94.134 MeV [46.981 MeV] (A_Ti:625)

50Ti22 + 7 D* --> 49Ti22 + 15N7 + 88.981 MeV [32.533 MeV] (A_Ti:626)
50Ti22 + 7 D* --> 50Ti22 + 14N7 + 89.087 MeV [32.639 MeV] (A_Ti:627)
50Ti22 + 7 D* --> 51V23 + 13C6 + 89.600 MeV [33.152 MeV] (A_Ti:628)
50Ti22 + 7 D* --> 53Cr24 + 11B5 + 87.140 MeV [30.692 MeV] (A_Ti:629)
50Ti22 + 7 D* --> 54Cr24 + 10B5 + 85.405 MeV [28.957 MeV] (A_Ti:630)
50Ti22 + 7 D* --> 55Mn25 + 9Be4 + 86.886 MeV [30.438 MeV] (A_Ti:631)
50Ti22 + 7 D* --> 57Fe26 + 7Li3 + 85.795 MeV [29.347 MeV] (A_Ti:632)
50Ti22 + 7 D* --> 58Fe26 + 6Li3 + 88.590 MeV [32.142 MeV] (A_Ti:633)
50Ti22 + 7 D* --> 62Ni28 + 2H1 + 94.134 MeV [37.686 MeV] (A_Ti:634)

50Ti22 + 8 D* --> 36S16 + 30Si14 + 108.756 MeV [42.622 MeV] (A_Ti:635)
50Ti22 + 8 D* --> 40Ar18 + 26Mg12 + 104.914 MeV [38.779 MeV] (A_Ti:636)
50Ti22 + 8 D* --> 44Ca20 + 22Ne10 + 103.152 MeV [37.018 MeV] (A_Ti:637)
50Ti22 + 8 D* --> 46Ca20 + 20Ne10 + 103.836 MeV [37.702 MeV] (A_Ti:638)
50Ti22 + 8 D* --> 48Ti22 + 18O8 + 102.928 MeV [36.794 MeV] (A_Ti:639)
50Ti22 + 8 D* --> 49Ti22 + 17O8 + 103.027 MeV [36.893 MeV] (A_Ti:640)
50Ti22 + 8 D* --> 50Ti22 + 16O8 + 109.823 MeV [43.689 MeV] (A_Ti:641)
50Ti22 + 8 D* --> 51V23 + 15N7 + 105.759 MeV [39.625 MeV] (A_Ti:642)
50Ti22 + 8 D* --> 53Cr24 + 13C6 + 105.819 MeV [39.685 MeV] (A_Ti:643)
50Ti22 + 8 D* --> 54Cr24 + 12C6 + 110.592 MeV [44.457 MeV] (A_Ti:644)
50Ti22 + 8 D* --> 55Mn25 + 11B5 + 102.702 MeV [36.568 MeV] (A_Ti:645)
50Ti22 + 8 D* --> 57Fe26 + 9Be4 + 102.492 MeV [36.357 MeV] (A_Ti:646)
50Ti22 + 8 D* --> 59Co27 + 7Li3 + 100.979 MeV [34.845 MeV] (A_Ti:647)
50Ti22 + 8 D* --> 62Ni28 + 4He2 + 117.980 MeV [51.846 MeV] (A_Ti:648)
50Ti22 + 8 D* --> 65Cu29 + 1H1 + 113.634 MeV [47.500 MeV] (A_Ti:649)
50Ti22 + 8 D* --> 66Zn30 + 122.559 MeV [56.424 MeV] (A_Ti:650)

50Ti22 + 9 D* --> 49Ti22 + 19F9 + 116.841 MeV [40.637 MeV] (A_Ti:651)
50Ti22 + 9 D* --> 50V23 + 18O8 + 116.798 MeV [40.594 MeV] (A_Ti:652)

50Ti22 + 9 D* --> 51V23 + 17O8 + 119.805 MeV [43.601 MeV] (A_Ti:653)
50Ti22 + 9 D* --> 53Cr24 + 15N7 + 121.978 MeV [45.774 MeV] (A_Ti:654)
50Ti22 + 9 D* --> 54Cr24 + 14N7 + 120.864 MeV [44.660 MeV] (A_Ti:655)
50Ti22 + 9 D* --> 55Mn25 + 13C6 + 121.380 MeV [45.176 MeV] (A_Ti:656)
50Ti22 + 9 D* --> 57Fe26 + 11B5 + 118.307 MeV [42.103 MeV] (A_Ti:657)
50Ti22 + 9 D* --> 58Fe26 + 10B5 + 116.898 MeV [40.693 MeV] (A_Ti:658)
50Ti22 + 9 D* --> 59Co27 + 9Be4 + 117.676 MeV [41.471 MeV] (A_Ti:659)
50Ti22 + 9 D* --> 61Ni28 + 7Li3 + 116.108 MeV [39.903 MeV] (A_Ti:660)
50Ti22 + 9 D* --> 62Ni28 + 6Li3 + 119.454 MeV [43.250 MeV] (A_Ti:661)
50Ti22 + 9 D* --> 65Cu29 + 3He2 + 119.127 MeV [42.923 MeV] (A_Ti:662)
50Ti22 + 9 D* --> 66Zn30 + 2H1 + 122.559 MeV [46.354 MeV] (A_Ti:663)
50Ti22 + 9 D* --> 67Zn30 + 1H1 + 127.386 MeV [51.182 MeV] (A_Ti:664)

50Ti22 + 10 D* --> 36S16 + 34S16 + 140.526 MeV [53.874 MeV] (A_Ti:665)
50Ti22 + 10 D* --> 40Ar18 + 30Si14 + 139.403 MeV [52.751 MeV] (A_Ti:666)
50Ti22 + 10 D* --> 44Ca20 + 26Mg12 + 137.614 MeV [50.961 MeV] (A_Ti:667)
50Ti22 + 10 D* --> 46Ca20 + 24Mg12 + 136.999 MeV [50.347 MeV] (A_Ti:668)
50Ti22 + 10 D* --> 48Ti22 + 22Ne10 + 136.443 MeV [49.790 MeV] (A_Ti:669)
50Ti22 + 10 D* --> 49Ti22 + 21Ne10 + 134.221 MeV [47.569 MeV] (A_Ti:670)
50Ti22 + 10 D* --> 50Ti22 + 20Ne10 + 138.399 MeV [51.747 MeV] (A_Ti:671)
50Ti22 + 10 D* --> 51V23 + 19F9 + 133.619 MeV [46.967 MeV] (A_Ti:672)
50Ti22 + 10 D* --> 52Cr24 + 18O8 + 136.129 MeV [49.476 MeV] (A_Ti:673)
50Ti22 + 10 D* --> 53Cr24 + 17O8 + 136.024 MeV [49.372 MeV] (A_Ti:674)
50Ti22 + 10 D* --> 54Cr24 + 16O8 + 141.600 MeV [54.948 MeV] (A_Ti:675)
50Ti22 + 10 D* --> 55Mn25 + 15N7 + 137.540 MeV [50.887 MeV] (A_Ti:676)
50Ti22 + 10 D* --> 57Fe26 + 13C6 + 136.986 MeV [50.333 MeV] (A_Ti:677)
50Ti22 + 10 D* --> 58Fe26 + 12C6 + 142.084 MeV [55.431 MeV] (A_Ti:678)
50Ti22 + 10 D* --> 59Co27 + 11B5 + 133.491 MeV [46.838 MeV] (A_Ti:679)
50Ti22 + 10 D* --> 61Ni28 + 9Be4 + 132.804 MeV [46.151 MeV] (A_Ti:680)
50Ti22 + 10 D* --> 63Cu29 + 7Li3 + 130.602 MeV [43.949 MeV] (A_Ti:681)
50Ti22 + 10 D* --> 66Zn30 + 4He2 + 146.405 MeV [59.752 MeV] (A_Ti:682)
50Ti22 + 10 D* --> 67Zn30 + 3He2 + 132.880 MeV [46.227 MeV] (A_Ti:683)
50Ti22 + 10 D* --> 69Ga31 + 1H1 + 141.969 MeV [55.317 MeV] (A_Ti:684)
50Ti22 + 10 D* --> 70Ge32 + 150.494 MeV [63.841 MeV] (A_Ti:685)

50Ti22 + 11 D* --> 49Ti22 + 23Na11 + 151.155 MeV [53.682 MeV] (A_Ti:686)
50Ti22 + 11 D* --> 50V23 + 22Ne10 + 150.313 MeV [52.840 MeV] (A_Ti:687)
50Ti22 + 11 D* --> 51V23 + 21Ne10 + 150.999 MeV [53.526 MeV] (A_Ti:688)
50Ti22 + 11 D* --> 53Cr24 + 19F9 + 149.838 MeV [52.365 MeV] (A_Ti:689)
50Ti22 + 11 D* --> 55Mn25 + 17O8 + 151.586 MeV [54.113 MeV] (A_Ti:690)
50Ti22 + 11 D* --> 57Fe26 + 15N7 + 153.145 MeV [55.672 MeV] (A_Ti:691)
50Ti22 + 11 D* --> 58Fe26 + 14N7 + 152.356 MeV [54.883 MeV] (A_Ti:692)
50Ti22 + 11 D* --> 59Co27 + 13C6 + 152.170 MeV [54.697 MeV] (A_Ti:693)
50Ti22 + 11 D* --> 61Ni28 + 11B5 + 148.619 MeV [51.146 MeV] (A_Ti:694)
50Ti22 + 11 D* --> 62Ni28 + 10B5 + 147.762 MeV [50.289 MeV] (A_Ti:695)
50Ti22 + 11 D* --> 63Cu29 + 9Be4 + 147.298 MeV [49.825 MeV] (A_Ti:696)
50Ti22 + 11 D* --> 66Zn30 + 6Li3 + 147.879 MeV [50.406 MeV] (A_Ti:697)
50Ti22 + 11 D* --> 69Ga31 + 3He2 + 147.463 MeV [49.990 MeV] (A_Ti:698)
50Ti22 + 11 D* --> 70Ge32 + 2H1 + 150.494 MeV [53.021 MeV] (A_Ti:699)

50Ti22 + 12 D* --> 37Cl17 + 37Cl17 + 169.725 MeV [61.065 MeV] (A_Ti:700)
50Ti22 + 12 D* --> 38Ar18 + 36S16 + 171.581 MeV [62.920 MeV] (A_Ti:701)
50Ti22 + 12 D* --> 40Ar18 + 34S16 + 171.174 MeV [62.513 MeV] (A_Ti:702)
50Ti22 + 12 D* --> 44Ca20 + 30Si14 + 172.103 MeV [63.443 MeV] (A_Ti:703)

50Ti22 + 12 D* --> 46Ca20 + 28Si14 + 170.830 MeV [62.170 MeV] (A_Ti:704)
50Ti22 + 12 D* --> 48Ti22 + 26Mg12 + 170.904 MeV [62.244 MeV] (A_Ti:705)
50Ti22 + 12 D* --> 49Ti22 + 25Mg12 + 167.954 MeV [59.293 MeV] (A_Ti:706)
50Ti22 + 12 D* --> 50Ti22 + 24Mg12 + 171.562 MeV [62.902 MeV] (A_Ti:707)
50Ti22 + 12 D* --> 51V23 + 23Na11 + 167.933 MeV [59.273 MeV] (A_Ti:708)
50Ti22 + 12 D* --> 52Cr24 + 22Ne10 + 169.644 MeV [60.983 MeV] (A_Ti:709)
50Ti22 + 12 D* --> 53Cr24 + 21Ne10 + 167.219 MeV [58.558 MeV] (A_Ti:710)
50Ti22 + 12 D* --> 54Cr24 + 20Ne10 + 170.176 MeV [61.516 MeV] (A_Ti:711)
50Ti22 + 12 D* --> 55Mn25 + 19F9 + 165.400 MeV [56.740 MeV] (A_Ti:712)
50Ti22 + 12 D* --> 56Fe26 + 18O8 + 167.589 MeV [58.929 MeV] (A_Ti:713)
50Ti22 + 12 D* --> 57Fe26 + 17O8 + 167.191 MeV [58.531 MeV] (A_Ti:714)
50Ti22 + 12 D* --> 58Fe26 + 16O8 + 173.092 MeV [64.432 MeV] (A_Ti:715)
50Ti22 + 12 D* --> 59Co27 + 15N7 + 168.329 MeV [59.669 MeV] (A_Ti:716)
50Ti22 + 12 D* --> 61Ni28 + 13C6 + 167.298 MeV [58.638 MeV] (A_Ti:717)
50Ti22 + 12 D* --> 62Ni28 + 12C6 + 172.948 MeV [64.288 MeV] (A_Ti:718)
50Ti22 + 12 D* --> 63Cu29 + 11B5 + 163.114 MeV [54.453 MeV] (A_Ti:719)
50Ti22 + 12 D* --> 70Ge32 + 4He2 + 174.340 MeV [65.680 MeV] (A_Ti:720)
50Ti22 + 12 D* --> 74Se34 + 178.415 MeV [69.755 MeV] (A_Ti:721)

---------- Equations follow for Vanadium, V, element 23 ----------

50V23 + D* --> 48Ti22 + 4He2 + 9.977 MeV [2.878 MeV] (A_V:1)
50V23 + D* --> 51V23 + 1H1 + 8.827 MeV [1.728 MeV] (A_V:2)
50V23 + D* --> 52Cr24 + 19.331 MeV [12.232 MeV] (A_V:3)

50V23 + 2 D* --> 37Cl17 + 17O8 + 9.620 MeV [-5.009 MeV] (A_V:4)
50V23 + 2 D* --> 40Ar18 + 14N7 + 9.226 MeV [-5.403 MeV] (A_V:5)
50V23 + 2 D* --> 41K19 + 13C6 + 9.484 MeV [-5.146 MeV] (A_V:6)
50V23 + 2 D* --> 43Ca20 + 11B5 + 6.791 MeV [-7.839 MeV] (A_V:7)
50V23 + 2 D* --> 44Ca20 + 10B5 + 6.468 MeV [-8.162 MeV] (A_V:8)
50V23 + 2 D* --> 45Sc21 + 9Be4 + 6.770 MeV [-7.859 MeV] (A_V:9)
50V23 + 2 D* --> 47Ti22 + 7Li3 + 7.074 MeV [-7.555 MeV] (A_V:10)
50V23 + 2 D* --> 48Ti22 + 6Li3 + 11.451 MeV [-3.179 MeV] (A_V:11)
50V23 + 2 D* --> 50V23 + 4He2 + 23.847 MeV [9.217 MeV] (A_V:12)
50V23 + 2 D* --> 51V23 + 3He2 + 14.320 MeV [-0.309 MeV] (A_V:13)
50V23 + 2 D* --> 52Cr24 + 2H1 + 19.331 MeV [4.702 MeV] (A_V:14)
50V23 + 2 D* --> 53Cr24 + 1H1 + 25.046 MeV [10.416 MeV] (A_V:15)

50V23 + 3 D* --> 30Si14 + 26Mg12 + 30.833 MeV [8.250 MeV] (A_V:16)
50V23 + 3 D* --> 34S16 + 22Ne10 + 28.142 MeV [5.559 MeV] (A_V:17)
50V23 + 3 D* --> 36S16 + 20Ne10 + 27.892 MeV [5.308 MeV] (A_V:18)
50V23 + 3 D* --> 37Cl17 + 19F9 + 23.435 MeV [00.851 MeV] (A_V:19)
50V23 + 3 D* --> 38Ar18 + 18O8 + 25.682 MeV [3.099 MeV] (A_V:20)
50V23 + 3 D* --> 40Ar18 + 16O8 + 29.963 MeV [7.379 MeV] (A_V:21)
50V23 + 3 D* --> 41K19 + 15N7 + 25.643 MeV [3.060 MeV] (A_V:22)
50V23 + 3 D* --> 43Ca20 + 13C6 + 25.469 MeV [2.886 MeV] (A_V:23)
50V23 + 3 D* --> 44Ca20 + 12C6 + 31.654 MeV [9.071 MeV] (A_V:24)
50V23 + 3 D* --> 45Sc21 + 11B5 + 22.585 MeV [00.002 MeV] (A_V:25)
50V23 + 3 D* --> 47Ti22 + 9Be4 + 23.770 MeV [1.187 MeV] (A_V:26)
50V23 + 3 D* --> 50V23 + 6Li3 + 25.320 MeV [2.737 MeV] (A_V:27)
50V23 + 3 D* --> 52Cr24 + 4He2 + 43.178 MeV [20.594 MeV] (A_V:28)
50V23 + 3 D* --> 53Cr24 + 3He2 + 30.539 MeV [7.956 MeV] (A_V:29)
50V23 + 3 D* --> 55Mn25 + 1H1 + 40.607 MeV [18.024 MeV] (A_V:30)
50V23 + 3 D* --> 56Fe26 + 50.791 MeV [28.208 MeV] (A_V:31)

50V23 + 4 D* --> 37Cl17 + 21Ne10 + 40.815 MeV [9.864 MeV] (A_V:32)
50V23 + 4 D* --> 40K19 + 18O8 + 37.638 MeV [6.687 MeV] (A_V:33)
50V23 + 4 D* --> 41K19 + 17O8 + 39.689 MeV [8.738 MeV] (A_V:34)
50V23 + 4 D* --> 43Ca20 + 15N7 + 41.629 MeV [10.677 MeV] (A_V:35)
50V23 + 4 D* --> 44Ca20 + 14N7 + 41.926 MeV [10.975 MeV] (A_V:36)
50V23 + 4 D* --> 45Sc21 + 13C6 + 41.264 MeV [10.313 MeV] (A_V:37)
50V23 + 4 D* --> 47Ti22 + 11B5 + 39.586 MeV [8.635 MeV] (A_V:38)
50V23 + 4 D* --> 48Ti22 + 10B5 + 39.758 MeV [8.807 MeV] (A_V:39)
50V23 + 4 D* --> 52Cr24 + 6Li3 + 44.651 MeV [13.700 MeV] (A_V:40)
50V23 + 4 D* --> 55Mn25 + 3He2 + 46.101 MeV [15.150 MeV] (A_V:41)
50V23 + 4 D* --> 56Fe26 + 2H1 + 50.791 MeV [19.840 MeV] (A_V:42)
50V23 + 4 D* --> 57Fe26 + 1H1 + 56.212 MeV [25.261 MeV] (A_V:43)

50V23 + 5 D* --> 30Si14 + 30Si14 + 65.323 MeV [25.597 MeV] (A_V:44)
50V23 + 5 D* --> 34S16 + 26Mg12 + 62.603 MeV [22.878 MeV] (A_V:45)
50V23 + 5 D* --> 36S16 + 24Mg12 + 61.055 MeV [21.329 MeV] (A_V:46)
50V23 + 5 D* --> 37Cl17 + 23Na11 + 57.748 MeV [18.023 MeV] (A_V:47)
50V23 + 5 D* --> 38Ar18 + 22Ne10 + 59.196 MeV [19.471 MeV] (A_V:48)
50V23 + 5 D* --> 40Ar18 + 20Ne10 + 58.539 MeV [18.813 MeV] (A_V:49)
50V23 + 5 D* --> 41K19 + 19F9 + 53.504 MeV [13.778 MeV] (A_V:50)
50V23 + 5 D* --> 42Ca20 + 18O8 + 55.786 MeV [16.060 MeV] (A_V:51)
50V23 + 5 D* --> 43Ca20 + 17O8 + 55.675 MeV [15.949 MeV] (A_V:52)
50V23 + 5 D* --> 44Ca20 + 16O8 + 62.663 MeV [22.937 MeV] (A_V:53)
50V23 + 5 D* --> 45Sc21 + 15N7 + 57.423 MeV [17.698 MeV] (A_V:54)
50V23 + 5 D* --> 47Ti22 + 13C6 + 58.264 MeV [18.539 MeV] (A_V:55)
50V23 + 5 D* --> 48Ti22 + 12C6 + 64.945 MeV [25.219 MeV] (A_V:56)
50V23 + 5 D* --> 50V23 + 10B5 + 53.628 MeV [13.902 MeV] (A_V:57)
50V23 + 5 D* --> 56Fe26 + 4He2 + 74.637 MeV [34.912 MeV] (A_V:58)
50V23 + 5 D* --> 57Fe26 + 3He2 + 61.706 MeV [21.980 MeV] (A_V:59)
50V23 + 5 D* --> 59Co27 + 1H1 + 71.396 MeV [31.671 MeV] (A_V:60)
50V23 + 5 D* --> 60Ni28 + 80.929 MeV [41.204 MeV] (A_V:61)

50V23 + 6 D* --> 37Cl17 + 25Mg12 + 74.547 MeV [25.648 MeV] (A_V:62)
50V23 + 6 D* --> 40K19 + 22Ne10 + 71.153 MeV [22.254 MeV] (A_V:63)
50V23 + 6 D* --> 41K19 + 21Ne10 + 70.884 MeV [21.985 MeV] (A_V:64)
50V23 + 6 D* --> 43Ca20 + 19F9 + 69.489 MeV [20.590 MeV] (A_V:65)
50V23 + 6 D* --> 45Sc21 + 17O8 + 71.469 MeV [22.571 MeV] (A_V:66)
50V23 + 6 D* --> 47Ti22 + 15N7 + 74.424 MeV [25.525 MeV] (A_V:67)
50V23 + 6 D* --> 48Ti22 + 14N7 + 75.217 MeV [26.318 MeV] (A_V:68)
50V23 + 6 D* --> 50V23 + 12C6 + 78.814 MeV [29.916 MeV] (A_V:69)
50V23 + 6 D* --> 52Cr24 + 10B5 + 72.959 MeV [24.060 MeV] (A_V:70)
50V23 + 6 D* --> 56Fe26 + 6Li3 + 76.111 MeV [27.213 MeV] (A_V:71)
50V23 + 6 D* --> 59Co27 + 3He2 + 76.890 MeV [27.991 MeV] (A_V:72)
50V23 + 6 D* --> 60Ni28 + 2H1 + 80.929 MeV [32.030 MeV] (A_V:73)
50V23 + 6 D* --> 61Ni28 + 1H1 + 86.525 MeV [37.626 MeV] (A_V:74)

50V23 + 7 D* --> 34S16 + 30Si14 + 97.093 MeV [38.629 MeV] (A_V:75)
50V23 + 7 D* --> 36S16 + 28Si14 + 94.885 MeV [36.421 MeV] (A_V:76)
50V23 + 7 D* --> 37Cl17 + 27Al13 + 91.687 MeV [33.223 MeV] (A_V:77)
50V23 + 7 D* --> 38Ar18 + 26Mg12 + 93.658 MeV [35.194 MeV] (A_V:78)
50V23 + 7 D* --> 40Ar18 + 24Mg12 + 91.702 MeV [33.238 MeV] (A_V:79)
50V23 + 7 D* --> 41K19 + 23Na11 + 87.817 MeV [29.353 MeV] (A_V:80)
50V23 + 7 D* --> 42Ca20 + 22Ne10 + 89.300 MeV [30.836 MeV] (A_V:81)

50V23 + 7 D* --> 43Ca20 + 21Ne10 + 86.869 MeV [28.405 MeV] (A_V:82)
50V23 + 7 D* --> 44Ca20 + 20Ne10 + 91.239 MeV [32.775 MeV] (A_V:83)
50V23 + 7 D* --> 45Sc21 + 19F9 + 85.284 MeV [26.820 MeV] (A_V:84)
50V23 + 7 D* --> 46Ti22 + 18O8 + 87.633 MeV [29.169 MeV] (A_V:85)
50V23 + 7 D* --> 47Ti22 + 17O8 + 88.470 MeV [30.006 MeV] (A_V:86)
50V23 + 7 D* --> 48Ti22 + 16O8 + 95.953 MeV [37.489 MeV] (A_V:87)
50V23 + 7 D* --> 50V23 + 14N7 + 89.087 MeV [30.623 MeV] (A_V:88)
50V23 + 7 D* --> 52Cr24 + 12C6 + 98.145 MeV [39.681 MeV] (A_V:89)
50V23 + 7 D* --> 60Ni28 + 4He2 + 104.776 MeV [46.312 MeV] (A_V:90)
50V23 + 7 D* --> 61Ni28 + 3He2 + 92.018 MeV [33.554 MeV] (A_V:91)
50V23 + 7 D* --> 63Cu29 + 1H1 + 101.019 MeV [42.555 MeV] (A_V:92)
50V23 + 7 D* --> 64Zn30 + 108.732 MeV [50.268 MeV] (A_V:93)

50V23 + 8 D* --> 37Cl17 + 29Si14 + 109.521 MeV [41.106 MeV] (A_V:94)
50V23 + 8 D* --> 40K19 + 26Mg12 + 105.614 MeV [37.199 MeV] (A_V:95)
50V23 + 8 D* --> 41K19 + 25Mg12 + 104.616 MeV [36.201 MeV] (A_V:96)
50V23 + 8 D* --> 43Ca20 + 23Na11 + 103.803 MeV [35.388 MeV] (A_V:97)
50V23 + 8 D* --> 45Sc21 + 21Ne10 + 102.664 MeV [34.249 MeV] (A_V:98)
50V23 + 8 D* --> 47Ti22 + 19F9 + 102.284 MeV [33.869 MeV] (A_V:99)
50V23 + 8 D* --> 50V23 + 16O8 + 109.823 MeV [41.408 MeV] (A_V:100)
50V23 + 8 D* --> 52Cr24 + 14N7 + 108.418 MeV [40.003 MeV] (A_V:101)
50V23 + 8 D* --> 56Fe26 + 10B5 + 104.419 MeV [36.004 MeV] (A_V:102)
50V23 + 8 D* --> 60Ni28 + 6Li3 + 106.250 MeV [37.835 MeV] (A_V:103)
50V23 + 8 D* --> 63Cu29 + 3He2 + 106.513 MeV [38.098 MeV] (A_V:104)
50V23 + 8 D* --> 64Zn30 + 2H1 + 108.732 MeV [40.317 MeV] (A_V:105)

50V23 + 9 D* --> 34S16 + 34S16 + 128.864 MeV [50.119 MeV] (A_V:106)
50V23 + 9 D* --> 36S16 + 32S16 + 125.680 MeV [46.935 MeV] (A_V:107)
50V23 + 9 D* --> 37Cl17 + 31P15 + 125.202 MeV [46.458 MeV] (A_V:108)
50V23 + 9 D* --> 38Ar18 + 30Si14 + 128.147 MeV [49.403 MeV] (A_V:109)
50V23 + 9 D* --> 40Ar18 + 28Si14 + 125.533 MeV [46.788 MeV] (A_V:110)
50V23 + 9 D* --> 41K19 + 27Al13 + 121.756 MeV [43.011 MeV] (A_V:111)
50V23 + 9 D* --> 42Ca20 + 26Mg12 + 123.762 MeV [45.017 MeV] (A_V:112)
50V23 + 9 D* --> 43Ca20 + 25Mg12 + 120.601 MeV [41.857 MeV] (A_V:113)
50V23 + 9 D* --> 44Ca20 + 24Mg12 + 124.402 MeV [45.657 MeV] (A_V:114)
50V23 + 9 D* --> 45Sc21 + 23Na11 + 119.598 MeV [40.853 MeV] (A_V:115)
50V23 + 9 D* --> 46Ti22 + 22Ne10 + 121.148 MeV [42.404 MeV] (A_V:116)
50V23 + 9 D* --> 47Ti22 + 21Ne10 + 119.664 MeV [40.920 MeV] (A_V:117)
50V23 + 9 D* --> 48Ti22 + 20Ne10 + 124.530 MeV [45.785 MeV] (A_V:118)
50V23 + 9 D* --> 50Cr24 + 18O8 + 120.041 MeV [41.296 MeV] (A_V:119)
50V23 + 9 D* --> 52Cr24 + 16O8 + 129.154 MeV [50.409 MeV] (A_V:120)
50V23 + 9 D* --> 56Fe26 + 12C6 + 129.605 MeV [50.861 MeV] (A_V:121)
50V23 + 9 D* --> 64Zn30 + 4He2 + 132.579 MeV [53.834 MeV] (A_V:122)

50V23 + 10 D* --> 37Cl17 + 33S16 + 140.483 MeV [51.035 MeV] (A_V:123)
50V23 + 10 D* --> 40K19 + 30Si14 + 140.104 MeV [50.656 MeV] (A_V:124)
50V23 + 10 D* --> 41K19 + 29Si14 + 139.590 MeV [50.142 MeV] (A_V:125)
50V23 + 10 D* --> 43Ca20 + 27Al13 + 137.741 MeV [48.293 MeV] (A_V:126)
50V23 + 10 D* --> 45Sc21 + 25Mg12 + 136.396 MeV [46.948 MeV] (A_V:127)
50V23 + 10 D* --> 47Ti22 + 23Na11 + 136.598 MeV [47.150 MeV] (A_V:128)
50V23 + 10 D* --> 50V23 + 20Ne10 + 138.399 MeV [48.951 MeV] (A_V:129)
50V23 + 10 D* --> 56Fe26 + 14N7 + 139.878 MeV [50.430 MeV] (A_V:130)
50V23 + 10 D* --> 60Ni28 + 10B5 + 134.557 MeV [45.109 MeV] (A_V:131)
50V23 + 10 D* --> 64Zn30 + 6Li3 + 134.052 MeV [44.605 MeV] (A_V:132)

50V23 + 11 D* --> 36S16 + 36Ar18 + 156.167 MeV [55.648 MeV] (A_V:133)
50V23 + 11 D* --> 37Cl17 + 35Cl17 + 156.046 MeV [55.527 MeV] (A_V:134)
50V23 + 11 D* --> 36Ar18 + 36S16 + 156.167 MeV [55.648 MeV] (A_V:135)
50V23 + 11 D* --> 38Ar18 + 34S16 + 159.918 MeV [59.399 MeV] (A_V:136)
50V23 + 11 D* --> 40Ar18 + 32S16 + 156.327 MeV [55.808 MeV] (A_V:137)
50V23 + 11 D* --> 41K19 + 31P15 + 155.271 MeV [54.752 MeV] (A_V:138)
50V23 + 11 D* --> 42Ca20 + 30Si14 + 158.251 MeV [57.732 MeV] (A_V:139)
50V23 + 11 D* --> 43Ca20 + 29Si14 + 155.575 MeV [55.056 MeV] (A_V:140)
50V23 + 11 D* --> 44Ca20 + 28Si14 + 158.233 MeV [57.714 MeV] (A_V:141)
50V23 + 11 D* --> 45Sc21 + 27Al13 + 153.536 MeV [53.017 MeV] (A_V:142)
50V23 + 11 D* --> 46Ti22 + 26Mg12 + 155.609 MeV [55.090 MeV] (A_V:143)
50V23 + 11 D* --> 47Ti22 + 25Mg12 + 153.397 MeV [52.878 MeV] (A_V:144)
50V23 + 11 D* --> 48Ti22 + 24Mg12 + 157.693 MeV [57.174 MeV] (A_V:145)
50V23 + 11 D* --> 50Cr24 + 22Ne10 + 153.556 MeV [53.037 MeV] (A_V:146)
50V23 + 11 D* --> 52Cr24 + 20Ne10 + 157.730 MeV [57.211 MeV] (A_V:147)
50V23 + 11 D* --> 54Fe26 + 18O8 + 152.305 MeV [51.786 MeV] (A_V:148)
50V23 + 11 D* --> 56Fe26 + 16O8 + 160.614 MeV [60.095 MeV] (A_V:149)
50V23 + 11 D* --> 60Ni28 + 12C6 + 159.743 MeV [59.224 MeV] (A_V:150)

50V23 + 12 D* --> 40K19 + 34S16 + 171.874 MeV [59.921 MeV] (A_V:151)
50V23 + 12 D* --> 41K19 + 33S16 + 170.552 MeV [58.599 MeV] (A_V:152)
50V23 + 12 D* --> 43Ca20 + 31P15 + 171.257 MeV [59.304 MeV] (A_V:153)
50V23 + 12 D* --> 45Sc21 + 29Si14 + 171.370 MeV [59.417 MeV] (A_V:154)
50V23 + 12 D* --> 47Ti22 + 27Al13 + 170.536 MeV [58.583 MeV] (A_V:155)
50V23 + 12 D* --> 50V23 + 24Mg12 + 171.562 MeV [59.609 MeV] (A_V:156)
50V23 + 12 D* --> 60Ni28 + 14N7 + 170.016 MeV [58.063 MeV] (A_V:157)
50V23 + 12 D* --> 64Zn30 + 10B5 + 162.360 MeV [50.407 MeV] (A_V:158)

51V23 + D* --> 49Ti22 + 4He2 + 7.068 MeV [00.014 MeV] (A_V:159)
51V23 + D* --> 53Cr24 + 16.219 MeV [9.165 MeV] (A_V:160)

51V23 + 2 D* --> 36S16 + 19F9 + 6.222 MeV [-8.319 MeV] (A_V:161)
51V23 + 2 D* --> 37Cl17 + 18O8 + 6.613 MeV [-7.927 MeV] (A_V:162)
51V23 + 2 D* --> 40Ar18 + 15N7 + 9.009 MeV [-5.532 MeV] (A_V:163)
51V23 + 2 D* --> 44Ca20 + 11B5 + 6.871 MeV [-7.670 MeV] (A_V:164)
51V23 + 2 D* --> 48Ti22 + 7Li3 + 7.650 MeV [-6.891 MeV] (A_V:165)
51V23 + 2 D* --> 49Ti22 + 6Li3 + 8.542 MeV [-5.998 MeV] (A_V:166)
51V23 + 2 D* --> 51V23 + 4He2 + 23.847 MeV [9.306 MeV] (A_V:167)
51V23 + 2 D* --> 53Cr24 + 2H1 + 16.219 MeV [1.679 MeV] (A_V:168)
51V23 + 2 D* --> 54Cr24 + 1H1 + 23.714 MeV [9.173 MeV] (A_V:169)
51V23 + 2 D* --> 55Mn25 + 31.781 MeV [17.240 MeV] (A_V:170)

51V23 + 3 D* --> 36S16 + 21Ne10 + 23.602 MeV [1.151 MeV] (A_V:171)
51V23 + 3 D* --> 40Ar18 + 17O8 + 23.054 MeV [00.604 MeV] (A_V:172)
51V23 + 3 D* --> 44Ca20 + 13C6 + 25.549 MeV [3.099 MeV] (A_V:173)
51V23 + 3 D* --> 48Ti22 + 9Be4 + 24.346 MeV [1.896 MeV] (A_V:174)
51V23 + 3 D* --> 50V23 + 7Li3 + 21.519 MeV [-0.931 MeV] (A_V:175)
51V23 + 3 D* --> 51V23 + 6Li3 + 25.320 MeV [2.870 MeV] (A_V:176)
51V23 + 3 D* --> 53Cr24 + 4He2 + 40.066 MeV [17.615 MeV] (A_V:177)
51V23 + 3 D* --> 54Cr24 + 3He2 + 29.207 MeV [6.757 MeV] (A_V:178)
51V23 + 3 D* --> 55Mn25 + 2H1 + 31.781 MeV [9.330 MeV] (A_V:179)
51V23 + 3 D* --> 57Fe26 + 47.386 MeV [24.936 MeV] (A_V:180)

51V23 + 4 D* --> 36S16 + 23Na11 + 40.535 MeV [9.760 MeV] (A_V:181)
51V23 + 4 D* --> 37Cl17 + 22Ne10 + 40.128 MeV [9.352 MeV] (A_V:182)
51V23 + 4 D* --> 40Ar18 + 19F9 + 36.869 MeV [6.094 MeV] (A_V:183)
51V23 + 4 D* --> 41K19 + 18O8 + 36.682 MeV [5.907 MeV] (A_V:184)
51V23 + 4 D* --> 44Ca20 + 15N7 + 41.709 MeV [10.933 MeV] (A_V:185)
51V23 + 4 D* --> 48Ti22 + 11B5 + 40.161 MeV [9.386 MeV] (A_V:186)
51V23 + 4 D* --> 49Ti22 + 10B5 + 36.850 MeV [6.074 MeV] (A_V:187)
51V23 + 4 D* --> 50V23 + 9Be4 + 38.215 MeV [7.440 MeV] (A_V:188)
51V23 + 4 D* --> 52Cr24 + 7Li3 + 40.850 MeV [10.075 MeV] (A_V:189)
51V23 + 4 D* --> 53Cr24 + 6Li3 + 41.539 MeV [10.764 MeV] (A_V:190)
51V23 + 4 D* --> 55Mn25 + 4He2 + 55.627 MeV [24.852 MeV] (A_V:191)
51V23 + 4 D* --> 57Fe26 + 2H1 + 47.386 MeV [16.611 MeV] (A_V:192)
51V23 + 4 D* --> 58Fe26 + 1H1 + 55.206 MeV [24.431 MeV] (A_V:193)
51V23 + 4 D* --> 59Co27 + 62.570 MeV [31.795 MeV] (A_V:194)

51V23 + 5 D* --> 36S16 + 25Mg12 + 57.334 MeV [17.827 MeV] (A_V:195)
51V23 + 5 D* --> 40Ar18 + 21Ne10 + 54.249 MeV [14.742 MeV] (A_V:196)
51V23 + 5 D* --> 43Ca20 + 18O8 + 52.667 MeV [13.160 MeV] (A_V:197)
51V23 + 5 D* --> 44Ca20 + 17O8 + 55.755 MeV [16.247 MeV] (A_V:198)
51V23 + 5 D* --> 48Ti22 + 13C6 + 58.840 MeV [19.333 MeV] (A_V:199)
51V23 + 5 D* --> 49Ti22 + 12C6 + 62.036 MeV [22.529 MeV] (A_V:200)
51V23 + 5 D* --> 50V23 + 11B5 + 54.031 MeV [14.524 MeV] (A_V:201)
51V23 + 5 D* --> 51V23 + 10B5 + 53.628 MeV [14.121 MeV] (A_V:202)
51V23 + 5 D* --> 52Cr24 + 9Be4 + 57.547 MeV [18.039 MeV] (A_V:203)
51V23 + 5 D* --> 55Mn25 + 6Li3 + 57.101 MeV [17.594 MeV] (A_V:204)
51V23 + 5 D* --> 57Fe26 + 4He2 + 71.232 MeV [31.725 MeV] (A_V:205)
51V23 + 5 D* --> 58Fe26 + 3He2 + 60.699 MeV [21.192 MeV] (A_V:206)
51V23 + 5 D* --> 59Co27 + 2H1 + 62.570 MeV [23.063 MeV] (A_V:207)
51V23 + 5 D* --> 61Ni28 + 77.698 MeV [38.191 MeV] (A_V:208)

51V23 + 6 D* --> 36S16 + 27Al13 + 74.474 MeV [25.835 MeV] (A_V:209)
51V23 + 6 D* --> 37Cl17 + 26Mg12 + 74.589 MeV [25.950 MeV] (A_V:210)
51V23 + 6 D* --> 40Ar18 + 23Na11 + 71.183 MeV [22.544 MeV] (A_V:211)
51V23 + 6 D* --> 41K19 + 22Ne10 + 70.197 MeV [21.558 MeV] (A_V:212)
51V23 + 6 D* --> 44Ca20 + 19F9 + 69.569 MeV [20.930 MeV] (A_V:213)
51V23 + 6 D* --> 45Sc21 + 18O8 + 68.462 MeV [19.824 MeV] (A_V:214)
51V23 + 6 D* --> 48Ti22 + 15N7 + 74.999 MeV [26.361 MeV] (A_V:215)
51V23 + 6 D* --> 49Ti22 + 14N7 + 72.308 MeV [23.670 MeV] (A_V:216)
51V23 + 6 D* --> 50V23 + 13C6 + 72.709 MeV [24.071 MeV] (A_V:217)
51V23 + 6 D* --> 51V23 + 12C6 + 78.814 MeV [30.176 MeV] (A_V:218)
51V23 + 6 D* --> 52Cr24 + 11B5 + 73.362 MeV [24.723 MeV] (A_V:219)
51V23 + 6 D* --> 53Cr24 + 10B5 + 69.847 MeV [21.208 MeV] (A_V:220)
51V23 + 6 D* --> 56Fe26 + 7Li3 + 72.310 MeV [23.672 MeV] (A_V:221)
51V23 + 6 D* --> 57Fe26 + 6Li3 + 72.706 MeV [24.068 MeV] (A_V:222)
51V23 + 6 D* --> 59Co27 + 4He2 + 86.416 MeV [37.778 MeV] (A_V:223)
51V23 + 6 D* --> 61Ni28 + 2H1 + 77.698 MeV [29.059 MeV] (A_V:224)
51V23 + 6 D* --> 62Ni28 + 1H1 + 86.070 MeV [37.431 MeV] (A_V:225)
51V23 + 6 D* --> 63Cu29 + 92.192 MeV [43.554 MeV] (A_V:226)

51V23 + 7 D* --> 36S16 + 29Si14 + 92.308 MeV [34.145 MeV] (A_V:227)
51V23 + 7 D* --> 40Ar18 + 25Mg12 + 87.981 MeV [29.819 MeV] (A_V:228)
51V23 + 7 D* --> 43Ca20 + 22Ne10 + 86.182 MeV [28.019 MeV] (A_V:229)
51V23 + 7 D* --> 44Ca20 + 21Ne10 + 86.949 MeV [28.786 MeV] (A_V:230)
51V23 + 7 D* --> 47Ti22 + 18O8 + 85.463 MeV [27.300 MeV] (A_V:231)

51V23 + 7 D* --> 48Ti22 + 17O8 + 89.045 MeV [30.883 MeV] (A_V:232)
51V23 + 7 D* --> 49Ti22 + 16O8 + 93.044 MeV [34.882 MeV] (A_V:233)
51V23 + 7 D* --> 50V23 + 15N7 + 88.869 MeV [30.706 MeV] (A_V:234)
51V23 + 7 D* --> 51V23 + 14N7 + 89.087 MeV [30.924 MeV] (A_V:235)
51V23 + 7 D* --> 52Cr24 + 13C6 + 92.041 MeV [33.878 MeV] (A_V:236)
51V23 + 7 D* --> 53Cr24 + 12C6 + 95.033 MeV [36.871 MeV] (A_V:237)
51V23 + 7 D* --> 55Mn25 + 10B5 + 85.409 MeV [27.246 MeV] (A_V:238)
51V23 + 7 D* --> 56Fe26 + 9Be4 + 89.006 MeV [30.844 MeV] (A_V:239)
51V23 + 7 D* --> 59Co27 + 6Li3 + 87.890 MeV [29.728 MeV] (A_V:240)
51V23 + 7 D* --> 61Ni28 + 4He2 + 101.545 MeV [43.382 MeV] (A_V:241)
51V23 + 7 D* --> 62Ni28 + 3He2 + 91.564 MeV [33.401 MeV] (A_V:242)
51V23 + 7 D* --> 63Cu29 + 2H1 + 92.192 MeV [34.030 MeV] (A_V:243)

51V23 + 8 D* --> 36S16 + 31P15 + 107.989 MeV [39.917 MeV] (A_V:244)
51V23 + 8 D* --> 37Cl17 + 30Si14 + 109.079 MeV [41.006 MeV] (A_V:245)
51V23 + 8 D* --> 40Ar18 + 27Al13 + 105.121 MeV [37.048 MeV] (A_V:246)
51V23 + 8 D* --> 41K19 + 26Mg12 + 104.658 MeV [36.585 MeV] (A_V:247)
51V23 + 8 D* --> 44Ca20 + 23Na11 + 103.883 MeV [35.810 MeV] (A_V:248)
51V23 + 8 D* --> 45Sc21 + 22Ne10 + 101.977 MeV [33.904 MeV] (A_V:249)
51V23 + 8 D* --> 48Ti22 + 19F9 + 102.860 MeV [34.787 MeV] (A_V:250)
51V23 + 8 D* --> 50V23 + 17O8 + 102.915 MeV [34.842 MeV] (A_V:251)
51V23 + 8 D* --> 51V23 + 16O8 + 109.823 MeV [41.750 MeV] (A_V:252)
51V23 + 8 D* --> 52Cr24 + 15N7 + 108.200 MeV [40.127 MeV] (A_V:253)
51V23 + 8 D* --> 53Cr24 + 14N7 + 105.306 MeV [37.233 MeV] (A_V:254)
51V23 + 8 D* --> 55Mn25 + 12C6 + 110.595 MeV [42.522 MeV] (A_V:255)
51V23 + 8 D* --> 56Fe26 + 11B5 + 104.822 MeV [36.749 MeV] (A_V:256)
51V23 + 8 D* --> 57Fe26 + 10B5 + 101.014 MeV [32.941 MeV] (A_V:257)
51V23 + 8 D* --> 60Ni28 + 7Li3 + 102.448 MeV [34.376 MeV] (A_V:258)
51V23 + 8 D* --> 61Ni28 + 6Li3 + 103.018 MeV [34.946 MeV] (A_V:259)
51V23 + 8 D* --> 63Cu29 + 4He2 + 116.039 MeV [47.966 MeV] (A_V:260)
51V23 + 8 D* --> 66Zn30 + 1H1 + 114.495 MeV [46.422 MeV] (A_V:261)

51V23 + 9 D* --> 36S16 + 33S16 + 123.270 MeV [44.908 MeV] (A_V:262)
51V23 + 9 D* --> 40Ar18 + 29Si14 + 122.955 MeV [44.593 MeV] (A_V:263)
51V23 + 9 D* --> 43Ca20 + 26Mg12 + 120.643 MeV [42.281 MeV] (A_V:264)
51V23 + 9 D* --> 44Ca20 + 25Mg12 + 120.681 MeV [42.319 MeV] (A_V:265)
51V23 + 9 D* --> 47Ti22 + 22Ne10 + 118.977 MeV [40.615 MeV] (A_V:266)
51V23 + 9 D* --> 48Ti22 + 21Ne10 + 120.240 MeV [41.877 MeV] (A_V:267)
51V23 + 9 D* --> 49Ti22 + 20Ne10 + 121.621 MeV [43.259 MeV] (A_V:268)
51V23 + 9 D* --> 50V23 + 19F9 + 116.729 MeV [38.367 MeV] (A_V:269)
51V23 + 9 D* --> 52Cr24 + 17O8 + 122.246 MeV [43.884 MeV] (A_V:270)
51V23 + 9 D* --> 53Cr24 + 16O8 + 126.042 MeV [47.680 MeV] (A_V:271)
51V23 + 9 D* --> 55Mn25 + 14N7 + 120.867 MeV [42.505 MeV] (A_V:272)
51V23 + 9 D* --> 56Fe26 + 13C6 + 123.500 MeV [45.138 MeV] (A_V:273)
51V23 + 9 D* --> 57Fe26 + 12C6 + 126.200 MeV [47.838 MeV] (A_V:274)
51V23 + 9 D* --> 59Co27 + 10B5 + 116.198 MeV [37.836 MeV] (A_V:275)
51V23 + 9 D* --> 60Ni28 + 9Be4 + 119.145 MeV [40.782 MeV] (A_V:276)
51V23 + 9 D* --> 63Cu29 + 6Li3 + 117.513 MeV [39.151 MeV] (A_V:277)
51V23 + 9 D* --> 66Zn30 + 3He2 + 119.988 MeV [41.626 MeV] (A_V:278)

51V23 + 10 D* --> 36S16 + 35Cl17 + 138.833 MeV [49.808 MeV] (A_V:279)
51V23 + 10 D* --> 37Cl17 + 34S16 + 140.849 MeV [51.823 MeV] (A_V:280)
51V23 + 10 D* --> 40Ar18 + 31P15 + 138.637 MeV [49.611 MeV] (A_V:281)
51V23 + 10 D* --> 41K19 + 30Si14 + 139.148 MeV [50.122 MeV] (A_V:282)

51V23 + 10 D* --> 44Ca20 + 27Al13 + 137.821 MeV [48.795 MeV] (A_V:283)
51V23 + 10 D* --> 45Sc21 + 26Mg12 + 136.438 MeV [47.412 MeV] (A_V:284)
51V23 + 10 D* --> 48Ti22 + 23Na11 + 137.173 MeV [48.148 MeV] (A_V:285)
51V23 + 10 D* --> 50V23 + 21Ne10 + 134.109 MeV [45.083 MeV] (A_V:286)
51V23 + 10 D* --> 51V23 + 20Ne10 + 138.399 MeV [49.373 MeV] (A_V:287)
51V23 + 10 D* --> 52Cr24 + 19F9 + 136.060 MeV [47.034 MeV] (A_V:288)
51V23 + 10 D* --> 55Mn25 + 16O8 + 141.603 MeV [52.578 MeV] (A_V:289)
51V23 + 10 D* --> 56Fe26 + 15N7 + 139.660 MeV [50.634 MeV] (A_V:290)
51V23 + 10 D* --> 57Fe26 + 14N7 + 136.473 MeV [47.447 MeV] (A_V:291)
51V23 + 10 D* --> 59Co27 + 12C6 + 141.384 MeV [52.358 MeV] (A_V:292)
51V23 + 10 D* --> 60Ni28 + 11B5 + 134.960 MeV [45.934 MeV] (A_V:293)
51V23 + 10 D* --> 61Ni28 + 10B5 + 131.326 MeV [42.300 MeV] (A_V:294)
51V23 + 10 D* --> 64Zn30 + 7Li3 + 130.251 MeV [41.225 MeV] (A_V:295)
51V23 + 10 D* --> 70Ge32 + 1H1 + 142.430 MeV [53.404 MeV] (A_V:296)

51V23 + 11 D* --> 40Ar18 + 33S16 + 153.917 MeV [53.860 MeV] (A_V:297)
51V23 + 11 D* --> 43Ca20 + 30Si14 + 155.133 MeV [55.075 MeV] (A_V:298)
51V23 + 11 D* --> 44Ca20 + 29Si14 + 155.655 MeV [55.597 MeV] (A_V:299)
51V23 + 11 D* --> 47Ti22 + 26Mg12 + 153.439 MeV [53.381 MeV] (A_V:300)
51V23 + 11 D* --> 48Ti22 + 25Mg12 + 153.972 MeV [53.914 MeV] (A_V:301)
51V23 + 11 D* --> 49Ti22 + 24Mg12 + 154.784 MeV [54.726 MeV] (A_V:302)
51V23 + 11 D* --> 50V23 + 23Na11 + 151.043 MeV [50.985 MeV] (A_V:303)
51V23 + 11 D* --> 52Cr24 + 21Ne10 + 153.440 MeV [53.382 MeV] (A_V:304)
51V23 + 11 D* --> 53Cr24 + 20Ne10 + 154.618 MeV [54.560 MeV] (A_V:305)
51V23 + 11 D* --> 56Fe26 + 17O8 + 153.706 MeV [53.648 MeV] (A_V:306)
51V23 + 11 D* --> 57Fe26 + 16O8 + 157.209 MeV [57.151 MeV] (A_V:307)
51V23 + 11 D* --> 59Co27 + 14N7 + 151.657 MeV [51.599 MeV] (A_V:308)
51V23 + 11 D* --> 60Ni28 + 13C6 + 153.639 MeV [53.581 MeV] (A_V:309)
51V23 + 11 D* --> 61Ni28 + 12C6 + 156.512 MeV [56.455 MeV] (A_V:310)
51V23 + 11 D* --> 63Cu29 + 10B5 + 145.820 MeV [45.762 MeV] (A_V:311)
51V23 + 11 D* --> 64Zn30 + 9Be4 + 146.948 MeV [46.890 MeV] (A_V:312)
51V23 + 11 D* --> 70Ge32 + 3He2 + 147.923 MeV [47.866 MeV] (A_V:313)

51V23 + 12 D* --> 38Ar18 + 37Cl17 + 171.903 MeV [60.450 MeV] (A_V:314)
51V23 + 12 D* --> 40Ar18 + 35Cl17 + 169.481 MeV [58.028 MeV] (A_V:315)
51V23 + 12 D* --> 39K19 + 36S16 + 169.898 MeV [58.445 MeV] (A_V:316)
51V23 + 12 D* --> 41K19 + 34S16 + 170.918 MeV [59.465 MeV] (A_V:317)
51V23 + 12 D* --> 44Ca20 + 31P15 + 171.337 MeV [59.884 MeV] (A_V:318)
51V23 + 12 D* --> 45Sc21 + 30Si14 + 170.928 MeV [59.475 MeV] (A_V:319)
51V23 + 12 D* --> 48Ti22 + 27Al13 + 171.112 MeV [59.659 MeV] (A_V:320)
51V23 + 12 D* --> 50V23 + 25Mg12 + 167.842 MeV [56.389 MeV] (A_V:321)
51V23 + 12 D* --> 51V23 + 24Mg12 + 171.562 MeV [60.109 MeV] (A_V:322)
51V23 + 12 D* --> 52Cr24 + 23Na11 + 170.374 MeV [58.921 MeV] (A_V:323)
51V23 + 12 D* --> 55Mn25 + 20Ne10 + 170.180 MeV [58.727 MeV] (A_V:324)
51V23 + 12 D* --> 56Fe26 + 19F9 + 167.520 MeV [56.067 MeV] (A_V:325)
51V23 + 12 D* --> 59Co27 + 16O8 + 172.393 MeV [60.940 MeV] (A_V:326)
51V23 + 12 D* --> 60Ni28 + 15N7 + 169.798 MeV [58.345 MeV] (A_V:327)
51V23 + 12 D* --> 61Ni28 + 14N7 + 166.785 MeV [55.332 MeV] (A_V:328)
51V23 + 12 D* --> 63Cu29 + 12C6 + 171.007 MeV [59.554 MeV] (A_V:329)
51V23 + 12 D* --> 64Zn30 + 11B5 + 162.763 MeV [51.310 MeV] (A_V:330)
51V23 + 12 D* --> 74Se34 + 1H1 + 170.351 MeV [58.898 MeV] (A_V:331)

---------- Equations follow for Chromium, Cr, element 24 ----------

50Cr24 + 2 D* --> 27Al13 + 27Al13 + 10.405 MeV [-4.834 MeV] (A_Cr:1)
50Cr24 + 2 D* --> 28Si14 + 26Mg12 + 13.719 MeV [-1.520 MeV] (A_Cr:2)
50Cr24 + 2 D* --> 29Si14 + 25Mg12 + 11.100 MeV [-4.139 MeV] (A_Cr:3)
50Cr24 + 2 D* --> 30Si14 + 24Mg12 + 14.378 MeV [-0.861 MeV] (A_Cr:4)
50Cr24 + 2 D* --> 31P15 + 23Na11 + 9.983 MeV [-5.256 MeV] (A_Cr:5)
50Cr24 + 2 D* --> 32S16 + 22Ne10 + 10.052 MeV [-5.187 MeV] (A_Cr:6)
50Cr24 + 2 D* --> 33S16 + 21Ne10 + 8.330 MeV [-6.909 MeV] (A_Cr:7)
50Cr24 + 2 D* --> 34S16 + 20Ne10 + 12.986 MeV [-2.253 MeV] (A_Cr:8)
50Cr24 + 2 D* --> 35Cl17 + 19F9 + 6.513 MeV [-8.726 MeV] (A_Cr:9)
50Cr24 + 2 D* --> 36Ar18 + 18O8 + 7.025 MeV [-8.214 MeV] (A_Cr:10)
50Cr24 + 2 D* --> 38Ar18 + 16O8 + 15.463 MeV [00.224 MeV] (A_Cr:11)
50Cr24 + 2 D* --> 39K19 + 15N7 + 9.718 MeV [-5.522 MeV] (A_Cr:12)
50Cr24 + 2 D* --> 40K19 + 14N7 + 6.684 MeV [-8.555 MeV] (A_Cr:13)
50Cr24 + 2 D* --> 42Ca20 + 12C6 + 14.559 MeV [-0.680 MeV] (A_Cr:14)
50Cr24 + 2 D* --> 50Cr24 + 4He2 + 23.847 MeV [8.607 MeV] (A_Cr:15)
50Cr24 + 2 D* --> 54Fe26 + 32.264 MeV [17.025 MeV] (A_Cr:16)

50Cr24 + 3 D* --> 29Si14 + 27Al13 + 28.239 MeV [4.753 MeV] (A_Cr:17)
50Cr24 + 3 D* --> 31P15 + 25Mg12 + 26.781 MeV [3.295 MeV] (A_Cr:18)
50Cr24 + 3 D* --> 33S16 + 23Na11 + 25.264 MeV [1.777 MeV] (A_Cr:19)
50Cr24 + 3 D* --> 35Cl17 + 21Ne10 + 23.893 MeV [00.407 MeV] (A_Cr:20)
50Cr24 + 3 D* --> 39K19 + 17O8 + 23.763 MeV [00.277 MeV] (A_Cr:21)
50Cr24 + 3 D* --> 40K19 + 16O8 + 27.420 MeV [3.933 MeV] (A_Cr:22)
50Cr24 + 3 D* --> 42Ca20 + 14N7 + 24.831 MeV [1.345 MeV] (A_Cr:23)
50Cr24 + 3 D* --> 46Ti22 + 10B5 + 21.220 MeV [-2.266 MeV] (A_Cr:24)
50Cr24 + 3 D* --> 50Cr24 + 6Li3 + 25.320 MeV [1.834 MeV] (A_Cr:25)
50Cr24 + 3 D* --> 54Fe26 + 2H1 + 32.264 MeV [8.778 MeV] (A_Cr:26)

50Cr24 + 4 D* --> 29Si14 + 29Si14 + 46.073 MeV [13.932 MeV] (A_Cr:27)
50Cr24 + 4 D* --> 30Si14 + 28Si14 + 48.209 MeV [16.068 MeV] (A_Cr:28)
50Cr24 + 4 D* --> 31P15 + 27Al13 + 43.921 MeV [11.779 MeV] (A_Cr:29)
50Cr24 + 4 D* --> 32S16 + 26Mg12 + 44.514 MeV [12.372 MeV] (A_Cr:30)
50Cr24 + 4 D* --> 33S16 + 25Mg12 + 42.062 MeV [9.921 MeV] (A_Cr:31)
50Cr24 + 4 D* --> 34S16 + 24Mg12 + 46.149 MeV [14.007 MeV] (A_Cr:32)
50Cr24 + 4 D* --> 35Cl17 + 23Na11 + 40.827 MeV [8.685 MeV] (A_Cr:33)
50Cr24 + 4 D* --> 36Ar18 + 22Ne10 + 40.540 MeV [8.398 MeV] (A_Cr:34)
50Cr24 + 4 D* --> 38Ar18 + 20Ne10 + 44.040 MeV [11.898 MeV] (A_Cr:35)
50Cr24 + 4 D* --> 39K19 + 19F9 + 37.578 MeV [5.436 MeV] (A_Cr:36)
50Cr24 + 4 D* --> 40Ca20 + 18O8 + 37.911 MeV [5.770 MeV] (A_Cr:37)
50Cr24 + 4 D* --> 42Ca20 + 16O8 + 45.567 MeV [13.426 MeV] (A_Cr:38)
50Cr24 + 4 D* --> 46Ti22 + 12C6 + 46.407 MeV [14.265 MeV] (A_Cr:39)
50Cr24 + 4 D* --> 54Fe26 + 4He2 + 56.111 MeV [23.969 MeV] (A_Cr:40)
50Cr24 + 4 D* --> 58Ni28 + 62.511 MeV [30.370 MeV] (A_Cr:41)

50Cr24 + 5 D* --> 31P15 + 29Si14 + 61.755 MeV [20.558 MeV] (A_Cr:42)
50Cr24 + 5 D* --> 33S16 + 27Al13 + 59.202 MeV [18.005 MeV] (A_Cr:43)
50Cr24 + 5 D* --> 35Cl17 + 25Mg12 + 57.625 MeV [16.429 MeV] (A_Cr:44)
50Cr24 + 5 D* --> 39K19 + 21Ne10 + 54.958 MeV [13.761 MeV] (A_Cr:45)
50Cr24 + 5 D* --> 40K19 + 20Ne10 + 55.996 MeV [14.799 MeV] (A_Cr:46)
50Cr24 + 5 D* --> 46Ti22 + 14N7 + 56.679 MeV [15.482 MeV] (A_Cr:47)
50Cr24 + 5 D* --> 50Cr24 + 10B5 + 53.628 MeV [12.431 MeV] (A_Cr:48)
50Cr24 + 5 D* --> 54Fe26 + 6Li3 + 57.585 MeV [16.388 MeV] (A_Cr:49)
50Cr24 + 5 D* --> 58Ni28 + 2H1 + 62.511 MeV [21.314 MeV] (A_Cr:50)

50Cr24 + 6 D* --> 31P15 + 31P15 + 77.437 MeV [26.791 MeV] (A_Cr:51)
50Cr24 + 6 D* --> 32S16 + 30Si14 + 79.003 MeV [28.358 MeV] (A_Cr:52)
50Cr24 + 6 D* --> 33S16 + 29Si14 + 77.036 MeV [26.391 MeV] (A_Cr:53)
50Cr24 + 6 D* --> 34S16 + 28Si14 + 79.979 MeV [29.334 MeV] (A_Cr:54)
50Cr24 + 6 D* --> 35Cl17 + 27Al13 + 74.765 MeV [24.120 MeV] (A_Cr:55)
50Cr24 + 6 D* --> 36Ar18 + 26Mg12 + 75.001 MeV [24.356 MeV] (A_Cr:56)
50Cr24 + 6 D* --> 38Ar18 + 24Mg12 + 77.203 MeV [26.558 MeV] (A_Cr:57)
50Cr24 + 6 D* --> 39K19 + 23Na11 + 71.892 MeV [21.247 MeV] (A_Cr:58)
50Cr24 + 6 D* --> 40Ca20 + 22Ne10 + 71.426 MeV [20.781 MeV] (A_Cr:59)
50Cr24 + 6 D* --> 42Ca20 + 20Ne10 + 74.144 MeV [23.499 MeV] (A_Cr:60)
50Cr24 + 6 D* --> 46Ti22 + 16O8 + 77.415 MeV [26.770 MeV] (A_Cr:61)
50Cr24 + 6 D* --> 50Cr24 + 12C6 + 78.814 MeV [28.169 MeV] (A_Cr:62)
50Cr24 + 6 D* --> 58Ni28 + 4He2 + 86.358 MeV [35.712 MeV] (A_Cr:63)

50Cr24 + 7 D* --> 33S16 + 31P15 + 92.717 MeV [32.237 MeV] (A_Cr:64)
50Cr24 + 7 D* --> 35Cl17 + 29Si14 + 92.599 MeV [32.119 MeV] (A_Cr:65)
50Cr24 + 7 D* --> 39K19 + 25Mg12 + 88.690 MeV [28.210 MeV] (A_Cr:66)
50Cr24 + 7 D* --> 40K19 + 24Mg12 + 89.159 MeV [28.679 MeV] (A_Cr:67)
50Cr24 + 7 D* --> 50Cr24 + 14N7 + 89.087 MeV [28.607 MeV] (A_Cr:68)
50Cr24 + 7 D* --> 54Fe26 + 10B5 + 85.892 MeV [25.412 MeV] (A_Cr:69)
50Cr24 + 7 D* --> 58Ni28 + 6Li3 + 87.831 MeV [27.351 MeV] (A_Cr:70)

50Cr24 + 8 D* --> 33S16 + 33S16 + 107.998 MeV [37.303 MeV] (A_Cr:71)
50Cr24 + 8 D* --> 34S16 + 32S16 + 110.774 MeV [40.079 MeV] (A_Cr:72)
50Cr24 + 8 D* --> 35Cl17 + 31P15 + 108.281 MeV [37.586 MeV] (A_Cr:73)
50Cr24 + 8 D* --> 36Ar18 + 30Si14 + 109.491 MeV [38.796 MeV] (A_Cr:74)
50Cr24 + 8 D* --> 38Ar18 + 28Si14 + 111.034 MeV [40.338 MeV] (A_Cr:75)
50Cr24 + 8 D* --> 39K19 + 27Al13 + 105.830 MeV [35.135 MeV] (A_Cr:76)
50Cr24 + 8 D* --> 40Ca20 + 26Mg12 + 105.887 MeV [35.192 MeV] (A_Cr:77)
50Cr24 + 8 D* --> 42Ca20 + 24Mg12 + 107.307 MeV [36.612 MeV] (A_Cr:78)
50Cr24 + 8 D* --> 46Ti22 + 20Ne10 + 105.992 MeV [35.296 MeV] (A_Cr:79)
50Cr24 + 8 D* --> 50Cr24 + 16O8 + 109.823 MeV [39.128 MeV] (A_Cr:80)
50Cr24 + 8 D* --> 54Fe26 + 12C6 + 111.079 MeV [40.384 MeV] (A_Cr:81)

50Cr24 + 9 D* --> 35Cl17 + 33S16 + 123.562 MeV [42.277 MeV] (A_Cr:82)
50Cr24 + 9 D* --> 39K19 + 29Si14 + 123.664 MeV [42.379 MeV] (A_Cr:83)
50Cr24 + 9 D* --> 40K19 + 28Si14 + 122.990 MeV [41.705 MeV] (A_Cr:84)
50Cr24 + 9 D* --> 54Fe26 + 14N7 + 121.351 MeV [40.066 MeV] (A_Cr:85)
50Cr24 + 9 D* --> 58Ni28 + 10B5 + 116.139 MeV [34.854 MeV] (A_Cr:86)

50Cr24 + 10 D* --> 35Cl17 + 35Cl17 + 139.125 MeV [46.882 MeV] (A_Cr:87)
50Cr24 + 10 D* --> 36Ar18 + 34S16 + 141.261 MeV [49.018 MeV] (A_Cr:88)
50Cr24 + 10 D* --> 38Ar18 + 32S16 + 141.828 MeV [49.585 MeV] (A_Cr:89)
50Cr24 + 10 D* --> 39K19 + 31P15 + 139.346 MeV [47.103 MeV] (A_Cr:90)
50Cr24 + 10 D* --> 40Ca20 + 30Si14 + 140.377 MeV [48.134 MeV] (A_Cr:91)
50Cr24 + 10 D* --> 42Ca20 + 28Si14 + 141.138 MeV [48.895 MeV] (A_Cr:92)
50Cr24 + 10 D* --> 46Ti22 + 24Mg12 + 139.155 MeV [46.912 MeV] (A_Cr:93)
50Cr24 + 10 D* --> 50Cr24 + 20Ne10 + 138.399 MeV [46.156 MeV] (A_Cr:94)
50Cr24 + 10 D* --> 54Fe26 + 16O8 + 142.087 MeV [49.844 MeV] (A_Cr:95)
50Cr24 + 10 D* --> 58Ni28 + 12C6 + 141.325 MeV [49.082 MeV] (A_Cr:96)

50Cr24 + 11 D* --> 39K19 + 33S16 + 154.626 MeV [51.061 MeV] (A_Cr:97)
50Cr24 + 11 D* --> 40K19 + 32S16 + 153.784 MeV [50.219 MeV] (A_Cr:98)

50Cr24 + 11 D* --> 58Ni28 + 14N7 + 151.598 MeV [48.033 MeV] (A_Cr:99)

50Cr24 + 12 D* --> 38Ar18 + 36Ar18 + 172.315 MeV [57.070 MeV] (A_Cr:100)
50Cr24 + 12 D* --> 39K19 + 35Cl17 + 170.190 MeV [54.944 MeV] (A_Cr:101)
50Cr24 + 12 D* --> 40Ca20 + 34S16 + 172.147 MeV [56.902 MeV] (A_Cr:102)
50Cr24 + 12 D* --> 42Ca20 + 32S16 + 171.932 MeV [56.686 MeV] (A_Cr:103)
50Cr24 + 12 D* --> 46Ti22 + 28Si14 + 172.985 MeV [57.740 MeV] (A_Cr:104)
50Cr24 + 12 D* --> 50Cr24 + 24Mg12 + 171.562 MeV [56.317 MeV] (A_Cr:105)
50Cr24 + 12 D* --> 54Fe26 + 20Ne10 + 170.664 MeV [55.418 MeV] (A_Cr:106)
50Cr24 + 12 D* --> 58Ni28 + 16O8 + 172.334 MeV [57.088 MeV] (A_Cr:107)

52Cr24 + D* --> 50V23 + 4He2 + 4.515 MeV [-2.799 MeV] (A_Cr:108)
52Cr24 + D* --> 53Cr24 + 1H1 + 5.715 MeV [-1.600 MeV] (A_Cr:109)

52Cr24 + 2 D* --> 30Si14 + 26Mg12 + 11.502 MeV [-3.553 MeV] (A_Cr:110)
52Cr24 + 2 D* --> 34S16 + 22Ne10 + 8.811 MeV [-6.244 MeV] (A_Cr:111)
52Cr24 + 2 D* --> 36S16 + 20Ne10 + 8.561 MeV [-6.495 MeV] (A_Cr:112)
52Cr24 + 2 D* --> 37Cl17 + 19F9 + 4.103 MeV [-10.952 MeV] (A_Cr:113)
52Cr24 + 2 D* --> 38Ar18 + 18O8 + 6.351 MeV [-8.705 MeV] (A_Cr:114)
52Cr24 + 2 D* --> 40Ar18 + 16O8 + 10.631 MeV [-4.424 MeV] (A_Cr:115)
52Cr24 + 2 D* --> 41K19 + 15N7 + 6.312 MeV [-8.743 MeV] (A_Cr:116)
52Cr24 + 2 D* --> 43Ca20 + 13C6 + 6.138 MeV [-8.917 MeV] (A_Cr:117)
52Cr24 + 2 D* --> 44Ca20 + 12C6 + 12.323 MeV [-2.732 MeV] (A_Cr:118)
52Cr24 + 2 D* --> 45Sc21 + 11B5 + 3.254 MeV [-11.801 MeV] (A_Cr:119)
52Cr24 + 2 D* --> 47Ti22 + 9Be4 + 4.439 MeV [-10.616 MeV] (A_Cr:120)
52Cr24 + 2 D* --> 50V23 + 6Li3 + 5.989 MeV [-9.066 MeV] (A_Cr:121)
52Cr24 + 2 D* --> 52Cr24 + 4He2 + 23.847 MeV [8.791 MeV] (A_Cr:122)
52Cr24 + 2 D* --> 53Cr24 + 3He2 + 11.208 MeV [-3.847 MeV] (A_Cr:123)
52Cr24 + 2 D* --> 55Mn25 + 1H1 + 21.276 MeV [6.221 MeV] (A_Cr:124)
52Cr24 + 2 D* --> 56Fe26 + 31.460 MeV [16.404 MeV] (A_Cr:125)

52Cr24 + 3 D* --> 37Cl17 + 21Ne10 + 21.484 MeV [-1.730 MeV] (A_Cr:126)
52Cr24 + 3 D* --> 40K19 + 18O8 + 18.307 MeV [-4.906 MeV] (A_Cr:127)
52Cr24 + 3 D* --> 41K19 + 17O8 + 20.358 MeV [-2.855 MeV] (A_Cr:128)
52Cr24 + 3 D* --> 43Ca20 + 15N7 + 22.297 MeV [-0.916 MeV] (A_Cr:129)
52Cr24 + 3 D* --> 44Ca20 + 14N7 + 22.595 MeV [-0.618 MeV] (A_Cr:130)
52Cr24 + 3 D* --> 45Sc21 + 13C6 + 21.933 MeV [-1.280 MeV] (A_Cr:131)
52Cr24 + 3 D* --> 47Ti22 + 11B5 + 20.255 MeV [-2.959 MeV] (A_Cr:132)
52Cr24 + 3 D* --> 48Ti22 + 10B5 + 20.427 MeV [-2.786 MeV] (A_Cr:133)
52Cr24 + 3 D* --> 52Cr24 + 6Li3 + 25.320 MeV [2.107 MeV] (A_Cr:134)
52Cr24 + 3 D* --> 55Mn25 + 3He2 + 26.770 MeV [3.556 MeV] (A_Cr:135)
52Cr24 + 3 D* --> 56Fe26 + 2H1 + 31.460 MeV [8.247 MeV] (A_Cr:136)
52Cr24 + 3 D* --> 57Fe26 + 1H1 + 36.881 MeV [13.668 MeV] (A_Cr:137)

52Cr24 + 4 D* --> 30Si14 + 30Si14 + 45.992 MeV [14.211 MeV] (A_Cr:138)
52Cr24 + 4 D* --> 34S16 + 26Mg12 + 43.272 MeV [11.492 MeV] (A_Cr:139)
52Cr24 + 4 D* --> 36S16 + 24Mg12 + 41.724 MeV [9.943 MeV] (A_Cr:140)
52Cr24 + 4 D* --> 37Cl17 + 23Na11 + 38.417 MeV [6.637 MeV] (A_Cr:141)
52Cr24 + 4 D* --> 38Ar18 + 22Ne10 + 39.865 MeV [8.085 MeV] (A_Cr:142)
52Cr24 + 4 D* --> 40Ar18 + 20Ne10 + 39.208 MeV [7.427 MeV] (A_Cr:143)
52Cr24 + 4 D* --> 41K19 + 19F9 + 34.172 MeV [2.392 MeV] (A_Cr:144)
52Cr24 + 4 D* --> 42Ca20 + 18O8 + 36.455 MeV [4.674 MeV] (A_Cr:145)
52Cr24 + 4 D* --> 43Ca20 + 17O8 + 36.343 MeV [4.563 MeV] (A_Cr:146)
52Cr24 + 4 D* --> 44Ca20 + 16O8 + 43.331 MeV [11.551 MeV] (A_Cr:147)

52Cr24 + 4 D* --> 45Sc21 + 15N7 + 38.092 MeV [6.312 MeV] (A_Cr:148)
52Cr24 + 4 D* --> 47Ti22 + 13C6 + 38.933 MeV [7.153 MeV] (A_Cr:149)
52Cr24 + 4 D* --> 48Ti22 + 12C6 + 45.614 MeV [13.833 MeV] (A_Cr:150)
52Cr24 + 4 D* --> 50V23 + 10B5 + 34.297 MeV [2.516 MeV] (A_Cr:151)
52Cr24 + 4 D* --> 56Fe26 + 4He2 + 55.306 MeV [23.526 MeV] (A_Cr:152)
52Cr24 + 4 D* --> 57Fe26 + 3He2 + 42.375 MeV [10.594 MeV] (A_Cr:153)
52Cr24 + 4 D* --> 59Co27 + 1H1 + 52.065 MeV [20.285 MeV] (A_Cr:154)
52Cr24 + 4 D* --> 60Ni28 + 61.598 MeV [29.818 MeV] (A_Cr:155)

52Cr24 + 5 D* --> 37Cl17 + 25Mg12 + 55.216 MeV [14.467 MeV] (A_Cr:156)
52Cr24 + 5 D* --> 40K19 + 22Ne10 + 51.822 MeV [11.073 MeV] (A_Cr:157)
52Cr24 + 5 D* --> 41K19 + 21Ne10 + 51.553 MeV [10.804 MeV] (A_Cr:158)
52Cr24 + 5 D* --> 43Ca20 + 19F9 + 50.158 MeV [9.409 MeV] (A_Cr:159)
52Cr24 + 5 D* --> 45Sc21 + 17O8 + 52.138 MeV [11.389 MeV] (A_Cr:160)
52Cr24 + 5 D* --> 47Ti22 + 15N7 + 55.093 MeV [14.344 MeV] (A_Cr:161)
52Cr24 + 5 D* --> 48Ti22 + 14N7 + 55.886 MeV [15.137 MeV] (A_Cr:162)
52Cr24 + 5 D* --> 50V23 + 12C6 + 59.483 MeV [18.734 MeV] (A_Cr:163)
52Cr24 + 5 D* --> 52Cr24 + 10B5 + 53.628 MeV [12.879 MeV] (A_Cr:164)
52Cr24 + 5 D* --> 56Fe26 + 6Li3 + 56.780 MeV [16.031 MeV] (A_Cr:165)
52Cr24 + 5 D* --> 59Co27 + 3He2 + 57.559 MeV [16.810 MeV] (A_Cr:166)
52Cr24 + 5 D* --> 60Ni28 + 2H1 + 61.598 MeV [20.849 MeV] (A_Cr:167)
52Cr24 + 5 D* --> 61Ni28 + 1H1 + 67.194 MeV [26.445 MeV] (A_Cr:168)

52Cr24 + 6 D* --> 34S16 + 30Si14 + 77.762 MeV [27.650 MeV] (A_Cr:169)
52Cr24 + 6 D* --> 36S16 + 28Si14 + 75.554 MeV [25.442 MeV] (A_Cr:170)
52Cr24 + 6 D* --> 37Cl17 + 27Al13 + 72.356 MeV [22.244 MeV] (A_Cr:171)
52Cr24 + 6 D* --> 38Ar18 + 26Mg12 + 74.327 MeV [24.215 MeV] (A_Cr:172)
52Cr24 + 6 D* --> 40Ar18 + 24Mg12 + 72.371 MeV [22.259 MeV] (A_Cr:173)
52Cr24 + 6 D* --> 41K19 + 23Na11 + 68.486 MeV [18.374 MeV] (A_Cr:174)
52Cr24 + 6 D* --> 42Ca20 + 22Ne10 + 69.969 MeV [19.857 MeV] (A_Cr:175)
52Cr24 + 6 D* --> 43Ca20 + 21Ne10 + 67.538 MeV [17.426 MeV] (A_Cr:176)
52Cr24 + 6 D* --> 44Ca20 + 20Ne10 + 71.908 MeV [21.796 MeV] (A_Cr:177)
52Cr24 + 6 D* --> 45Sc21 + 19F9 + 65.953 MeV [15.841 MeV] (A_Cr:178)
52Cr24 + 6 D* --> 46Ti22 + 18O8 + 68.302 MeV [18.190 MeV] (A_Cr:179)
52Cr24 + 6 D* --> 47Ti22 + 17O8 + 69.139 MeV [19.027 MeV] (A_Cr:180)
52Cr24 + 6 D* --> 48Ti22 + 16O8 + 76.622 MeV [26.510 MeV] (A_Cr:181)
52Cr24 + 6 D* --> 50V23 + 14N7 + 69.756 MeV [19.644 MeV] (A_Cr:182)
52Cr24 + 6 D* --> 52Cr24 + 12C6 + 78.814 MeV [28.702 MeV] (A_Cr:183)
52Cr24 + 6 D* --> 60Ni28 + 4He2 + 85.445 MeV [35.333 MeV] (A_Cr:184)
52Cr24 + 6 D* --> 61Ni28 + 3He2 + 72.687 MeV [22.575 MeV] (A_Cr:185)
52Cr24 + 6 D* --> 63Cu29 + 1H1 + 81.688 MeV [31.576 MeV] (A_Cr:186)
52Cr24 + 6 D* --> 64Zn30 + 89.401 MeV [39.289 MeV] (A_Cr:187)

52Cr24 + 7 D* --> 37Cl17 + 29Si14 + 90.190 MeV [30.327 MeV] (A_Cr:188)
52Cr24 + 7 D* --> 40K19 + 26Mg12 + 86.283 MeV [26.420 MeV] (A_Cr:189)
52Cr24 + 7 D* --> 41K19 + 25Mg12 + 85.285 MeV [25.422 MeV] (A_Cr:190)
52Cr24 + 7 D* --> 43Ca20 + 23Na11 + 84.472 MeV [24.609 MeV] (A_Cr:191)
52Cr24 + 7 D* --> 45Sc21 + 21Ne10 + 83.333 MeV [23.470 MeV] (A_Cr:192)
52Cr24 + 7 D* --> 47Ti22 + 19F9 + 82.953 MeV [23.090 MeV] (A_Cr:193)
52Cr24 + 7 D* --> 50V23 + 16O8 + 90.492 MeV [30.629 MeV] (A_Cr:194)
52Cr24 + 7 D* --> 52Cr24 + 14N7 + 89.087 MeV [29.224 MeV] (A_Cr:195)
52Cr24 + 7 D* --> 56Fe26 + 10B5 + 85.088 MeV [25.225 MeV] (A_Cr:196)
52Cr24 + 7 D* --> 60Ni28 + 6Li3 + 86.918 MeV [27.056 MeV] (A_Cr:197)
52Cr24 + 7 D* --> 63Cu29 + 3He2 + 87.181 MeV [27.319 MeV] (A_Cr:198)

52Cr24 + 7 D* --> 64Zn30 + 2H1 + 89.401 MeV [29.538 MeV] (A_Cr:199)

52Cr24 + 8 D* --> 34S16 + 34S16 + 109.532 MeV [39.537 MeV] (A_Cr:200)
52Cr24 + 8 D* --> 36S16 + 32S16 + 106.349 MeV [36.353 MeV] (A_Cr:201)
52Cr24 + 8 D* --> 37Cl17 + 31P15 + 105.871 MeV [35.876 MeV] (A_Cr:202)
52Cr24 + 8 D* --> 38Ar18 + 30Si14 + 108.816 MeV [38.821 MeV] (A_Cr:203)
52Cr24 + 8 D* --> 40Ar18 + 28Si14 + 106.202 MeV [36.206 MeV] (A_Cr:204)
52Cr24 + 8 D* --> 41K19 + 27Al13 + 102.425 MeV [32.429 MeV] (A_Cr:205)
52Cr24 + 8 D* --> 42Ca20 + 26Mg12 + 104.430 MeV [34.435 MeV] (A_Cr:206)
52Cr24 + 8 D* --> 43Ca20 + 25Mg12 + 101.270 MeV [31.275 MeV] (A_Cr:207)
52Cr24 + 8 D* --> 44Ca20 + 24Mg12 + 105.071 MeV [35.076 MeV] (A_Cr:208)
52Cr24 + 8 D* --> 45Sc21 + 23Na11 + 100.266 MeV [30.271 MeV] (A_Cr:209)
52Cr24 + 8 D* --> 46Ti22 + 22Ne10 + 101.817 MeV [31.822 MeV] (A_Cr:210)
52Cr24 + 8 D* --> 47Ti22 + 21Ne10 + 100.333 MeV [30.338 MeV] (A_Cr:211)
52Cr24 + 8 D* --> 48Ti22 + 20Ne10 + 105.199 MeV [35.203 MeV] (A_Cr:212)
52Cr24 + 8 D* --> 50Cr24 + 18O8 + 100.710 MeV [30.715 MeV] (A_Cr:213)
52Cr24 + 8 D* --> 52Cr24 + 16O8 + 109.823 MeV [39.828 MeV] (A_Cr:214)
52Cr24 + 8 D* --> 56Fe26 + 12C6 + 110.274 MeV [40.279 MeV] (A_Cr:215)
52Cr24 + 8 D* --> 64Zn30 + 4He2 + 113.248 MeV [43.252 MeV] (A_Cr:216)

52Cr24 + 9 D* --> 37Cl17 + 33S16 + 121.152 MeV [40.649 MeV] (A_Cr:217)
52Cr24 + 9 D* --> 40K19 + 30Si14 + 120.773 MeV [40.270 MeV] (A_Cr:218)
52Cr24 + 9 D* --> 41K19 + 29Si14 + 120.259 MeV [39.756 MeV] (A_Cr:219)
52Cr24 + 9 D* --> 43Ca20 + 27Al13 + 118.410 MeV [37.907 MeV] (A_Cr:220)
52Cr24 + 9 D* --> 45Sc21 + 25Mg12 + 117.065 MeV [36.562 MeV] (A_Cr:221)
52Cr24 + 9 D* --> 47Ti22 + 23Na11 + 117.267 MeV [36.764 MeV] (A_Cr:222)
52Cr24 + 9 D* --> 50V23 + 20Ne10 + 119.068 MeV [38.565 MeV] (A_Cr:223)
52Cr24 + 9 D* --> 56Fe26 + 14N7 + 120.546 MeV [40.043 MeV] (A_Cr:224)
52Cr24 + 9 D* --> 60Ni28 + 10B5 + 115.226 MeV [34.723 MeV] (A_Cr:225)
52Cr24 + 9 D* --> 64Zn30 + 6Li3 + 114.721 MeV [34.218 MeV] (A_Cr:226)

52Cr24 + 10 D* --> 36S16 + 36Ar18 + 136.836 MeV [45.455 MeV] (A_Cr:227)
52Cr24 + 10 D* --> 37Cl17 + 35Cl17 + 136.715 MeV [45.334 MeV] (A_Cr:228)
52Cr24 + 10 D* --> 36Ar18 + 36S16 + 136.836 MeV [45.455 MeV] (A_Cr:229)
52Cr24 + 10 D* --> 38Ar18 + 34S16 + 140.587 MeV [49.206 MeV] (A_Cr:230)
52Cr24 + 10 D* --> 40Ar18 + 32S16 + 136.996 MeV [45.615 MeV] (A_Cr:231)
52Cr24 + 10 D* --> 41K19 + 31P15 + 135.940 MeV [44.559 MeV] (A_Cr:232)
52Cr24 + 10 D* --> 42Ca20 + 30Si14 + 138.920 MeV [47.539 MeV] (A_Cr:233)
52Cr24 + 10 D* --> 43Ca20 + 29Si14 + 136.244 MeV [44.863 MeV] (A_Cr:234)
52Cr24 + 10 D* --> 44Ca20 + 28Si14 + 138.902 MeV [47.521 MeV] (A_Cr:235)
52Cr24 + 10 D* --> 45Sc21 + 27Al13 + 134.205 MeV [42.824 MeV] (A_Cr:236)
52Cr24 + 10 D* --> 46Ti22 + 26Mg12 + 136.278 MeV [44.897 MeV] (A_Cr:237)
52Cr24 + 10 D* --> 47Ti22 + 25Mg12 + 134.066 MeV [42.685 MeV] (A_Cr:238)
52Cr24 + 10 D* --> 48Ti22 + 24Mg12 + 138.362 MeV [46.981 MeV] (A_Cr:239)
52Cr24 + 10 D* --> 50Cr24 + 22Ne10 + 134.225 MeV [42.844 MeV] (A_Cr:240)
52Cr24 + 10 D* --> 52Cr24 + 20Ne10 + 138.399 MeV [47.018 MeV] (A_Cr:241)
52Cr24 + 10 D* --> 54Fe26 + 18O8 + 132.974 MeV [41.593 MeV] (A_Cr:242)
52Cr24 + 10 D* --> 56Fe26 + 16O8 + 141.283 MeV [49.902 MeV] (A_Cr:243)
52Cr24 + 10 D* --> 60Ni28 + 12C6 + 140.412 MeV [49.031 MeV] (A_Cr:244)

52Cr24 + 11 D* --> 40K19 + 34S16 + 152.543 MeV [49.919 MeV] (A_Cr:245)
52Cr24 + 11 D* --> 41K19 + 33S16 + 151.221 MeV [48.598 MeV] (A_Cr:246)
52Cr24 + 11 D* --> 43Ca20 + 31P15 + 151.926 MeV [49.302 MeV] (A_Cr:247)
52Cr24 + 11 D* --> 45Sc21 + 29Si14 + 152.039 MeV [49.415 MeV] (A_Cr:248)

52Cr24 + 11 D* --> 47Ti22 + 27Al13 + 151.205 MeV [48.582 MeV] (A_Cr:249)
52Cr24 + 11 D* --> 50V23 + 24Mg12 + 152.231 MeV [49.608 MeV] (A_Cr:250)
52Cr24 + 11 D* --> 60Ni28 + 14N7 + 150.685 MeV [48.061 MeV] (A_Cr:251)
52Cr24 + 11 D* --> 64Zn30 + 10B5 + 143.029 MeV [40.405 MeV] (A_Cr:252)

52Cr24 + 12 D* --> 38Ar18 + 38Ar18 + 171.641 MeV [57.415 MeV] (A_Cr:253)
52Cr24 + 12 D* --> 40Ar18 + 36Ar18 + 167.483 MeV [53.257 MeV] (A_Cr:254)
52Cr24 + 12 D* --> 39K19 + 37Cl17 + 167.780 MeV [53.555 MeV] (A_Cr:255)
52Cr24 + 12 D* --> 41K19 + 35Cl17 + 166.784 MeV [52.559 MeV] (A_Cr:256)
52Cr24 + 12 D* --> 40Ca20 + 36S16 + 167.722 MeV [53.496 MeV] (A_Cr:257)
52Cr24 + 12 D* --> 42Ca20 + 34S16 + 170.691 MeV [56.465 MeV] (A_Cr:258)
52Cr24 + 12 D* --> 43Ca20 + 33S16 + 167.206 MeV [52.981 MeV] (A_Cr:259)
52Cr24 + 12 D* --> 44Ca20 + 32S16 + 169.696 MeV [55.470 MeV] (A_Cr:260)
52Cr24 + 12 D* --> 45Sc21 + 31P15 + 167.720 MeV [53.495 MeV] (A_Cr:261)
52Cr24 + 12 D* --> 46Ti22 + 30Si14 + 170.768 MeV [56.542 MeV] (A_Cr:262)
52Cr24 + 12 D* --> 47Ti22 + 29Si14 + 169.039 MeV [54.813 MeV] (A_Cr:263)
52Cr24 + 12 D* --> 48Ti22 + 28Si14 + 172.192 MeV [57.967 MeV] (A_Cr:264)
52Cr24 + 12 D* --> 50Cr24 + 26Mg12 + 168.686 MeV [54.460 MeV] (A_Cr:265)
52Cr24 + 12 D* --> 52Cr24 + 24Mg12 + 171.562 MeV [57.337 MeV] (A_Cr:266)
52Cr24 + 12 D* --> 54Fe26 + 22Ne10 + 166.489 MeV [52.263 MeV] (A_Cr:267)
52Cr24 + 12 D* --> 56Fe26 + 20Ne10 + 169.859 MeV [55.633 MeV] (A_Cr:268)
52Cr24 + 12 D* --> 58Ni28 + 18O8 + 163.221 MeV [48.995 MeV] (A_Cr:269)
52Cr24 + 12 D* --> 60Ni28 + 16O8 + 171.421 MeV [57.195 MeV] (A_Cr:270)
52Cr24 + 12 D* --> 64Zn30 + 12C6 + 168.215 MeV [53.990 MeV] (A_Cr:271)

53Cr24 + D* --> 51V23 + 4He2 + 7.627 MeV [00.357 MeV] (A_Cr:272)
53Cr24 + D* --> 54Cr24 + 1H1 + 7.495 MeV [00.224 MeV] (A_Cr:273)
53Cr24 + D* --> 55Mn25 + 15.562 MeV [8.291 MeV] (A_Cr:274)

53Cr24 + 2 D* --> 36S16 + 21Ne10 + 7.383 MeV [-7.584 MeV] (A_Cr:275)
53Cr24 + 2 D* --> 40Ar18 + 17O8 + 6.835 MeV [-8.131 MeV] (A_Cr:276)
53Cr24 + 2 D* --> 44Ca20 + 13C6 + 9.330 MeV [-5.637 MeV] (A_Cr:277)
53Cr24 + 2 D* --> 48Ti22 + 9Be4 + 8.127 MeV [-6.840 MeV] (A_Cr:278)
53Cr24 + 2 D* --> 50V23 + 7Li3 + 5.300 MeV [-9.667 MeV] (A_Cr:279)
53Cr24 + 2 D* --> 51V23 + 6Li3 + 9.101 MeV [-5.866 MeV] (A_Cr:280)
53Cr24 + 2 D* --> 53Cr24 + 4He2 + 23.847 MeV [8.880 MeV] (A_Cr:281)
53Cr24 + 2 D* --> 54Cr24 + 3He2 + 12.988 MeV [-1.979 MeV] (A_Cr:282)
53Cr24 + 2 D* --> 55Mn25 + 2H1 + 15.562 MeV [00.595 MeV] (A_Cr:283)
53Cr24 + 2 D* --> 57Fe26 + 31.167 MeV [16.200 MeV] (A_Cr:284)

53Cr24 + 3 D* --> 36S16 + 23Na11 + 24.316 MeV [1.235 MeV] (A_Cr:285)
53Cr24 + 3 D* --> 37Cl17 + 22Ne10 + 23.909 MeV [00.827 MeV] (A_Cr:286)
53Cr24 + 3 D* --> 40Ar18 + 19F9 + 20.650 MeV [-2.432 MeV] (A_Cr:287)
53Cr24 + 3 D* --> 41K19 + 18O8 + 20.463 MeV [-2.618 MeV] (A_Cr:288)
53Cr24 + 3 D* --> 44Ca20 + 15N7 + 25.489 MeV [2.408 MeV] (A_Cr:289)
53Cr24 + 3 D* --> 48Ti22 + 11B5 + 23.942 MeV [00.861 MeV] (A_Cr:290)
53Cr24 + 3 D* --> 49Ti22 + 10B5 + 20.630 MeV [-2.451 MeV] (A_Cr:291)
53Cr24 + 3 D* --> 50V23 + 9Be4 + 21.996 MeV [-1.085 MeV] (A_Cr:292)
53Cr24 + 3 D* --> 52Cr24 + 7Li3 + 24.631 MeV [1.550 MeV] (A_Cr:293)
53Cr24 + 3 D* --> 53Cr24 + 6Li3 + 25.320 MeV [2.239 MeV] (A_Cr:294)
53Cr24 + 3 D* --> 55Mn25 + 4He2 + 39.408 MeV [16.327 MeV] (A_Cr:295)
53Cr24 + 3 D* --> 57Fe26 + 2H1 + 31.167 MeV [8.085 MeV] (A_Cr:296)
53Cr24 + 3 D* --> 58Fe26 + 1H1 + 38.987 MeV [15.905 MeV] (A_Cr:297)
53Cr24 + 3 D* --> 59Co27 + 46.351 MeV [23.269 MeV] (A_Cr:298)

53Cr24 + 4 D* --> 36S16 + 25Mg12 + 41.115 MeV [9.509 MeV] (A_Cr:299)
53Cr24 + 4 D* --> 40Ar18 + 21Ne10 + 38.030 MeV [6.424 MeV] (A_Cr:300)
53Cr24 + 4 D* --> 43Ca20 + 18O8 + 36.448 MeV [4.843 MeV] (A_Cr:301)
53Cr24 + 4 D* --> 44Ca20 + 17O8 + 39.535 MeV [7.930 MeV] (A_Cr:302)
53Cr24 + 4 D* --> 48Ti22 + 13C6 + 42.621 MeV [11.015 MeV] (A_Cr:303)
53Cr24 + 4 D* --> 49Ti22 + 12C6 + 45.817 MeV [14.211 MeV] (A_Cr:304)
53Cr24 + 4 D* --> 50V23 + 11B5 + 37.812 MeV [6.206 MeV] (A_Cr:305)
53Cr24 + 4 D* --> 51V23 + 10B5 + 37.409 MeV [5.803 MeV] (A_Cr:306)
53Cr24 + 4 D* --> 52Cr24 + 9Be4 + 41.327 MeV [9.722 MeV] (A_Cr:307)
53Cr24 + 4 D* --> 55Mn25 + 6Li3 + 40.882 MeV [9.276 MeV] (A_Cr:308)
53Cr24 + 4 D* --> 57Fe26 + 4He2 + 55.013 MeV [23.408 MeV] (A_Cr:309)
53Cr24 + 4 D* --> 58Fe26 + 3He2 + 44.480 MeV [12.875 MeV] (A_Cr:310)
53Cr24 + 4 D* --> 59Co27 + 2H1 + 46.351 MeV [14.745 MeV] (A_Cr:311)
53Cr24 + 4 D* --> 61Ni28 + 61.479 MeV [29.873 MeV] (A_Cr:312)

53Cr24 + 5 D* --> 36S16 + 27Al13 + 58.255 MeV [17.722 MeV] (A_Cr:313)
53Cr24 + 5 D* --> 37Cl17 + 26Mg12 + 58.370 MeV [17.838 MeV] (A_Cr:314)
53Cr24 + 5 D* --> 40Ar18 + 23Na11 + 54.964 MeV [14.431 MeV] (A_Cr:315)
53Cr24 + 5 D* --> 41K19 + 22Ne10 + 53.978 MeV [13.445 MeV] (A_Cr:316)
53Cr24 + 5 D* --> 44Ca20 + 19F9 + 53.350 MeV [12.818 MeV] (A_Cr:317)
53Cr24 + 5 D* --> 45Sc21 + 18O8 + 52.243 MeV [11.711 MeV] (A_Cr:318)
53Cr24 + 5 D* --> 48Ti22 + 15N7 + 58.780 MeV [18.248 MeV] (A_Cr:319)
53Cr24 + 5 D* --> 49Ti22 + 14N7 + 56.089 MeV [15.557 MeV] (A_Cr:320)
53Cr24 + 5 D* --> 50V23 + 13C6 + 56.490 MeV [15.958 MeV] (A_Cr:321)
53Cr24 + 5 D* --> 51V23 + 12C6 + 62.595 MeV [22.063 MeV] (A_Cr:322)
53Cr24 + 5 D* --> 52Cr24 + 11B5 + 57.143 MeV [16.611 MeV] (A_Cr:323)
53Cr24 + 5 D* --> 53Cr24 + 10B5 + 53.628 MeV [13.096 MeV] (A_Cr:324)
53Cr24 + 5 D* --> 56Fe26 + 7Li3 + 56.091 MeV [15.559 MeV] (A_Cr:325)
53Cr24 + 5 D* --> 57Fe26 + 6Li3 + 56.487 MeV [15.955 MeV] (A_Cr:326)
53Cr24 + 5 D* --> 59Co27 + 4He2 + 70.197 MeV [29.665 MeV] (A_Cr:327)
53Cr24 + 5 D* --> 61Ni28 + 2H1 + 61.479 MeV [20.947 MeV] (A_Cr:328)
53Cr24 + 5 D* --> 62Ni28 + 1H1 + 69.851 MeV [29.319 MeV] (A_Cr:329)
53Cr24 + 5 D* --> 63Cu29 + 75.973 MeV [35.441 MeV] (A_Cr:330)

53Cr24 + 6 D* --> 36S16 + 29Si14 + 76.089 MeV [26.235 MeV] (A_Cr:331)
53Cr24 + 6 D* --> 40Ar18 + 25Mg12 + 71.762 MeV [21.909 MeV] (A_Cr:332)
53Cr24 + 6 D* --> 43Ca20 + 22Ne10 + 69.963 MeV [20.109 MeV] (A_Cr:333)
53Cr24 + 6 D* --> 44Ca20 + 21Ne10 + 70.730 MeV [20.876 MeV] (A_Cr:334)
53Cr24 + 6 D* --> 47Ti22 + 18O8 + 69.244 MeV [19.390 MeV] (A_Cr:335)
53Cr24 + 6 D* --> 48Ti22 + 17O8 + 72.826 MeV [22.972 MeV] (A_Cr:336)
53Cr24 + 6 D* --> 49Ti22 + 16O8 + 76.825 MeV [26.972 MeV] (A_Cr:337)
53Cr24 + 6 D* --> 50V23 + 15N7 + 72.650 MeV [22.796 MeV] (A_Cr:338)
53Cr24 + 6 D* --> 51V23 + 14N7 + 72.868 MeV [23.014 MeV] (A_Cr:339)
53Cr24 + 6 D* --> 52Cr24 + 13C6 + 75.822 MeV [25.968 MeV] (A_Cr:340)
53Cr24 + 6 D* --> 53Cr24 + 12C6 + 78.814 MeV [28.961 MeV] (A_Cr:341)
53Cr24 + 6 D* --> 55Mn25 + 10B5 + 69.189 MeV [19.336 MeV] (A_Cr:342)
53Cr24 + 6 D* --> 56Fe26 + 9Be4 + 72.787 MeV [22.934 MeV] (A_Cr:343)
53Cr24 + 6 D* --> 59Co27 + 6Li3 + 71.671 MeV [21.818 MeV] (A_Cr:344)
53Cr24 + 6 D* --> 61Ni28 + 4He2 + 85.326 MeV [35.472 MeV] (A_Cr:345)
53Cr24 + 6 D* --> 62Ni28 + 3He2 + 75.344 MeV [25.491 MeV] (A_Cr:346)
53Cr24 + 6 D* --> 63Cu29 + 2H1 + 75.973 MeV [26.120 MeV] (A_Cr:347)

53Cr24 + 7 D* --> 36S16 + 31P15 + 91.770 MeV [32.207 MeV] (A_Cr:348)

53Cr24 + 7 D* --> 37Cl17 + 30Si14 + 92.860 MeV [33.296 MeV] (A_Cr:349)
53Cr24 + 7 D* --> 40Ar18 + 27Al13 + 88.902 MeV [29.338 MeV] (A_Cr:350)
53Cr24 + 7 D* --> 41K19 + 26Mg12 + 88.439 MeV [28.875 MeV] (A_Cr:351)
53Cr24 + 7 D* --> 44Ca20 + 23Na11 + 87.664 MeV [28.100 MeV] (A_Cr:352)
53Cr24 + 7 D* --> 45Sc21 + 22Ne10 + 85.758 MeV [26.194 MeV] (A_Cr:353)
53Cr24 + 7 D* --> 48Ti22 + 19F9 + 86.640 MeV [27.077 MeV] (A_Cr:354)
53Cr24 + 7 D* --> 50V23 + 17O8 + 86.696 MeV [27.132 MeV] (A_Cr:355)
53Cr24 + 7 D* --> 51V23 + 16O8 + 93.604 MeV [34.040 MeV] (A_Cr:356)
53Cr24 + 7 D* --> 52Cr24 + 15N7 + 91.981 MeV [32.417 MeV] (A_Cr:357)
53Cr24 + 7 D* --> 53Cr24 + 14N7 + 89.087 MeV [29.523 MeV] (A_Cr:358)
53Cr24 + 7 D* --> 55Mn25 + 12C6 + 94.376 MeV [34.812 MeV] (A_Cr:359)
53Cr24 + 7 D* --> 56Fe26 + 11B5 + 88.603 MeV [29.039 MeV] (A_Cr:360)
53Cr24 + 7 D* --> 57Fe26 + 10B5 + 84.795 MeV [25.231 MeV] (A_Cr:361)
53Cr24 + 7 D* --> 60Ni28 + 7Li3 + 86.229 MeV [26.666 MeV] (A_Cr:362)
53Cr24 + 7 D* --> 61Ni28 + 6Li3 + 86.799 MeV [27.236 MeV] (A_Cr:363)
53Cr24 + 7 D* --> 63Cu29 + 4He2 + 99.820 MeV [40.256 MeV] (A_Cr:364)
53Cr24 + 7 D* --> 66Zn30 + 1H1 + 98.276 MeV [38.712 MeV] (A_Cr:365)

53Cr24 + 8 D* --> 36S16 + 33S16 + 107.051 MeV [37.396 MeV] (A_Cr:366)
53Cr24 + 8 D* --> 40Ar18 + 29Si14 + 106.736 MeV [37.081 MeV] (A_Cr:367)
53Cr24 + 8 D* --> 43Ca20 + 26Mg12 + 104.424 MeV [34.769 MeV] (A_Cr:368)
53Cr24 + 8 D* --> 44Ca20 + 25Mg12 + 104.462 MeV [34.807 MeV] (A_Cr:369)
53Cr24 + 8 D* --> 47Ti22 + 22Ne10 + 102.758 MeV [33.103 MeV] (A_Cr:370)
53Cr24 + 8 D* --> 48Ti22 + 21Ne10 + 104.021 MeV [34.365 MeV] (A_Cr:371)
53Cr24 + 8 D* --> 49Ti22 + 20Ne10 + 105.402 MeV [35.746 MeV] (A_Cr:372)
53Cr24 + 8 D* --> 50V23 + 19F9 + 100.510 MeV [30.855 MeV] (A_Cr:373)
53Cr24 + 8 D* --> 52Cr24 + 17O8 + 106.027 MeV [36.371 MeV] (A_Cr:374)
53Cr24 + 8 D* --> 53Cr24 + 16O8 + 109.823 MeV [40.167 MeV] (A_Cr:375)
53Cr24 + 8 D* --> 55Mn25 + 14N7 + 104.648 MeV [34.993 MeV] (A_Cr:376)
53Cr24 + 8 D* --> 56Fe26 + 13C6 + 107.281 MeV [37.626 MeV] (A_Cr:377)
53Cr24 + 8 D* --> 57Fe26 + 12C6 + 109.981 MeV [40.326 MeV] (A_Cr:378)
53Cr24 + 8 D* --> 59Co27 + 10B5 + 99.979 MeV [30.323 MeV] (A_Cr:379)
53Cr24 + 8 D* --> 60Ni28 + 9Be4 + 102.925 MeV [33.270 MeV] (A_Cr:380)
53Cr24 + 8 D* --> 63Cu29 + 6Li3 + 101.294 MeV [31.638 MeV] (A_Cr:381)
53Cr24 + 8 D* --> 66Zn30 + 3He2 + 103.769 MeV [34.114 MeV] (A_Cr:382)

53Cr24 + 9 D* --> 36S16 + 35Cl17 + 122.614 MeV [42.491 MeV] (A_Cr:383)
53Cr24 + 9 D* --> 37Cl17 + 34S16 + 124.630 MeV [44.507 MeV] (A_Cr:384)
53Cr24 + 9 D* --> 40Ar18 + 31P15 + 122.418 MeV [42.294 MeV] (A_Cr:385)
53Cr24 + 9 D* --> 41K19 + 30Si14 + 122.929 MeV [42.805 MeV] (A_Cr:386)
53Cr24 + 9 D* --> 44Ca20 + 27Al13 + 121.602 MeV [41.479 MeV] (A_Cr:387)
53Cr24 + 9 D* --> 45Sc21 + 26Mg12 + 120.219 MeV [40.096 MeV] (A_Cr:388)
53Cr24 + 9 D* --> 48Ti22 + 23Na11 + 120.954 MeV [40.831 MeV] (A_Cr:389)
53Cr24 + 9 D* --> 50V23 + 21Ne10 + 117.890 MeV [37.767 MeV] (A_Cr:390)
53Cr24 + 9 D* --> 51V23 + 20Ne10 + 122.180 MeV [42.057 MeV] (A_Cr:391)
53Cr24 + 9 D* --> 52Cr24 + 19F9 + 119.841 MeV [39.718 MeV] (A_Cr:392)
53Cr24 + 9 D* --> 55Mn25 + 16O8 + 125.384 MeV [45.261 MeV] (A_Cr:393)
53Cr24 + 9 D* --> 56Fe26 + 15N7 + 123.441 MeV [43.317 MeV] (A_Cr:394)
53Cr24 + 9 D* --> 57Fe26 + 14N7 + 120.253 MeV [40.130 MeV] (A_Cr:395)
53Cr24 + 9 D* --> 59Co27 + 12C6 + 125.165 MeV [45.042 MeV] (A_Cr:396)
53Cr24 + 9 D* --> 60Ni28 + 11B5 + 118.741 MeV [38.618 MeV] (A_Cr:397)
53Cr24 + 9 D* --> 61Ni28 + 10B5 + 115.107 MeV [34.984 MeV] (A_Cr:398)
53Cr24 + 9 D* --> 64Zn30 + 7Li3 + 114.032 MeV [33.909 MeV] (A_Cr:399)
53Cr24 + 9 D* --> 70Ge32 + 1H1 + 126.211 MeV [46.088 MeV] (A_Cr:400)

53Cr24 + 10 D* --> 40Ar18 + 33S16 + 137.698 MeV [46.737 MeV] (A_Cr:401)
53Cr24 + 10 D* --> 43Ca20 + 30Si14 + 138.914 MeV [47.952 MeV] (A_Cr:402)
53Cr24 + 10 D* --> 44Ca20 + 29Si14 + 139.436 MeV [48.474 MeV] (A_Cr:403)
53Cr24 + 10 D* --> 47Ti22 + 26Mg12 + 137.219 MeV [46.258 MeV] (A_Cr:404)
53Cr24 + 10 D* --> 48Ti22 + 25Mg12 + 137.753 MeV [46.791 MeV] (A_Cr:405)
53Cr24 + 10 D* --> 49Ti22 + 24Mg12 + 138.565 MeV [47.603 MeV] (A_Cr:406)
53Cr24 + 10 D* --> 50V23 + 23Na11 + 134.824 MeV [43.862 MeV] (A_Cr:407)
53Cr24 + 10 D* --> 52Cr24 + 21Ne10 + 137.221 MeV [46.259 MeV] (A_Cr:408)
53Cr24 + 10 D* --> 53Cr24 + 20Ne10 + 138.399 MeV [47.437 MeV] (A_Cr:409)
53Cr24 + 10 D* --> 56Fe26 + 17O8 + 137.487 MeV [46.525 MeV] (A_Cr:410)
53Cr24 + 10 D* --> 57Fe26 + 16O8 + 140.990 MeV [50.028 MeV] (A_Cr:411)
53Cr24 + 10 D* --> 59Co27 + 14N7 + 135.437 MeV [44.476 MeV] (A_Cr:412)
53Cr24 + 10 D* --> 60Ni28 + 13C6 + 137.420 MeV [46.458 MeV] (A_Cr:413)
53Cr24 + 10 D* --> 61Ni28 + 12C6 + 140.293 MeV [49.332 MeV] (A_Cr:414)
53Cr24 + 10 D* --> 63Cu29 + 10B5 + 129.601 MeV [38.640 MeV] (A_Cr:415)
53Cr24 + 10 D* --> 64Zn30 + 9Be4 + 130.728 MeV [39.767 MeV] (A_Cr:416)
53Cr24 + 10 D* --> 70Ge32 + 3He2 + 131.704 MeV [40.743 MeV] (A_Cr:417)

53Cr24 + 11 D* --> 38Ar18 + 37Cl17 + 155.684 MeV [53.519 MeV] (A_Cr:418)
53Cr24 + 11 D* --> 40Ar18 + 35Cl17 + 153.262 MeV [51.096 MeV] (A_Cr:419)
53Cr24 + 11 D* --> 39K19 + 36S16 + 153.679 MeV [51.514 MeV] (A_Cr:420)
53Cr24 + 11 D* --> 41K19 + 34S16 + 154.699 MeV [52.534 MeV] (A_Cr:421)
53Cr24 + 11 D* --> 44Ca20 + 31P15 + 155.118 MeV [52.952 MeV] (A_Cr:422)
53Cr24 + 11 D* --> 45Sc21 + 30Si14 + 154.709 MeV [52.544 MeV] (A_Cr:423)
53Cr24 + 11 D* --> 48Ti22 + 27Al13 + 154.893 MeV [52.727 MeV] (A_Cr:424)
53Cr24 + 11 D* --> 50V23 + 25Mg12 + 151.623 MeV [49.457 MeV] (A_Cr:425)
53Cr24 + 11 D* --> 51V23 + 24Mg12 + 155.343 MeV [53.178 MeV] (A_Cr:426)
53Cr24 + 11 D* --> 52Cr24 + 23Na11 + 154.155 MeV [51.990 MeV] (A_Cr:427)
53Cr24 + 11 D* --> 55Mn25 + 20Ne10 + 153.961 MeV [51.795 MeV] (A_Cr:428)
53Cr24 + 11 D* --> 56Fe26 + 19F9 + 151.301 MeV [49.136 MeV] (A_Cr:429)
53Cr24 + 11 D* --> 59Co27 + 16O8 + 156.174 MeV [54.008 MeV] (A_Cr:430)
53Cr24 + 11 D* --> 60Ni28 + 15N7 + 153.579 MeV [51.413 MeV] (A_Cr:431)
53Cr24 + 11 D* --> 61Ni28 + 14N7 + 150.566 MeV [48.400 MeV] (A_Cr:432)
53Cr24 + 11 D* --> 63Cu29 + 12C6 + 154.788 MeV [52.622 MeV] (A_Cr:433)
53Cr24 + 11 D* --> 64Zn30 + 11B5 + 146.544 MeV [44.379 MeV] (A_Cr:434)
53Cr24 + 11 D* --> 74Se34 + 1H1 + 154.132 MeV [51.967 MeV] (A_Cr:435)

53Cr24 + 12 D* --> 40K19 + 37Cl17 + 167.641 MeV [53.912 MeV] (A_Cr:436)
53Cr24 + 12 D* --> 43Ca20 + 34S16 + 170.684 MeV [56.955 MeV] (A_Cr:437)
53Cr24 + 12 D* --> 44Ca20 + 33S16 + 170.398 MeV [56.669 MeV] (A_Cr:438)
53Cr24 + 12 D* --> 47Ti22 + 30Si14 + 171.709 MeV [57.980 MeV] (A_Cr:439)
53Cr24 + 12 D* --> 48Ti22 + 29Si14 + 172.727 MeV [58.998 MeV] (A_Cr:440)
53Cr24 + 12 D* --> 49Ti22 + 28Si14 + 172.396 MeV [58.666 MeV] (A_Cr:441)
53Cr24 + 12 D* --> 50V23 + 27Al13 + 168.762 MeV [55.033 MeV] (A_Cr:442)
53Cr24 + 12 D* --> 52Cr24 + 25Mg12 + 170.954 MeV [57.225 MeV] (A_Cr:443)
53Cr24 + 12 D* --> 53Cr24 + 24Mg12 + 171.562 MeV [57.833 MeV] (A_Cr:444)
53Cr24 + 12 D* --> 56Fe26 + 21Ne10 + 168.681 MeV [54.952 MeV] (A_Cr:445)
53Cr24 + 12 D* --> 57Fe26 + 20Ne10 + 169.566 MeV [55.837 MeV] (A_Cr:446)
53Cr24 + 12 D* --> 60Ni28 + 17O8 + 167.625 MeV [53.896 MeV] (A_Cr:447)
53Cr24 + 12 D* --> 61Ni28 + 16O8 + 171.302 MeV [57.573 MeV] (A_Cr:448)
53Cr24 + 12 D* --> 63Cu29 + 14N7 + 165.060 MeV [51.331 MeV] (A_Cr:449)
53Cr24 + 12 D* --> 64Zn30 + 13C6 + 165.223 MeV [51.493 MeV] (A_Cr:450)
53Cr24 + 12 D* --> 74Se34 + 3He2 + 159.625 MeV [45.896 MeV] (A_Cr:451)

54Cr24 + 2 D* --> 36S16 + 22Ne10 + 8.028 MeV [-6.853 MeV] (A_Cr:452)
54Cr24 + 2 D* --> 40Ar18 + 18O8 + 5.160 MeV [-9.720 MeV] (A_Cr:453)
54Cr24 + 2 D* --> 46Ca20 + 12C6 + 12.474 MeV [-2.406 MeV] (A_Cr:454)
54Cr24 + 2 D* --> 49Ti22 + 9Be4 + 6.550 MeV [-8.330 MeV] (A_Cr:455)
54Cr24 + 2 D* --> 51V23 + 7Li3 + 6.632 MeV [-8.248 MeV] (A_Cr:456)
54Cr24 + 2 D* --> 54Cr24 + 4He2 + 23.847 MeV [8.966 MeV] (A_Cr:457)
54Cr24 + 2 D* --> 58Fe26 + 31.492 MeV [16.612 MeV] (A_Cr:458)

54Cr24 + 3 D* --> 46Ca20 + 14N7 + 22.746 MeV [-0.206 MeV] (A_Cr:459)
54Cr24 + 3 D* --> 49Ti22 + 11B5 + 22.365 MeV [-0.587 MeV] (A_Cr:460)
54Cr24 + 3 D* --> 50Ti22 + 10B5 + 21.851 MeV [-1.102 MeV] (A_Cr:461)
54Cr24 + 3 D* --> 51V23 + 9Be4 + 23.328 MeV [00.376 MeV] (A_Cr:462)
54Cr24 + 3 D* --> 53Cr24 + 7Li3 + 22.851 MeV [-0.101 MeV] (A_Cr:463)
54Cr24 + 3 D* --> 54Cr24 + 6Li3 + 25.320 MeV [2.368 MeV] (A_Cr:464)
54Cr24 + 3 D* --> 58Fe26 + 2H1 + 31.492 MeV [8.540 MeV] (A_Cr:465)

54Cr24 + 4 D* --> 36S16 + 26Mg12 + 42.489 MeV [11.054 MeV] (A_Cr:466)
54Cr24 + 4 D* --> 40Ar18 + 22Ne10 + 38.675 MeV [7.240 MeV] (A_Cr:467)
54Cr24 + 4 D* --> 44Ca20 + 18O8 + 37.860 MeV [6.425 MeV] (A_Cr:468)
54Cr24 + 4 D* --> 46Ca20 + 16O8 + 43.482 MeV [12.048 MeV] (A_Cr:469)
54Cr24 + 4 D* --> 49Ti22 + 13C6 + 41.044 MeV [9.609 MeV] (A_Cr:470)
54Cr24 + 4 D* --> 50Ti22 + 12C6 + 47.037 MeV [15.602 MeV] (A_Cr:471)
54Cr24 + 4 D* --> 51V23 + 11B5 + 39.144 MeV [7.709 MeV] (A_Cr:472)
54Cr24 + 4 D* --> 53Cr24 + 9Be4 + 39.547 MeV [8.113 MeV] (A_Cr:473)
54Cr24 + 4 D* --> 55Mn25 + 7Li3 + 38.413 MeV [6.978 MeV] (A_Cr:474)
54Cr24 + 4 D* --> 58Fe26 + 4He2 + 55.339 MeV [23.904 MeV] (A_Cr:475)
54Cr24 + 4 D* --> 62Ni28 + 62.356 MeV [30.922 MeV] (A_Cr:476)

54Cr24 + 5 D* --> 49Ti22 + 15N7 + 57.203 MeV [16.883 MeV] (A_Cr:477)
54Cr24 + 5 D* --> 50Ti22 + 14N7 + 57.309 MeV [16.989 MeV] (A_Cr:478)
54Cr24 + 5 D* --> 51V23 + 13C6 + 57.822 MeV [17.502 MeV] (A_Cr:479)
54Cr24 + 5 D* --> 53Cr24 + 11B5 + 55.363 MeV [15.043 MeV] (A_Cr:480)
54Cr24 + 5 D* --> 54Cr24 + 10B5 + 53.628 MeV [13.308 MeV] (A_Cr:481)
54Cr24 + 5 D* --> 55Mn25 + 9Be4 + 55.109 MeV [14.789 MeV] (A_Cr:482)
54Cr24 + 5 D* --> 57Fe26 + 7Li3 + 54.018 MeV [13.698 MeV] (A_Cr:483)
54Cr24 + 5 D* --> 58Fe26 + 6Li3 + 56.813 MeV [16.493 MeV] (A_Cr:484)
54Cr24 + 5 D* --> 62Ni28 + 2H1 + 62.356 MeV [22.036 MeV] (A_Cr:485)

54Cr24 + 6 D* --> 36S16 + 30Si14 + 76.979 MeV [27.378 MeV] (A_Cr:486)
54Cr24 + 6 D* --> 40Ar18 + 26Mg12 + 73.136 MeV [23.536 MeV] (A_Cr:487)
54Cr24 + 6 D* --> 44Ca20 + 22Ne10 + 71.375 MeV [21.774 MeV] (A_Cr:488)
54Cr24 + 6 D* --> 46Ca20 + 20Ne10 + 72.059 MeV [22.458 MeV] (A_Cr:489)
54Cr24 + 6 D* --> 48Ti22 + 18O8 + 71.151 MeV [21.550 MeV] (A_Cr:490)
54Cr24 + 6 D* --> 49Ti22 + 17O8 + 71.249 MeV [21.649 MeV] (A_Cr:491)
54Cr24 + 6 D* --> 50Ti22 + 16O8 + 78.045 MeV [28.445 MeV] (A_Cr:492)
54Cr24 + 6 D* --> 51V23 + 15N7 + 73.982 MeV [24.381 MeV] (A_Cr:493)
54Cr24 + 6 D* --> 53Cr24 + 13C6 + 74.042 MeV [24.441 MeV] (A_Cr:494)
54Cr24 + 6 D* --> 54Cr24 + 12C6 + 78.814 MeV [29.214 MeV] (A_Cr:495)
54Cr24 + 6 D* --> 55Mn25 + 11B5 + 70.924 MeV [21.324 MeV] (A_Cr:496)
54Cr24 + 6 D* --> 57Fe26 + 9Be4 + 70.714 MeV [21.114 MeV] (A_Cr:497)
54Cr24 + 6 D* --> 59Co27 + 7Li3 + 69.202 MeV [19.601 MeV] (A_Cr:498)
54Cr24 + 6 D* --> 62Ni28 + 4He2 + 86.203 MeV [36.602 MeV] (A_Cr:499)

54Cr24 + 6 D* --> 65Cu29 + 1H1 + 81.856 MeV [32.256 MeV] (A_Cr:500)
54Cr24 + 6 D* --> 66Zn30 + 90.781 MeV [41.181 MeV] (A_Cr:501)

54Cr24 + 7 D* --> 49Ti22 + 19F9 + 85.064 MeV [25.794 MeV] (A_Cr:502)
54Cr24 + 7 D* --> 50V23 + 18O8 + 85.021 MeV [25.751 MeV] (A_Cr:503)
54Cr24 + 7 D* --> 51V23 + 17O8 + 88.028 MeV [28.758 MeV] (A_Cr:504)
54Cr24 + 7 D* --> 53Cr24 + 15N7 + 90.201 MeV [30.931 MeV] (A_Cr:505)
54Cr24 + 7 D* --> 54Cr24 + 14N7 + 89.087 MeV [29.817 MeV] (A_Cr:506)
54Cr24 + 7 D* --> 55Mn25 + 13C6 + 89.603 MeV [30.333 MeV] (A_Cr:507)
54Cr24 + 7 D* --> 57Fe26 + 11B5 + 86.530 MeV [27.260 MeV] (A_Cr:508)
54Cr24 + 7 D* --> 58Fe26 + 10B5 + 85.120 MeV [25.850 MeV] (A_Cr:509)
54Cr24 + 7 D* --> 59Co27 + 9Be4 + 85.898 MeV [26.628 MeV] (A_Cr:510)
54Cr24 + 7 D* --> 61Ni28 + 7Li3 + 84.330 MeV [25.060 MeV] (A_Cr:511)
54Cr24 + 7 D* --> 62Ni28 + 6Li3 + 87.677 MeV [28.407 MeV] (A_Cr:512)
54Cr24 + 7 D* --> 65Cu29 + 3He2 + 87.350 MeV [28.080 MeV] (A_Cr:513)
54Cr24 + 7 D* --> 66Zn30 + 2H1 + 90.781 MeV [31.511 MeV] (A_Cr:514)
54Cr24 + 7 D* --> 67Zn30 + 1H1 + 95.609 MeV [36.339 MeV] (A_Cr:515)

54Cr24 + 8 D* --> 36S16 + 34S16 + 108.749 MeV [39.427 MeV] (A_Cr:516)
54Cr24 + 8 D* --> 40Ar18 + 30Si14 + 107.626 MeV [38.304 MeV] (A_Cr:517)
54Cr24 + 8 D* --> 44Ca20 + 26Mg12 + 105.836 MeV [36.514 MeV] (A_Cr:518)
54Cr24 + 8 D* --> 46Ca20 + 24Mg12 + 105.222 MeV [35.900 MeV] (A_Cr:519)
54Cr24 + 8 D* --> 48Ti22 + 22Ne10 + 104.666 MeV [35.344 MeV] (A_Cr:520)
54Cr24 + 8 D* --> 49Ti22 + 21Ne10 + 102.444 MeV [33.122 MeV] (A_Cr:521)
54Cr24 + 8 D* --> 50Ti22 + 20Ne10 + 106.622 MeV [37.300 MeV] (A_Cr:522)
54Cr24 + 8 D* --> 51V23 + 19F9 + 101.842 MeV [32.520 MeV] (A_Cr:523)
54Cr24 + 8 D* --> 52Cr24 + 18O8 + 104.352 MeV [35.030 MeV] (A_Cr:524)
54Cr24 + 8 D* --> 53Cr24 + 17O8 + 104.247 MeV [34.925 MeV] (A_Cr:525)
54Cr24 + 8 D* --> 54Cr24 + 16O8 + 109.823 MeV [40.501 MeV] (A_Cr:526)
54Cr24 + 8 D* --> 55Mn25 + 15N7 + 105.762 MeV [36.440 MeV] (A_Cr:527)
54Cr24 + 8 D* --> 57Fe26 + 13C6 + 105.208 MeV [35.886 MeV] (A_Cr:528)
54Cr24 + 8 D* --> 58Fe26 + 12C6 + 110.307 MeV [40.985 MeV] (A_Cr:529)
54Cr24 + 8 D* --> 59Co27 + 11B5 + 101.714 MeV [32.392 MeV] (A_Cr:530)
54Cr24 + 8 D* --> 61Ni28 + 9Be4 + 101.026 MeV [31.704 MeV] (A_Cr:531)
54Cr24 + 8 D* --> 63Cu29 + 7Li3 + 98.825 MeV [29.503 MeV] (A_Cr:532)
54Cr24 + 8 D* --> 66Zn30 + 4He2 + 114.628 MeV [45.306 MeV] (A_Cr:533)
54Cr24 + 8 D* --> 67Zn30 + 3He2 + 101.102 MeV [31.780 MeV] (A_Cr:534)
54Cr24 + 8 D* --> 69Ga31 + 1H1 + 110.192 MeV [40.870 MeV] (A_Cr:535)
54Cr24 + 8 D* --> 70Ge32 + 118.716 MeV [49.394 MeV] (A_Cr:536)

54Cr24 + 9 D* --> 49Ti22 + 23Na11 + 119.378 MeV [39.627 MeV] (A_Cr:537)
54Cr24 + 9 D* --> 50V23 + 22Ne10 + 118.535 MeV [38.785 MeV] (A_Cr:538)
54Cr24 + 9 D* --> 51V23 + 21Ne10 + 119.222 MeV [39.471 MeV] (A_Cr:539)
54Cr24 + 9 D* --> 53Cr24 + 19F9 + 118.061 MeV [38.310 MeV] (A_Cr:540)
54Cr24 + 9 D* --> 55Mn25 + 17O8 + 119.808 MeV [40.058 MeV] (A_Cr:541)
54Cr24 + 9 D* --> 57Fe26 + 15N7 + 121.368 MeV [41.617 MeV] (A_Cr:542)
54Cr24 + 9 D* --> 58Fe26 + 14N7 + 120.579 MeV [40.828 MeV] (A_Cr:543)
54Cr24 + 9 D* --> 59Co27 + 13C6 + 120.392 MeV [40.642 MeV] (A_Cr:544)
54Cr24 + 9 D* --> 61Ni28 + 11B5 + 116.842 MeV [37.091 MeV] (A_Cr:545)
54Cr24 + 9 D* --> 62Ni28 + 10B5 + 115.984 MeV [36.234 MeV] (A_Cr:546)
54Cr24 + 9 D* --> 63Cu29 + 9Be4 + 115.521 MeV [35.770 MeV] (A_Cr:547)
54Cr24 + 9 D* --> 66Zn30 + 6Li3 + 116.102 MeV [36.351 MeV] (A_Cr:548)
54Cr24 + 9 D* --> 69Ga31 + 3He2 + 115.685 MeV [35.935 MeV] (A_Cr:549)
54Cr24 + 9 D* --> 70Ge32 + 2H1 + 118.716 MeV [38.966 MeV] (A_Cr:550)

54Cr24 + 10 D* --> 37Cl17 + 37Cl17 + 137.948 MeV [47.398 MeV] (A_Cr:551)
54Cr24 + 10 D* --> 38Ar18 + 36S16 + 139.803 MeV [49.253 MeV] (A_Cr:552)
54Cr24 + 10 D* --> 40Ar18 + 34S16 + 139.396 MeV [48.846 MeV] (A_Cr:553)
54Cr24 + 10 D* --> 44Ca20 + 30Si14 + 140.326 MeV [49.776 MeV] (A_Cr:554)
54Cr24 + 10 D* --> 46Ca20 + 28Si14 + 139.053 MeV [48.502 MeV] (A_Cr:555)
54Cr24 + 10 D* --> 48Ti22 + 26Mg12 + 139.127 MeV [48.577 MeV] (A_Cr:556)
54Cr24 + 10 D* --> 49Ti22 + 25Mg12 + 136.176 MeV [45.626 MeV] (A_Cr:557)
54Cr24 + 10 D* --> 50Ti22 + 24Mg12 + 139.785 MeV [49.235 MeV] (A_Cr:558)
54Cr24 + 10 D* --> 51V23 + 23Na11 + 136.156 MeV [45.606 MeV] (A_Cr:559)
54Cr24 + 10 D* --> 52Cr24 + 22Ne10 + 137.866 MeV [47.316 MeV] (A_Cr:560)
54Cr24 + 10 D* --> 53Cr24 + 21Ne10 + 135.441 MeV [44.891 MeV] (A_Cr:561)
54Cr24 + 10 D* --> 54Cr24 + 20Ne10 + 138.399 MeV [47.849 MeV] (A_Cr:562)
54Cr24 + 10 D* --> 55Mn25 + 19F9 + 133.623 MeV [43.072 MeV] (A_Cr:563)
54Cr24 + 10 D* --> 56Fe26 + 18O8 + 135.812 MeV [45.261 MeV] (A_Cr:564)
54Cr24 + 10 D* --> 57Fe26 + 17O8 + 135.414 MeV [44.863 MeV] (A_Cr:565)
54Cr24 + 10 D* --> 58Fe26 + 16O8 + 141.315 MeV [50.765 MeV] (A_Cr:566)
54Cr24 + 10 D* --> 59Co27 + 15N7 + 136.552 MeV [46.001 MeV] (A_Cr:567)
54Cr24 + 10 D* --> 61Ni28 + 13C6 + 135.521 MeV [44.970 MeV] (A_Cr:568)
54Cr24 + 10 D* --> 62Ni28 + 12C6 + 141.171 MeV [50.621 MeV] (A_Cr:569)
54Cr24 + 10 D* --> 63Cu29 + 11B5 + 131.336 MeV [40.786 MeV] (A_Cr:570)
54Cr24 + 10 D* --> 70Ge32 + 4He2 + 142.563 MeV [52.013 MeV] (A_Cr:571)
54Cr24 + 10 D* --> 74Se34 + 146.637 MeV [56.087 MeV] (A_Cr:572)

54Cr24 + 11 D* --> 40K19 + 36S16 + 151.760 MeV [50.044 MeV] (A_Cr:573)
54Cr24 + 11 D* --> 49Ti22 + 27Al13 + 153.316 MeV [51.601 MeV] (A_Cr:574)
54Cr24 + 11 D* --> 50V23 + 26Mg12 + 152.997 MeV [51.281 MeV] (A_Cr:575)
54Cr24 + 11 D* --> 51V23 + 25Mg12 + 152.955 MeV [51.239 MeV] (A_Cr:576)
54Cr24 + 11 D* --> 53Cr24 + 23Na11 + 152.375 MeV [50.660 MeV] (A_Cr:577)
54Cr24 + 11 D* --> 55Mn25 + 21Ne10 + 151.003 MeV [49.287 MeV] (A_Cr:578)
54Cr24 + 11 D* --> 57Fe26 + 19F9 + 149.228 MeV [47.513 MeV] (A_Cr:579)
54Cr24 + 11 D* --> 59Co27 + 17O8 + 150.598 MeV [48.882 MeV] (A_Cr:580)
54Cr24 + 11 D* --> 61Ni28 + 15N7 + 151.680 MeV [49.965 MeV] (A_Cr:581)
54Cr24 + 11 D* --> 62Ni28 + 14N7 + 151.443 MeV [49.728 MeV] (A_Cr:582)
54Cr24 + 11 D* --> 63Cu29 + 13C6 + 150.015 MeV [48.300 MeV] (A_Cr:583)
54Cr24 + 11 D* --> 66Zn30 + 10B5 + 144.409 MeV [42.694 MeV] (A_Cr:584)
54Cr24 + 11 D* --> 70Ge32 + 6Li3 + 144.037 MeV [42.321 MeV] (A_Cr:585)
54Cr24 + 11 D* --> 74Se34 + 2H1 + 146.637 MeV [44.922 MeV] (A_Cr:586)

54Cr24 + 12 D* --> 40Ar18 + 38Ar18 + 170.451 MeV [57.210 MeV] (A_Cr:587)
54Cr24 + 12 D* --> 41K19 + 37Cl17 + 168.017 MeV [54.776 MeV] (A_Cr:588)
54Cr24 + 12 D* --> 42Ca20 + 36S16 + 169.907 MeV [56.666 MeV] (A_Cr:589)
54Cr24 + 12 D* --> 44Ca20 + 34S16 + 172.096 MeV [58.855 MeV] (A_Cr:590)
54Cr24 + 12 D* --> 46Ca20 + 32S16 + 169.847 MeV [56.606 MeV] (A_Cr:591)
54Cr24 + 12 D* --> 48Ti22 + 30Si14 + 173.617 MeV [60.376 MeV] (A_Cr:592)
54Cr24 + 12 D* --> 49Ti22 + 29Si14 + 171.150 MeV [57.909 MeV] (A_Cr:593)
54Cr24 + 12 D* --> 50Ti22 + 28Si14 + 173.616 MeV [60.375 MeV] (A_Cr:594)
54Cr24 + 12 D* --> 51V23 + 27Al13 + 170.094 MeV [56.853 MeV] (A_Cr:595)
54Cr24 + 12 D* --> 52Cr24 + 26Mg12 + 172.328 MeV [59.087 MeV] (A_Cr:596)
54Cr24 + 12 D* --> 53Cr24 + 25Mg12 + 169.174 MeV [55.933 MeV] (A_Cr:597)
54Cr24 + 12 D* --> 54Cr24 + 24Mg12 + 171.562 MeV [58.321 MeV] (A_Cr:598)
54Cr24 + 12 D* --> 55Mn25 + 23Na11 + 167.937 MeV [54.696 MeV] (A_Cr:599)
54Cr24 + 12 D* --> 56Fe26 + 22Ne10 + 169.326 MeV [56.085 MeV] (A_Cr:600)
54Cr24 + 12 D* --> 57Fe26 + 21Ne10 + 166.608 MeV [53.367 MeV] (A_Cr:601)

54Cr24 + 12 D* --> 58Fe26 + 20Ne10 + 169.891 MeV [56.650 MeV] (A_Cr:602)
54Cr24 + 12 D* --> 59Co27 + 19F9 + 164.412 MeV [51.171 MeV] (A_Cr:603)
54Cr24 + 12 D* --> 60Ni28 + 18O8 + 165.950 MeV [52.709 MeV] (A_Cr:604)
54Cr24 + 12 D* --> 61Ni28 + 17O8 + 165.726 MeV [52.485 MeV] (A_Cr:605)
54Cr24 + 12 D* --> 62Ni28 + 16O8 + 172.179 MeV [58.938 MeV] (A_Cr:606)
54Cr24 + 12 D* --> 63Cu29 + 15N7 + 166.174 MeV [52.933 MeV] (A_Cr:607)
54Cr24 + 12 D* --> 66Zn30 + 12C6 + 169.596 MeV [56.355 MeV] (A_Cr:608)
54Cr24 + 12 D* --> 74Se34 + 4He2 + 170.484 MeV [57.243 MeV] (A_Cr:609)
54Cr24 + 12 D* --> 78Kr36 + 174.876 MeV [61.635 MeV] (A_Cr:610)

---------- Equations follow for Manganese, Mn, element 25 ----------

55Mn25 + D* --> 53Cr24 + 4He2 + 8.285 MeV [00.802 MeV] (A_Mn:1)
55Mn25 + D* --> 57Fe26 + 15.605 MeV [8.122 MeV] (A_Mn:2)

55Mn25 + 2 D* --> 36S16 + 23Na11 + 8.755 MeV [-6.633 MeV] (A_Mn:3)
55Mn25 + 2 D* --> 37Cl17 + 22Ne10 + 8.347 MeV [-7.041 MeV] (A_Mn:4)
55Mn25 + 2 D* --> 40Ar18 + 19F9 + 5.088 MeV [-10.299 MeV] (A_Mn:5)
55Mn25 + 2 D* --> 41K19 + 18O8 + 4.901 MeV [-10.486 MeV] (A_Mn:6)
55Mn25 + 2 D* --> 44Ca20 + 15N7 + 9.928 MeV [-5.460 MeV] (A_Mn:7)
55Mn25 + 2 D* --> 48Ti22 + 11B5 + 8.381 MeV [-7.007 MeV] (A_Mn:8)
55Mn25 + 2 D* --> 49Ti22 + 10B5 + 5.069 MeV [-10.319 MeV] (A_Mn:9)
55Mn25 + 2 D* --> 50V23 + 9Be4 + 6.435 MeV [-8.953 MeV] (A_Mn:10)
55Mn25 + 2 D* --> 52Cr24 + 7Li3 + 9.070 MeV [-6.318 MeV] (A_Mn:11)
55Mn25 + 2 D* --> 53Cr24 + 6Li3 + 9.759 MeV [-5.629 MeV] (A_Mn:12)
55Mn25 + 2 D* --> 55Mn25 + 4He2 + 23.847 MeV [8.459 MeV] (A_Mn:13)
55Mn25 + 2 D* --> 57Fe26 + 2H1 + 15.605 MeV [00.218 MeV] (A_Mn:14)
55Mn25 + 2 D* --> 58Fe26 + 1H1 + 23.425 MeV [8.038 MeV] (A_Mn:15)
55Mn25 + 2 D* --> 59Co27 + 30.789 MeV [15.402 MeV] (A_Mn:16)

55Mn25 + 3 D* --> 36S16 + 25Mg12 + 25.553 MeV [1.849 MeV] (A_Mn:17)
55Mn25 + 3 D* --> 40Ar18 + 21Ne10 + 22.468 MeV [-1.236 MeV] (A_Mn:18)
55Mn25 + 3 D* --> 43Ca20 + 18O8 + 20.887 MeV [-2.818 MeV] (A_Mn:19)
55Mn25 + 3 D* --> 44Ca20 + 17O8 + 23.974 MeV [00.270 MeV] (A_Mn:20)
55Mn25 + 3 D* --> 48Ti22 + 13C6 + 27.059 MeV [3.355 MeV] (A_Mn:21)
55Mn25 + 3 D* --> 49Ti22 + 12C6 + 30.255 MeV [6.551 MeV] (A_Mn:22)
55Mn25 + 3 D* --> 50V23 + 11B5 + 22.250 MeV [-1.454 MeV] (A_Mn:23)
55Mn25 + 3 D* --> 51V23 + 10B5 + 21.847 MeV [-1.857 MeV] (A_Mn:24)
55Mn25 + 3 D* --> 52Cr24 + 9Be4 + 25.766 MeV [2.062 MeV] (A_Mn:25)
55Mn25 + 3 D* --> 55Mn25 + 6Li3 + 25.320 MeV [1.616 MeV] (A_Mn:26)
55Mn25 + 3 D* --> 57Fe26 + 4He2 + 39.452 MeV [15.747 MeV] (A_Mn:27)
55Mn25 + 3 D* --> 58Fe26 + 3He2 + 28.919 MeV [5.214 MeV] (A_Mn:28)
55Mn25 + 3 D* --> 59Co27 + 2H1 + 30.789 MeV [7.085 MeV] (A_Mn:29)
55Mn25 + 3 D* --> 61Ni28 + 45.917 MeV [22.213 MeV] (A_Mn:30)

55Mn25 + 4 D* --> 36S16 + 27Al13 + 42.693 MeV [10.267 MeV] (A_Mn:31)
55Mn25 + 4 D* --> 37Cl17 + 26Mg12 + 42.808 MeV [10.383 MeV] (A_Mn:32)
55Mn25 + 4 D* --> 40Ar18 + 23Na11 + 39.402 MeV [6.976 MeV] (A_Mn:33)
55Mn25 + 4 D* --> 41K19 + 22Ne10 + 38.416 MeV [5.990 MeV] (A_Mn:34)
55Mn25 + 4 D* --> 44Ca20 + 19F9 + 37.788 MeV [5.362 MeV] (A_Mn:35)
55Mn25 + 4 D* --> 45Sc21 + 18O8 + 36.682 MeV [4.256 MeV] (A_Mn:36)
55Mn25 + 4 D* --> 48Ti22 + 15N7 + 43.219 MeV [10.793 MeV] (A_Mn:37)
55Mn25 + 4 D* --> 49Ti22 + 14N7 + 40.528 MeV [8.102 MeV] (A_Mn:38)
55Mn25 + 4 D* --> 50V23 + 13C6 + 40.929 MeV [8.503 MeV] (A_Mn:39)

55Mn25 + 4 D* --> 51V23 + 12C6 + 47.034 MeV [14.608 MeV] (A_Mn:40)
55Mn25 + 4 D* --> 52Cr24 + 11B5 + 41.581 MeV [9.156 MeV] (A_Mn:41)
55Mn25 + 4 D* --> 53Cr24 + 10B5 + 38.066 MeV [5.641 MeV] (A_Mn:42)
55Mn25 + 4 D* --> 56Fe26 + 7Li3 + 40.530 MeV [8.104 MeV] (A_Mn:43)
55Mn25 + 4 D* --> 57Fe26 + 6Li3 + 40.926 MeV [8.500 MeV] (A_Mn:44)
55Mn25 + 4 D* --> 59Co27 + 4He2 + 54.636 MeV [22.210 MeV] (A_Mn:45)
55Mn25 + 4 D* --> 61Ni28 + 2H1 + 45.917 MeV [13.492 MeV] (A_Mn:46)
55Mn25 + 4 D* --> 62Ni28 + 1H1 + 54.289 MeV [21.864 MeV] (A_Mn:47)
55Mn25 + 4 D* --> 63Cu29 + 60.412 MeV [27.986 MeV] (A_Mn:48)

55Mn25 + 5 D* --> 36S16 + 29Si14 + 60.527 MeV [18.982 MeV] (A_Mn:49)
55Mn25 + 5 D* --> 40Ar18 + 25Mg12 + 56.201 MeV [14.656 MeV] (A_Mn:50)
55Mn25 + 5 D* --> 43Ca20 + 22Ne10 + 54.401 MeV [12.857 MeV] (A_Mn:51)
55Mn25 + 5 D* --> 44Ca20 + 21Ne10 + 55.168 MeV [13.624 MeV] (A_Mn:52)
55Mn25 + 5 D* --> 47Ti22 + 18O8 + 53.682 MeV [12.137 MeV] (A_Mn:53)
55Mn25 + 5 D* --> 48Ti22 + 17O8 + 57.265 MeV [15.720 MeV] (A_Mn:54)
55Mn25 + 5 D* --> 49Ti22 + 16O8 + 61.264 MeV [19.719 MeV] (A_Mn:55)
55Mn25 + 5 D* --> 50V23 + 15N7 + 57.088 MeV [15.543 MeV] (A_Mn:56)
55Mn25 + 5 D* --> 51V23 + 14N7 + 57.306 MeV [15.761 MeV] (A_Mn:57)
55Mn25 + 5 D* --> 52Cr24 + 13C6 + 60.260 MeV [18.715 MeV] (A_Mn:58)
55Mn25 + 5 D* --> 53Cr24 + 12C6 + 63.253 MeV [21.708 MeV] (A_Mn:59)
55Mn25 + 5 D* --> 55Mn25 + 10B5 + 53.628 MeV [12.083 MeV] (A_Mn:60)
55Mn25 + 5 D* --> 56Fe26 + 9Be4 + 57.226 MeV [15.681 MeV] (A_Mn:61)
55Mn25 + 5 D* --> 59Co27 + 6Li3 + 56.110 MeV [14.565 MeV] (A_Mn:62)
55Mn25 + 5 D* --> 61Ni28 + 4He2 + 69.764 MeV [28.219 MeV] (A_Mn:63)
55Mn25 + 5 D* --> 62Ni28 + 3He2 + 59.783 MeV [18.238 MeV] (A_Mn:64)
55Mn25 + 5 D* --> 63Cu29 + 2H1 + 60.412 MeV [18.867 MeV] (A_Mn:65)

55Mn25 + 6 D* --> 36S16 + 31P15 + 76.209 MeV [25.154 MeV] (A_Mn:66)
55Mn25 + 6 D* --> 37Cl17 + 30Si14 + 77.298 MeV [26.244 MeV] (A_Mn:67)
55Mn25 + 6 D* --> 40Ar18 + 27Al13 + 73.340 MeV [22.286 MeV] (A_Mn:68)
55Mn25 + 6 D* --> 41K19 + 26Mg12 + 72.877 MeV [21.823 MeV] (A_Mn:69)
55Mn25 + 6 D* --> 44Ca20 + 23Na11 + 72.102 MeV [21.048 MeV] (A_Mn:70)
55Mn25 + 6 D* --> 45Sc21 + 22Ne10 + 70.196 MeV [19.142 MeV] (A_Mn:71)
55Mn25 + 6 D* --> 48Ti22 + 19F9 + 71.079 MeV [20.024 MeV] (A_Mn:72)
55Mn25 + 6 D* --> 50V23 + 17O8 + 71.134 MeV [20.080 MeV] (A_Mn:73)
55Mn25 + 6 D* --> 51V23 + 16O8 + 78.042 MeV [26.988 MeV] (A_Mn:74)
55Mn25 + 6 D* --> 52Cr24 + 15N7 + 76.419 MeV [25.365 MeV] (A_Mn:75)
55Mn25 + 6 D* --> 53Cr24 + 14N7 + 73.525 MeV [22.471 MeV] (A_Mn:76)
55Mn25 + 6 D* --> 55Mn25 + 12C6 + 78.814 MeV [27.760 MeV] (A_Mn:77)
55Mn25 + 6 D* --> 56Fe26 + 11B5 + 73.041 MeV [21.987 MeV] (A_Mn:78)
55Mn25 + 6 D* --> 57Fe26 + 10B5 + 69.233 MeV [18.179 MeV] (A_Mn:79)
55Mn25 + 6 D* --> 60Ni28 + 7Li3 + 70.668 MeV [19.613 MeV] (A_Mn:80)
55Mn25 + 6 D* --> 61Ni28 + 6Li3 + 71.238 MeV [20.183 MeV] (A_Mn:81)
55Mn25 + 6 D* --> 63Cu29 + 4He2 + 84.258 MeV [33.204 MeV] (A_Mn:82)
55Mn25 + 6 D* --> 66Zn30 + 1H1 + 82.714 MeV [31.660 MeV] (A_Mn:83)

55Mn25 + 7 D* --> 36S16 + 33S16 + 91.490 MeV [30.541 MeV] (A_Mn:84)
55Mn25 + 7 D* --> 40Ar18 + 29Si14 + 91.174 MeV [30.226 MeV] (A_Mn:85)
55Mn25 + 7 D* --> 43Ca20 + 26Mg12 + 88.863 MeV [27.914 MeV] (A_Mn:86)
55Mn25 + 7 D* --> 44Ca20 + 25Mg12 + 88.901 MeV [27.952 MeV] (A_Mn:87)
55Mn25 + 7 D* --> 47Ti22 + 22Ne10 + 87.197 MeV [26.248 MeV] (A_Mn:88)
55Mn25 + 7 D* --> 48Ti22 + 21Ne10 + 88.459 MeV [27.511 MeV] (A_Mn:89)
55Mn25 + 7 D* --> 49Ti22 + 20Ne10 + 89.840 MeV [28.892 MeV] (A_Mn:90)

55Mn25 + 7 D* --> 50V23 + 19F9 + 84.948 MeV [24.000 MeV] (A_Mn:91)
55Mn25 + 7 D* --> 52Cr24 + 17O8 + 90.465 MeV [29.517 MeV] (A_Mn:92)
55Mn25 + 7 D* --> 53Cr24 + 16O8 + 94.261 MeV [33.313 MeV] (A_Mn:93)
55Mn25 + 7 D* --> 55Mn25 + 14N7 + 89.087 MeV [28.138 MeV] (A_Mn:94)
55Mn25 + 7 D* --> 56Fe26 + 13C6 + 91.720 MeV [30.771 MeV] (A_Mn:95)
55Mn25 + 7 D* --> 57Fe26 + 12C6 + 94.420 MeV [33.471 MeV] (A_Mn:96)
55Mn25 + 7 D* --> 59Co27 + 10B5 + 84.417 MeV [23.469 MeV] (A_Mn:97)
55Mn25 + 7 D* --> 60Ni28 + 9Be4 + 87.364 MeV [26.415 MeV] (A_Mn:98)
55Mn25 + 7 D* --> 63Cu29 + 6Li3 + 85.732 MeV [24.784 MeV] (A_Mn:99)
55Mn25 + 7 D* --> 66Zn30 + 3He2 + 88.208 MeV [27.259 MeV] (A_Mn:100)

55Mn25 + 8 D* --> 36S16 + 35Cl17 + 107.053 MeV [35.832 MeV] (A_Mn:101)
55Mn25 + 8 D* --> 37Cl17 + 34S16 + 109.069 MeV [37.848 MeV] (A_Mn:102)
55Mn25 + 8 D* --> 40Ar18 + 31P15 + 106.856 MeV [35.635 MeV] (A_Mn:103)
55Mn25 + 8 D* --> 41K19 + 30Si14 + 107.367 MeV [36.146 MeV] (A_Mn:104)
55Mn25 + 8 D* --> 44Ca20 + 27Al13 + 106.040 MeV [34.820 MeV] (A_Mn:105)
55Mn25 + 8 D* --> 45Sc21 + 26Mg12 + 104.658 MeV [33.437 MeV] (A_Mn:106)
55Mn25 + 8 D* --> 48Ti22 + 23Na11 + 105.393 MeV [34.172 MeV] (A_Mn:107)
55Mn25 + 8 D* --> 50V23 + 21Ne10 + 102.329 MeV [31.108 MeV] (A_Mn:108)
55Mn25 + 8 D* --> 51V23 + 20Ne10 + 106.619 MeV [35.398 MeV] (A_Mn:109)
55Mn25 + 8 D* --> 52Cr24 + 19F9 + 104.280 MeV [33.059 MeV] (A_Mn:110)
55Mn25 + 8 D* --> 55Mn25 + 16O8 + 109.823 MeV [38.602 MeV] (A_Mn:111)
55Mn25 + 8 D* --> 56Fe26 + 15N7 + 107.879 MeV [36.658 MeV] (A_Mn:112)
55Mn25 + 8 D* --> 57Fe26 + 14N7 + 104.692 MeV [33.471 MeV] (A_Mn:113)
55Mn25 + 8 D* --> 59Co27 + 12C6 + 109.604 MeV [38.383 MeV] (A_Mn:114)
55Mn25 + 8 D* --> 60Ni28 + 11B5 + 103.179 MeV [31.959 MeV] (A_Mn:115)
55Mn25 + 8 D* --> 61Ni28 + 10B5 + 99.545 MeV [28.325 MeV] (A_Mn:116)
55Mn25 + 8 D* --> 64Zn30 + 7Li3 + 98.471 MeV [27.250 MeV] (A_Mn:117)
55Mn25 + 8 D* --> 70Ge32 + 1H1 + 110.649 MeV [39.429 MeV] (A_Mn:118)

55Mn25 + 9 D* --> 40Ar18 + 33S16 + 122.137 MeV [40.271 MeV] (A_Mn:119)
55Mn25 + 9 D* --> 43Ca20 + 30Si14 + 123.352 MeV [41.487 MeV] (A_Mn:120)
55Mn25 + 9 D* --> 44Ca20 + 29Si14 + 123.874 MeV [42.009 MeV] (A_Mn:121)
55Mn25 + 9 D* --> 47Ti22 + 26Mg12 + 121.658 MeV [39.792 MeV] (A_Mn:122)
55Mn25 + 9 D* --> 48Ti22 + 25Mg12 + 122.191 MeV [40.326 MeV] (A_Mn:123)
55Mn25 + 9 D* --> 49Ti22 + 24Mg12 + 123.003 MeV [41.138 MeV] (A_Mn:124)
55Mn25 + 9 D* --> 50V23 + 23Na11 + 119.262 MeV [37.397 MeV] (A_Mn:125)
55Mn25 + 9 D* --> 52Cr24 + 21Ne10 + 121.660 MeV [39.794 MeV] (A_Mn:126)
55Mn25 + 9 D* --> 53Cr24 + 20Ne10 + 122.838 MeV [40.972 MeV] (A_Mn:127)
55Mn25 + 9 D* --> 56Fe26 + 17O8 + 121.925 MeV [40.060 MeV] (A_Mn:128)
55Mn25 + 9 D* --> 57Fe26 + 16O8 + 125.428 MeV [43.562 MeV] (A_Mn:129)
55Mn25 + 9 D* --> 59Co27 + 14N7 + 119.876 MeV [38.010 MeV] (A_Mn:130)
55Mn25 + 9 D* --> 60Ni28 + 13C6 + 121.858 MeV [39.992 MeV] (A_Mn:131)
55Mn25 + 9 D* --> 61Ni28 + 12C6 + 124.732 MeV [42.866 MeV] (A_Mn:132)
55Mn25 + 9 D* --> 63Cu29 + 10B5 + 114.040 MeV [32.174 MeV] (A_Mn:133)
55Mn25 + 9 D* --> 64Zn30 + 9Be4 + 115.167 MeV [33.301 MeV] (A_Mn:134)
55Mn25 + 9 D* --> 70Ge32 + 3He2 + 116.143 MeV [34.277 MeV] (A_Mn:135)

55Mn25 + 10 D* --> 38Ar18 + 37Cl17 + 140.123 MeV [47.245 MeV] (A_Mn:136)
55Mn25 + 10 D* --> 40Ar18 + 35Cl17 + 137.700 MeV [44.822 MeV] (A_Mn:137)
55Mn25 + 10 D* --> 39K19 + 36S16 + 138.118 MeV [45.240 MeV] (A_Mn:138)
55Mn25 + 10 D* --> 41K19 + 34S16 + 139.138 MeV [46.260 MeV] (A_Mn:139)
55Mn25 + 10 D* --> 44Ca20 + 31P15 + 139.556 MeV [46.678 MeV] (A_Mn:140)
55Mn25 + 10 D* --> 45Sc21 + 30Si14 + 139.147 MeV [46.270 MeV] (A_Mn:141)

55Mn25 + 10 D* --> 48Ti22 + 27Al13 + 139.331 MeV [46.453 MeV] (A_Mn:142)
55Mn25 + 10 D* --> 50V23 + 25Mg12 + 136.061 MeV [43.183 MeV] (A_Mn:143)
55Mn25 + 10 D* --> 51V23 + 24Mg12 + 139.782 MeV [46.904 MeV] (A_Mn:144)
55Mn25 + 10 D* --> 52Cr24 + 23Na11 + 138.593 MeV [45.716 MeV] (A_Mn:145)
55Mn25 + 10 D* --> 55Mn25 + 20Ne10 + 138.399 MeV [45.522 MeV] (A_Mn:146)
55Mn25 + 10 D* --> 56Fe26 + 19F9 + 135.739 MeV [42.862 MeV] (A_Mn:147)
55Mn25 + 10 D* --> 59Co27 + 16O8 + 140.612 MeV [47.734 MeV] (A_Mn:148)
55Mn25 + 10 D* --> 60Ni28 + 15N7 + 138.017 MeV [45.140 MeV] (A_Mn:149)
55Mn25 + 10 D* --> 61Ni28 + 14N7 + 135.004 MeV [42.127 MeV] (A_Mn:150)
55Mn25 + 10 D* --> 63Cu29 + 12C6 + 139.226 MeV [46.349 MeV] (A_Mn:151)
55Mn25 + 10 D* --> 64Zn30 + 11B5 + 130.982 MeV [38.105 MeV] (A_Mn:152)
55Mn25 + 10 D* --> 74Se34 + 1H1 + 138.570 MeV [45.693 MeV] (A_Mn:153)

55Mn25 + 11 D* --> 40K19 + 37Cl17 + 152.079 MeV [47.827 MeV] (A_Mn:154)
55Mn25 + 11 D* --> 43Ca20 + 34S16 + 155.123 MeV [50.871 MeV] (A_Mn:155)
55Mn25 + 11 D* --> 44Ca20 + 33S16 + 154.837 MeV [50.585 MeV] (A_Mn:156)
55Mn25 + 11 D* --> 47Ti22 + 30Si14 + 156.148 MeV [51.896 MeV] (A_Mn:157)
55Mn25 + 11 D* --> 48Ti22 + 29Si14 + 157.165 MeV [52.913 MeV] (A_Mn:158)
55Mn25 + 11 D* --> 49Ti22 + 28Si14 + 156.834 MeV [52.582 MeV] (A_Mn:159)
55Mn25 + 11 D* --> 50V23 + 27Al13 + 153.201 MeV [48.949 MeV] (A_Mn:160)
55Mn25 + 11 D* --> 52Cr24 + 25Mg12 + 155.392 MeV [51.140 MeV] (A_Mn:161)
55Mn25 + 11 D* --> 53Cr24 + 24Mg12 + 156.001 MeV [51.749 MeV] (A_Mn:162)
55Mn25 + 11 D* --> 56Fe26 + 21Ne10 + 153.119 MeV [48.868 MeV] (A_Mn:163)
55Mn25 + 11 D* --> 57Fe26 + 20Ne10 + 154.004 MeV [49.753 MeV] (A_Mn:164)
55Mn25 + 11 D* --> 60Ni28 + 17O8 + 152.063 MeV [47.812 MeV] (A_Mn:165)
55Mn25 + 11 D* --> 61Ni28 + 16O8 + 155.740 MeV [51.489 MeV] (A_Mn:166)
55Mn25 + 11 D* --> 63Cu29 + 14N7 + 149.498 MeV [45.247 MeV] (A_Mn:167)
55Mn25 + 11 D* --> 64Zn30 + 13C6 + 149.661 MeV [45.409 MeV] (A_Mn:168)
55Mn25 + 11 D* --> 74Se34 + 3He2 + 144.064 MeV [39.812 MeV] (A_Mn:169)

55Mn25 + 12 D* --> 40Ar18 + 39K19 + 168.765 MeV [52.782 MeV] (A_Mn:170)
55Mn25 + 12 D* --> 41K19 + 38Ar18 + 170.192 MeV [54.209 MeV] (A_Mn:171)
55Mn25 + 12 D* --> 42Ca20 + 37Cl17 + 170.227 MeV [54.244 MeV] (A_Mn:172)
55Mn25 + 12 D* --> 44Ca20 + 35Cl17 + 170.400 MeV [54.417 MeV] (A_Mn:173)
55Mn25 + 12 D* --> 45Sc21 + 34S16 + 170.918 MeV [54.935 MeV] (A_Mn:174)
55Mn25 + 12 D* --> 48Ti22 + 31P15 + 172.847 MeV [56.864 MeV] (A_Mn:175)
55Mn25 + 12 D* --> 50V23 + 29Si14 + 171.035 MeV [55.052 MeV] (A_Mn:176)
55Mn25 + 12 D* --> 51V23 + 28Si14 + 173.612 MeV [57.629 MeV] (A_Mn:177)
55Mn25 + 12 D* --> 52Cr24 + 27Al13 + 172.532 MeV [56.549 MeV] (A_Mn:178)
55Mn25 + 12 D* --> 55Mn25 + 24Mg12 + 171.562 MeV [55.579 MeV] (A_Mn:179)
55Mn25 + 12 D* --> 56Fe26 + 23Na11 + 170.053 MeV [54.070 MeV] (A_Mn:180)
55Mn25 + 12 D* --> 59Co27 + 20Ne10 + 169.188 MeV [53.206 MeV] (A_Mn:181)
55Mn25 + 12 D* --> 60Ni28 + 19F9 + 165.878 MeV [49.895 MeV] (A_Mn:182)
55Mn25 + 12 D* --> 63Cu29 + 16O8 + 170.235 MeV [54.252 MeV] (A_Mn:183)
55Mn25 + 12 D* --> 64Zn30 + 15N7 + 165.820 MeV [49.837 MeV] (A_Mn:184)
55Mn25 + 12 D* --> 78Kr36 + 1H1 + 166.809 MeV [50.826 MeV] (A_Mn:185)

---------- Equations follow for Iron, Fe, element 26 ----------

54Fe26 + 2 D* --> 29Si14 + 29Si14 + 13.809 MeV [-2.262 MeV] (A_Fe:1)
54Fe26 + 2 D* --> 30Si14 + 28Si14 + 15.945 MeV [-0.126 MeV] (A_Fe:2)
54Fe26 + 2 D* --> 31P15 + 27Al13 + 11.657 MeV [-4.414 MeV] (A_Fe:3)
54Fe26 + 2 D* --> 32S16 + 26Mg12 + 12.249 MeV [-3.822 MeV] (A_Fe:4)

Report A - Energetically Feasible Aneutronic X + n D* --> Y + Z Reactions, n = 1 to 12
Creating Stable Isotopes Y and Z With No Weak Reactions

54Fe26 + 2 D* --> 33S16 + 25Mg12 + 9.798 MeV [-6.273 MeV] (A_Fe:5)
54Fe26 + 2 D* --> 34S16 + 24Mg12 + 13.884 MeV [-2.186 MeV] (A_Fe:6)
54Fe26 + 2 D* --> 35Cl17 + 23Na11 + 8.562 MeV [-7.508 MeV] (A_Fe:7)
54Fe26 + 2 D* --> 36Ar18 + 22Ne10 + 8.275 MeV [-7.796 MeV] (A_Fe:8)
54Fe26 + 2 D* --> 38Ar18 + 20Ne10 + 11.775 MeV [-4.295 MeV] (A_Fe:9)
54Fe26 + 2 D* --> 39K19 + 19F9 + 5.313 MeV [-10.757 MeV] (A_Fe:10)
54Fe26 + 2 D* --> 40Ca20 + 18O8 + 5.647 MeV [-10.424 MeV] (A_Fe:11)
54Fe26 + 2 D* --> 42Ca20 + 16O8 + 13.303 MeV [-2.768 MeV] (A_Fe:12)
54Fe26 + 2 D* --> 46Ti22 + 12C6 + 14.142 MeV [-1.928 MeV] (A_Fe:13)
54Fe26 + 2 D* --> 54Fe26 + 4He2 + 23.847 MeV [7.776 MeV] (A_Fe:14)
54Fe26 + 2 D* --> 58Ni28 + 30.247 MeV [14.176 MeV] (A_Fe:15)

54Fe26 + 3 D* --> 31P15 + 29Si14 + 29.491 MeV [4.773 MeV] (A_Fe:16)
54Fe26 + 3 D* --> 33S16 + 27Al13 + 26.937 MeV [2.219 MeV] (A_Fe:17)
54Fe26 + 3 D* --> 35Cl17 + 25Mg12 + 25.361 MeV [00.643 MeV] (A_Fe:18)
54Fe26 + 3 D* --> 39K19 + 21Ne10 + 22.693 MeV [-2.025 MeV] (A_Fe:19)
54Fe26 + 3 D* --> 40K19 + 20Ne10 + 23.732 MeV [-0.986 MeV] (A_Fe:20)
54Fe26 + 3 D* --> 46Ti22 + 14N7 + 24.415 MeV [-0.303 MeV] (A_Fe:21)
54Fe26 + 3 D* --> 50Cr24 + 10B5 + 21.363 MeV [-3.355 MeV] (A_Fe:22)
54Fe26 + 3 D* --> 54Fe26 + 6Li3 + 25.320 MeV [00.602 MeV] (A_Fe:23)
54Fe26 + 3 D* --> 58Ni28 + 2H1 + 30.247 MeV [5.529 MeV] (A_Fe:24)

54Fe26 + 4 D* --> 31P15 + 31P15 + 45.172 MeV [11.409 MeV] (A_Fe:25)
54Fe26 + 4 D* --> 32S16 + 30Si14 + 46.739 MeV [12.976 MeV] (A_Fe:26)
54Fe26 + 4 D* --> 33S16 + 29Si14 + 44.771 MeV [11.008 MeV] (A_Fe:27)
54Fe26 + 4 D* --> 34S16 + 28Si14 + 47.715 MeV [13.952 MeV] (A_Fe:28)
54Fe26 + 4 D* --> 35Cl17 + 27Al13 + 42.501 MeV [8.737 MeV] (A_Fe:29)
54Fe26 + 4 D* --> 36Ar18 + 26Mg12 + 42.737 MeV [8.973 MeV] (A_Fe:30)
54Fe26 + 4 D* --> 38Ar18 + 24Mg12 + 44.939 MeV [11.175 MeV] (A_Fe:31)
54Fe26 + 4 D* --> 39K19 + 23Na11 + 39.627 MeV [5.864 MeV] (A_Fe:32)
54Fe26 + 4 D* --> 40Ca20 + 22Ne10 + 39.161 MeV [5.398 MeV] (A_Fe:33)
54Fe26 + 4 D* --> 42Ca20 + 20Ne10 + 41.879 MeV [8.116 MeV] (A_Fe:34)
54Fe26 + 4 D* --> 46Ti22 + 16O8 + 45.151 MeV [11.387 MeV] (A_Fe:35)
54Fe26 + 4 D* --> 50Cr24 + 12C6 + 46.550 MeV [12.786 MeV] (A_Fe:36)
54Fe26 + 4 D* --> 58Ni28 + 4He2 + 54.093 MeV [20.330 MeV] (A_Fe:37)

54Fe26 + 5 D* --> 33S16 + 31P15 + 60.453 MeV [17.253 MeV] (A_Fe:38)
54Fe26 + 5 D* --> 35Cl17 + 29Si14 + 60.335 MeV [17.135 MeV] (A_Fe:39)
54Fe26 + 5 D* --> 39K19 + 25Mg12 + 56.426 MeV [13.226 MeV] (A_Fe:40)
54Fe26 + 5 D* --> 40K19 + 24Mg12 + 56.895 MeV [13.695 MeV] (A_Fe:41)
54Fe26 + 5 D* --> 50Cr24 + 14N7 + 56.822 MeV [13.622 MeV] (A_Fe:42)
54Fe26 + 5 D* --> 54Fe26 + 10B5 + 53.628 MeV [10.428 MeV] (A_Fe:43)
54Fe26 + 5 D* --> 58Ni28 + 6Li3 + 55.567 MeV [12.367 MeV] (A_Fe:44)

54Fe26 + 6 D* --> 33S16 + 33S16 + 75.734 MeV [22.713 MeV] (A_Fe:45)
54Fe26 + 6 D* --> 34S16 + 32S16 + 78.509 MeV [25.488 MeV] (A_Fe:46)
54Fe26 + 6 D* --> 35Cl17 + 31P15 + 76.016 MeV [22.995 MeV] (A_Fe:47)
54Fe26 + 6 D* --> 36Ar18 + 30Si14 + 77.226 MeV [24.205 MeV] (A_Fe:48)
54Fe26 + 6 D* --> 38Ar18 + 28Si14 + 78.769 MeV [25.748 MeV] (A_Fe:49)
54Fe26 + 6 D* --> 39K19 + 27Al13 + 73.566 MeV [20.544 MeV] (A_Fe:50)
54Fe26 + 6 D* --> 40Ca20 + 26Mg12 + 73.623 MeV [20.601 MeV] (A_Fe:51)
54Fe26 + 6 D* --> 42Ca20 + 24Mg12 + 75.043 MeV [22.021 MeV] (A_Fe:52)
54Fe26 + 6 D* --> 46Ti22 + 20Ne10 + 73.727 MeV [20.706 MeV] (A_Fe:53)
54Fe26 + 6 D* --> 50Cr24 + 16O8 + 77.558 MeV [24.537 MeV] (A_Fe:54)

54Fe26 + 6 D* --> 54Fe26 + 12C6 + 78.814 MeV [25.793 MeV] (A_Fe:55)

54Fe26 + 7 D* --> 35Cl17 + 33S16 + 91.297 MeV [28.076 MeV] (A_Fe:56)
54Fe26 + 7 D* --> 39K19 + 29Si14 + 91.400 MeV [28.178 MeV] (A_Fe:57)
54Fe26 + 7 D* --> 40K19 + 28Si14 + 90.726 MeV [27.504 MeV] (A_Fe:58)
54Fe26 + 7 D* --> 54Fe26 + 14N7 + 89.087 MeV [25.865 MeV] (A_Fe:59)
54Fe26 + 7 D* --> 58Ni28 + 10B5 + 83.875 MeV [20.653 MeV] (A_Fe:60)

54Fe26 + 8 D* --> 35Cl17 + 35Cl17 + 106.860 MeV [33.066 MeV] (A_Fe:61)
54Fe26 + 8 D* --> 36Ar18 + 34S16 + 108.997 MeV [35.202 MeV] (A_Fe:62)
54Fe26 + 8 D* --> 38Ar18 + 32S16 + 109.564 MeV [35.769 MeV] (A_Fe:63)
54Fe26 + 8 D* --> 39K19 + 31P15 + 107.081 MeV [33.287 MeV] (A_Fe:64)
54Fe26 + 8 D* --> 40Ca20 + 30Si14 + 108.113 MeV [34.318 MeV] (A_Fe:65)
54Fe26 + 8 D* --> 42Ca20 + 28Si14 + 108.873 MeV [35.079 MeV] (A_Fe:66)
54Fe26 + 8 D* --> 46Ti22 + 24Mg12 + 106.890 MeV [33.096 MeV] (A_Fe:67)
54Fe26 + 8 D* --> 50Cr24 + 20Ne10 + 106.135 MeV [32.340 MeV] (A_Fe:68)
54Fe26 + 8 D* --> 54Fe26 + 16O8 + 109.823 MeV [36.028 MeV] (A_Fe:69)
54Fe26 + 8 D* --> 58Ni28 + 12C6 + 109.061 MeV [35.267 MeV] (A_Fe:70)

54Fe26 + 9 D* --> 39K19 + 33S16 + 122.362 MeV [37.627 MeV] (A_Fe:71)
54Fe26 + 9 D* --> 40K19 + 32S16 + 121.520 MeV [36.785 MeV] (A_Fe:72)
54Fe26 + 9 D* --> 58Ni28 + 14N7 + 119.333 MeV [34.598 MeV] (A_Fe:73)

54Fe26 + 10 D* --> 38Ar18 + 36Ar18 + 140.051 MeV [44.013 MeV] (A_Fe:74)
54Fe26 + 10 D* --> 39K19 + 35Cl17 + 137.925 MeV [41.887 MeV] (A_Fe:75)
54Fe26 + 10 D* --> 40Ca20 + 34S16 + 139.883 MeV [43.845 MeV] (A_Fe:76)
54Fe26 + 10 D* --> 42Ca20 + 32S16 + 139.668 MeV [43.629 MeV] (A_Fe:77)
54Fe26 + 10 D* --> 46Ti22 + 28Si14 + 140.721 MeV [44.683 MeV] (A_Fe:78)
54Fe26 + 10 D* --> 50Cr24 + 24Mg12 + 139.298 MeV [43.260 MeV] (A_Fe:79)
54Fe26 + 10 D* --> 54Fe26 + 20Ne10 + 138.399 MeV [42.361 MeV] (A_Fe:80)
54Fe26 + 10 D* --> 58Ni28 + 16O8 + 140.069 MeV [44.031 MeV] (A_Fe:81)

54Fe26 + 11 D* --> 40K19 + 36Ar18 + 152.007 MeV [44.309 MeV] (A_Fe:82)

54Fe26 + 12 D* --> 39K19 + 39K19 + 168.990 MeV [49.278 MeV] (A_Fe:83)
54Fe26 + 12 D* --> 40Ca20 + 38Ar18 + 170.937 MeV [51.225 MeV] (A_Fe:84)
54Fe26 + 12 D* --> 42Ca20 + 36Ar18 + 170.155 MeV [50.443 MeV] (A_Fe:85)
54Fe26 + 12 D* --> 46Ti22 + 32S16 + 171.515 MeV [51.803 MeV] (A_Fe:86)
54Fe26 + 12 D* --> 50Cr24 + 28Si14 + 173.129 MeV [53.417 MeV] (A_Fe:87)
54Fe26 + 12 D* --> 54Fe26 + 24Mg12 + 171.562 MeV [51.850 MeV] (A_Fe:88)
54Fe26 + 12 D* --> 58Ni28 + 20Ne10 + 168.646 MeV [48.934 MeV] (A_Fe:89)

56Fe26 + D* --> 57Fe26 + 1H1 + 5.422 MeV [-2.316 MeV] (A_Fe:90)

56Fe26 + 2 D* --> 30Si14 + 30Si14 + 14.532 MeV [-1.358 MeV] (A_Fe:91)
56Fe26 + 2 D* --> 34S16 + 26Mg12 + 11.812 MeV [-4.078 MeV] (A_Fe:92)
56Fe26 + 2 D* --> 36S16 + 24Mg12 + 10.264 MeV [-5.626 MeV] (A_Fe:93)
56Fe26 + 2 D* --> 37Cl17 + 23Na11 + 6.957 MeV [-8.933 MeV] (A_Fe:94)
56Fe26 + 2 D* --> 38Ar18 + 22Ne10 + 8.405 MeV [-7.485 MeV] (A_Fe:95)
56Fe26 + 2 D* --> 40Ar18 + 20Ne10 + 7.748 MeV [-8.142 MeV] (A_Fe:96)
56Fe26 + 2 D* --> 41K19 + 19F9 + 2.713 MeV [-13.178 MeV] (A_Fe:97)
56Fe26 + 2 D* --> 42Ca20 + 18O8 + 4.995 MeV [-10.896 MeV] (A_Fe:98)
56Fe26 + 2 D* --> 43Ca20 + 17O8 + 4.884 MeV [-11.007 MeV] (A_Fe:99)
56Fe26 + 2 D* --> 44Ca20 + 16O8 + 11.872 MeV [-4.019 MeV] (A_Fe:100)

56Fe26 + 2 D* --> 45Sc21 + 15N7 + 6.632 MeV [-9.258 MeV] (A_Fe:101)
56Fe26 + 2 D* --> 47Ti22 + 13C6 + 7.473 MeV [-8.417 MeV] (A_Fe:102)
56Fe26 + 2 D* --> 48Ti22 + 12C6 + 14.154 MeV [-1.736 MeV] (A_Fe:103)
56Fe26 + 2 D* --> 50V23 + 10B5 + 2.837 MeV [-13.053 MeV] (A_Fe:104)
56Fe26 + 2 D* --> 56Fe26 + 4He2 + 23.847 MeV [7.956 MeV] (A_Fe:105)
56Fe26 + 2 D* --> 57Fe26 + 3He2 + 10.915 MeV [-4.975 MeV] (A_Fe:106)
56Fe26 + 2 D* --> 59Co27 + 1H1 + 20.606 MeV [4.715 MeV] (A_Fe:107)
56Fe26 + 2 D* --> 60Ni28 + 30.138 MeV [14.248 MeV] (A_Fe:108)

56Fe26 + 3 D* --> 37Cl17 + 25Mg12 + 23.756 MeV [-0.693 MeV] (A_Fe:109)
56Fe26 + 3 D* --> 40K19 + 22Ne10 + 20.362 MeV [-4.088 MeV] (A_Fe:110)
56Fe26 + 3 D* --> 41K19 + 21Ne10 + 20.093 MeV [-4.357 MeV] (A_Fe:111)
56Fe26 + 3 D* --> 43Ca20 + 19F9 + 18.698 MeV [-5.752 MeV] (A_Fe:112)
56Fe26 + 3 D* --> 45Sc21 + 17O8 + 20.678 MeV [-3.771 MeV] (A_Fe:113)
56Fe26 + 3 D* --> 47Ti22 + 15N7 + 23.633 MeV [-0.817 MeV] (A_Fe:114)
56Fe26 + 3 D* --> 48Ti22 + 14N7 + 24.426 MeV [-0.023 MeV] (A_Fe:115)
56Fe26 + 3 D* --> 50V23 + 12C6 + 28.023 MeV [3.574 MeV] (A_Fe:116)
56Fe26 + 3 D* --> 52Cr24 + 10B5 + 22.168 MeV [-2.281 MeV] (A_Fe:117)
56Fe26 + 3 D* --> 56Fe26 + 6Li3 + 25.320 MeV [00.871 MeV] (A_Fe:118)
56Fe26 + 3 D* --> 59Co27 + 3He2 + 26.099 MeV [1.650 MeV] (A_Fe:119)
56Fe26 + 3 D* --> 60Ni28 + 2H1 + 30.138 MeV [5.689 MeV] (A_Fe:120)
56Fe26 + 3 D* --> 61Ni28 + 1H1 + 35.734 MeV [11.284 MeV] (A_Fe:121)

56Fe26 + 4 D* --> 34S16 + 30Si14 + 46.302 MeV [12.894 MeV] (A_Fe:122)
56Fe26 + 4 D* --> 36S16 + 28Si14 + 44.094 MeV [10.686 MeV] (A_Fe:123)
56Fe26 + 4 D* --> 37Cl17 + 27Al13 + 40.896 MeV [7.488 MeV] (A_Fe:124)
56Fe26 + 4 D* --> 38Ar18 + 26Mg12 + 42.867 MeV [9.459 MeV] (A_Fe:125)
56Fe26 + 4 D* --> 40Ar18 + 24Mg12 + 40.911 MeV [7.503 MeV] (A_Fe:126)
56Fe26 + 4 D* --> 41K19 + 23Na11 + 37.026 MeV [3.618 MeV] (A_Fe:127)
56Fe26 + 4 D* --> 42Ca20 + 22Ne10 + 38.509 MeV [5.101 MeV] (A_Fe:128)
56Fe26 + 4 D* --> 43Ca20 + 21Ne10 + 36.078 MeV [2.670 MeV] (A_Fe:129)
56Fe26 + 4 D* --> 44Ca20 + 20Ne10 + 40.448 MeV [7.040 MeV] (A_Fe:130)
56Fe26 + 4 D* --> 45Sc21 + 19F9 + 34.493 MeV [1.085 MeV] (A_Fe:131)
56Fe26 + 4 D* --> 46Ti22 + 18O8 + 36.842 MeV [3.434 MeV] (A_Fe:132)
56Fe26 + 4 D* --> 47Ti22 + 17O8 + 37.679 MeV [4.271 MeV] (A_Fe:133)
56Fe26 + 4 D* --> 48Ti22 + 16O8 + 45.162 MeV [11.754 MeV] (A_Fe:134)
56Fe26 + 4 D* --> 50V23 + 14N7 + 38.296 MeV [4.888 MeV] (A_Fe:135)
56Fe26 + 4 D* --> 52Cr24 + 12C6 + 47.354 MeV [13.946 MeV] (A_Fe:136)
56Fe26 + 4 D* --> 60Ni28 + 4He2 + 53.985 MeV [20.577 MeV] (A_Fe:137)
56Fe26 + 4 D* --> 61Ni28 + 3He2 + 41.227 MeV [7.819 MeV] (A_Fe:138)
56Fe26 + 4 D* --> 63Cu29 + 1H1 + 50.228 MeV [16.820 MeV] (A_Fe:139)
56Fe26 + 4 D* --> 64Zn30 + 57.941 MeV [24.533 MeV] (A_Fe:140)

56Fe26 + 5 D* --> 37Cl17 + 29Si14 + 58.730 MeV [15.971 MeV] (A_Fe:141)
56Fe26 + 5 D* --> 40K19 + 26Mg12 + 54.823 MeV [12.064 MeV] (A_Fe:142)
56Fe26 + 5 D* --> 41K19 + 25Mg12 + 53.825 MeV [11.066 MeV] (A_Fe:143)
56Fe26 + 5 D* --> 43Ca20 + 23Na11 + 53.012 MeV [10.253 MeV] (A_Fe:144)
56Fe26 + 5 D* --> 45Sc21 + 21Ne10 + 51.873 MeV [9.114 MeV] (A_Fe:145)
56Fe26 + 5 D* --> 47Ti22 + 19F9 + 51.493 MeV [8.734 MeV] (A_Fe:146)
56Fe26 + 5 D* --> 50V23 + 16O8 + 59.032 MeV [16.273 MeV] (A_Fe:147)
56Fe26 + 5 D* --> 52Cr24 + 14N7 + 57.627 MeV [14.868 MeV] (A_Fe:148)
56Fe26 + 5 D* --> 56Fe26 + 10B5 + 53.628 MeV [10.869 MeV] (A_Fe:149)
56Fe26 + 5 D* --> 60Ni28 + 6Li3 + 55.459 MeV [12.699 MeV] (A_Fe:150)
56Fe26 + 5 D* --> 63Cu29 + 3He2 + 55.722 MeV [12.962 MeV] (A_Fe:151)

56Fe26 + 5 D* --> 64Zn30 + 2H1 + 57.941 MeV [15.182 MeV] (A_Fe:152)

56Fe26 + 6 D* --> 34S16 + 34S16 + 78.073 MeV [25.576 MeV] (A_Fe:153)
56Fe26 + 6 D* --> 36S16 + 32S16 + 74.889 MeV [22.392 MeV] (A_Fe:154)
56Fe26 + 6 D* --> 37Cl17 + 31P15 + 74.411 MeV [21.915 MeV] (A_Fe:155)
56Fe26 + 6 D* --> 38Ar18 + 30Si14 + 77.356 MeV [24.860 MeV] (A_Fe:156)
56Fe26 + 6 D* --> 40Ar18 + 28Si14 + 74.742 MeV [22.245 MeV] (A_Fe:157)
56Fe26 + 6 D* --> 41K19 + 27Al13 + 70.965 MeV [18.468 MeV] (A_Fe:158)
56Fe26 + 6 D* --> 42Ca20 + 26Mg12 + 72.971 MeV [20.474 MeV] (A_Fe:159)
56Fe26 + 6 D* --> 43Ca20 + 25Mg12 + 69.810 MeV [17.314 MeV] (A_Fe:160)
56Fe26 + 6 D* --> 44Ca20 + 24Mg12 + 73.611 MeV [21.115 MeV] (A_Fe:161)
56Fe26 + 6 D* --> 45Sc21 + 23Na11 + 68.807 MeV [16.310 MeV] (A_Fe:162)
56Fe26 + 6 D* --> 46Ti22 + 22Ne10 + 70.357 MeV [17.861 MeV] (A_Fe:163)
56Fe26 + 6 D* --> 47Ti22 + 21Ne10 + 68.873 MeV [16.377 MeV] (A_Fe:164)
56Fe26 + 6 D* --> 48Ti22 + 20Ne10 + 73.739 MeV [21.242 MeV] (A_Fe:165)
56Fe26 + 6 D* --> 50Cr24 + 18O8 + 69.250 MeV [16.754 MeV] (A_Fe:166)
56Fe26 + 6 D* --> 52Cr24 + 16O8 + 78.363 MeV [25.867 MeV] (A_Fe:167)
56Fe26 + 6 D* --> 56Fe26 + 12C6 + 78.814 MeV [26.318 MeV] (A_Fe:168)
56Fe26 + 6 D* --> 64Zn30 + 4He2 + 81.788 MeV [29.291 MeV] (A_Fe:169)

56Fe26 + 7 D* --> 37Cl17 + 33S16 + 89.692 MeV [27.079 MeV] (A_Fe:170)
56Fe26 + 7 D* --> 40K19 + 30Si14 + 89.313 MeV [26.699 MeV] (A_Fe:171)
56Fe26 + 7 D* --> 41K19 + 29Si14 + 88.799 MeV [26.185 MeV] (A_Fe:172)
56Fe26 + 7 D* --> 43Ca20 + 27Al13 + 86.950 MeV [24.337 MeV] (A_Fe:173)
56Fe26 + 7 D* --> 45Sc21 + 25Mg12 + 85.605 MeV [22.992 MeV] (A_Fe:174)
56Fe26 + 7 D* --> 47Ti22 + 23Na11 + 85.807 MeV [23.193 MeV] (A_Fe:175)
56Fe26 + 7 D* --> 50V23 + 20Ne10 + 87.608 MeV [24.995 MeV] (A_Fe:176)
56Fe26 + 7 D* --> 56Fe26 + 14N7 + 89.087 MeV [26.473 MeV] (A_Fe:177)
56Fe26 + 7 D* --> 60Ni28 + 10B5 + 83.766 MeV [21.153 MeV] (A_Fe:178)
56Fe26 + 7 D* --> 64Zn30 + 6Li3 + 83.262 MeV [20.648 MeV] (A_Fe:179)

56Fe26 + 8 D* --> 36S16 + 36Ar18 + 105.376 MeV [32.271 MeV] (A_Fe:180)
56Fe26 + 8 D* --> 37Cl17 + 35Cl17 + 105.255 MeV [32.151 MeV] (A_Fe:181)
56Fe26 + 8 D* --> 36Ar18 + 36S16 + 105.376 MeV [32.271 MeV] (A_Fe:182)
56Fe26 + 8 D* --> 38Ar18 + 34S16 + 109.127 MeV [36.022 MeV] (A_Fe:183)
56Fe26 + 8 D* --> 40Ar18 + 32S16 + 105.536 MeV [32.431 MeV] (A_Fe:184)
56Fe26 + 8 D* --> 41K19 + 31P15 + 104.480 MeV [31.376 MeV] (A_Fe:185)
56Fe26 + 8 D* --> 42Ca20 + 30Si14 + 107.460 MeV [34.356 MeV] (A_Fe:186)
56Fe26 + 8 D* --> 43Ca20 + 29Si14 + 104.784 MeV [31.679 MeV] (A_Fe:187)
56Fe26 + 8 D* --> 44Ca20 + 28Si14 + 107.442 MeV [34.337 MeV] (A_Fe:188)
56Fe26 + 8 D* --> 45Sc21 + 27Al13 + 102.745 MeV [29.640 MeV] (A_Fe:189)
56Fe26 + 8 D* --> 46Ti22 + 26Mg12 + 104.818 MeV [31.714 MeV] (A_Fe:190)
56Fe26 + 8 D* --> 47Ti22 + 25Mg12 + 102.606 MeV [29.501 MeV] (A_Fe:191)
56Fe26 + 8 D* --> 48Ti22 + 24Mg12 + 106.902 MeV [33.797 MeV] (A_Fe:192)
56Fe26 + 8 D* --> 50Cr24 + 22Ne10 + 102.765 MeV [29.660 MeV] (A_Fe:193)
56Fe26 + 8 D* --> 52Cr24 + 20Ne10 + 106.939 MeV [33.835 MeV] (A_Fe:194)
56Fe26 + 8 D* --> 54Fe26 + 18O8 + 101.514 MeV [28.410 MeV] (A_Fe:195)
56Fe26 + 8 D* --> 56Fe26 + 16O8 + 109.823 MeV [36.718 MeV] (A_Fe:196)
56Fe26 + 8 D* --> 60Ni28 + 12C6 + 108.953 MeV [35.848 MeV] (A_Fe:197)

56Fe26 + 9 D* --> 40K19 + 34S16 + 121.083 MeV [37.118 MeV] (A_Fe:198)
56Fe26 + 9 D* --> 41K19 + 33S16 + 119.761 MeV [35.797 MeV] (A_Fe:199)
56Fe26 + 9 D* --> 43Ca20 + 31P15 + 120.466 MeV [36.501 MeV] (A_Fe:200)
56Fe26 + 9 D* --> 45Sc21 + 29Si14 + 120.579 MeV [36.614 MeV] (A_Fe:201)

56Fe26 + 9 D* --> 47Ti22 + 27Al13 + 119.745 MeV [35.781 MeV] (A_Fe:202)
56Fe26 + 9 D* --> 50V23 + 24Mg12 + 120.771 MeV [36.807 MeV] (A_Fe:203)
56Fe26 + 9 D* --> 60Ni28 + 14N7 + 119.225 MeV [35.260 MeV] (A_Fe:204)
56Fe26 + 9 D* --> 64Zn30 + 10B5 + 111.569 MeV [27.604 MeV] (A_Fe:205)

56Fe26 + 10 D* --> 38Ar18 + 38Ar18 + 140.181 MeV [44.993 MeV] (A_Fe:206)
56Fe26 + 10 D* --> 40Ar18 + 36Ar18 + 136.023 MeV [40.835 MeV] (A_Fe:207)
56Fe26 + 10 D* --> 39K19 + 37Cl17 + 136.320 MeV [41.132 MeV] (A_Fe:208)
56Fe26 + 10 D* --> 41K19 + 35Cl17 + 135.324 MeV [40.136 MeV] (A_Fe:209)
56Fe26 + 10 D* --> 40Ca20 + 36S16 + 136.262 MeV [41.074 MeV] (A_Fe:210)
56Fe26 + 10 D* --> 42Ca20 + 34S16 + 139.231 MeV [44.043 MeV] (A_Fe:211)
56Fe26 + 10 D* --> 43Ca20 + 33S16 + 135.747 MeV [40.558 MeV] (A_Fe:212)
56Fe26 + 10 D* --> 44Ca20 + 32S16 + 138.236 MeV [43.048 MeV] (A_Fe:213)
56Fe26 + 10 D* --> 45Sc21 + 31P15 + 136.261 MeV [41.072 MeV] (A_Fe:214)
56Fe26 + 10 D* --> 46Ti22 + 30Si14 + 139.308 MeV [44.120 MeV] (A_Fe:215)
56Fe26 + 10 D* --> 47Ti22 + 29Si14 + 137.579 MeV [42.391 MeV] (A_Fe:216)
56Fe26 + 10 D* --> 48Ti22 + 28Si14 + 140.732 MeV [45.544 MeV] (A_Fe:217)
56Fe26 + 10 D* --> 50Cr24 + 26Mg12 + 137.226 MeV [42.038 MeV] (A_Fe:218)
56Fe26 + 10 D* --> 52Cr24 + 24Mg12 + 140.102 MeV [44.914 MeV] (A_Fe:219)
56Fe26 + 10 D* --> 54Fe26 + 22Ne10 + 135.029 MeV [39.841 MeV] (A_Fe:220)
56Fe26 + 10 D* --> 56Fe26 + 20Ne10 + 138.399 MeV [43.211 MeV] (A_Fe:221)
56Fe26 + 10 D* --> 58Ni28 + 18O8 + 131.761 MeV [36.573 MeV] (A_Fe:222)
56Fe26 + 10 D* --> 60Ni28 + 16O8 + 139.961 MeV [44.773 MeV] (A_Fe:223)
56Fe26 + 10 D* --> 64Zn30 + 12C6 + 136.755 MeV [41.567 MeV] (A_Fe:224)

56Fe26 + 11 D* --> 40K19 + 38Ar18 + 152.137 MeV [45.367 MeV] (A_Fe:225)
56Fe26 + 11 D* --> 43Ca20 + 35Cl17 + 151.310 MeV [44.540 MeV] (A_Fe:226)
56Fe26 + 11 D* --> 45Sc21 + 33S16 + 151.541 MeV [44.771 MeV] (A_Fe:227)
56Fe26 + 11 D* --> 47Ti22 + 31P15 + 153.261 MeV [46.491 MeV] (A_Fe:228)
56Fe26 + 11 D* --> 50V23 + 28Si14 + 154.602 MeV [47.832 MeV] (A_Fe:229)
56Fe26 + 11 D* --> 64Zn30 + 14N7 + 147.028 MeV [40.258 MeV] (A_Fe:230)

56Fe26 + 12 D* --> 40Ar18 + 40Ca20 + 166.909 MeV [48.204 MeV] (A_Fe:231)
56Fe26 + 12 D* --> 40K19 + 40K19 + 164.094 MeV [45.388 MeV] (A_Fe:232)
56Fe26 + 12 D* --> 41K19 + 39K19 + 166.389 MeV [47.684 MeV] (A_Fe:233)
56Fe26 + 12 D* --> 40Ca20 + 40Ar18 + 166.909 MeV [48.204 MeV] (A_Fe:234)
56Fe26 + 12 D* --> 42Ca20 + 38Ar18 + 170.285 MeV [51.579 MeV] (A_Fe:235)
56Fe26 + 12 D* --> 44Ca20 + 36Ar18 + 168.723 MeV [50.017 MeV] (A_Fe:236)
56Fe26 + 12 D* --> 45Sc21 + 35Cl17 + 167.105 MeV [48.399 MeV] (A_Fe:237)
56Fe26 + 12 D* --> 46Ti22 + 34S16 + 171.079 MeV [52.373 MeV] (A_Fe:238)
56Fe26 + 12 D* --> 47Ti22 + 33S16 + 168.542 MeV [49.836 MeV] (A_Fe:239)
56Fe26 + 12 D* --> 48Ti22 + 32S16 + 171.527 MeV [52.821 MeV] (A_Fe:240)
56Fe26 + 12 D* --> 50Cr24 + 30Si14 + 171.716 MeV [53.010 MeV] (A_Fe:241)
56Fe26 + 12 D* --> 52Cr24 + 28Si14 + 173.933 MeV [55.227 MeV] (A_Fe:242)
56Fe26 + 12 D* --> 54Fe26 + 26Mg12 + 169.490 MeV [50.784 MeV] (A_Fe:243)
56Fe26 + 12 D* --> 56Fe26 + 24Mg12 + 171.562 MeV [52.856 MeV] (A_Fe:244)
56Fe26 + 12 D* --> 58Ni28 + 22Ne10 + 165.276 MeV [46.570 MeV] (A_Fe:245)
56Fe26 + 12 D* --> 60Ni28 + 20Ne10 + 168.537 MeV [49.831 MeV] (A_Fe:246)
56Fe26 + 12 D* --> 64Zn30 + 16O8 + 167.764 MeV [49.058 MeV] (A_Fe:247)

57Fe26 + D* --> 55Mn25 + 4He2 + 8.241 MeV [00.547 MeV] (A_Fe:248)
57Fe26 + D* --> 58Fe26 + 1H1 + 7.820 MeV [00.126 MeV] (A_Fe:249)
57Fe26 + D* --> 59Co27 + 15.184 MeV [7.490 MeV] (A_Fe:250)

57Fe26 + 2 D* --> 36S16 + 25Mg12 + 9.948 MeV [-5.855 MeV] (A_Fe:251)
57Fe26 + 2 D* --> 40Ar18 + 21Ne10 + 6.863 MeV [-8.940 MeV] (A_Fe:252)
57Fe26 + 2 D* --> 43Ca20 + 18O8 + 5.281 MeV [-10.521 MeV] (A_Fe:253)
57Fe26 + 2 D* --> 44Ca20 + 17O8 + 8.369 MeV [-7.434 MeV] (A_Fe:254)
57Fe26 + 2 D* --> 48Ti22 + 13C6 + 11.454 MeV [-4.349 MeV] (A_Fe:255)
57Fe26 + 2 D* --> 49Ti22 + 12C6 + 14.650 MeV [-1.153 MeV] (A_Fe:256)
57Fe26 + 2 D* --> 50V23 + 11B5 + 6.645 MeV [-9.158 MeV] (A_Fe:257)
57Fe26 + 2 D* --> 51V23 + 10B5 + 6.242 MeV [-9.561 MeV] (A_Fe:258)
57Fe26 + 2 D* --> 52Cr24 + 9Be4 + 10.161 MeV [-5.642 MeV] (A_Fe:259)
57Fe26 + 2 D* --> 55Mn25 + 6Li3 + 9.715 MeV [-6.088 MeV] (A_Fe:260)
57Fe26 + 2 D* --> 57Fe26 + 4He2 + 23.847 MeV [8.044 MeV] (A_Fe:261)
57Fe26 + 2 D* --> 58Fe26 + 3He2 + 13.314 MeV [-2.489 MeV] (A_Fe:262)
57Fe26 + 2 D* --> 59Co27 + 2H1 + 15.184 MeV [-0.619 MeV] (A_Fe:263)
57Fe26 + 2 D* --> 61Ni28 + 30.312 MeV [14.509 MeV] (A_Fe:264)

57Fe26 + 3 D* --> 36S16 + 27Al13 + 27.088 MeV [2.768 MeV] (A_Fe:265)
57Fe26 + 3 D* --> 37Cl17 + 26Mg12 + 27.203 MeV [2.884 MeV] (A_Fe:266)
57Fe26 + 3 D* --> 40Ar18 + 23Na11 + 23.797 MeV [-0.523 MeV] (A_Fe:267)
57Fe26 + 3 D* --> 41K19 + 22Ne10 + 22.811 MeV [-1.509 MeV] (A_Fe:268)
57Fe26 + 3 D* --> 44Ca20 + 19F9 + 22.183 MeV [-2.136 MeV] (A_Fe:269)
57Fe26 + 3 D* --> 45Sc21 + 18O8 + 21.076 MeV [-3.243 MeV] (A_Fe:270)
57Fe26 + 3 D* --> 48Ti22 + 15N7 + 27.613 MeV [3.294 MeV] (A_Fe:271)
57Fe26 + 3 D* --> 49Ti22 + 14N7 + 24.922 MeV [00.603 MeV] (A_Fe:272)
57Fe26 + 3 D* --> 50V23 + 13C6 + 25.324 MeV [1.004 MeV] (A_Fe:273)
57Fe26 + 3 D* --> 51V23 + 12C6 + 31.428 MeV [7.109 MeV] (A_Fe:274)
57Fe26 + 3 D* --> 52Cr24 + 11B5 + 25.976 MeV [1.657 MeV] (A_Fe:275)
57Fe26 + 3 D* --> 53Cr24 + 10B5 + 22.461 MeV [-1.858 MeV] (A_Fe:276)
57Fe26 + 3 D* --> 56Fe26 + 7Li3 + 24.924 MeV [00.605 MeV] (A_Fe:277)
57Fe26 + 3 D* --> 57Fe26 + 6Li3 + 25.320 MeV [1.001 MeV] (A_Fe:278)
57Fe26 + 3 D* --> 59Co27 + 4He2 + 39.031 MeV [14.711 MeV] (A_Fe:279)
57Fe26 + 3 D* --> 61Ni28 + 2H1 + 30.312 MeV [5.993 MeV] (A_Fe:280)
57Fe26 + 3 D* --> 62Ni28 + 1H1 + 38.684 MeV [14.365 MeV] (A_Fe:281)
57Fe26 + 3 D* --> 63Cu29 + 44.807 MeV [20.487 MeV] (A_Fe:282)

57Fe26 + 4 D* --> 36S16 + 29Si14 + 44.922 MeV [11.686 MeV] (A_Fe:283)
57Fe26 + 4 D* --> 40Ar18 + 25Mg12 + 40.595 MeV [7.360 MeV] (A_Fe:284)
57Fe26 + 4 D* --> 43Ca20 + 22Ne10 + 38.796 MeV [5.560 MeV] (A_Fe:285)
57Fe26 + 4 D* --> 44Ca20 + 21Ne10 + 39.563 MeV [6.327 MeV] (A_Fe:286)
57Fe26 + 4 D* --> 47Ti22 + 18O8 + 38.077 MeV [4.841 MeV] (A_Fe:287)
57Fe26 + 4 D* --> 48Ti22 + 17O8 + 41.659 MeV [8.424 MeV] (A_Fe:288)
57Fe26 + 4 D* --> 49Ti22 + 16O8 + 45.659 MeV [12.423 MeV] (A_Fe:289)
57Fe26 + 4 D* --> 50V23 + 15N7 + 41.483 MeV [8.247 MeV] (A_Fe:290)
57Fe26 + 4 D* --> 51V23 + 14N7 + 41.701 MeV [8.465 MeV] (A_Fe:291)
57Fe26 + 4 D* --> 52Cr24 + 13C6 + 44.655 MeV [11.419 MeV] (A_Fe:292)
57Fe26 + 4 D* --> 53Cr24 + 12C6 + 47.647 MeV [14.412 MeV] (A_Fe:293)
57Fe26 + 4 D* --> 55Mn25 + 10B5 + 38.023 MeV [4.787 MeV] (A_Fe:294)
57Fe26 + 4 D* --> 56Fe26 + 9Be4 + 41.620 MeV [8.385 MeV] (A_Fe:295)
57Fe26 + 4 D* --> 59Co27 + 6Li3 + 40.504 MeV [7.269 MeV] (A_Fe:296)
57Fe26 + 4 D* --> 61Ni28 + 4He2 + 54.159 MeV [20.923 MeV] (A_Fe:297)
57Fe26 + 4 D* --> 62Ni28 + 3He2 + 44.178 MeV [10.942 MeV] (A_Fe:298)
57Fe26 + 4 D* --> 63Cu29 + 2H1 + 44.807 MeV [11.571 MeV] (A_Fe:299)

57Fe26 + 5 D* --> 36S16 + 31P15 + 60.603 MeV [18.058 MeV] (A_Fe:300)
57Fe26 + 5 D* --> 37Cl17 + 30Si14 + 61.693 MeV [19.148 MeV] (A_Fe:301)

57Fe26 + 5 D* --> 40Ar18 + 27Al13 + 57.735 MeV [15.190 MeV] (A_Fe:302)
57Fe26 + 5 D* --> 41K19 + 26Mg12 + 57.272 MeV [14.727 MeV] (A_Fe:303)
57Fe26 + 5 D* --> 44Ca20 + 23Na11 + 56.497 MeV [13.951 MeV] (A_Fe:304)
57Fe26 + 5 D* --> 45Sc21 + 22Ne10 + 54.591 MeV [12.046 MeV] (A_Fe:305)
57Fe26 + 5 D* --> 48Ti22 + 19F9 + 55.474 MeV [12.928 MeV] (A_Fe:306)
57Fe26 + 5 D* --> 50V23 + 17O8 + 55.529 MeV [12.983 MeV] (A_Fe:307)
57Fe26 + 5 D* --> 51V23 + 16O8 + 62.437 MeV [19.892 MeV] (A_Fe:308)
57Fe26 + 5 D* --> 52Cr24 + 15N7 + 60.814 MeV [18.269 MeV] (A_Fe:309)
57Fe26 + 5 D* --> 53Cr24 + 14N7 + 57.920 MeV [15.374 MeV] (A_Fe:310)
57Fe26 + 5 D* --> 55Mn25 + 12C6 + 63.209 MeV [20.664 MeV] (A_Fe:311)
57Fe26 + 5 D* --> 56Fe26 + 11B5 + 57.436 MeV [14.891 MeV] (A_Fe:312)
57Fe26 + 5 D* --> 57Fe26 + 10B5 + 53.628 MeV [11.083 MeV] (A_Fe:313)
57Fe26 + 5 D* --> 60Ni28 + 7Li3 + 55.062 MeV [12.517 MeV] (A_Fe:314)
57Fe26 + 5 D* --> 61Ni28 + 6Li3 + 55.633 MeV [13.087 MeV] (A_Fe:315)
57Fe26 + 5 D* --> 63Cu29 + 4He2 + 68.653 MeV [26.108 MeV] (A_Fe:316)
57Fe26 + 5 D* --> 66Zn30 + 1H1 + 67.109 MeV [24.564 MeV] (A_Fe:317)

57Fe26 + 6 D* --> 36S16 + 33S16 + 75.884 MeV [23.643 MeV] (A_Fe:318)
57Fe26 + 6 D* --> 40Ar18 + 29Si14 + 75.569 MeV [23.328 MeV] (A_Fe:319)
57Fe26 + 6 D* --> 43Ca20 + 26Mg12 + 73.257 MeV [21.016 MeV] (A_Fe:320)
57Fe26 + 6 D* --> 44Ca20 + 25Mg12 + 73.296 MeV [21.054 MeV] (A_Fe:321)
57Fe26 + 6 D* --> 47Ti22 + 22Ne10 + 71.591 MeV [19.350 MeV] (A_Fe:322)
57Fe26 + 6 D* --> 48Ti22 + 21Ne10 + 72.854 MeV [20.612 MeV] (A_Fe:323)
57Fe26 + 6 D* --> 49Ti22 + 20Ne10 + 74.235 MeV [21.993 MeV] (A_Fe:324)
57Fe26 + 6 D* --> 50V23 + 19F9 + 69.343 MeV [17.102 MeV] (A_Fe:325)
57Fe26 + 6 D* --> 52Cr24 + 17O8 + 74.860 MeV [22.618 MeV] (A_Fe:326)
57Fe26 + 6 D* --> 53Cr24 + 16O8 + 78.656 MeV [26.414 MeV] (A_Fe:327)
57Fe26 + 6 D* --> 55Mn25 + 14N7 + 73.481 MeV [21.240 MeV] (A_Fe:328)
57Fe26 + 6 D* --> 56Fe26 + 13C6 + 76.115 MeV [23.873 MeV] (A_Fe:329)
57Fe26 + 6 D* --> 57Fe26 + 12C6 + 78.814 MeV [26.573 MeV] (A_Fe:330)
57Fe26 + 6 D* --> 59Co27 + 10B5 + 68.812 MeV [16.570 MeV] (A_Fe:331)
57Fe26 + 6 D* --> 60Ni28 + 9Be4 + 71.759 MeV [19.517 MeV] (A_Fe:332)
57Fe26 + 6 D* --> 63Cu29 + 6Li3 + 70.127 MeV [17.885 MeV] (A_Fe:333)
57Fe26 + 6 D* --> 66Zn30 + 3He2 + 72.602 MeV [20.361 MeV] (A_Fe:334)

57Fe26 + 7 D* --> 36S16 + 35Cl17 + 91.448 MeV [29.129 MeV] (A_Fe:335)
57Fe26 + 7 D* --> 37Cl17 + 34S16 + 93.463 MeV [31.145 MeV] (A_Fe:336)
57Fe26 + 7 D* --> 40Ar18 + 31P15 + 91.251 MeV [28.933 MeV] (A_Fe:337)
57Fe26 + 7 D* --> 41K19 + 30Si14 + 91.762 MeV [29.444 MeV] (A_Fe:338)
57Fe26 + 7 D* --> 44Ca20 + 27Al13 + 90.435 MeV [28.117 MeV] (A_Fe:339)
57Fe26 + 7 D* --> 45Sc21 + 26Mg12 + 89.052 MeV [26.734 MeV] (A_Fe:340)
57Fe26 + 7 D* --> 48Ti22 + 23Na11 + 89.788 MeV [27.469 MeV] (A_Fe:341)
57Fe26 + 7 D* --> 50V23 + 21Ne10 + 86.723 MeV [24.405 MeV] (A_Fe:342)
57Fe26 + 7 D* --> 51V23 + 20Ne10 + 91.013 MeV [28.695 MeV] (A_Fe:343)
57Fe26 + 7 D* --> 52Cr24 + 19F9 + 88.674 MeV [26.356 MeV] (A_Fe:344)
57Fe26 + 7 D* --> 55Mn25 + 16O8 + 94.218 MeV [31.899 MeV] (A_Fe:345)
57Fe26 + 7 D* --> 56Fe26 + 15N7 + 92.274 MeV [29.956 MeV] (A_Fe:346)
57Fe26 + 7 D* --> 57Fe26 + 14N7 + 89.087 MeV [26.769 MeV] (A_Fe:347)
57Fe26 + 7 D* --> 59Co27 + 12C6 + 93.998 MeV [31.680 MeV] (A_Fe:348)
57Fe26 + 7 D* --> 60Ni28 + 11B5 + 87.574 MeV [25.256 MeV] (A_Fe:349)
57Fe26 + 7 D* --> 61Ni28 + 10B5 + 83.940 MeV [21.622 MeV] (A_Fe:350)
57Fe26 + 7 D* --> 64Zn30 + 7Li3 + 82.865 MeV [20.547 MeV] (A_Fe:351)
57Fe26 + 7 D* --> 70Ge32 + 1H1 + 95.044 MeV [32.726 MeV] (A_Fe:352)

57Fe26 + 8 D* --> 40Ar18 + 33S16 + 106.532 MeV [33.762 MeV] (A_Fe:353)
57Fe26 + 8 D* --> 43Ca20 + 30Si14 + 107.747 MeV [34.978 MeV] (A_Fe:354)
57Fe26 + 8 D* --> 44Ca20 + 29Si14 + 108.269 MeV [35.500 MeV] (A_Fe:355)
57Fe26 + 8 D* --> 47Ti22 + 26Mg12 + 106.053 MeV [33.283 MeV] (A_Fe:356)
57Fe26 + 8 D* --> 48Ti22 + 25Mg12 + 106.586 MeV [33.817 MeV] (A_Fe:357)
57Fe26 + 8 D* --> 49Ti22 + 24Mg12 + 107.398 MeV [34.629 MeV] (A_Fe:358)
57Fe26 + 8 D* --> 50V23 + 23Na11 + 103.657 MeV [30.888 MeV] (A_Fe:359)
57Fe26 + 8 D* --> 52Cr24 + 21Ne10 + 106.054 MeV [33.285 MeV] (A_Fe:360)
57Fe26 + 8 D* --> 53Cr24 + 20Ne10 + 107.232 MeV [34.463 MeV] (A_Fe:361)
57Fe26 + 8 D* --> 56Fe26 + 17O8 + 106.320 MeV [33.550 MeV] (A_Fe:362)
57Fe26 + 8 D* --> 57Fe26 + 16O8 + 109.823 MeV [37.053 MeV] (A_Fe:363)
57Fe26 + 8 D* --> 59Co27 + 14N7 + 104.271 MeV [31.501 MeV] (A_Fe:364)
57Fe26 + 8 D* --> 60Ni28 + 13C6 + 106.253 MeV [33.483 MeV] (A_Fe:365)
57Fe26 + 8 D* --> 61Ni28 + 12C6 + 109.127 MeV [36.357 MeV] (A_Fe:366)
57Fe26 + 8 D* --> 63Cu29 + 10B5 + 98.434 MeV [25.665 MeV] (A_Fe:367)
57Fe26 + 8 D* --> 64Zn30 + 9Be4 + 99.562 MeV [26.792 MeV] (A_Fe:368)
57Fe26 + 8 D* --> 70Ge32 + 3He2 + 100.538 MeV [27.768 MeV] (A_Fe:369)

57Fe26 + 9 D* --> 38Ar18 + 37Cl17 + 124.517 MeV [40.928 MeV] (A_Fe:370)
57Fe26 + 9 D* --> 40Ar18 + 35Cl17 + 122.095 MeV [38.505 MeV] (A_Fe:371)
57Fe26 + 9 D* --> 39K19 + 36S16 + 122.512 MeV [38.923 MeV] (A_Fe:372)
57Fe26 + 9 D* --> 41K19 + 34S16 + 123.532 MeV [39.942 MeV] (A_Fe:373)
57Fe26 + 9 D* --> 44Ca20 + 31P15 + 123.951 MeV [40.361 MeV] (A_Fe:374)
57Fe26 + 9 D* --> 45Sc21 + 30Si14 + 123.542 MeV [39.952 MeV] (A_Fe:375)
57Fe26 + 9 D* --> 48Ti22 + 27Al13 + 123.726 MeV [40.136 MeV] (A_Fe:376)
57Fe26 + 9 D* --> 50V23 + 25Mg12 + 120.456 MeV [36.866 MeV] (A_Fe:377)
57Fe26 + 9 D* --> 51V23 + 24Mg12 + 124.176 MeV [40.586 MeV] (A_Fe:378)
57Fe26 + 9 D* --> 52Cr24 + 23Na11 + 122.988 MeV [39.398 MeV] (A_Fe:379)
57Fe26 + 9 D* --> 55Mn25 + 20Ne10 + 122.794 MeV [39.204 MeV] (A_Fe:380)
57Fe26 + 9 D* --> 56Fe26 + 19F9 + 120.134 MeV [36.544 MeV] (A_Fe:381)
57Fe26 + 9 D* --> 59Co27 + 16O8 + 125.007 MeV [41.417 MeV] (A_Fe:382)
57Fe26 + 9 D* --> 60Ni28 + 15N7 + 122.412 MeV [38.822 MeV] (A_Fe:383)
57Fe26 + 9 D* --> 61Ni28 + 14N7 + 119.399 MeV [35.809 MeV] (A_Fe:384)
57Fe26 + 9 D* --> 63Cu29 + 12C6 + 123.621 MeV [40.031 MeV] (A_Fe:385)
57Fe26 + 9 D* --> 64Zn30 + 11B5 + 115.377 MeV [31.787 MeV] (A_Fe:386)
57Fe26 + 9 D* --> 74Se34 + 1H1 + 122.965 MeV [39.375 MeV] (A_Fe:387)

57Fe26 + 10 D* --> 40K19 + 37Cl17 + 136.474 MeV [41.700 MeV] (A_Fe:388)
57Fe26 + 10 D* --> 43Ca20 + 34S16 + 139.518 MeV [44.743 MeV] (A_Fe:389)
57Fe26 + 10 D* --> 44Ca20 + 33S16 + 139.232 MeV [44.457 MeV] (A_Fe:390)
57Fe26 + 10 D* --> 47Ti22 + 30Si14 + 140.542 MeV [45.768 MeV] (A_Fe:391)
57Fe26 + 10 D* --> 48Ti22 + 29Si14 + 141.560 MeV [46.786 MeV] (A_Fe:392)
57Fe26 + 10 D* --> 49Ti22 + 28Si14 + 141.229 MeV [46.454 MeV] (A_Fe:393)
57Fe26 + 10 D* --> 50V23 + 27Al13 + 137.595 MeV [42.821 MeV] (A_Fe:394)
57Fe26 + 10 D* --> 52Cr24 + 25Mg12 + 139.787 MeV [45.013 MeV] (A_Fe:395)
57Fe26 + 10 D* --> 53Cr24 + 24Mg12 + 140.395 MeV [45.621 MeV] (A_Fe:396)
57Fe26 + 10 D* --> 56Fe26 + 21Ne10 + 137.514 MeV [42.740 MeV] (A_Fe:397)
57Fe26 + 10 D* --> 57Fe26 + 20Ne10 + 138.399 MeV [43.625 MeV] (A_Fe:398)
57Fe26 + 10 D* --> 60Ni28 + 17O8 + 136.458 MeV [41.684 MeV] (A_Fe:399)
57Fe26 + 10 D* --> 61Ni28 + 16O8 + 140.135 MeV [45.361 MeV] (A_Fe:400)
57Fe26 + 10 D* --> 63Cu29 + 14N7 + 133.893 MeV [39.119 MeV] (A_Fe:401)
57Fe26 + 10 D* --> 64Zn30 + 13C6 + 134.056 MeV [39.281 MeV] (A_Fe:402)
57Fe26 + 10 D* --> 74Se34 + 3He2 + 128.459 MeV [33.684 MeV] (A_Fe:403)

57Fe26 + 11 D* --> 40Ar18 + 39K19 + 153.160 MeV [46.842 MeV] (A_Fe:404)
57Fe26 + 11 D* --> 41K19 + 38Ar18 + 154.586 MeV [48.269 MeV] (A_Fe:405)
57Fe26 + 11 D* --> 42Ca20 + 37Cl17 + 154.621 MeV [48.304 MeV] (A_Fe:406)
57Fe26 + 11 D* --> 44Ca20 + 35Cl17 + 154.795 MeV [48.477 MeV] (A_Fe:407)
57Fe26 + 11 D* --> 45Sc21 + 34S16 + 155.312 MeV [48.995 MeV] (A_Fe:408)
57Fe26 + 11 D* --> 48Ti22 + 31P15 + 157.241 MeV [50.924 MeV] (A_Fe:409)
57Fe26 + 11 D* --> 50V23 + 29Si14 + 155.429 MeV [49.112 MeV] (A_Fe:410)
57Fe26 + 11 D* --> 51V23 + 28Si14 + 158.007 MeV [51.689 MeV] (A_Fe:411)
57Fe26 + 11 D* --> 52Cr24 + 27Al13 + 156.926 MeV [50.609 MeV] (A_Fe:412)
57Fe26 + 11 D* --> 55Mn25 + 24Mg12 + 155.957 MeV [49.639 MeV] (A_Fe:413)
57Fe26 + 11 D* --> 56Fe26 + 23Na11 + 154.448 MeV [48.130 MeV] (A_Fe:414)
57Fe26 + 11 D* --> 59Co27 + 20Ne10 + 153.583 MeV [47.266 MeV] (A_Fe:415)
57Fe26 + 11 D* --> 60Ni28 + 19F9 + 150.272 MeV [43.955 MeV] (A_Fe:416)
57Fe26 + 11 D* --> 63Cu29 + 16O8 + 154.629 MeV [48.312 MeV] (A_Fe:417)
57Fe26 + 11 D* --> 64Zn30 + 15N7 + 150.215 MeV [43.897 MeV] (A_Fe:418)
57Fe26 + 11 D* --> 78Kr36 + 1H1 + 151.204 MeV [44.886 MeV] (A_Fe:419)

57Fe26 + 12 D* --> 41K19 + 40K19 + 166.543 MeV [48.327 MeV] (A_Fe:420)
57Fe26 + 12 D* --> 43Ca20 + 38Ar18 + 170.572 MeV [52.356 MeV] (A_Fe:421)
57Fe26 + 12 D* --> 47Ti22 + 34S16 + 172.313 MeV [54.097 MeV] (A_Fe:422)
57Fe26 + 12 D* --> 48Ti22 + 33S16 + 172.522 MeV [54.307 MeV] (A_Fe:423)
57Fe26 + 12 D* --> 49Ti22 + 32S16 + 172.023 MeV [53.808 MeV] (A_Fe:424)
57Fe26 + 12 D* --> 50V23 + 31P15 + 171.111 MeV [52.896 MeV] (A_Fe:425)
57Fe26 + 12 D* --> 52Cr24 + 29Si14 + 174.761 MeV [56.545 MeV] (A_Fe:426)
57Fe26 + 12 D* --> 53Cr24 + 28Si14 + 174.226 MeV [56.011 MeV] (A_Fe:427)
57Fe26 + 12 D* --> 56Fe26 + 25Mg12 + 171.247 MeV [53.031 MeV] (A_Fe:428)
57Fe26 + 12 D* --> 57Fe26 + 24Mg12 + 171.562 MeV [53.347 MeV] (A_Fe:429)
57Fe26 + 12 D* --> 60Ni28 + 21Ne10 + 167.652 MeV [49.437 MeV] (A_Fe:430)
57Fe26 + 12 D* --> 61Ni28 + 20Ne10 + 168.711 MeV [50.496 MeV] (A_Fe:431)
57Fe26 + 12 D* --> 64Zn30 + 17O8 + 164.261 MeV [46.046 MeV] (A_Fe:432)
57Fe26 + 12 D* --> 78Kr36 + 3He2 + 156.697 MeV [38.482 MeV] (A_Fe:433)

58Fe26 + 2 D* --> 36S16 + 26Mg12 + 10.997 MeV [-4.721 MeV] (A_Fe:434)
58Fe26 + 2 D* --> 40Ar18 + 22Ne10 + 7.183 MeV [-8.535 MeV] (A_Fe:435)
58Fe26 + 2 D* --> 44Ca20 + 18O8 + 6.368 MeV [-9.349 MeV] (A_Fe:436)
58Fe26 + 2 D* --> 46Ca20 + 16O8 + 11.990 MeV [-3.727 MeV] (A_Fe:437)
58Fe26 + 2 D* --> 49Ti22 + 13C6 + 9.552 MeV [-6.166 MeV] (A_Fe:438)
58Fe26 + 2 D* --> 50Ti22 + 12C6 + 15.545 MeV [-0.173 MeV] (A_Fe:439)
58Fe26 + 2 D* --> 51V23 + 11B5 + 7.651 MeV [-8.066 MeV] (A_Fe:440)
58Fe26 + 2 D* --> 53Cr24 + 9Be4 + 8.055 MeV [-7.662 MeV] (A_Fe:441)
58Fe26 + 2 D* --> 55Mn25 + 7Li3 + 6.920 MeV [-8.797 MeV] (A_Fe:442)
58Fe26 + 2 D* --> 58Fe26 + 4He2 + 23.847 MeV [8.129 MeV] (A_Fe:443)
58Fe26 + 2 D* --> 62Ni28 + 30.864 MeV [15.147 MeV] (A_Fe:444)

58Fe26 + 3 D* --> 49Ti22 + 15N7 + 25.711 MeV [1.519 MeV] (A_Fe:445)
58Fe26 + 3 D* --> 50Ti22 + 14N7 + 25.817 MeV [1.625 MeV] (A_Fe:446)
58Fe26 + 3 D* --> 51V23 + 13C6 + 26.330 MeV [2.138 MeV] (A_Fe:447)
58Fe26 + 3 D* --> 53Cr24 + 11B5 + 23.871 MeV [-0.321 MeV] (A_Fe:448)
58Fe26 + 3 D* --> 54Cr24 + 10B5 + 22.136 MeV [-2.056 MeV] (A_Fe:449)
58Fe26 + 3 D* --> 55Mn25 + 9Be4 + 23.617 MeV [-0.575 MeV] (A_Fe:450)
58Fe26 + 3 D* --> 57Fe26 + 7Li3 + 22.526 MeV [-1.666 MeV] (A_Fe:451)
58Fe26 + 3 D* --> 58Fe26 + 6Li3 + 25.320 MeV [1.128 MeV] (A_Fe:452)
58Fe26 + 3 D* --> 62Ni28 + 2H1 + 30.864 MeV [6.672 MeV] (A_Fe:453)

58Fe26 + 4 D* --> 36S16 + 30Si14 + 45.486 MeV [12.419 MeV] (A_Fe:454)
58Fe26 + 4 D* --> 40Ar18 + 26Mg12 + 41.644 MeV [8.577 MeV] (A_Fe:455)
58Fe26 + 4 D* --> 44Ca20 + 22Ne10 + 39.883 MeV [6.816 MeV] (A_Fe:456)
58Fe26 + 4 D* --> 46Ca20 + 20Ne10 + 40.566 MeV [7.499 MeV] (A_Fe:457)
58Fe26 + 4 D* --> 48Ti22 + 18O8 + 39.659 MeV [6.592 MeV] (A_Fe:458)
58Fe26 + 4 D* --> 49Ti22 + 17O8 + 39.757 MeV [6.690 MeV] (A_Fe:459)
58Fe26 + 4 D* --> 50Ti22 + 16O8 + 46.553 MeV [13.486 MeV] (A_Fe:460)
58Fe26 + 4 D* --> 51V23 + 15N7 + 42.489 MeV [9.422 MeV] (A_Fe:461)
58Fe26 + 4 D* --> 53Cr24 + 13C6 + 42.549 MeV [9.482 MeV] (A_Fe:462)
58Fe26 + 4 D* --> 54Cr24 + 12C6 + 47.322 MeV [14.255 MeV] (A_Fe:463)
58Fe26 + 4 D* --> 55Mn25 + 11B5 + 39.432 MeV [6.365 MeV] (A_Fe:464)
58Fe26 + 4 D* --> 57Fe26 + 9Be4 + 39.222 MeV [6.155 MeV] (A_Fe:465)
58Fe26 + 4 D* --> 59Co27 + 7Li3 + 37.710 MeV [4.643 MeV] (A_Fe:466)
58Fe26 + 4 D* --> 62Ni28 + 4He2 + 54.711 MeV [21.644 MeV] (A_Fe:467)
58Fe26 + 4 D* --> 65Cu29 + 1H1 + 50.364 MeV [17.297 MeV] (A_Fe:468)
58Fe26 + 4 D* --> 66Zn30 + 59.289 MeV [26.222 MeV] (A_Fe:469)

58Fe26 + 5 D* --> 49Ti22 + 19F9 + 53.571 MeV [11.236 MeV] (A_Fe:470)
58Fe26 + 5 D* --> 50V23 + 18O8 + 53.528 MeV [11.193 MeV] (A_Fe:471)
58Fe26 + 5 D* --> 51V23 + 17O8 + 56.535 MeV [14.200 MeV] (A_Fe:472)
58Fe26 + 5 D* --> 53Cr24 + 15N7 + 58.708 MeV [16.373 MeV] (A_Fe:473)
58Fe26 + 5 D* --> 54Cr24 + 14N7 + 57.594 MeV [15.259 MeV] (A_Fe:474)
58Fe26 + 5 D* --> 55Mn25 + 13C6 + 58.111 MeV [15.775 MeV] (A_Fe:475)
58Fe26 + 5 D* --> 57Fe26 + 11B5 + 55.037 MeV [12.702 MeV] (A_Fe:476)
58Fe26 + 5 D* --> 58Fe26 + 10B5 + 53.628 MeV [11.292 MeV] (A_Fe:477)
58Fe26 + 5 D* --> 59Co27 + 9Be4 + 54.406 MeV [12.070 MeV] (A_Fe:478)
58Fe26 + 5 D* --> 61Ni28 + 7Li3 + 52.838 MeV [10.502 MeV] (A_Fe:479)
58Fe26 + 5 D* --> 62Ni28 + 6Li3 + 56.184 MeV [13.849 MeV] (A_Fe:480)
58Fe26 + 5 D* --> 65Cu29 + 3He2 + 55.858 MeV [13.522 MeV] (A_Fe:481)
58Fe26 + 5 D* --> 66Zn30 + 2H1 + 59.289 MeV [16.953 MeV] (A_Fe:482)
58Fe26 + 5 D* --> 67Zn30 + 1H1 + 64.117 MeV [21.781 MeV] (A_Fe:483)

58Fe26 + 6 D* --> 36S16 + 34S16 + 77.257 MeV [25.265 MeV] (A_Fe:484)
58Fe26 + 6 D* --> 40Ar18 + 30Si14 + 76.134 MeV [24.142 MeV] (A_Fe:485)
58Fe26 + 6 D* --> 44Ca20 + 26Mg12 + 74.344 MeV [22.352 MeV] (A_Fe:486)
58Fe26 + 6 D* --> 46Ca20 + 24Mg12 + 73.730 MeV [21.738 MeV] (A_Fe:487)
58Fe26 + 6 D* --> 48Ti22 + 22Ne10 + 73.173 MeV [21.182 MeV] (A_Fe:488)
58Fe26 + 6 D* --> 49Ti22 + 21Ne10 + 70.951 MeV [18.960 MeV] (A_Fe:489)
58Fe26 + 6 D* --> 50Ti22 + 20Ne10 + 75.130 MeV [23.138 MeV] (A_Fe:490)
58Fe26 + 6 D* --> 51V23 + 19F9 + 70.350 MeV [18.358 MeV] (A_Fe:491)
58Fe26 + 6 D* --> 52Cr24 + 18O8 + 72.859 MeV [20.868 MeV] (A_Fe:492)
58Fe26 + 6 D* --> 53Cr24 + 17O8 + 72.754 MeV [20.763 MeV] (A_Fe:493)
58Fe26 + 6 D* --> 54Cr24 + 16O8 + 78.330 MeV [26.339 MeV] (A_Fe:494)
58Fe26 + 6 D* --> 55Mn25 + 15N7 + 74.270 MeV [22.279 MeV] (A_Fe:495)
58Fe26 + 6 D* --> 57Fe26 + 13C6 + 73.716 MeV [21.724 MeV] (A_Fe:496)
58Fe26 + 6 D* --> 58Fe26 + 12C6 + 78.814 MeV [26.823 MeV] (A_Fe:497)
58Fe26 + 6 D* --> 59Co27 + 11B5 + 70.221 MeV [18.230 MeV] (A_Fe:498)
58Fe26 + 6 D* --> 61Ni28 + 9Be4 + 69.534 MeV [17.543 MeV] (A_Fe:499)
58Fe26 + 6 D* --> 63Cu29 + 7Li3 + 67.332 MeV [15.341 MeV] (A_Fe:500)
58Fe26 + 6 D* --> 66Zn30 + 4He2 + 83.135 MeV [31.144 MeV] (A_Fe:501)
58Fe26 + 6 D* --> 67Zn30 + 3He2 + 69.610 MeV [17.619 MeV] (A_Fe:502)
58Fe26 + 6 D* --> 69Ga31 + 1H1 + 78.700 MeV [26.708 MeV] (A_Fe:503)
58Fe26 + 6 D* --> 70Ge32 + 87.224 MeV [35.232 MeV] (A_Fe:504)

58Fe26 + 7 D* --> 49Ti22 + 23Na11 + 87.885 MeV [25.857 MeV] (A_Fe:505)
58Fe26 + 7 D* --> 50V23 + 22Ne10 + 87.043 MeV [25.015 MeV] (A_Fe:506)
58Fe26 + 7 D* --> 51V23 + 21Ne10 + 87.730 MeV [25.702 MeV] (A_Fe:507)
58Fe26 + 7 D* --> 53Cr24 + 19F9 + 86.569 MeV [24.540 MeV] (A_Fe:508)
58Fe26 + 7 D* --> 55Mn25 + 17O8 + 88.316 MeV [26.288 MeV] (A_Fe:509)
58Fe26 + 7 D* --> 57Fe26 + 15N7 + 89.875 MeV [27.847 MeV] (A_Fe:510)
58Fe26 + 7 D* --> 58Fe26 + 14N7 + 89.087 MeV [27.058 MeV] (A_Fe:511)
58Fe26 + 7 D* --> 59Co27 + 13C6 + 88.900 MeV [26.872 MeV] (A_Fe:512)
58Fe26 + 7 D* --> 61Ni28 + 11B5 + 85.350 MeV [23.321 MeV] (A_Fe:513)
58Fe26 + 7 D* --> 62Ni28 + 10B5 + 84.492 MeV [22.464 MeV] (A_Fe:514)
58Fe26 + 7 D* --> 63Cu29 + 9Be4 + 84.029 MeV [22.000 MeV] (A_Fe:515)
58Fe26 + 7 D* --> 66Zn30 + 6Li3 + 84.609 MeV [22.581 MeV] (A_Fe:516)
58Fe26 + 7 D* --> 69Ga31 + 3He2 + 84.193 MeV [22.165 MeV] (A_Fe:517)
58Fe26 + 7 D* --> 70Ge32 + 2H1 + 87.224 MeV [25.196 MeV] (A_Fe:518)

58Fe26 + 8 D* --> 37Cl17 + 37Cl17 + 106.455 MeV [34.015 MeV] (A_Fe:519)
58Fe26 + 8 D* --> 38Ar18 + 36S16 + 108.311 MeV [35.871 MeV] (A_Fe:520)
58Fe26 + 8 D* --> 40Ar18 + 34S16 + 107.904 MeV [35.464 MeV] (A_Fe:521)
58Fe26 + 8 D* --> 44Ca20 + 30Si14 + 108.834 MeV [36.394 MeV] (A_Fe:522)
58Fe26 + 8 D* --> 46Ca20 + 28Si14 + 107.560 MeV [35.120 MeV] (A_Fe:523)
58Fe26 + 8 D* --> 48Ti22 + 26Mg12 + 107.635 MeV [35.195 MeV] (A_Fe:524)
58Fe26 + 8 D* --> 49Ti22 + 25Mg12 + 104.684 MeV [32.244 MeV] (A_Fe:525)
58Fe26 + 8 D* --> 50Ti22 + 24Mg12 + 108.293 MeV [35.852 MeV] (A_Fe:526)
58Fe26 + 8 D* --> 51V23 + 23Na11 + 104.664 MeV [32.223 MeV] (A_Fe:527)
58Fe26 + 8 D* --> 52Cr24 + 22Ne10 + 106.374 MeV [33.934 MeV] (A_Fe:528)
58Fe26 + 8 D* --> 53Cr24 + 21Ne10 + 103.949 MeV [31.509 MeV] (A_Fe:529)
58Fe26 + 8 D* --> 54Cr24 + 20Ne10 + 106.907 MeV [34.467 MeV] (A_Fe:530)
58Fe26 + 8 D* --> 55Mn25 + 19F9 + 102.130 MeV [29.690 MeV] (A_Fe:531)
58Fe26 + 8 D* --> 56Fe26 + 18O8 + 104.319 MeV [31.879 MeV] (A_Fe:532)
58Fe26 + 8 D* --> 57Fe26 + 17O8 + 103.921 MeV [31.481 MeV] (A_Fe:533)
58Fe26 + 8 D* --> 58Fe26 + 16O8 + 109.823 MeV [37.383 MeV] (A_Fe:534)
58Fe26 + 8 D* --> 59Co27 + 15N7 + 105.059 MeV [32.619 MeV] (A_Fe:535)
58Fe26 + 8 D* --> 61Ni28 + 13C6 + 104.028 MeV [31.588 MeV] (A_Fe:536)
58Fe26 + 8 D* --> 62Ni28 + 12C6 + 109.678 MeV [37.238 MeV] (A_Fe:537)
58Fe26 + 8 D* --> 63Cu29 + 11B5 + 99.844 MeV [27.404 MeV] (A_Fe:538)
58Fe26 + 8 D* --> 70Ge32 + 4He2 + 111.071 MeV [38.630 MeV] (A_Fe:539)
58Fe26 + 8 D* --> 74Se34 + 115.145 MeV [42.705 MeV] (A_Fe:540)

58Fe26 + 9 D* --> 40K19 + 36S16 + 120.267 MeV [37.046 MeV] (A_Fe:541)
58Fe26 + 9 D* --> 49Ti22 + 27Al13 + 121.824 MeV [38.602 MeV] (A_Fe:542)
58Fe26 + 9 D* --> 50V23 + 26Mg12 + 121.504 MeV [38.283 MeV] (A_Fe:543)
58Fe26 + 9 D* --> 51V23 + 25Mg12 + 121.462 MeV [38.241 MeV] (A_Fe:544)
58Fe26 + 9 D* --> 53Cr24 + 23Na11 + 120.883 MeV [37.661 MeV] (A_Fe:545)
58Fe26 + 9 D* --> 55Mn25 + 21Ne10 + 119.510 MeV [36.289 MeV] (A_Fe:546)
58Fe26 + 9 D* --> 57Fe26 + 19F9 + 117.736 MeV [34.514 MeV] (A_Fe:547)
58Fe26 + 9 D* --> 59Co27 + 17O8 + 119.105 MeV [35.884 MeV] (A_Fe:548)
58Fe26 + 9 D* --> 61Ni28 + 15N7 + 120.188 MeV [36.966 MeV] (A_Fe:549)
58Fe26 + 9 D* --> 62Ni28 + 14N7 + 119.951 MeV [36.729 MeV] (A_Fe:550)
58Fe26 + 9 D* --> 63Cu29 + 13C6 + 118.523 MeV [35.301 MeV] (A_Fe:551)
58Fe26 + 9 D* --> 66Zn30 + 10B5 + 112.917 MeV [29.695 MeV] (A_Fe:552)
58Fe26 + 9 D* --> 70Ge32 + 6Li3 + 112.544 MeV [29.323 MeV] (A_Fe:553)
58Fe26 + 9 D* --> 74Se34 + 2H1 + 115.145 MeV [31.923 MeV] (A_Fe:554)

58Fe26 + 10 D* --> 40Ar18 + 38Ar18 + 138.958 MeV [44.591 MeV] (A_Fe:555)
58Fe26 + 10 D* --> 41K19 + 37Cl17 + 136.524 MeV [42.157 MeV] (A_Fe:556)
58Fe26 + 10 D* --> 42Ca20 + 36S16 + 138.415 MeV [44.047 MeV] (A_Fe:557)
58Fe26 + 10 D* --> 44Ca20 + 34S16 + 140.604 MeV [46.237 MeV] (A_Fe:558)
58Fe26 + 10 D* --> 46Ca20 + 32S16 + 138.355 MeV [43.987 MeV] (A_Fe:559)
58Fe26 + 10 D* --> 48Ti22 + 30Si14 + 142.124 MeV [47.757 MeV] (A_Fe:560)
58Fe26 + 10 D* --> 49Ti22 + 29Si14 + 139.658 MeV [45.290 MeV] (A_Fe:561)
58Fe26 + 10 D* --> 50Ti22 + 28Si14 + 142.123 MeV [47.756 MeV] (A_Fe:562)
58Fe26 + 10 D* --> 51V23 + 27Al13 + 138.602 MeV [44.234 MeV] (A_Fe:563)
58Fe26 + 10 D* --> 52Cr24 + 26Mg12 + 140.835 MeV [46.468 MeV] (A_Fe:564)
58Fe26 + 10 D* --> 53Cr24 + 25Mg12 + 137.681 MeV [43.314 MeV] (A_Fe:565)
58Fe26 + 10 D* --> 54Cr24 + 24Mg12 + 140.070 MeV [45.702 MeV] (A_Fe:566)
58Fe26 + 10 D* --> 55Mn25 + 23Na11 + 136.444 MeV [42.077 MeV] (A_Fe:567)
58Fe26 + 10 D* --> 56Fe26 + 22Ne10 + 137.834 MeV [43.466 MeV] (A_Fe:568)
58Fe26 + 10 D* --> 57Fe26 + 21Ne10 + 135.116 MeV [40.748 MeV] (A_Fe:569)
58Fe26 + 10 D* --> 58Fe26 + 20Ne10 + 138.399 MeV [44.032 MeV] (A_Fe:570)
58Fe26 + 10 D* --> 59Co27 + 19F9 + 132.920 MeV [38.552 MeV] (A_Fe:571)
58Fe26 + 10 D* --> 60Ni28 + 18O8 + 134.457 MeV [40.090 MeV] (A_Fe:572)
58Fe26 + 10 D* --> 61Ni28 + 17O8 + 134.234 MeV [39.866 MeV] (A_Fe:573)
58Fe26 + 10 D* --> 62Ni28 + 16O8 + 140.687 MeV [46.319 MeV] (A_Fe:574)
58Fe26 + 10 D* --> 63Cu29 + 15N7 + 134.682 MeV [40.314 MeV] (A_Fe:575)
58Fe26 + 10 D* --> 66Zn30 + 12C6 + 138.103 MeV [43.736 MeV] (A_Fe:576)
58Fe26 + 10 D* --> 74Se34 + 4He2 + 138.992 MeV [44.624 MeV] (A_Fe:577)
58Fe26 + 10 D* --> 78Kr36 + 143.384 MeV [49.016 MeV] (A_Fe:578)

58Fe26 + 11 D* --> 40Ar18 + 40K19 + 150.915 MeV [45.042 MeV] (A_Fe:579)
58Fe26 + 11 D* --> 40K19 + 40Ar18 + 150.915 MeV [45.042 MeV] (A_Fe:580)
58Fe26 + 11 D* --> 43Ca20 + 37Cl17 + 152.510 MeV [46.637 MeV] (A_Fe:581)
58Fe26 + 11 D* --> 49Ti22 + 31P15 + 155.339 MeV [49.466 MeV] (A_Fe:582)
58Fe26 + 11 D* --> 50V23 + 30Si14 + 155.994 MeV [50.121 MeV] (A_Fe:583)
58Fe26 + 11 D* --> 51V23 + 29Si14 + 156.436 MeV [50.563 MeV] (A_Fe:584)
58Fe26 + 11 D* --> 53Cr24 + 27Al13 + 154.821 MeV [48.948 MeV] (A_Fe:585)
58Fe26 + 11 D* --> 55Mn25 + 25Mg12 + 153.243 MeV [47.370 MeV] (A_Fe:586)
58Fe26 + 11 D* --> 57Fe26 + 23Na11 + 152.050 MeV [46.177 MeV] (A_Fe:587)
58Fe26 + 11 D* --> 59Co27 + 21Ne10 + 150.300 MeV [44.427 MeV] (A_Fe:588)
58Fe26 + 11 D* --> 61Ni28 + 19F9 + 148.048 MeV [42.175 MeV] (A_Fe:589)
58Fe26 + 11 D* --> 63Cu29 + 17O8 + 148.728 MeV [42.855 MeV] (A_Fe:590)
58Fe26 + 11 D* --> 66Zn30 + 14N7 + 148.376 MeV [42.503 MeV] (A_Fe:591)
58Fe26 + 11 D* --> 70Ge32 + 10B5 + 140.852 MeV [34.979 MeV] (A_Fe:592)
58Fe26 + 11 D* --> 74Se34 + 6Li3 + 140.465 MeV [34.593 MeV] (A_Fe:593)
58Fe26 + 11 D* --> 78Kr36 + 2H1 + 143.384 MeV [37.511 MeV] (A_Fe:594)

58Fe26 + 12 D* --> 41K19 + 41K19 + 166.593 MeV [48.861 MeV] (A_Fe:595)
58Fe26 + 12 D* --> 42Ca20 + 40Ar18 + 169.062 MeV [51.329 MeV] (A_Fe:596)
58Fe26 + 12 D* --> 44Ca20 + 38Ar18 + 171.658 MeV [53.925 MeV] (A_Fe:597)
58Fe26 + 12 D* --> 46Ca20 + 36Ar18 + 168.842 MeV [51.109 MeV] (A_Fe:598)
58Fe26 + 12 D* --> 45Sc21 + 37Cl17 + 168.305 MeV [50.572 MeV] (A_Fe:599)
58Fe26 + 12 D* --> 46Ti22 + 36S16 + 170.263 MeV [52.530 MeV] (A_Fe:600)
58Fe26 + 12 D* --> 48Ti22 + 34S16 + 173.895 MeV [56.162 MeV] (A_Fe:601)
58Fe26 + 12 D* --> 49Ti22 + 33S16 + 170.620 MeV [52.887 MeV] (A_Fe:602)
58Fe26 + 12 D* --> 50Ti22 + 32S16 + 172.918 MeV [55.185 MeV] (A_Fe:603)
58Fe26 + 12 D* --> 51V23 + 31P15 + 172.118 MeV [54.385 MeV] (A_Fe:604)
58Fe26 + 12 D* --> 52Cr24 + 30Si14 + 175.325 MeV [57.592 MeV] (A_Fe:605)
58Fe26 + 12 D* --> 53Cr24 + 29Si14 + 172.655 MeV [54.922 MeV] (A_Fe:606)

58Fe26 + 12 D* --> 54Cr24 + 28Si14 + 173.901 MeV [56.168 MeV] (A_Fe:607)
58Fe26 + 12 D* --> 55Mn25 + 27Al13 + 170.382 MeV [52.650 MeV] (A_Fe:608)
58Fe26 + 12 D* --> 56Fe26 + 26Mg12 + 172.295 MeV [54.562 MeV] (A_Fe:609)
58Fe26 + 12 D* --> 57Fe26 + 25Mg12 + 168.848 MeV [51.115 MeV] (A_Fe:610)
58Fe26 + 12 D* --> 58Fe26 + 24Mg12 + 171.562 MeV [53.829 MeV] (A_Fe:611)
58Fe26 + 12 D* --> 59Co27 + 23Na11 + 167.234 MeV [49.501 MeV] (A_Fe:612)
58Fe26 + 12 D* --> 60Ni28 + 22Ne10 + 167.972 MeV [50.239 MeV] (A_Fe:613)
58Fe26 + 12 D* --> 61Ni28 + 21Ne10 + 165.428 MeV [47.695 MeV] (A_Fe:614)
58Fe26 + 12 D* --> 62Ni28 + 20Ne10 + 169.263 MeV [51.530 MeV] (A_Fe:615)
58Fe26 + 12 D* --> 63Cu29 + 19F9 + 162.542 MeV [44.809 MeV] (A_Fe:616)
58Fe26 + 12 D* --> 64Zn30 + 18O8 + 162.260 MeV [44.528 MeV] (A_Fe:617)
58Fe26 + 12 D* --> 66Zn30 + 16O8 + 169.112 MeV [51.379 MeV] (A_Fe:618)
58Fe26 + 12 D* --> 70Ge32 + 12C6 + 166.038 MeV [48.306 MeV] (A_Fe:619)
58Fe26 + 12 D* --> 78Kr36 + 4He2 + 167.230 MeV [49.497 MeV] (A_Fe:620)

---------- Equations follow for Cobalt, Co, element 27 ----------

59Co27 + D* --> 57Fe26 + 4He2 + 8.663 MeV [00.761 MeV] (A_Co:1)
59Co27 + D* --> 61Ni28 + 15.128 MeV [7.227 MeV] (A_Co:2)

59Co27 + 2 D* --> 36S16 + 27Al13 + 11.904 MeV [-4.309 MeV] (A_Co:3)
59Co27 + 2 D* --> 37Cl17 + 26Mg12 + 12.019 MeV [-4.194 MeV] (A_Co:4)
59Co27 + 2 D* --> 40Ar18 + 23Na11 + 8.613 MeV [-7.600 MeV] (A_Co:5)
59Co27 + 2 D* --> 41K19 + 22Ne10 + 7.627 MeV [-8.586 MeV] (A_Co:6)
59Co27 + 2 D* --> 44Ca20 + 19F9 + 6.999 MeV [-9.214 MeV] (A_Co:7)
59Co27 + 2 D* --> 45Sc21 + 18O8 + 5.892 MeV [-10.321 MeV] (A_Co:8)
59Co27 + 2 D* --> 48Ti22 + 15N7 + 12.429 MeV [-3.784 MeV] (A_Co:9)
59Co27 + 2 D* --> 49Ti22 + 14N7 + 9.738 MeV [-6.474 MeV] (A_Co:10)
59Co27 + 2 D* --> 50V23 + 13C6 + 10.140 MeV [-6.073 MeV] (A_Co:11)
59Co27 + 2 D* --> 51V23 + 12C6 + 16.244 MeV [00.032 MeV] (A_Co:12)
59Co27 + 2 D* --> 52Cr24 + 11B5 + 10.792 MeV [-5.421 MeV] (A_Co:13)
59Co27 + 2 D* --> 53Cr24 + 10B5 + 7.277 MeV [-8.936 MeV] (A_Co:14)
59Co27 + 2 D* --> 56Fe26 + 7Li3 + 9.740 MeV [-6.473 MeV] (A_Co:15)
59Co27 + 2 D* --> 57Fe26 + 6Li3 + 10.136 MeV [-6.077 MeV] (A_Co:16)
59Co27 + 2 D* --> 59Co27 + 4He2 + 23.847 MeV [7.634 MeV] (A_Co:17)
59Co27 + 2 D* --> 61Ni28 + 2H1 + 15.128 MeV [-1.085 MeV] (A_Co:18)
59Co27 + 2 D* --> 62Ni28 + 1H1 + 23.500 MeV [7.287 MeV] (A_Co:19)
59Co27 + 2 D* --> 63Cu29 + 29.623 MeV [13.410 MeV] (A_Co:20)

59Co27 + 3 D* --> 36S16 + 29Si14 + 29.738 MeV [4.811 MeV] (A_Co:21)
59Co27 + 3 D* --> 40Ar18 + 25Mg12 + 25.411 MeV [00.485 MeV] (A_Co:22)
59Co27 + 3 D* --> 43Ca20 + 22Ne10 + 23.612 MeV [-1.315 MeV] (A_Co:23)
59Co27 + 3 D* --> 44Ca20 + 21Ne10 + 24.379 MeV [-0.548 MeV] (A_Co:24)
59Co27 + 3 D* --> 47Ti22 + 18O8 + 22.893 MeV [-2.034 MeV] (A_Co:25)
59Co27 + 3 D* --> 48Ti22 + 17O8 + 26.475 MeV [1.548 MeV] (A_Co:26)
59Co27 + 3 D* --> 49Ti22 + 16O8 + 30.475 MeV [5.548 MeV] (A_Co:27)
59Co27 + 3 D* --> 50V23 + 15N7 + 26.299 MeV [1.372 MeV] (A_Co:28)
59Co27 + 3 D* --> 51V23 + 14N7 + 26.517 MeV [1.590 MeV] (A_Co:29)
59Co27 + 3 D* --> 52Cr24 + 13C6 + 29.471 MeV [4.544 MeV] (A_Co:30)
59Co27 + 3 D* --> 53Cr24 + 12C6 + 32.463 MeV [7.537 MeV] (A_Co:31)
59Co27 + 3 D* --> 55Mn25 + 10B5 + 22.839 MeV [-2.088 MeV] (A_Co:32)
59Co27 + 3 D* --> 56Fe26 + 9Be4 + 26.436 MeV [1.510 MeV] (A_Co:33)
59Co27 + 3 D* --> 59Co27 + 6Li3 + 25.320 MeV [00.394 MeV] (A_Co:34)
59Co27 + 3 D* --> 61Ni28 + 4He2 + 38.975 MeV [14.048 MeV] (A_Co:35)

59Co27 + 3 D* --> 62Ni28 + 3He2 + 28.994 MeV [4.067 MeV] (A_Co:36)
59Co27 + 3 D* --> 63Cu29 + 2H1 + 29.623 MeV [4.696 MeV] (A_Co:37)

59Co27 + 4 D* --> 36S16 + 31P15 + 45.419 MeV [11.383 MeV] (A_Co:38)
59Co27 + 4 D* --> 37Cl17 + 30Si14 + 46.509 MeV [12.473 MeV] (A_Co:39)
59Co27 + 4 D* --> 40Ar18 + 27Al13 + 42.551 MeV [8.515 MeV] (A_Co:40)
59Co27 + 4 D* --> 41K19 + 26Mg12 + 42.088 MeV [8.052 MeV] (A_Co:41)
59Co27 + 4 D* --> 44Ca20 + 23Na11 + 41.313 MeV [7.277 MeV] (A_Co:42)
59Co27 + 4 D* --> 45Sc21 + 22Ne10 + 39.407 MeV [5.371 MeV] (A_Co:43)
59Co27 + 4 D* --> 48Ti22 + 19F9 + 40.290 MeV [6.253 MeV] (A_Co:44)
59Co27 + 4 D* --> 50V23 + 17O8 + 40.345 MeV [6.309 MeV] (A_Co:45)
59Co27 + 4 D* --> 51V23 + 16O8 + 47.253 MeV [13.217 MeV] (A_Co:46)
59Co27 + 4 D* --> 52Cr24 + 15N7 + 45.630 MeV [11.594 MeV] (A_Co:47)
59Co27 + 4 D* --> 53Cr24 + 14N7 + 42.736 MeV [8.700 MeV] (A_Co:48)
59Co27 + 4 D* --> 55Mn25 + 12C6 + 48.025 MeV [13.989 MeV] (A_Co:49)
59Co27 + 4 D* --> 56Fe26 + 11B5 + 42.252 MeV [8.216 MeV] (A_Co:50)
59Co27 + 4 D* --> 57Fe26 + 10B5 + 38.444 MeV [4.408 MeV] (A_Co:51)
59Co27 + 4 D* --> 60Ni28 + 7Li3 + 39.878 MeV [5.842 MeV] (A_Co:52)
59Co27 + 4 D* --> 61Ni28 + 6Li3 + 40.449 MeV [6.412 MeV] (A_Co:53)
59Co27 + 4 D* --> 63Cu29 + 4He2 + 53.469 MeV [19.433 MeV] (A_Co:54)
59Co27 + 4 D* --> 66Zn30 + 1H1 + 51.925 MeV [17.889 MeV] (A_Co:55)

59Co27 + 5 D* --> 36S16 + 33S16 + 60.700 MeV [17.166 MeV] (A_Co:56)
59Co27 + 5 D* --> 40Ar18 + 29Si14 + 60.385 MeV [16.851 MeV] (A_Co:57)
59Co27 + 5 D* --> 43Ca20 + 26Mg12 + 58.073 MeV [14.539 MeV] (A_Co:58)
59Co27 + 5 D* --> 44Ca20 + 25Mg12 + 58.112 MeV [14.577 MeV] (A_Co:59)
59Co27 + 5 D* --> 47Ti22 + 22Ne10 + 56.407 MeV [12.873 MeV] (A_Co:60)
59Co27 + 5 D* --> 48Ti22 + 21Ne10 + 57.670 MeV [14.135 MeV] (A_Co:61)
59Co27 + 5 D* --> 49Ti22 + 20Ne10 + 59.051 MeV [15.516 MeV] (A_Co:62)
59Co27 + 5 D* --> 50V23 + 19F9 + 54.159 MeV [10.625 MeV] (A_Co:63)
59Co27 + 5 D* --> 52Cr24 + 17O8 + 59.676 MeV [16.141 MeV] (A_Co:64)
59Co27 + 5 D* --> 53Cr24 + 16O8 + 63.472 MeV [19.937 MeV] (A_Co:65)
59Co27 + 5 D* --> 55Mn25 + 14N7 + 58.297 MeV [14.763 MeV] (A_Co:66)
59Co27 + 5 D* --> 56Fe26 + 13C6 + 60.931 MeV [17.396 MeV] (A_Co:67)
59Co27 + 5 D* --> 57Fe26 + 12C6 + 63.630 MeV [20.096 MeV] (A_Co:68)
59Co27 + 5 D* --> 59Co27 + 10B5 + 53.628 MeV [10.093 MeV] (A_Co:69)
59Co27 + 5 D* --> 60Ni28 + 9Be4 + 56.575 MeV [13.040 MeV] (A_Co:70)
59Co27 + 5 D* --> 63Cu29 + 6Li3 + 54.943 MeV [11.408 MeV] (A_Co:71)
59Co27 + 5 D* --> 66Zn30 + 3He2 + 57.418 MeV [13.884 MeV] (A_Co:72)

59Co27 + 6 D* --> 36S16 + 35Cl17 + 76.264 MeV [22.848 MeV] (A_Co:73)
59Co27 + 6 D* --> 37Cl17 + 34S16 + 78.279 MeV [24.864 MeV] (A_Co:74)
59Co27 + 6 D* --> 40Ar18 + 31P15 + 76.067 MeV [22.651 MeV] (A_Co:75)
59Co27 + 6 D* --> 41K19 + 30Si14 + 76.578 MeV [23.162 MeV] (A_Co:76)
59Co27 + 6 D* --> 44Ca20 + 27Al13 + 75.251 MeV [21.836 MeV] (A_Co:77)
59Co27 + 6 D* --> 45Sc21 + 26Mg12 + 73.868 MeV [20.453 MeV] (A_Co:78)
59Co27 + 6 D* --> 48Ti22 + 23Na11 + 74.603 MeV [21.188 MeV] (A_Co:79)
59Co27 + 6 D* --> 50V23 + 21Ne10 + 71.539 MeV [18.124 MeV] (A_Co:80)
59Co27 + 6 D* --> 51V23 + 20Ne10 + 75.829 MeV [22.414 MeV] (A_Co:81)
59Co27 + 6 D* --> 52Cr24 + 19F9 + 73.490 MeV [20.075 MeV] (A_Co:82)
59Co27 + 6 D* --> 55Mn25 + 16O8 + 79.033 MeV [25.618 MeV] (A_Co:83)
59Co27 + 6 D* --> 56Fe26 + 15N7 + 77.090 MeV [23.674 MeV] (A_Co:84)
59Co27 + 6 D* --> 57Fe26 + 14N7 + 73.903 MeV [20.487 MeV] (A_Co:85)
59Co27 + 6 D* --> 59Co27 + 12C6 + 78.814 MeV [25.399 MeV] (A_Co:86)

59Co27 + 6 D* --> 60Ni28 + 11B5 + 72.390 MeV [18.975 MeV] (A_Co:87)
59Co27 + 6 D* --> 61Ni28 + 10B5 + 68.756 MeV [15.341 MeV] (A_Co:88)
59Co27 + 6 D* --> 64Zn30 + 7Li3 + 67.681 MeV [14.266 MeV] (A_Co:89)
59Co27 + 6 D* --> 70Ge32 + 1H1 + 79.860 MeV [26.445 MeV] (A_Co:90)

59Co27 + 7 D* --> 40Ar18 + 33S16 + 91.348 MeV [27.674 MeV] (A_Co:91)
59Co27 + 7 D* --> 43Ca20 + 30Si14 + 92.563 MeV [28.890 MeV] (A_Co:92)
59Co27 + 7 D* --> 44Ca20 + 29Si14 + 93.085 MeV [29.412 MeV] (A_Co:93)
59Co27 + 7 D* --> 47Ti22 + 26Mg12 + 90.869 MeV [27.195 MeV] (A_Co:94)
59Co27 + 7 D* --> 48Ti22 + 25Mg12 + 91.402 MeV [27.729 MeV] (A_Co:95)
59Co27 + 7 D* --> 49Ti22 + 24Mg12 + 92.214 MeV [28.541 MeV] (A_Co:96)
59Co27 + 7 D* --> 50V23 + 23Na11 + 88.473 MeV [24.800 MeV] (A_Co:97)
59Co27 + 7 D* --> 52Cr24 + 21Ne10 + 90.870 MeV [27.197 MeV] (A_Co:98)
59Co27 + 7 D* --> 53Cr24 + 20Ne10 + 92.048 MeV [28.375 MeV] (A_Co:99)
59Co27 + 7 D* --> 56Fe26 + 17O8 + 91.136 MeV [27.463 MeV] (A_Co:100)
59Co27 + 7 D* --> 57Fe26 + 16O8 + 94.639 MeV [30.966 MeV] (A_Co:101)
59Co27 + 7 D* --> 59Co27 + 14N7 + 89.087 MeV [25.413 MeV] (A_Co:102)
59Co27 + 7 D* --> 60Ni28 + 13C6 + 91.069 MeV [27.395 MeV] (A_Co:103)
59Co27 + 7 D* --> 61Ni28 + 12C6 + 93.943 MeV [30.269 MeV] (A_Co:104)
59Co27 + 7 D* --> 63Cu29 + 10B5 + 83.250 MeV [19.577 MeV] (A_Co:105)
59Co27 + 7 D* --> 64Zn30 + 9Be4 + 84.378 MeV [20.704 MeV] (A_Co:106)
59Co27 + 7 D* --> 70Ge32 + 3He2 + 85.354 MeV [21.680 MeV] (A_Co:107)

59Co27 + 8 D* --> 38Ar18 + 37Cl17 + 109.333 MeV [35.031 MeV] (A_Co:108)
59Co27 + 8 D* --> 40Ar18 + 35Cl17 + 106.911 MeV [32.609 MeV] (A_Co:109)
59Co27 + 8 D* --> 39K19 + 36S16 + 107.328 MeV [33.026 MeV] (A_Co:110)
59Co27 + 8 D* --> 41K19 + 34S16 + 108.348 MeV [34.046 MeV] (A_Co:111)
59Co27 + 8 D* --> 44Ca20 + 31P15 + 108.767 MeV [34.465 MeV] (A_Co:112)
59Co27 + 8 D* --> 45Sc21 + 30Si14 + 108.358 MeV [34.056 MeV] (A_Co:113)
59Co27 + 8 D* --> 48Ti22 + 27Al13 + 108.542 MeV [34.240 MeV] (A_Co:114)
59Co27 + 8 D* --> 50V23 + 25Mg12 + 105.272 MeV [30.970 MeV] (A_Co:115)
59Co27 + 8 D* --> 51V23 + 24Mg12 + 108.992 MeV [34.690 MeV] (A_Co:116)
59Co27 + 8 D* --> 52Cr24 + 23Na11 + 107.804 MeV [33.502 MeV] (A_Co:117)
59Co27 + 8 D* --> 55Mn25 + 20Ne10 + 107.610 MeV [33.308 MeV] (A_Co:118)
59Co27 + 8 D* --> 56Fe26 + 19F9 + 104.950 MeV [30.648 MeV] (A_Co:119)
59Co27 + 8 D* --> 59Co27 + 16O8 + 109.823 MeV [35.521 MeV] (A_Co:120)
59Co27 + 8 D* --> 60Ni28 + 15N7 + 107.228 MeV [32.926 MeV] (A_Co:121)
59Co27 + 8 D* --> 61Ni28 + 14N7 + 104.215 MeV [29.913 MeV] (A_Co:122)
59Co27 + 8 D* --> 63Cu29 + 12C6 + 108.437 MeV [34.135 MeV] (A_Co:123)
59Co27 + 8 D* --> 64Zn30 + 11B5 + 100.193 MeV [25.891 MeV] (A_Co:124)
59Co27 + 8 D* --> 74Se34 + 1H1 + 107.781 MeV [33.479 MeV] (A_Co:125)

59Co27 + 9 D* --> 40K19 + 37Cl17 + 121.290 MeV [35.993 MeV] (A_Co:126)
59Co27 + 9 D* --> 43Ca20 + 34S16 + 124.334 MeV [39.037 MeV] (A_Co:127)
59Co27 + 9 D* --> 44Ca20 + 33S16 + 124.048 MeV [38.751 MeV] (A_Co:128)
59Co27 + 9 D* --> 47Ti22 + 30Si14 + 125.358 MeV [40.062 MeV] (A_Co:129)
59Co27 + 9 D* --> 48Ti22 + 29Si14 + 126.376 MeV [41.079 MeV] (A_Co:130)
59Co27 + 9 D* --> 49Ti22 + 28Si14 + 126.045 MeV [40.748 MeV] (A_Co:131)
59Co27 + 9 D* --> 50V23 + 27Al13 + 122.411 MeV [37.114 MeV] (A_Co:132)
59Co27 + 9 D* --> 52Cr24 + 25Mg12 + 124.603 MeV [39.306 MeV] (A_Co:133)
59Co27 + 9 D* --> 53Cr24 + 24Mg12 + 125.211 MeV [39.915 MeV] (A_Co:134)
59Co27 + 9 D* --> 56Fe26 + 21Ne10 + 122.330 MeV [37.033 MeV] (A_Co:135)
59Co27 + 9 D* --> 57Fe26 + 20Ne10 + 123.215 MeV [37.918 MeV] (A_Co:136)
59Co27 + 9 D* --> 60Ni28 + 17O8 + 121.274 MeV [35.977 MeV] (A_Co:137)

59Co27 + 9 D* --> 61Ni28 + 16O8 + 124.951 MeV [39.654 MeV] (A_Co:138)
59Co27 + 9 D* --> 63Cu29 + 14N7 + 118.709 MeV [33.412 MeV] (A_Co:139)
59Co27 + 9 D* --> 64Zn30 + 13C6 + 118.872 MeV [33.575 MeV] (A_Co:140)
59Co27 + 9 D* --> 74Se34 + 3He2 + 113.275 MeV [27.978 MeV] (A_Co:141)

59Co27 + 10 D* --> 40Ar18 + 39K19 + 137.976 MeV [41.323 MeV] (A_Co:142)
59Co27 + 10 D* --> 41K19 + 38Ar18 + 139.402 MeV [42.750 MeV] (A_Co:143)
59Co27 + 10 D* --> 42Ca20 + 37Cl17 + 139.437 MeV [42.785 MeV] (A_Co:144)
59Co27 + 10 D* --> 44Ca20 + 35Cl17 + 139.611 MeV [42.958 MeV] (A_Co:145)
59Co27 + 10 D* --> 45Sc21 + 34S16 + 140.128 MeV [43.476 MeV] (A_Co:146)
59Co27 + 10 D* --> 48Ti22 + 31P15 + 142.057 MeV [45.405 MeV] (A_Co:147)
59Co27 + 10 D* --> 50V23 + 29Si14 + 140.245 MeV [43.593 MeV] (A_Co:148)
59Co27 + 10 D* --> 51V23 + 28Si14 + 142.823 MeV [46.171 MeV] (A_Co:149)
59Co27 + 10 D* --> 52Cr24 + 27Al13 + 141.742 MeV [45.090 MeV] (A_Co:150)
59Co27 + 10 D* --> 55Mn25 + 24Mg12 + 140.773 MeV [44.121 MeV] (A_Co:151)
59Co27 + 10 D* --> 56Fe26 + 23Na11 + 139.264 MeV [42.612 MeV] (A_Co:152)
59Co27 + 10 D* --> 59Co27 + 20Ne10 + 138.399 MeV [41.747 MeV] (A_Co:153)
59Co27 + 10 D* --> 60Ni28 + 19F9 + 135.088 MeV [38.436 MeV] (A_Co:154)
59Co27 + 10 D* --> 63Cu29 + 16O8 + 139.445 MeV [42.793 MeV] (A_Co:155)
59Co27 + 10 D* --> 64Zn30 + 15N7 + 135.031 MeV [38.379 MeV] (A_Co:156)
59Co27 + 10 D* --> 78Kr36 + 1H1 + 136.020 MeV [39.367 MeV] (A_Co:157)

59Co27 + 11 D* --> 41K19 + 40K19 + 151.359 MeV [42.995 MeV] (A_Co:158)
59Co27 + 11 D* --> 43Ca20 + 38Ar18 + 155.388 MeV [47.024 MeV] (A_Co:159)
59Co27 + 11 D* --> 47Ti22 + 34S16 + 157.129 MeV [48.765 MeV] (A_Co:160)
59Co27 + 11 D* --> 48Ti22 + 33S16 + 157.338 MeV [48.974 MeV] (A_Co:161)
59Co27 + 11 D* --> 49Ti22 + 32S16 + 156.839 MeV [48.475 MeV] (A_Co:162)
59Co27 + 11 D* --> 50V23 + 31P15 + 155.927 MeV [47.563 MeV] (A_Co:163)
59Co27 + 11 D* --> 52Cr24 + 29Si14 + 159.577 MeV [51.212 MeV] (A_Co:164)
59Co27 + 11 D* --> 53Cr24 + 28Si14 + 159.042 MeV [50.678 MeV] (A_Co:165)
59Co27 + 11 D* --> 56Fe26 + 25Mg12 + 156.063 MeV [47.699 MeV] (A_Co:166)
59Co27 + 11 D* --> 57Fe26 + 24Mg12 + 156.378 MeV [48.014 MeV] (A_Co:167)
59Co27 + 11 D* --> 60Ni28 + 21Ne10 + 152.468 MeV [44.104 MeV] (A_Co:168)
59Co27 + 11 D* --> 61Ni28 + 20Ne10 + 153.527 MeV [45.163 MeV] (A_Co:169)
59Co27 + 11 D* --> 64Zn30 + 17O8 + 149.077 MeV [40.713 MeV] (A_Co:170)
59Co27 + 11 D* --> 78Kr36 + 3He2 + 141.513 MeV [33.149 MeV] (A_Co:171)

59Co27 + 12 D* --> 42Ca20 + 41K19 + 169.506 MeV [49.079 MeV] (A_Co:172)
59Co27 + 12 D* --> 43Ca20 + 40K19 + 167.344 MeV [46.917 MeV] (A_Co:173)
59Co27 + 12 D* --> 44Ca20 + 39K19 + 170.676 MeV [50.249 MeV] (A_Co:174)
59Co27 + 12 D* --> 45Sc21 + 38Ar18 + 171.183 MeV [50.755 MeV] (A_Co:175)
59Co27 + 12 D* --> 46Ti22 + 37Cl17 + 171.285 MeV [50.858 MeV] (A_Co:176)
59Co27 + 12 D* --> 48Ti22 + 35Cl17 + 172.902 MeV [52.474 MeV] (A_Co:177)
59Co27 + 12 D* --> 50V23 + 33S16 + 171.208 MeV [50.781 MeV] (A_Co:178)
59Co27 + 12 D* --> 51V23 + 32S16 + 173.617 MeV [53.190 MeV] (A_Co:179)
59Co27 + 12 D* --> 52Cr24 + 31P15 + 175.258 MeV [54.831 MeV] (A_Co:180)
59Co27 + 12 D* --> 55Mn25 + 28Si14 + 174.604 MeV [54.176 MeV] (A_Co:181)
59Co27 + 12 D* --> 56Fe26 + 27Al13 + 173.202 MeV [52.775 MeV] (A_Co:182)
59Co27 + 12 D* --> 59Co27 + 24Mg12 + 171.562 MeV [51.135 MeV] (A_Co:183)
59Co27 + 12 D* --> 60Ni28 + 23Na11 + 169.402 MeV [48.975 MeV] (A_Co:184)
59Co27 + 12 D* --> 63Cu29 + 20Ne10 + 168.022 MeV [47.595 MeV] (A_Co:185)
59Co27 + 12 D* --> 64Zn30 + 19F9 + 162.891 MeV [42.464 MeV] (A_Co:186)

---------- Equations follow for Nickel, Ni, element 28 ----------

Report A - Energetically Feasible Aneutronic X + n D* --> Y + Z Reactions, n = 1 to 12
Creating Stable Isotopes Y and Z With No Weak Reactions

58Ni28 + 2 D* --> 31P15 + 31P15 + 14.926 MeV [-1.956 MeV] (A_Ni:1)
58Ni28 + 2 D* --> 32S16 + 30Si14 + 16.492 MeV [-0.389 MeV] (A_Ni:2)
58Ni28 + 2 D* --> 33S16 + 29Si14 + 14.525 MeV [-2.357 MeV] (A_Ni:3)
58Ni28 + 2 D* --> 34S16 + 28Si14 + 17.468 MeV [00.587 MeV] (A_Ni:4)
58Ni28 + 2 D* --> 35Cl17 + 27Al13 + 12.254 MeV [-4.628 MeV] (A_Ni:5)
58Ni28 + 2 D* --> 36Ar18 + 26Mg12 + 12.490 MeV [-4.392 MeV] (A_Ni:6)
58Ni28 + 2 D* --> 38Ar18 + 24Mg12 + 14.692 MeV [-2.190 MeV] (A_Ni:7)
58Ni28 + 2 D* --> 39K19 + 23Na11 + 9.381 MeV [-7.501 MeV] (A_Ni:8)
58Ni28 + 2 D* --> 40Ca20 + 22Ne10 + 8.915 MeV [-7.967 MeV] (A_Ni:9)
58Ni28 + 2 D* --> 42Ca20 + 20Ne10 + 11.633 MeV [-5.249 MeV] (A_Ni:10)
58Ni28 + 2 D* --> 46Ti22 + 16O8 + 14.904 MeV [-1.978 MeV] (A_Ni:11)
58Ni28 + 2 D* --> 50Cr24 + 12C6 + 16.303 MeV [-0.578 MeV] (A_Ni:12)
58Ni28 + 2 D* --> 58Ni28 + 4He2 + 23.847 MeV [6.965 MeV] (A_Ni:13)

58Ni28 + 3 D* --> 33S16 + 31P15 + 30.206 MeV [4.286 MeV] (A_Ni:14)
58Ni28 + 3 D* --> 35Cl17 + 29Si14 + 30.088 MeV [4.168 MeV] (A_Ni:15)
58Ni28 + 3 D* --> 39K19 + 25Mg12 + 26.179 MeV [00.259 MeV] (A_Ni:16)
58Ni28 + 3 D* --> 40K19 + 24Mg12 + 26.648 MeV [00.728 MeV] (A_Ni:17)
58Ni28 + 3 D* --> 50Cr24 + 14N7 + 26.576 MeV [00.656 MeV] (A_Ni:18)
58Ni28 + 3 D* --> 54Fe26 + 10B5 + 23.381 MeV [-2.539 MeV] (A_Ni:19)
58Ni28 + 3 D* --> 58Ni28 + 6Li3 + 25.320 MeV [-0.600 MeV] (A_Ni:20)

58Ni28 + 4 D* --> 33S16 + 33S16 + 45.487 MeV [10.140 MeV] (A_Ni:21)
58Ni28 + 4 D* --> 34S16 + 32S16 + 48.263 MeV [12.915 MeV] (A_Ni:22)
58Ni28 + 4 D* --> 35Cl17 + 31P15 + 45.770 MeV [10.422 MeV] (A_Ni:23)
58Ni28 + 4 D* --> 36Ar18 + 30Si14 + 46.980 MeV [11.632 MeV] (A_Ni:24)
58Ni28 + 4 D* --> 38Ar18 + 28Si14 + 48.523 MeV [13.175 MeV] (A_Ni:25)
58Ni28 + 4 D* --> 39K19 + 27Al13 + 43.319 MeV [7.971 MeV] (A_Ni:26)
58Ni28 + 4 D* --> 40Ca20 + 26Mg12 + 43.376 MeV [8.028 MeV] (A_Ni:27)
58Ni28 + 4 D* --> 42Ca20 + 24Mg12 + 44.796 MeV [9.448 MeV] (A_Ni:28)
58Ni28 + 4 D* --> 46Ti22 + 20Ne10 + 43.481 MeV [8.133 MeV] (A_Ni:29)
58Ni28 + 4 D* --> 50Cr24 + 16O8 + 47.312 MeV [11.964 MeV] (A_Ni:30)
58Ni28 + 4 D* --> 54Fe26 + 12C6 + 48.568 MeV [13.220 MeV] (A_Ni:31)

58Ni28 + 5 D* --> 35Cl17 + 33S16 + 61.050 MeV [15.892 MeV] (A_Ni:32)
58Ni28 + 5 D* --> 39K19 + 29Si14 + 61.153 MeV [15.995 MeV] (A_Ni:33)
58Ni28 + 5 D* --> 40K19 + 28Si14 + 60.479 MeV [15.321 MeV] (A_Ni:34)
58Ni28 + 5 D* --> 54Fe26 + 14N7 + 58.840 MeV [13.682 MeV] (A_Ni:35)
58Ni28 + 5 D* --> 58Ni28 + 10B5 + 53.628 MeV [8.470 MeV] (A_Ni:36)

58Ni28 + 6 D* --> 35Cl17 + 35Cl17 + 76.614 MeV [21.268 MeV] (A_Ni:37)
58Ni28 + 6 D* --> 36Ar18 + 34S16 + 78.750 MeV [23.404 MeV] (A_Ni:38)
58Ni28 + 6 D* --> 38Ar18 + 32S16 + 79.317 MeV [23.971 MeV] (A_Ni:39)
58Ni28 + 6 D* --> 39K19 + 31P15 + 76.835 MeV [21.489 MeV] (A_Ni:40)
58Ni28 + 6 D* --> 40Ca20 + 30Si14 + 77.866 MeV [22.520 MeV] (A_Ni:41)
58Ni28 + 6 D* --> 42Ca20 + 28Si14 + 78.627 MeV [23.281 MeV] (A_Ni:42)
58Ni28 + 6 D* --> 46Ti22 + 24Mg12 + 76.644 MeV [21.298 MeV] (A_Ni:43)
58Ni28 + 6 D* --> 50Cr24 + 20Ne10 + 75.888 MeV [20.542 MeV] (A_Ni:44)
58Ni28 + 6 D* --> 54Fe26 + 16O8 + 79.576 MeV [24.230 MeV] (A_Ni:45)
58Ni28 + 6 D* --> 58Ni28 + 12C6 + 78.814 MeV [23.468 MeV] (A_Ni:46)

58Ni28 + 7 D* --> 39K19 + 33S16 + 92.115 MeV [26.210 MeV] (A_Ni:47)

58Ni28 + 7 D* --> 40K19 + 32S16 + 91.273 MeV [25.368 MeV] (A_Ni:48)
58Ni28 + 7 D* --> 58Ni28 + 14N7 + 89.087 MeV [23.182 MeV] (A_Ni:49)

58Ni28 + 8 D* --> 38Ar18 + 36Ar18 + 109.804 MeV [32.974 MeV] (A_Ni:50)
58Ni28 + 8 D* --> 39K19 + 35Cl17 + 107.679 MeV [30.848 MeV] (A_Ni:51)
58Ni28 + 8 D* --> 40Ca20 + 34S16 + 109.636 MeV [32.806 MeV] (A_Ni:52)
58Ni28 + 8 D* --> 42Ca20 + 32S16 + 109.421 MeV [32.590 MeV] (A_Ni:53)
58Ni28 + 8 D* --> 46Ti22 + 28Si14 + 110.474 MeV [33.644 MeV] (A_Ni:54)
58Ni28 + 8 D* --> 50Cr24 + 24Mg12 + 109.051 MeV [32.221 MeV] (A_Ni:55)
58Ni28 + 8 D* --> 54Fe26 + 20Ne10 + 108.152 MeV [31.322 MeV] (A_Ni:56)
58Ni28 + 8 D* --> 58Ni28 + 16O8 + 109.823 MeV [32.992 MeV] (A_Ni:57)

58Ni28 + 9 D* --> 40K19 + 36Ar18 + 121.761 MeV [33.644 MeV] (A_Ni:58)

58Ni28 + 10 D* --> 39K19 + 39K19 + 138.744 MeV [38.984 MeV] (A_Ni:59)
58Ni28 + 10 D* --> 40Ca20 + 38Ar18 + 140.690 MeV [40.930 MeV] (A_Ni:60)
58Ni28 + 10 D* --> 42Ca20 + 36Ar18 + 139.908 MeV [40.148 MeV] (A_Ni:61)
58Ni28 + 10 D* --> 46Ti22 + 32S16 + 141.269 MeV [41.509 MeV] (A_Ni:62)
58Ni28 + 10 D* --> 50Cr24 + 28Si14 + 142.882 MeV [43.122 MeV] (A_Ni:63)
58Ni28 + 10 D* --> 54Fe26 + 24Mg12 + 141.316 MeV [41.556 MeV] (A_Ni:64)
58Ni28 + 10 D* --> 58Ni28 + 20Ne10 + 138.399 MeV [38.639 MeV] (A_Ni:65)

58Ni28 + 11 D* --> 40K19 + 40Ca20 + 152.647 MeV [40.892 MeV] (A_Ni:66)
58Ni28 + 11 D* --> 40Ca20 + 40K19 + 152.647 MeV [40.892 MeV] (A_Ni:67)

58Ni28 + 12 D* --> 42Ca20 + 40Ca20 + 170.794 MeV [46.698 MeV] (A_Ni:68)
58Ni28 + 12 D* --> 46Ti22 + 36Ar18 + 171.756 MeV [47.659 MeV] (A_Ni:69)
58Ni28 + 12 D* --> 50Cr24 + 32S16 + 173.676 MeV [49.579 MeV] (A_Ni:70)
58Ni28 + 12 D* --> 54Fe26 + 28Si14 + 175.146 MeV [51.049 MeV] (A_Ni:71)
58Ni28 + 12 D* --> 58Ni28 + 24Mg12 + 171.562 MeV [47.465 MeV] (A_Ni:72)

60Ni28 + D* --> 61Ni28 + 1H1 + 5.596 MeV [-2.554 MeV] (A_Ni:73)

60Ni28 + 2 D* --> 34S16 + 30Si14 + 16.164 MeV [-0.540 MeV] (A_Ni:74)
60Ni28 + 2 D* --> 36S16 + 28Si14 + 13.956 MeV [-2.748 MeV] (A_Ni:75)
60Ni28 + 2 D* --> 37Cl17 + 27Al13 + 10.758 MeV [-5.946 MeV] (A_Ni:76)
60Ni28 + 2 D* --> 38Ar18 + 26Mg12 + 12.728 MeV [-3.976 MeV] (A_Ni:77)
60Ni28 + 2 D* --> 40Ar18 + 24Mg12 + 10.773 MeV [-5.931 MeV] (A_Ni:78)
60Ni28 + 2 D* --> 41K19 + 23Na11 + 6.888 MeV [-9.816 MeV] (A_Ni:79)
60Ni28 + 2 D* --> 42Ca20 + 22Ne10 + 8.371 MeV [-8.333 MeV] (A_Ni:80)
60Ni28 + 2 D* --> 43Ca20 + 21Ne10 + 5.940 MeV [-10.764 MeV] (A_Ni:81)
60Ni28 + 2 D* --> 44Ca20 + 20Ne10 + 10.310 MeV [-6.394 MeV] (A_Ni:82)
60Ni28 + 2 D* --> 45Sc21 + 19F9 + 4.355 MeV [-12.349 MeV] (A_Ni:83)
60Ni28 + 2 D* --> 46Ti22 + 18O8 + 6.704 MeV [-10.000 MeV] (A_Ni:84)
60Ni28 + 2 D* --> 47Ti22 + 17O8 + 7.541 MeV [-9.163 MeV] (A_Ni:85)
60Ni28 + 2 D* --> 48Ti22 + 16O8 + 15.024 MeV [-1.680 MeV] (A_Ni:86)
60Ni28 + 2 D* --> 50V23 + 14N7 + 8.158 MeV [-8.546 MeV] (A_Ni:87)
60Ni28 + 2 D* --> 52Cr24 + 12C6 + 17.216 MeV [00.512 MeV] (A_Ni:88)
60Ni28 + 2 D* --> 60Ni28 + 4He2 + 23.847 MeV [7.143 MeV] (A_Ni:89)
60Ni28 + 2 D* --> 61Ni28 + 3He2 + 11.089 MeV [-5.615 MeV] (A_Ni:90)
60Ni28 + 2 D* --> 63Cu29 + 1H1 + 20.090 MeV [3.386 MeV] (A_Ni:91)
60Ni28 + 2 D* --> 64Zn30 + 27.803 MeV [11.099 MeV] (A_Ni:92)

60Ni28 + 3 D* --> 37Cl17 + 29Si14 + 28.592 MeV [2.936 MeV] (A_Ni:93)

60Ni28 + 3 D* --> 40K19 + 26Mg12 + 24.685 MeV [-0.971 MeV] (A_Ni:94)
60Ni28 + 3 D* --> 41K19 + 25Mg12 + 23.687 MeV [-1.969 MeV] (A_Ni:95)
60Ni28 + 3 D* --> 43Ca20 + 23Na11 + 22.874 MeV [-2.782 MeV] (A_Ni:96)
60Ni28 + 3 D* --> 45Sc21 + 21Ne10 + 21.735 MeV [-3.921 MeV] (A_Ni:97)
60Ni28 + 3 D* --> 47Ti22 + 19F9 + 21.355 MeV [-4.301 MeV] (A_Ni:98)
60Ni28 + 3 D* --> 50V23 + 16O8 + 28.894 MeV [3.238 MeV] (A_Ni:99)
60Ni28 + 3 D* --> 52Cr24 + 14N7 + 27.489 MeV [1.833 MeV] (A_Ni:100)
60Ni28 + 3 D* --> 56Fe26 + 10B5 + 23.490 MeV [-2.166 MeV] (A_Ni:101)
60Ni28 + 3 D* --> 60Ni28 + 6Li3 + 25.320 MeV [-0.335 MeV] (A_Ni:102)
60Ni28 + 3 D* --> 63Cu29 + 3He2 + 25.583 MeV [-0.072 MeV] (A_Ni:103)
60Ni28 + 3 D* --> 64Zn30 + 2H1 + 27.803 MeV [2.147 MeV] (A_Ni:104)

60Ni28 + 4 D* --> 34S16 + 34S16 + 47.934 MeV [12.937 MeV] (A_Ni:105)
60Ni28 + 4 D* --> 36S16 + 32S16 + 44.751 MeV [9.753 MeV] (A_Ni:106)
60Ni28 + 4 D* --> 37Cl17 + 31P15 + 44.273 MeV [9.276 MeV] (A_Ni:107)
60Ni28 + 4 D* --> 38Ar18 + 30Si14 + 47.218 MeV [12.221 MeV] (A_Ni:108)
60Ni28 + 4 D* --> 40Ar18 + 28Si14 + 44.604 MeV [9.606 MeV] (A_Ni:109)
60Ni28 + 4 D* --> 41K19 + 27Al13 + 40.827 MeV [5.829 MeV] (A_Ni:110)
60Ni28 + 4 D* --> 42Ca20 + 26Mg12 + 42.832 MeV [7.835 MeV] (A_Ni:111)
60Ni28 + 4 D* --> 43Ca20 + 25Mg12 + 39.672 MeV [4.675 MeV] (A_Ni:112)
60Ni28 + 4 D* --> 44Ca20 + 24Mg12 + 43.473 MeV [8.475 MeV] (A_Ni:113)
60Ni28 + 4 D* --> 45Sc21 + 23Na11 + 38.668 MeV [3.671 MeV] (A_Ni:114)
60Ni28 + 4 D* --> 46Ti22 + 22Ne10 + 40.219 MeV [5.221 MeV] (A_Ni:115)
60Ni28 + 4 D* --> 47Ti22 + 21Ne10 + 38.735 MeV [3.737 MeV] (A_Ni:116)
60Ni28 + 4 D* --> 48Ti22 + 20Ne10 + 43.600 MeV [8.603 MeV] (A_Ni:117)
60Ni28 + 4 D* --> 50Cr24 + 18O8 + 39.112 MeV [4.114 MeV] (A_Ni:118)
60Ni28 + 4 D* --> 52Cr24 + 16O8 + 48.225 MeV [13.227 MeV] (A_Ni:119)
60Ni28 + 4 D* --> 56Fe26 + 12C6 + 48.676 MeV [13.679 MeV] (A_Ni:120)
60Ni28 + 4 D* --> 64Zn30 + 4He2 + 51.649 MeV [16.652 MeV] (A_Ni:121)

60Ni28 + 5 D* --> 37Cl17 + 33S16 + 59.554 MeV [14.830 MeV] (A_Ni:122)
60Ni28 + 5 D* --> 40K19 + 30Si14 + 59.175 MeV [14.451 MeV] (A_Ni:123)
60Ni28 + 5 D* --> 41K19 + 29Si14 + 58.661 MeV [13.937 MeV] (A_Ni:124)
60Ni28 + 5 D* --> 43Ca20 + 27Al13 + 56.812 MeV [12.088 MeV] (A_Ni:125)
60Ni28 + 5 D* --> 45Sc21 + 25Mg12 + 55.467 MeV [10.743 MeV] (A_Ni:126)
60Ni28 + 5 D* --> 47Ti22 + 23Na11 + 55.669 MeV [10.945 MeV] (A_Ni:127)
60Ni28 + 5 D* --> 50V23 + 20Ne10 + 57.470 MeV [12.746 MeV] (A_Ni:128)
60Ni28 + 5 D* --> 56Fe26 + 14N7 + 58.948 MeV [14.225 MeV] (A_Ni:129)
60Ni28 + 5 D* --> 60Ni28 + 10B5 + 53.628 MeV [8.904 MeV] (A_Ni:130)
60Ni28 + 5 D* --> 64Zn30 + 6Li3 + 53.123 MeV [8.399 MeV] (A_Ni:131)

60Ni28 + 6 D* --> 36S16 + 36Ar18 + 75.238 MeV [20.409 MeV] (A_Ni:132)
60Ni28 + 6 D* --> 37Cl17 + 35Cl17 + 75.117 MeV [20.289 MeV] (A_Ni:133)
60Ni28 + 6 D* --> 36Ar18 + 36S16 + 75.238 MeV [20.409 MeV] (A_Ni:134)
60Ni28 + 6 D* --> 38Ar18 + 34S16 + 78.989 MeV [24.160 MeV] (A_Ni:135)
60Ni28 + 6 D* --> 40Ar18 + 32S16 + 75.398 MeV [20.569 MeV] (A_Ni:136)
60Ni28 + 6 D* --> 41K19 + 31P15 + 74.342 MeV [19.514 MeV] (A_Ni:137)
60Ni28 + 6 D* --> 42Ca20 + 30Si14 + 77.322 MeV [22.494 MeV] (A_Ni:138)
60Ni28 + 6 D* --> 43Ca20 + 29Si14 + 74.646 MeV [19.817 MeV] (A_Ni:139)
60Ni28 + 6 D* --> 44Ca20 + 28Si14 + 77.304 MeV [22.475 MeV] (A_Ni:140)
60Ni28 + 6 D* --> 45Sc21 + 27Al13 + 72.607 MeV [17.778 MeV] (A_Ni:141)
60Ni28 + 6 D* --> 46Ti22 + 26Mg12 + 74.680 MeV [19.852 MeV] (A_Ni:142)
60Ni28 + 6 D* --> 47Ti22 + 25Mg12 + 72.467 MeV [17.639 MeV] (A_Ni:143)
60Ni28 + 6 D* --> 48Ti22 + 24Mg12 + 76.764 MeV [21.935 MeV] (A_Ni:144)

60Ni28 + 6 D* --> 50Cr24 + 22Ne10 + 72.626 MeV [17.798 MeV] (A_Ni:145)
60Ni28 + 6 D* --> 52Cr24 + 20Ne10 + 76.801 MeV [21.973 MeV] (A_Ni:146)
60Ni28 + 6 D* --> 54Fe26 + 18O8 + 71.376 MeV [16.548 MeV] (A_Ni:147)
60Ni28 + 6 D* --> 56Fe26 + 16O8 + 79.685 MeV [24.856 MeV] (A_Ni:148)
60Ni28 + 6 D* --> 60Ni28 + 12C6 + 78.814 MeV [23.986 MeV] (A_Ni:149)

60Ni28 + 7 D* --> 40K19 + 34S16 + 90.945 MeV [25.639 MeV] (A_Ni:150)
60Ni28 + 7 D* --> 41K19 + 33S16 + 89.623 MeV [24.317 MeV] (A_Ni:151)
60Ni28 + 7 D* --> 43Ca20 + 31P15 + 90.327 MeV [25.022 MeV] (A_Ni:152)
60Ni28 + 7 D* --> 45Sc21 + 29Si14 + 90.441 MeV [25.135 MeV] (A_Ni:153)
60Ni28 + 7 D* --> 47Ti22 + 27Al13 + 89.607 MeV [24.301 MeV] (A_Ni:154)
60Ni28 + 7 D* --> 50V23 + 24Mg12 + 90.633 MeV [25.327 MeV] (A_Ni:155)
60Ni28 + 7 D* --> 60Ni28 + 14N7 + 89.087 MeV [23.781 MeV] (A_Ni:156)
60Ni28 + 7 D* --> 64Zn30 + 10B5 + 81.431 MeV [16.125 MeV] (A_Ni:157)

60Ni28 + 8 D* --> 38Ar18 + 38Ar18 + 110.043 MeV [33.892 MeV] (A_Ni:158)
60Ni28 + 8 D* --> 40Ar18 + 36Ar18 + 105.885 MeV [29.735 MeV] (A_Ni:159)
60Ni28 + 8 D* --> 39K19 + 37Cl17 + 106.182 MeV [30.032 MeV] (A_Ni:160)
60Ni28 + 8 D* --> 41K19 + 35Cl17 + 105.186 MeV [29.036 MeV] (A_Ni:161)
60Ni28 + 8 D* --> 40Ca20 + 36S16 + 106.124 MeV [29.974 MeV] (A_Ni:162)
60Ni28 + 8 D* --> 42Ca20 + 34S16 + 109.093 MeV [32.942 MeV] (A_Ni:163)
60Ni28 + 8 D* --> 43Ca20 + 33S16 + 105.608 MeV [29.458 MeV] (A_Ni:164)
60Ni28 + 8 D* --> 44Ca20 + 32S16 + 108.098 MeV [31.947 MeV] (A_Ni:165)
60Ni28 + 8 D* --> 45Sc21 + 31P15 + 106.122 MeV [29.972 MeV] (A_Ni:166)
60Ni28 + 8 D* --> 46Ti22 + 30Si14 + 109.170 MeV [33.020 MeV] (A_Ni:167)
60Ni28 + 8 D* --> 47Ti22 + 29Si14 + 107.441 MeV [31.291 MeV] (A_Ni:168)
60Ni28 + 8 D* --> 48Ti22 + 28Si14 + 110.594 MeV [34.444 MeV] (A_Ni:169)
60Ni28 + 8 D* --> 50Cr24 + 26Mg12 + 107.088 MeV [30.937 MeV] (A_Ni:170)
60Ni28 + 8 D* --> 52Cr24 + 24Mg12 + 109.964 MeV [33.814 MeV] (A_Ni:171)
60Ni28 + 8 D* --> 54Fe26 + 22Ne10 + 104.891 MeV [28.740 MeV] (A_Ni:172)
60Ni28 + 8 D* --> 56Fe26 + 20Ne10 + 108.261 MeV [32.110 MeV] (A_Ni:173)
60Ni28 + 8 D* --> 58Ni28 + 18O8 + 101.623 MeV [25.472 MeV] (A_Ni:174)
60Ni28 + 8 D* --> 60Ni28 + 16O8 + 109.823 MeV [33.672 MeV] (A_Ni:175)
60Ni28 + 8 D* --> 64Zn30 + 12C6 + 106.617 MeV [30.467 MeV] (A_Ni:176)

60Ni28 + 9 D* --> 40K19 + 38Ar18 + 121.999 MeV [34.642 MeV] (A_Ni:177)
60Ni28 + 9 D* --> 43Ca20 + 35Cl17 + 121.172 MeV [33.814 MeV] (A_Ni:178)
60Ni28 + 9 D* --> 45Sc21 + 33S16 + 121.403 MeV [34.046 MeV] (A_Ni:179)
60Ni28 + 9 D* --> 47Ti22 + 31P15 + 123.123 MeV [35.765 MeV] (A_Ni:180)
60Ni28 + 9 D* --> 50V23 + 28Si14 + 124.464 MeV [37.106 MeV] (A_Ni:181)
60Ni28 + 9 D* --> 64Zn30 + 14N7 + 116.890 MeV [29.532 MeV] (A_Ni:182)

60Ni28 + 10 D* --> 40Ar18 + 40Ca20 + 136.771 MeV [37.850 MeV] (A_Ni:183)
60Ni28 + 10 D* --> 40K19 + 40K19 + 133.956 MeV [35.034 MeV] (A_Ni:184)
60Ni28 + 10 D* --> 41K19 + 39K19 + 136.251 MeV [37.330 MeV] (A_Ni:185)
60Ni28 + 10 D* --> 40Ca20 + 40Ar18 + 136.771 MeV [37.850 MeV] (A_Ni:186)
60Ni28 + 10 D* --> 42Ca20 + 38Ar18 + 140.147 MeV [41.225 MeV] (A_Ni:187)
60Ni28 + 10 D* --> 44Ca20 + 36Ar18 + 138.585 MeV [39.664 MeV] (A_Ni:188)
60Ni28 + 10 D* --> 45Sc21 + 35Cl17 + 136.966 MeV [38.045 MeV] (A_Ni:189)
60Ni28 + 10 D* --> 46Ti22 + 34S16 + 140.940 MeV [42.019 MeV] (A_Ni:190)
60Ni28 + 10 D* --> 47Ti22 + 33S16 + 138.404 MeV [39.482 MeV] (A_Ni:191)
60Ni28 + 10 D* --> 48Ti22 + 32S16 + 141.389 MeV [42.467 MeV] (A_Ni:192)
60Ni28 + 10 D* --> 50Cr24 + 30Si14 + 141.578 MeV [42.656 MeV] (A_Ni:193)
60Ni28 + 10 D* --> 52Cr24 + 28Si14 + 143.795 MeV [44.873 MeV] (A_Ni:194)

60Ni28 + 10 D* --> 54Fe26 + 26Mg12 + 139.352 MeV [40.431 MeV] (A_Ni:195)
60Ni28 + 10 D* --> 56Fe26 + 24Mg12 + 141.424 MeV [42.503 MeV] (A_Ni:196)
60Ni28 + 10 D* --> 58Ni28 + 22Ne10 + 135.138 MeV [36.216 MeV] (A_Ni:197)
60Ni28 + 10 D* --> 60Ni28 + 20Ne10 + 138.399 MeV [39.478 MeV] (A_Ni:198)
60Ni28 + 10 D* --> 64Zn30 + 16O8 + 137.626 MeV [38.704 MeV] (A_Ni:199)

60Ni28 + 11 D* --> 42Ca20 + 40K19 + 152.103 MeV [41.265 MeV] (A_Ni:200)
60Ni28 + 11 D* --> 43Ca20 + 39K19 + 152.237 MeV [41.398 MeV] (A_Ni:201)
60Ni28 + 11 D* --> 47Ti22 + 35Cl17 + 153.967 MeV [43.128 MeV] (A_Ni:202)
60Ni28 + 11 D* --> 50V23 + 32S16 + 155.258 MeV [44.420 MeV] (A_Ni:203)

60Ni28 + 12 D* --> 42Ca20 + 42Ca20 + 170.251 MeV [47.147 MeV] (A_Ni:204)
60Ni28 + 12 D* --> 44Ca20 + 40Ca20 + 169.471 MeV [46.367 MeV] (A_Ni:205)
60Ni28 + 12 D* --> 45Sc21 + 39K19 + 168.031 MeV [44.927 MeV] (A_Ni:206)
60Ni28 + 12 D* --> 46Ti22 + 38Ar18 + 171.995 MeV [48.891 MeV] (A_Ni:207)
60Ni28 + 12 D* --> 48Ti22 + 36Ar18 + 171.876 MeV [48.772 MeV] (A_Ni:208)
60Ni28 + 12 D* --> 50Cr24 + 34S16 + 173.348 MeV [50.244 MeV] (A_Ni:209)
60Ni28 + 12 D* --> 52Cr24 + 32S16 + 174.589 MeV [51.485 MeV] (A_Ni:210)
60Ni28 + 12 D* --> 54Fe26 + 30Si14 + 173.842 MeV [50.738 MeV] (A_Ni:211)
60Ni28 + 12 D* --> 56Fe26 + 28Si14 + 175.255 MeV [52.151 MeV] (A_Ni:212)
60Ni28 + 12 D* --> 58Ni28 + 26Mg12 + 169.599 MeV [46.495 MeV] (A_Ni:213)
60Ni28 + 12 D* --> 60Ni28 + 24Mg12 + 171.562 MeV [48.458 MeV] (A_Ni:214)
60Ni28 + 12 D* --> 64Zn30 + 20Ne10 + 166.202 MeV [43.098 MeV] (A_Ni:215)

61Ni28 + D* --> 51V23 + 12C6 + 1.116 MeV [-6.990 MeV] (A_Ni:216)
61Ni28 + D* --> 59Co27 + 4He2 + 8.718 MeV [00.612 MeV] (A_Ni:217)
61Ni28 + D* --> 62Ni28 + 1H1 + 8.372 MeV [00.266 MeV] (A_Ni:218)
61Ni28 + D* --> 63Cu29 + 14.494 MeV [6.388 MeV] (A_Ni:219)

61Ni28 + 2 D* --> 36S16 + 29Si14 + 14.610 MeV [-2.008 MeV] (A_Ni:220)
61Ni28 + 2 D* --> 40Ar18 + 25Mg12 + 10.283 MeV [-6.335 MeV] (A_Ni:221)
61Ni28 + 2 D* --> 43Ca20 + 22Ne10 + 8.484 MeV [-8.134 MeV] (A_Ni:222)
61Ni28 + 2 D* --> 44Ca20 + 21Ne10 + 9.251 MeV [-7.367 MeV] (A_Ni:223)
61Ni28 + 2 D* --> 47Ti22 + 18O8 + 7.764 MeV [-8.853 MeV] (A_Ni:224)
61Ni28 + 2 D* --> 48Ti22 + 17O8 + 11.347 MeV [-5.271 MeV] (A_Ni:225)
61Ni28 + 2 D* --> 49Ti22 + 16O8 + 15.346 MeV [-1.272 MeV] (A_Ni:226)
61Ni28 + 2 D* --> 50V23 + 15N7 + 11.171 MeV [-5.447 MeV] (A_Ni:227)
61Ni28 + 2 D* --> 51V23 + 14N7 + 11.389 MeV [-5.229 MeV] (A_Ni:228)
61Ni28 + 2 D* --> 52Cr24 + 13C6 + 14.342 MeV [-2.275 MeV] (A_Ni:229)
61Ni28 + 2 D* --> 53Cr24 + 12C6 + 17.335 MeV [00.717 MeV] (A_Ni:230)
61Ni28 + 2 D* --> 55Mn25 + 10B5 + 7.710 MeV [-8.907 MeV] (A_Ni:231)
61Ni28 + 2 D* --> 56Fe26 + 9Be4 + 11.308 MeV [-5.310 MeV] (A_Ni:232)
61Ni28 + 2 D* --> 59Co27 + 6Li3 + 10.192 MeV [-6.426 MeV] (A_Ni:233)
61Ni28 + 2 D* --> 61Ni28 + 4He2 + 23.847 MeV [7.229 MeV] (A_Ni:234)
61Ni28 + 2 D* --> 62Ni28 + 3He2 + 13.865 MeV [-2.752 MeV] (A_Ni:235)
61Ni28 + 2 D* --> 63Cu29 + 2H1 + 14.494 MeV [-2.124 MeV] (A_Ni:236)

61Ni28 + 3 D* --> 36S16 + 31P15 + 30.291 MeV [4.764 MeV] (A_Ni:237)
61Ni28 + 3 D* --> 37Cl17 + 30Si14 + 31.381 MeV [5.854 MeV] (A_Ni:238)
61Ni28 + 3 D* --> 40Ar18 + 27Al13 + 27.423 MeV [1.896 MeV] (A_Ni:239)
61Ni28 + 3 D* --> 41K19 + 26Mg12 + 26.960 MeV [1.433 MeV] (A_Ni:240)
61Ni28 + 3 D* --> 44Ca20 + 23Na11 + 26.185 MeV [00.657 MeV] (A_Ni:241)
61Ni28 + 3 D* --> 45Sc21 + 22Ne10 + 24.279 MeV [-1.248 MeV] (A_Ni:242)
61Ni28 + 3 D* --> 48Ti22 + 19F9 + 25.161 MeV [-0.366 MeV] (A_Ni:243)

61Ni28 + 3 D* --> 50V23 + 17O8 + 25.217 MeV [-0.311 MeV] (A_Ni:244)
61Ni28 + 3 D* --> 51V23 + 16O8 + 32.125 MeV [6.597 MeV] (A_Ni:245)
61Ni28 + 3 D* --> 52Cr24 + 15N7 + 30.502 MeV [4.975 MeV] (A_Ni:246)
61Ni28 + 3 D* --> 53Cr24 + 14N7 + 27.608 MeV [2.080 MeV] (A_Ni:247)
61Ni28 + 3 D* --> 55Mn25 + 12C6 + 32.897 MeV [7.370 MeV] (A_Ni:248)
61Ni28 + 3 D* --> 56Fe26 + 11B5 + 27.124 MeV [1.596 MeV] (A_Ni:249)
61Ni28 + 3 D* --> 57Fe26 + 10B5 + 23.316 MeV [-2.212 MeV] (A_Ni:250)
61Ni28 + 3 D* --> 60Ni28 + 7Li3 + 24.750 MeV [-0.777 MeV] (A_Ni:251)
61Ni28 + 3 D* --> 61Ni28 + 6Li3 + 25.320 MeV [-0.207 MeV] (A_Ni:252)
61Ni28 + 3 D* --> 63Cu29 + 4He2 + 38.341 MeV [12.814 MeV] (A_Ni:253)
61Ni28 + 3 D* --> 66Zn30 + 1H1 + 36.797 MeV [11.270 MeV] (A_Ni:254)

61Ni28 + 4 D* --> 36S16 + 33S16 + 45.572 MeV [10.744 MeV] (A_Ni:255)
61Ni28 + 4 D* --> 40Ar18 + 29Si14 + 45.257 MeV [10.429 MeV] (A_Ni:256)
61Ni28 + 4 D* --> 43Ca20 + 26Mg12 + 42.945 MeV [8.118 MeV] (A_Ni:257)
61Ni28 + 4 D* --> 44Ca20 + 25Mg12 + 42.983 MeV [8.156 MeV] (A_Ni:258)
61Ni28 + 4 D* --> 47Ti22 + 22Ne10 + 41.279 MeV [6.451 MeV] (A_Ni:259)
61Ni28 + 4 D* --> 48Ti22 + 21Ne10 + 42.541 MeV [7.714 MeV] (A_Ni:260)
61Ni28 + 4 D* --> 49Ti22 + 20Ne10 + 43.923 MeV [9.095 MeV] (A_Ni:261)
61Ni28 + 4 D* --> 50V23 + 19F9 + 39.031 MeV [4.203 MeV] (A_Ni:262)
61Ni28 + 4 D* --> 52Cr24 + 17O8 + 44.548 MeV [9.720 MeV] (A_Ni:263)
61Ni28 + 4 D* --> 53Cr24 + 16O8 + 48.344 MeV [13.516 MeV] (A_Ni:264)
61Ni28 + 4 D* --> 55Mn25 + 14N7 + 43.169 MeV [8.341 MeV] (A_Ni:265)
61Ni28 + 4 D* --> 56Fe26 + 13C6 + 45.802 MeV [10.975 MeV] (A_Ni:266)
61Ni28 + 4 D* --> 57Fe26 + 12C6 + 48.502 MeV [13.674 MeV] (A_Ni:267)
61Ni28 + 4 D* --> 59Co27 + 10B5 + 38.500 MeV [3.672 MeV] (A_Ni:268)
61Ni28 + 4 D* --> 60Ni28 + 9Be4 + 41.446 MeV [6.619 MeV] (A_Ni:269)
61Ni28 + 4 D* --> 63Cu29 + 6Li3 + 39.815 MeV [4.987 MeV] (A_Ni:270)
61Ni28 + 4 D* --> 66Zn30 + 3He2 + 42.290 MeV [7.463 MeV] (A_Ni:271)

61Ni28 + 5 D* --> 36S16 + 35Cl17 + 61.135 MeV [16.622 MeV] (A_Ni:272)
61Ni28 + 5 D* --> 37Cl17 + 34S16 + 63.151 MeV [18.638 MeV] (A_Ni:273)
61Ni28 + 5 D* --> 40Ar18 + 31P15 + 60.938 MeV [16.426 MeV] (A_Ni:274)
61Ni28 + 5 D* --> 41K19 + 30Si14 + 61.450 MeV [16.937 MeV] (A_Ni:275)
61Ni28 + 5 D* --> 44Ca20 + 27Al13 + 60.123 MeV [15.610 MeV] (A_Ni:276)
61Ni28 + 5 D* --> 45Sc21 + 26Mg12 + 58.740 MeV [14.227 MeV] (A_Ni:277)
61Ni28 + 5 D* --> 48Ti22 + 23Na11 + 59.475 MeV [14.962 MeV] (A_Ni:278)
61Ni28 + 5 D* --> 50V23 + 21Ne10 + 56.411 MeV [11.898 MeV] (A_Ni:279)
61Ni28 + 5 D* --> 51V23 + 20Ne10 + 60.701 MeV [16.188 MeV] (A_Ni:280)
61Ni28 + 5 D* --> 52Cr24 + 19F9 + 58.362 MeV [13.849 MeV] (A_Ni:281)
61Ni28 + 5 D* --> 55Mn25 + 16O8 + 63.905 MeV [19.392 MeV] (A_Ni:282)
61Ni28 + 5 D* --> 56Fe26 + 15N7 + 61.962 MeV [17.449 MeV] (A_Ni:283)
61Ni28 + 5 D* --> 57Fe26 + 14N7 + 58.774 MeV [14.261 MeV] (A_Ni:284)
61Ni28 + 5 D* --> 59Co27 + 12C6 + 63.686 MeV [19.173 MeV] (A_Ni:285)
61Ni28 + 5 D* --> 60Ni28 + 11B5 + 57.262 MeV [12.749 MeV] (A_Ni:286)
61Ni28 + 5 D* --> 61Ni28 + 10B5 + 53.628 MeV [9.115 MeV] (A_Ni:287)
61Ni28 + 5 D* --> 64Zn30 + 7Li3 + 52.553 MeV [8.040 MeV] (A_Ni:288)
61Ni28 + 5 D* --> 70Ge32 + 1H1 + 64.732 MeV [20.219 MeV] (A_Ni:289)

61Ni28 + 6 D* --> 40Ar18 + 33S16 + 76.219 MeV [21.642 MeV] (A_Ni:290)
61Ni28 + 6 D* --> 43Ca20 + 30Si14 + 77.435 MeV [22.858 MeV] (A_Ni:291)
61Ni28 + 6 D* --> 44Ca20 + 29Si14 + 77.957 MeV [23.380 MeV] (A_Ni:292)
61Ni28 + 6 D* --> 47Ti22 + 26Mg12 + 75.740 MeV [21.163 MeV] (A_Ni:293)
61Ni28 + 6 D* --> 48Ti22 + 25Mg12 + 76.274 MeV [21.697 MeV] (A_Ni:294)

61Ni28 + 6 D* --> 49Ti22 + 24Mg12 + 77.086 MeV [22.509 MeV] (A_Ni:295)
61Ni28 + 6 D* --> 50V23 + 23Na11 + 73.345 MeV [18.768 MeV] (A_Ni:296)
61Ni28 + 6 D* --> 52Cr24 + 21Ne10 + 75.742 MeV [21.165 MeV] (A_Ni:297)
61Ni28 + 6 D* --> 53Cr24 + 20Ne10 + 76.920 MeV [22.343 MeV] (A_Ni:298)
61Ni28 + 6 D* --> 56Fe26 + 17O8 + 76.008 MeV [21.431 MeV] (A_Ni:299)
61Ni28 + 6 D* --> 57Fe26 + 16O8 + 79.511 MeV [24.934 MeV] (A_Ni:300)
61Ni28 + 6 D* --> 59Co27 + 14N7 + 73.958 MeV [19.381 MeV] (A_Ni:301)
61Ni28 + 6 D* --> 60Ni28 + 13C6 + 75.941 MeV [21.363 MeV] (A_Ni:302)
61Ni28 + 6 D* --> 61Ni28 + 12C6 + 78.814 MeV [24.237 MeV] (A_Ni:303)
61Ni28 + 6 D* --> 63Cu29 + 10B5 + 68.122 MeV [13.545 MeV] (A_Ni:304)
61Ni28 + 6 D* --> 64Zn30 + 9Be4 + 69.249 MeV [14.672 MeV] (A_Ni:305)
61Ni28 + 6 D* --> 70Ge32 + 3He2 + 70.225 MeV [15.648 MeV] (A_Ni:306)

61Ni28 + 7 D* --> 38Ar18 + 37Cl17 + 94.205 MeV [29.191 MeV] (A_Ni:307)
61Ni28 + 7 D* --> 40Ar18 + 35Cl17 + 91.783 MeV [26.768 MeV] (A_Ni:308)
61Ni28 + 7 D* --> 39K19 + 36S16 + 92.200 MeV [27.186 MeV] (A_Ni:309)
61Ni28 + 7 D* --> 41K19 + 34S16 + 93.220 MeV [28.206 MeV] (A_Ni:310)
61Ni28 + 7 D* --> 44Ca20 + 31P15 + 93.639 MeV [28.624 MeV] (A_Ni:311)
61Ni28 + 7 D* --> 45Sc21 + 30Si14 + 93.230 MeV [28.216 MeV] (A_Ni:312)
61Ni28 + 7 D* --> 48Ti22 + 27Al13 + 93.414 MeV [28.399 MeV] (A_Ni:313)
61Ni28 + 7 D* --> 50V23 + 25Mg12 + 90.144 MeV [25.129 MeV] (A_Ni:314)
61Ni28 + 7 D* --> 51V23 + 24Mg12 + 93.864 MeV [28.850 MeV] (A_Ni:315)
61Ni28 + 7 D* --> 52Cr24 + 23Na11 + 92.676 MeV [27.662 MeV] (A_Ni:316)
61Ni28 + 7 D* --> 55Mn25 + 20Ne10 + 92.482 MeV [27.467 MeV] (A_Ni:317)
61Ni28 + 7 D* --> 56Fe26 + 19F9 + 89.822 MeV [24.808 MeV] (A_Ni:318)
61Ni28 + 7 D* --> 59Co27 + 16O8 + 94.695 MeV [29.680 MeV] (A_Ni:319)
61Ni28 + 7 D* --> 60Ni28 + 15N7 + 92.100 MeV [27.085 MeV] (A_Ni:320)
61Ni28 + 7 D* --> 61Ni28 + 14N7 + 89.087 MeV [24.072 MeV] (A_Ni:321)
61Ni28 + 7 D* --> 63Cu29 + 12C6 + 93.309 MeV [28.294 MeV] (A_Ni:322)
61Ni28 + 7 D* --> 64Zn30 + 11B5 + 85.065 MeV [20.051 MeV] (A_Ni:323)
61Ni28 + 7 D* --> 74Se34 + 1H1 + 92.653 MeV [27.639 MeV] (A_Ni:324)

61Ni28 + 8 D* --> 40K19 + 37Cl17 + 106.162 MeV [30.342 MeV] (A_Ni:325)
61Ni28 + 8 D* --> 43Ca20 + 34S16 + 109.205 MeV [33.386 MeV] (A_Ni:326)
61Ni28 + 8 D* --> 44Ca20 + 33S16 + 108.919 MeV [33.100 MeV] (A_Ni:327)
61Ni28 + 8 D* --> 47Ti22 + 30Si14 + 110.230 MeV [34.411 MeV] (A_Ni:328)
61Ni28 + 8 D* --> 48Ti22 + 29Si14 + 111.248 MeV [35.428 MeV] (A_Ni:329)
61Ni28 + 8 D* --> 49Ti22 + 28Si14 + 110.916 MeV [35.097 MeV] (A_Ni:330)
61Ni28 + 8 D* --> 50V23 + 27Al13 + 107.283 MeV [31.464 MeV] (A_Ni:331)
61Ni28 + 8 D* --> 52Cr24 + 25Mg12 + 109.475 MeV [33.655 MeV] (A_Ni:332)
61Ni28 + 8 D* --> 53Cr24 + 24Mg12 + 110.083 MeV [34.264 MeV] (A_Ni:333)
61Ni28 + 8 D* --> 56Fe26 + 21Ne10 + 107.202 MeV [31.383 MeV] (A_Ni:334)
61Ni28 + 8 D* --> 57Fe26 + 20Ne10 + 108.087 MeV [32.268 MeV] (A_Ni:335)
61Ni28 + 8 D* --> 60Ni28 + 17O8 + 106.146 MeV [30.326 MeV] (A_Ni:336)
61Ni28 + 8 D* --> 61Ni28 + 16O8 + 109.823 MeV [34.003 MeV] (A_Ni:337)
61Ni28 + 8 D* --> 63Cu29 + 14N7 + 103.581 MeV [27.762 MeV] (A_Ni:338)
61Ni28 + 8 D* --> 64Zn30 + 13C6 + 103.743 MeV [27.924 MeV] (A_Ni:339)
61Ni28 + 8 D* --> 74Se34 + 3He2 + 98.146 MeV [22.327 MeV] (A_Ni:340)

61Ni28 + 9 D* --> 40Ar18 + 39K19 + 122.848 MeV [35.860 MeV] (A_Ni:341)
61Ni28 + 9 D* --> 41K19 + 38Ar18 + 124.274 MeV [37.287 MeV] (A_Ni:342)
61Ni28 + 9 D* --> 42Ca20 + 37Cl17 + 124.309 MeV [37.322 MeV] (A_Ni:343)
61Ni28 + 9 D* --> 44Ca20 + 35Cl17 + 124.483 MeV [37.495 MeV] (A_Ni:344)
61Ni28 + 9 D* --> 45Sc21 + 34S16 + 125.000 MeV [38.013 MeV] (A_Ni:345)

61Ni28 + 9 D* --> 48Ti22 + 31P15 + 126.929 MeV [39.942 MeV] (A_Ni:346)
61Ni28 + 9 D* --> 50V23 + 29Si14 + 125.117 MeV [38.130 MeV] (A_Ni:347)
61Ni28 + 9 D* --> 51V23 + 28Si14 + 127.695 MeV [40.708 MeV] (A_Ni:348)
61Ni28 + 9 D* --> 52Cr24 + 27Al13 + 126.614 MeV [39.627 MeV] (A_Ni:349)
61Ni28 + 9 D* --> 55Mn25 + 24Mg12 + 125.645 MeV [38.658 MeV] (A_Ni:350)
61Ni28 + 9 D* --> 56Fe26 + 23Na11 + 124.136 MeV [37.149 MeV] (A_Ni:351)
61Ni28 + 9 D* --> 59Co27 + 20Ne10 + 123.271 MeV [36.284 MeV] (A_Ni:352)
61Ni28 + 9 D* --> 60Ni28 + 19F9 + 119.960 MeV [32.973 MeV] (A_Ni:353)
61Ni28 + 9 D* --> 63Cu29 + 16O8 + 124.317 MeV [37.330 MeV] (A_Ni:354)
61Ni28 + 9 D* --> 64Zn30 + 15N7 + 119.903 MeV [32.916 MeV] (A_Ni:355)
61Ni28 + 9 D* --> 78Kr36 + 1H1 + 120.891 MeV [33.904 MeV] (A_Ni:356)

61Ni28 + 10 D* --> 41K19 + 40K19 + 136.231 MeV [37.718 MeV] (A_Ni:357)
61Ni28 + 10 D* --> 43Ca20 + 38Ar18 + 140.260 MeV [41.747 MeV] (A_Ni:358)
61Ni28 + 10 D* --> 47Ti22 + 34S16 + 142.001 MeV [43.488 MeV] (A_Ni:359)
61Ni28 + 10 D* --> 48Ti22 + 33S16 + 142.210 MeV [43.697 MeV] (A_Ni:360)
61Ni28 + 10 D* --> 49Ti22 + 32S16 + 141.711 MeV [43.198 MeV] (A_Ni:361)
61Ni28 + 10 D* --> 50V23 + 31P15 + 140.799 MeV [42.286 MeV] (A_Ni:362)
61Ni28 + 10 D* --> 52Cr24 + 29Si14 + 144.448 MeV [45.936 MeV] (A_Ni:363)
61Ni28 + 10 D* --> 53Cr24 + 28Si14 + 143.914 MeV [45.401 MeV] (A_Ni:364)
61Ni28 + 10 D* --> 56Fe26 + 25Mg12 + 140.935 MeV [42.422 MeV] (A_Ni:365)
61Ni28 + 10 D* --> 57Fe26 + 24Mg12 + 141.250 MeV [42.737 MeV] (A_Ni:366)
61Ni28 + 10 D* --> 60Ni28 + 21Ne10 + 137.340 MeV [38.827 MeV] (A_Ni:367)
61Ni28 + 10 D* --> 61Ni28 + 20Ne10 + 138.399 MeV [39.886 MeV] (A_Ni:368)
61Ni28 + 10 D* --> 64Zn30 + 17O8 + 133.949 MeV [35.436 MeV] (A_Ni:369)
61Ni28 + 10 D* --> 78Kr36 + 3He2 + 126.385 MeV [27.872 MeV] (A_Ni:370)

61Ni28 + 11 D* --> 42Ca20 + 41K19 + 154.378 MeV [43.987 MeV] (A_Ni:371)
61Ni28 + 11 D* --> 43Ca20 + 40K19 + 152.216 MeV [41.824 MeV] (A_Ni:372)
61Ni28 + 11 D* --> 44Ca20 + 39K19 + 155.548 MeV [45.156 MeV] (A_Ni:373)
61Ni28 + 11 D* --> 45Sc21 + 38Ar18 + 156.054 MeV [45.663 MeV] (A_Ni:374)
61Ni28 + 11 D* --> 46Ti22 + 37Cl17 + 156.157 MeV [45.765 MeV] (A_Ni:375)
61Ni28 + 11 D* --> 48Ti22 + 35Cl17 + 157.773 MeV [47.382 MeV] (A_Ni:376)
61Ni28 + 11 D* --> 50V23 + 33S16 + 156.080 MeV [45.688 MeV] (A_Ni:377)
61Ni28 + 11 D* --> 51V23 + 32S16 + 158.489 MeV [48.098 MeV] (A_Ni:378)
61Ni28 + 11 D* --> 52Cr24 + 31P15 + 160.130 MeV [49.738 MeV] (A_Ni:379)
61Ni28 + 11 D* --> 55Mn25 + 28Si14 + 159.475 MeV [49.084 MeV] (A_Ni:380)
61Ni28 + 11 D* --> 56Fe26 + 27Al13 + 158.074 MeV [47.682 MeV] (A_Ni:381)
61Ni28 + 11 D* --> 59Co27 + 24Mg12 + 156.434 MeV [46.042 MeV] (A_Ni:382)
61Ni28 + 11 D* --> 60Ni28 + 23Na11 + 154.274 MeV [43.882 MeV] (A_Ni:383)
61Ni28 + 11 D* --> 63Cu29 + 20Ne10 + 152.894 MeV [42.502 MeV] (A_Ni:384)
61Ni28 + 11 D* --> 64Zn30 + 19F9 + 147.763 MeV [37.371 MeV] (A_Ni:385)

61Ni28 + 12 D* --> 43Ca20 + 42Ca20 + 170.363 MeV [47.744 MeV] (A_Ni:386)
61Ni28 + 12 D* --> 45Sc21 + 40K19 + 168.011 MeV [45.392 MeV] (A_Ni:387)
61Ni28 + 12 D* --> 47Ti22 + 38Ar18 + 173.055 MeV [50.435 MeV] (A_Ni:388)
61Ni28 + 12 D* --> 49Ti22 + 36Ar18 + 172.198 MeV [49.579 MeV] (A_Ni:389)
61Ni28 + 12 D* --> 50V23 + 35Cl17 + 171.643 MeV [49.024 MeV] (A_Ni:390)
61Ni28 + 12 D* --> 52Cr24 + 33S16 + 175.411 MeV [52.791 MeV] (A_Ni:391)
61Ni28 + 12 D* --> 53Cr24 + 32S16 + 174.708 MeV [52.089 MeV] (A_Ni:392)
61Ni28 + 12 D* --> 56Fe26 + 29Si14 + 175.908 MeV [53.289 MeV] (A_Ni:393)
61Ni28 + 12 D* --> 57Fe26 + 28Si14 + 175.081 MeV [52.461 MeV] (A_Ni:394)
61Ni28 + 12 D* --> 60Ni28 + 25Mg12 + 171.073 MeV [48.453 MeV] (A_Ni:395)
61Ni28 + 12 D* --> 61Ni28 + 24Mg12 + 171.562 MeV [48.943 MeV] (A_Ni:396)

61Ni28 + 12 D* --> 64Zn30 + 21Ne10 + 165.143 MeV [42.524 MeV] (A_Ni:397)

62Ni28 + 2 D* --> 36S16 + 30Si14 + 14.622 MeV [-1.911 MeV] (A_Ni:398)
62Ni28 + 2 D* --> 40Ar18 + 26Mg12 + 10.780 MeV [-5.754 MeV] (A_Ni:399)
62Ni28 + 2 D* --> 44Ca20 + 22Ne10 + 9.019 MeV [-7.515 MeV] (A_Ni:400)
62Ni28 + 2 D* --> 46Ca20 + 20Ne10 + 9.702 MeV [-6.831 MeV] (A_Ni:401)
62Ni28 + 2 D* --> 48Ti22 + 18O8 + 8.795 MeV [-7.739 MeV] (A_Ni:402)
62Ni28 + 2 D* --> 49Ti22 + 17O8 + 8.893 MeV [-7.641 MeV] (A_Ni:403)
62Ni28 + 2 D* --> 50Ti22 + 16O8 + 15.689 MeV [-0.845 MeV] (A_Ni:404)
62Ni28 + 2 D* --> 51V23 + 15N7 + 11.625 MeV [-4.908 MeV] (A_Ni:405)
62Ni28 + 2 D* --> 53Cr24 + 13C6 + 11.685 MeV [-4.848 MeV] (A_Ni:406)
62Ni28 + 2 D* --> 54Cr24 + 12C6 + 16.458 MeV [-0.076 MeV] (A_Ni:407)
62Ni28 + 2 D* --> 55Mn25 + 11B5 + 8.568 MeV [-7.966 MeV] (A_Ni:408)
62Ni28 + 2 D* --> 57Fe26 + 9Be4 + 8.358 MeV [-8.176 MeV] (A_Ni:409)
62Ni28 + 2 D* --> 59Co27 + 7Li3 + 6.846 MeV [-9.688 MeV] (A_Ni:410)
62Ni28 + 2 D* --> 62Ni28 + 4He2 + 23.847 MeV [7.313 MeV] (A_Ni:411)
62Ni28 + 2 D* --> 65Cu29 + 1H1 + 19.500 MeV [2.966 MeV] (A_Ni:412)
62Ni28 + 2 D* --> 66Zn30 + 28.425 MeV [11.891 MeV] (A_Ni:413)

62Ni28 + 3 D* --> 49Ti22 + 19F9 + 22.707 MeV [-2.694 MeV] (A_Ni:414)
62Ni28 + 3 D* --> 50V23 + 18O8 + 22.664 MeV [-2.737 MeV] (A_Ni:415)
62Ni28 + 3 D* --> 51V23 + 17O8 + 25.671 MeV [00.270 MeV] (A_Ni:416)
62Ni28 + 3 D* --> 53Cr24 + 15N7 + 27.844 MeV [2.443 MeV] (A_Ni:417)
62Ni28 + 3 D* --> 54Cr24 + 14N7 + 26.730 MeV [1.329 MeV] (A_Ni:418)
62Ni28 + 3 D* --> 55Mn25 + 13C6 + 27.247 MeV [1.845 MeV] (A_Ni:419)
62Ni28 + 3 D* --> 57Fe26 + 11B5 + 24.173 MeV [-1.228 MeV] (A_Ni:420)
62Ni28 + 3 D* --> 58Fe26 + 10B5 + 22.764 MeV [-2.638 MeV] (A_Ni:421)
62Ni28 + 3 D* --> 59Co27 + 9Be4 + 23.542 MeV [-1.860 MeV] (A_Ni:422)
62Ni28 + 3 D* --> 61Ni28 + 7Li3 + 21.974 MeV [-3.428 MeV] (A_Ni:423)
62Ni28 + 3 D* --> 62Ni28 + 6Li3 + 25.320 MeV [-0.081 MeV] (A_Ni:424)
62Ni28 + 3 D* --> 65Cu29 + 3He2 + 24.994 MeV [-0.408 MeV] (A_Ni:425)
62Ni28 + 3 D* --> 66Zn30 + 2H1 + 28.425 MeV [3.023 MeV] (A_Ni:426)
62Ni28 + 3 D* --> 67Zn30 + 1H1 + 33.253 MeV [7.851 MeV] (A_Ni:427)

62Ni28 + 4 D* --> 36S16 + 34S16 + 46.393 MeV [11.732 MeV] (A_Ni:428)
62Ni28 + 4 D* --> 40Ar18 + 30Si14 + 45.270 MeV [10.609 MeV] (A_Ni:429)
62Ni28 + 4 D* --> 44Ca20 + 26Mg12 + 43.480 MeV [8.819 MeV] (A_Ni:430)
62Ni28 + 4 D* --> 46Ca20 + 24Mg12 + 42.865 MeV [8.204 MeV] (A_Ni:431)
62Ni28 + 4 D* --> 48Ti22 + 22Ne10 + 42.309 MeV [7.648 MeV] (A_Ni:432)
62Ni28 + 4 D* --> 49Ti22 + 21Ne10 + 40.087 MeV [5.426 MeV] (A_Ni:433)
62Ni28 + 4 D* --> 50Ti22 + 20Ne10 + 44.265 MeV [9.604 MeV] (A_Ni:434)
62Ni28 + 4 D* --> 51V23 + 19F9 + 39.486 MeV [4.825 MeV] (A_Ni:435)
62Ni28 + 4 D* --> 52Cr24 + 18O8 + 41.995 MeV [7.334 MeV] (A_Ni:436)
62Ni28 + 4 D* --> 53Cr24 + 17O8 + 41.890 MeV [7.229 MeV] (A_Ni:437)
62Ni28 + 4 D* --> 54Cr24 + 16O8 + 47.466 MeV [12.805 MeV] (A_Ni:438)
62Ni28 + 4 D* --> 55Mn25 + 15N7 + 43.406 MeV [8.745 MeV] (A_Ni:439)
62Ni28 + 4 D* --> 57Fe26 + 13C6 + 42.852 MeV [8.191 MeV] (A_Ni:440)
62Ni28 + 4 D* --> 58Fe26 + 12C6 + 47.950 MeV [13.289 MeV] (A_Ni:441)
62Ni28 + 4 D* --> 59Co27 + 11B5 + 39.357 MeV [4.696 MeV] (A_Ni:442)
62Ni28 + 4 D* --> 61Ni28 + 9Be4 + 38.670 MeV [4.009 MeV] (A_Ni:443)
62Ni28 + 4 D* --> 63Cu29 + 7Li3 + 36.468 MeV [1.807 MeV] (A_Ni:444)
62Ni28 + 4 D* --> 66Zn30 + 4He2 + 52.271 MeV [17.610 MeV] (A_Ni:445)
62Ni28 + 4 D* --> 67Zn30 + 3He2 + 38.746 MeV [4.085 MeV] (A_Ni:446)

62Ni28 + 4 D* --> 69Ga31 + 1H1 + 47.836 MeV [13.175 MeV] (A_Ni:447)
62Ni28 + 4 D* --> 70Ge32 + 56.360 MeV [21.699 MeV] (A_Ni:448)

62Ni28 + 5 D* --> 49Ti22 + 23Na11 + 57.021 MeV [12.715 MeV] (A_Ni:449)
62Ni28 + 5 D* --> 50V23 + 22Ne10 + 56.179 MeV [11.873 MeV] (A_Ni:450)
62Ni28 + 5 D* --> 51V23 + 21Ne10 + 56.866 MeV [12.560 MeV] (A_Ni:451)
62Ni28 + 5 D* --> 53Cr24 + 19F9 + 55.705 MeV [11.399 MeV] (A_Ni:452)
62Ni28 + 5 D* --> 55Mn25 + 17O8 + 57.452 MeV [13.146 MeV] (A_Ni:453)
62Ni28 + 5 D* --> 57Fe26 + 15N7 + 59.011 MeV [14.705 MeV] (A_Ni:454)
62Ni28 + 5 D* --> 58Fe26 + 14N7 + 58.223 MeV [13.917 MeV] (A_Ni:455)
62Ni28 + 5 D* --> 59Co27 + 13C6 + 58.036 MeV [13.730 MeV] (A_Ni:456)
62Ni28 + 5 D* --> 61Ni28 + 11B5 + 54.485 MeV [10.180 MeV] (A_Ni:457)
62Ni28 + 5 D* --> 62Ni28 + 10B5 + 53.628 MeV [9.322 MeV] (A_Ni:458)
62Ni28 + 5 D* --> 63Cu29 + 9Be4 + 53.164 MeV [8.858 MeV] (A_Ni:459)
62Ni28 + 5 D* --> 66Zn30 + 6Li3 + 53.745 MeV [9.439 MeV] (A_Ni:460)
62Ni28 + 5 D* --> 69Ga31 + 3He2 + 53.329 MeV [9.023 MeV] (A_Ni:461)
62Ni28 + 5 D* --> 70Ge32 + 2H1 + 56.360 MeV [12.054 MeV] (A_Ni:462)

62Ni28 + 6 D* --> 37Cl17 + 37Cl17 + 75.591 MeV [21.261 MeV] (A_Ni:463)
62Ni28 + 6 D* --> 38Ar18 + 36S16 + 77.447 MeV [23.117 MeV] (A_Ni:464)
62Ni28 + 6 D* --> 40Ar18 + 34S16 + 77.040 MeV [22.710 MeV] (A_Ni:465)
62Ni28 + 6 D* --> 44Ca20 + 30Si14 + 77.970 MeV [23.640 MeV] (A_Ni:466)
62Ni28 + 6 D* --> 46Ca20 + 28Si14 + 76.696 MeV [22.366 MeV] (A_Ni:467)
62Ni28 + 6 D* --> 48Ti22 + 26Mg12 + 76.771 MeV [22.440 MeV] (A_Ni:468)
62Ni28 + 6 D* --> 49Ti22 + 25Mg12 + 73.820 MeV [19.490 MeV] (A_Ni:469)
62Ni28 + 6 D* --> 50Ti22 + 24Mg12 + 77.428 MeV [23.098 MeV] (A_Ni:470)
62Ni28 + 6 D* --> 51V23 + 23Na11 + 73.799 MeV [19.469 MeV] (A_Ni:471)
62Ni28 + 6 D* --> 52Cr24 + 22Ne10 + 75.510 MeV [21.180 MeV] (A_Ni:472)
62Ni28 + 6 D* --> 53Cr24 + 21Ne10 + 73.085 MeV [18.755 MeV] (A_Ni:473)
62Ni28 + 6 D* --> 54Cr24 + 20Ne10 + 76.043 MeV [21.713 MeV] (A_Ni:474)
62Ni28 + 6 D* --> 55Mn25 + 19F9 + 71.266 MeV [16.936 MeV] (A_Ni:475)
62Ni28 + 6 D* --> 56Fe26 + 18O8 + 73.455 MeV [19.125 MeV] (A_Ni:476)
62Ni28 + 6 D* --> 57Fe26 + 17O8 + 73.057 MeV [18.727 MeV] (A_Ni:477)
62Ni28 + 6 D* --> 58Fe26 + 16O8 + 78.959 MeV [24.629 MeV] (A_Ni:478)
62Ni28 + 6 D* --> 59Co27 + 15N7 + 74.195 MeV [19.865 MeV] (A_Ni:479)
62Ni28 + 6 D* --> 61Ni28 + 13C6 + 73.164 MeV [18.834 MeV] (A_Ni:480)
62Ni28 + 6 D* --> 62Ni28 + 12C6 + 78.814 MeV [24.484 MeV] (A_Ni:481)
62Ni28 + 6 D* --> 63Cu29 + 11B5 + 68.980 MeV [14.650 MeV] (A_Ni:482)
62Ni28 + 6 D* --> 70Ge32 + 4He2 + 80.206 MeV [25.876 MeV] (A_Ni:483)
62Ni28 + 6 D* --> 74Se34 + 84.281 MeV [29.951 MeV] (A_Ni:484)

62Ni28 + 7 D* --> 40K19 + 36S16 + 89.403 MeV [24.675 MeV] (A_Ni:485)
62Ni28 + 7 D* --> 49Ti22 + 27Al13 + 90.959 MeV [26.232 MeV] (A_Ni:486)
62Ni28 + 7 D* --> 50V23 + 26Mg12 + 90.640 MeV [25.912 MeV] (A_Ni:487)
62Ni28 + 7 D* --> 51V23 + 25Mg12 + 90.598 MeV [25.870 MeV] (A_Ni:488)
62Ni28 + 7 D* --> 53Cr24 + 23Na11 + 90.019 MeV [25.291 MeV] (A_Ni:489)
62Ni28 + 7 D* --> 55Mn25 + 21Ne10 + 88.646 MeV [23.918 MeV] (A_Ni:490)
62Ni28 + 7 D* --> 57Fe26 + 19F9 + 86.871 MeV [22.144 MeV] (A_Ni:491)
62Ni28 + 7 D* --> 59Co27 + 17O8 + 88.241 MeV [23.513 MeV] (A_Ni:492)
62Ni28 + 7 D* --> 61Ni28 + 15N7 + 89.323 MeV [24.596 MeV] (A_Ni:493)
62Ni28 + 7 D* --> 62Ni28 + 14N7 + 89.087 MeV [24.359 MeV] (A_Ni:494)
62Ni28 + 7 D* --> 63Cu29 + 13C6 + 87.658 MeV [22.931 MeV] (A_Ni:495)
62Ni28 + 7 D* --> 66Zn30 + 10B5 + 82.053 MeV [17.325 MeV] (A_Ni:496)
62Ni28 + 7 D* --> 70Ge32 + 6Li3 + 81.680 MeV [16.952 MeV] (A_Ni:497)

62Ni28 + 7 D* --> 74Se34 + 2H1 + 84.281 MeV [19.553 MeV] (A_Ni:498)

62Ni28 + 8 D* --> 40Ar18 + 38Ar18 + 108.094 MeV [32.600 MeV] (A_Ni:499)
62Ni28 + 8 D* --> 41K19 + 37Cl17 + 105.660 MeV [30.166 MeV] (A_Ni:500)
62Ni28 + 8 D* --> 42Ca20 + 36S16 + 107.551 MeV [32.057 MeV] (A_Ni:501)
62Ni28 + 8 D* --> 44Ca20 + 34S16 + 109.740 MeV [34.246 MeV] (A_Ni:502)
62Ni28 + 8 D* --> 46Ca20 + 32S16 + 107.490 MeV [31.996 MeV] (A_Ni:503)
62Ni28 + 8 D* --> 48Ti22 + 30Si14 + 111.260 MeV [35.766 MeV] (A_Ni:504)
62Ni28 + 8 D* --> 49Ti22 + 29Si14 + 108.794 MeV [33.300 MeV] (A_Ni:505)
62Ni28 + 8 D* --> 50Ti22 + 28Si14 + 111.259 MeV [35.765 MeV] (A_Ni:506)
62Ni28 + 8 D* --> 51V23 + 27Al13 + 107.738 MeV [32.244 MeV] (A_Ni:507)
62Ni28 + 8 D* --> 52Cr24 + 26Mg12 + 109.971 MeV [34.477 MeV] (A_Ni:508)
62Ni28 + 8 D* --> 53Cr24 + 25Mg12 + 106.817 MeV [31.323 MeV] (A_Ni:509)
62Ni28 + 8 D* --> 54Cr24 + 24Mg12 + 109.206 MeV [33.712 MeV] (A_Ni:510)
62Ni28 + 8 D* --> 55Mn25 + 23Na11 + 105.580 MeV [30.086 MeV] (A_Ni:511)
62Ni28 + 8 D* --> 56Fe26 + 22Ne10 + 106.970 MeV [31.476 MeV] (A_Ni:512)
62Ni28 + 8 D* --> 57Fe26 + 21Ne10 + 104.252 MeV [28.758 MeV] (A_Ni:513)
62Ni28 + 8 D* --> 58Fe26 + 20Ne10 + 107.535 MeV [32.041 MeV] (A_Ni:514)
62Ni28 + 8 D* --> 59Co27 + 19F9 + 102.055 MeV [26.562 MeV] (A_Ni:515)
62Ni28 + 8 D* --> 60Ni28 + 18O8 + 103.593 MeV [28.099 MeV] (A_Ni:516)
62Ni28 + 8 D* --> 61Ni28 + 17O8 + 103.369 MeV [27.875 MeV] (A_Ni:517)
62Ni28 + 8 D* --> 62Ni28 + 16O8 + 109.823 MeV [34.329 MeV] (A_Ni:518)
62Ni28 + 8 D* --> 63Cu29 + 15N7 + 103.818 MeV [28.324 MeV] (A_Ni:519)
62Ni28 + 8 D* --> 66Zn30 + 12C6 + 107.239 MeV [31.745 MeV] (A_Ni:520)
62Ni28 + 8 D* --> 74Se34 + 4He2 + 108.127 MeV [32.634 MeV] (A_Ni:521)
62Ni28 + 8 D* --> 78Kr36 + 112.519 MeV [37.025 MeV] (A_Ni:522)

62Ni28 + 9 D* --> 40Ar18 + 40K19 + 120.051 MeV [33.427 MeV] (A_Ni:523)
62Ni28 + 9 D* --> 40K19 + 40Ar18 + 120.051 MeV [33.427 MeV] (A_Ni:524)
62Ni28 + 9 D* --> 43Ca20 + 37Cl17 + 121.646 MeV [35.022 MeV] (A_Ni:525)
62Ni28 + 9 D* --> 49Ti22 + 31P15 + 124.475 MeV [37.852 MeV] (A_Ni:526)
62Ni28 + 9 D* --> 50V23 + 30Si14 + 125.130 MeV [38.507 MeV] (A_Ni:527)
62Ni28 + 9 D* --> 51V23 + 29Si14 + 125.572 MeV [38.949 MeV] (A_Ni:528)
62Ni28 + 9 D* --> 53Cr24 + 27Al13 + 123.957 MeV [37.334 MeV] (A_Ni:529)
62Ni28 + 9 D* --> 55Mn25 + 25Mg12 + 122.379 MeV [35.756 MeV] (A_Ni:530)
62Ni28 + 9 D* --> 57Fe26 + 23Na11 + 121.185 MeV [34.562 MeV] (A_Ni:531)
62Ni28 + 9 D* --> 59Co27 + 21Ne10 + 119.436 MeV [32.812 MeV] (A_Ni:532)
62Ni28 + 9 D* --> 61Ni28 + 19F9 + 117.184 MeV [30.560 MeV] (A_Ni:533)
62Ni28 + 9 D* --> 63Cu29 + 17O8 + 117.864 MeV [31.241 MeV] (A_Ni:534)
62Ni28 + 9 D* --> 66Zn30 + 14N7 + 117.511 MeV [30.888 MeV] (A_Ni:535)
62Ni28 + 9 D* --> 70Ge32 + 10B5 + 109.988 MeV [23.365 MeV] (A_Ni:536)
62Ni28 + 9 D* --> 74Se34 + 6Li3 + 109.601 MeV [22.978 MeV] (A_Ni:537)
62Ni28 + 9 D* --> 78Kr36 + 2H1 + 112.519 MeV [25.896 MeV] (A_Ni:538)

62Ni28 + 10 D* --> 41K19 + 41K19 + 135.729 MeV [37.619 MeV] (A_Ni:539)
62Ni28 + 10 D* --> 42Ca20 + 40Ar18 + 138.198 MeV [40.087 MeV] (A_Ni:540)
62Ni28 + 10 D* --> 44Ca20 + 38Ar18 + 140.794 MeV [42.683 MeV] (A_Ni:541)
62Ni28 + 10 D* --> 46Ca20 + 36Ar18 + 137.978 MeV [39.867 MeV] (A_Ni:542)
62Ni28 + 10 D* --> 45Sc21 + 37Cl17 + 137.440 MeV [39.330 MeV] (A_Ni:543)
62Ni28 + 10 D* --> 46Ti22 + 36S16 + 139.399 MeV [41.288 MeV] (A_Ni:544)
62Ni28 + 10 D* --> 48Ti22 + 34S16 + 143.031 MeV [44.920 MeV] (A_Ni:545)
62Ni28 + 10 D* --> 49Ti22 + 33S16 + 139.756 MeV [41.645 MeV] (A_Ni:546)
62Ni28 + 10 D* --> 50Ti22 + 32S16 + 142.053 MeV [43.943 MeV] (A_Ni:547)
62Ni28 + 10 D* --> 51V23 + 31P15 + 141.253 MeV [43.143 MeV] (A_Ni:548)

62Ni28 + 10 D* --> 52Cr24 + 30Si14 + 144.461 MeV [46.350 MeV] (A_Ni:549)
62Ni28 + 10 D* --> 53Cr24 + 29Si14 + 141.791 MeV [43.680 MeV] (A_Ni:550)
62Ni28 + 10 D* --> 54Cr24 + 28Si14 + 143.036 MeV [44.926 MeV] (A_Ni:551)
62Ni28 + 10 D* --> 55Mn25 + 27Al13 + 139.518 MeV [41.408 MeV] (A_Ni:552)
62Ni28 + 10 D* --> 56Fe26 + 26Mg12 + 141.431 MeV [43.320 MeV] (A_Ni:553)
62Ni28 + 10 D* --> 57Fe26 + 25Mg12 + 137.984 MeV [39.873 MeV] (A_Ni:554)
62Ni28 + 10 D* --> 58Fe26 + 24Mg12 + 140.698 MeV [42.587 MeV] (A_Ni:555)
62Ni28 + 10 D* --> 59Co27 + 23Na11 + 136.369 MeV [38.259 MeV] (A_Ni:556)
62Ni28 + 10 D* --> 60Ni28 + 22Ne10 + 137.108 MeV [38.997 MeV] (A_Ni:557)
62Ni28 + 10 D* --> 61Ni28 + 21Ne10 + 134.564 MeV [36.453 MeV] (A_Ni:558)
62Ni28 + 10 D* --> 62Ni28 + 20Ne10 + 138.399 MeV [40.288 MeV] (A_Ni:559)
62Ni28 + 10 D* --> 63Cu29 + 19F9 + 131.678 MeV [33.567 MeV] (A_Ni:560)
62Ni28 + 10 D* --> 64Zn30 + 18O8 + 131.396 MeV [33.286 MeV] (A_Ni:561)
62Ni28 + 10 D* --> 66Zn30 + 16O8 + 138.248 MeV [40.137 MeV] (A_Ni:562)
62Ni28 + 10 D* --> 70Ge32 + 12C6 + 135.174 MeV [37.064 MeV] (A_Ni:563)
62Ni28 + 10 D* --> 78Kr36 + 4He2 + 136.366 MeV [38.255 MeV] (A_Ni:564)

62Ni28 + 11 D* --> 43Ca20 + 41K19 + 151.715 MeV [41.763 MeV] (A_Ni:565)
62Ni28 + 11 D* --> 44Ca20 + 40K19 + 152.751 MeV [42.799 MeV] (A_Ni:566)
62Ni28 + 11 D* --> 47Ti22 + 37Cl17 + 154.441 MeV [44.489 MeV] (A_Ni:567)
62Ni28 + 11 D* --> 49Ti22 + 35Cl17 + 155.319 MeV [45.367 MeV] (A_Ni:568)
62Ni28 + 11 D* --> 50V23 + 34S16 + 156.900 MeV [46.948 MeV] (A_Ni:569)
62Ni28 + 11 D* --> 51V23 + 33S16 + 156.534 MeV [46.582 MeV] (A_Ni:570)
62Ni28 + 11 D* --> 53Cr24 + 31P15 + 157.472 MeV [47.521 MeV] (A_Ni:571)
62Ni28 + 11 D* --> 55Mn25 + 29Si14 + 157.352 MeV [47.401 MeV] (A_Ni:572)
62Ni28 + 11 D* --> 57Fe26 + 27Al13 + 155.124 MeV [45.172 MeV] (A_Ni:573)
62Ni28 + 11 D* --> 59Co27 + 25Mg12 + 153.168 MeV [43.216 MeV] (A_Ni:574)
62Ni28 + 11 D* --> 61Ni28 + 23Na11 + 151.498 MeV [41.546 MeV] (A_Ni:575)
62Ni28 + 11 D* --> 63Cu29 + 21Ne10 + 149.058 MeV [39.106 MeV] (A_Ni:576)
62Ni28 + 11 D* --> 70Ge32 + 14N7 + 145.447 MeV [35.495 MeV] (A_Ni:577)
62Ni28 + 11 D* --> 74Se34 + 10B5 + 137.909 MeV [27.957 MeV] (A_Ni:578)
62Ni28 + 11 D* --> 78Kr36 + 6Li3 + 137.840 MeV [27.888 MeV] (A_Ni:579)

62Ni28 + 12 D* --> 43Ca20 + 43Ca20 + 167.700 MeV [45.558 MeV] (A_Ni:580)
62Ni28 + 12 D* --> 44Ca20 + 42Ca20 + 170.898 MeV [48.756 MeV] (A_Ni:581)
62Ni28 + 12 D* --> 46Ca20 + 40Ca20 + 168.864 MeV [46.722 MeV] (A_Ni:582)
62Ni28 + 12 D* --> 45Sc21 + 41K19 + 167.509 MeV [45.367 MeV] (A_Ni:583)
62Ni28 + 12 D* --> 46Ti22 + 40Ar18 + 170.046 MeV [47.904 MeV] (A_Ni:584)
62Ni28 + 12 D* --> 48Ti22 + 38Ar18 + 174.085 MeV [51.943 MeV] (A_Ni:585)
62Ni28 + 12 D* --> 50Ti22 + 36Ar18 + 172.541 MeV [50.399 MeV] (A_Ni:586)
62Ni28 + 12 D* --> 51V23 + 35Cl17 + 172.097 MeV [49.955 MeV] (A_Ni:587)
62Ni28 + 12 D* --> 50Cr24 + 36S16 + 171.806 MeV [49.664 MeV] (A_Ni:588)
62Ni28 + 12 D* --> 52Cr24 + 34S16 + 176.231 MeV [54.089 MeV] (A_Ni:589)
62Ni28 + 12 D* --> 53Cr24 + 33S16 + 172.753 MeV [50.611 MeV] (A_Ni:590)
62Ni28 + 12 D* --> 54Cr24 + 32S16 + 173.831 MeV [51.689 MeV] (A_Ni:591)
62Ni28 + 12 D* --> 55Mn25 + 31P15 + 173.034 MeV [50.892 MeV] (A_Ni:592)
62Ni28 + 12 D* --> 56Fe26 + 30Si14 + 175.921 MeV [53.779 MeV] (A_Ni:593)
62Ni28 + 12 D* --> 57Fe26 + 29Si14 + 172.958 MeV [50.816 MeV] (A_Ni:594)
62Ni28 + 12 D* --> 58Fe26 + 28Si14 + 174.529 MeV [52.387 MeV] (A_Ni:595)
62Ni28 + 12 D* --> 59Co27 + 27Al13 + 170.308 MeV [48.165 MeV] (A_Ni:596)
62Ni28 + 12 D* --> 60Ni28 + 26Mg12 + 171.569 MeV [49.427 MeV] (A_Ni:597)
62Ni28 + 12 D* --> 61Ni28 + 25Mg12 + 168.296 MeV [46.154 MeV] (A_Ni:598)
62Ni28 + 12 D* --> 62Ni28 + 24Mg12 + 171.562 MeV [49.420 MeV] (A_Ni:599)
62Ni28 + 12 D* --> 63Cu29 + 23Na11 + 165.992 MeV [43.850 MeV] (A_Ni:600)

62Ni28 + 12 D* --> 64Zn30 + 22Ne10 + 164.911 MeV [42.769 MeV] (A_Ni:601)
62Ni28 + 12 D* --> 66Zn30 + 20Ne10 + 166.824 MeV [44.682 MeV] (A_Ni:602)
62Ni28 + 12 D* --> 70Ge32 + 16O8 + 166.183 MeV [44.041 MeV] (A_Ni:603)
62Ni28 + 12 D* --> 74Se34 + 12C6 + 163.095 MeV [40.953 MeV] (A_Ni:604)

64Ni28 + 2 D* --> 46Ca20 + 22Ne10 + 10.332 MeV [-6.038 MeV] (A_Ni:605)
64Ni28 + 2 D* --> 48Ca20 + 20Ne10 + 10.428 MeV [-5.942 MeV] (A_Ni:606)
64Ni28 + 2 D* --> 50Ti22 + 18O8 + 11.380 MeV [-4.989 MeV] (A_Ni:607)
64Ni28 + 2 D* --> 64Ni28 + 4He2 + 23.847 MeV [7.477 MeV] (A_Ni:608)
64Ni28 + 2 D* --> 68Zn30 + 29.179 MeV [12.810 MeV] (A_Ni:609)

64Ni28 + 3 D* --> 64Ni28 + 6Li3 + 25.320 MeV [00.163 MeV] (A_Ni:610)
64Ni28 + 3 D* --> 68Zn30 + 2H1 + 29.179 MeV [4.022 MeV] (A_Ni:611)

64Ni28 + 4 D* --> 36S16 + 36S16 + 46.772 MeV [12.435 MeV] (A_Ni:612)
64Ni28 + 4 D* --> 46Ca20 + 26Mg12 + 44.793 MeV [10.456 MeV] (A_Ni:613)
64Ni28 + 4 D* --> 48Ca20 + 24Mg12 + 43.591 MeV [9.254 MeV] (A_Ni:614)
64Ni28 + 4 D* --> 50Ti22 + 22Ne10 + 44.895 MeV [10.558 MeV] (A_Ni:615)
64Ni28 + 4 D* --> 54Cr24 + 18O8 + 43.158 MeV [8.821 MeV] (A_Ni:616)
64Ni28 + 4 D* --> 65Cu29 + 7Li3 + 37.799 MeV [3.462 MeV] (A_Ni:617)
64Ni28 + 4 D* --> 68Zn30 + 4He2 + 53.026 MeV [18.689 MeV] (A_Ni:618)
64Ni28 + 4 D* --> 71Ga31 + 1H1 + 48.295 MeV [13.958 MeV] (A_Ni:619)
64Ni28 + 4 D* --> 72Ge32 + 58.030 MeV [23.692 MeV] (A_Ni:620)

64Ni28 + 5 D* --> 64Ni28 + 10B5 + 53.628 MeV [9.725 MeV] (A_Ni:621)
64Ni28 + 5 D* --> 65Cu29 + 9Be4 + 54.495 MeV [10.592 MeV] (A_Ni:622)
64Ni28 + 5 D* --> 67Zn30 + 7Li3 + 51.552 MeV [7.649 MeV] (A_Ni:623)
64Ni28 + 5 D* --> 68Zn30 + 6Li3 + 54.500 MeV [10.597 MeV] (A_Ni:624)
64Ni28 + 5 D* --> 71Ga31 + 3He2 + 53.788 MeV [9.885 MeV] (A_Ni:625)
64Ni28 + 5 D* --> 72Ge32 + 2H1 + 58.030 MeV [14.126 MeV] (A_Ni:626)
64Ni28 + 5 D* --> 73Ge32 + 1H1 + 62.588 MeV [18.685 MeV] (A_Ni:627)

64Ni28 + 6 D* --> 40Ar18 + 36S16 + 77.419 MeV [23.570 MeV] (A_Ni:628)
64Ni28 + 6 D* --> 46Ca20 + 30Si14 + 79.283 MeV [25.434 MeV] (A_Ni:629)
64Ni28 + 6 D* --> 48Ca20 + 28Si14 + 77.422 MeV [23.573 MeV] (A_Ni:630)
64Ni28 + 6 D* --> 50Ti22 + 26Mg12 + 79.356 MeV [25.507 MeV] (A_Ni:631)
64Ni28 + 6 D* --> 54Cr24 + 22Ne10 + 76.672 MeV [22.823 MeV] (A_Ni:632)
64Ni28 + 6 D* --> 58Fe26 + 18O8 + 74.650 MeV [20.801 MeV] (A_Ni:633)
64Ni28 + 6 D* --> 64Ni28 + 12C6 + 78.814 MeV [24.965 MeV] (A_Ni:634)
64Ni28 + 6 D* --> 65Cu29 + 11B5 + 70.311 MeV [16.462 MeV] (A_Ni:635)
64Ni28 + 6 D* --> 67Zn30 + 9Be4 + 68.248 MeV [14.399 MeV] (A_Ni:636)
64Ni28 + 6 D* --> 69Ga31 + 7Li3 + 66.135 MeV [12.285 MeV] (A_Ni:637)
64Ni28 + 6 D* --> 72Ge32 + 4He2 + 81.876 MeV [28.027 MeV] (A_Ni:638)
64Ni28 + 6 D* --> 73Ge32 + 3He2 + 68.081 MeV [14.232 MeV] (A_Ni:639)
64Ni28 + 6 D* --> 75As33 + 1H1 + 77.458 MeV [23.609 MeV] (A_Ni:640)
64Ni28 + 6 D* --> 76Se34 + 86.967 MeV [33.118 MeV] (A_Ni:641)

64Ni28 + 7 D* --> 64Ni28 + 14N7 + 89.087 MeV [24.917 MeV] (A_Ni:642)
64Ni28 + 7 D* --> 65Cu29 + 13C6 + 88.989 MeV [24.820 MeV] (A_Ni:643)
64Ni28 + 7 D* --> 67Zn30 + 11B5 + 84.063 MeV [19.893 MeV] (A_Ni:644)
64Ni28 + 7 D* --> 68Zn30 + 10B5 + 82.807 MeV [18.637 MeV] (A_Ni:645)
64Ni28 + 7 D* --> 69Ga31 + 9Be4 + 82.831 MeV [18.661 MeV] (A_Ni:646)
64Ni28 + 7 D* --> 72Ge32 + 6Li3 + 83.350 MeV [19.180 MeV] (A_Ni:647)

64Ni28 + 7 D* --> 75As33 + 3He2 + 82.952 MeV [18.782 MeV] (A_Ni:648)
64Ni28 + 7 D* --> 76Se34 + 2H1 + 86.967 MeV [22.797 MeV] (A_Ni:649)
64Ni28 + 7 D* --> 77Se34 + 1H1 + 92.161 MeV [27.992 MeV] (A_Ni:650)

64Ni28 + 8 D* --> 40Ar18 + 40Ar18 + 108.066 MeV [33.207 MeV] (A_Ni:651)
64Ni28 + 8 D* --> 44Ca20 + 36S16 + 110.119 MeV [35.260 MeV] (A_Ni:652)
64Ni28 + 8 D* --> 46Ca20 + 34S16 + 111.053 MeV [36.194 MeV] (A_Ni:653)
64Ni28 + 8 D* --> 48Ca20 + 32S16 + 108.216 MeV [33.357 MeV] (A_Ni:654)
64Ni28 + 8 D* --> 50Ti22 + 30Si14 + 113.846 MeV [38.987 MeV] (A_Ni:655)
64Ni28 + 8 D* --> 54Cr24 + 26Mg12 + 111.134 MeV [36.274 MeV] (A_Ni:656)
64Ni28 + 8 D* --> 58Fe26 + 22Ne10 + 108.165 MeV [33.305 MeV] (A_Ni:657)
64Ni28 + 8 D* --> 62Ni28 + 18O8 + 105.514 MeV [30.655 MeV] (A_Ni:658)
64Ni28 + 8 D* --> 64Ni28 + 16O8 + 109.823 MeV [34.963 MeV] (A_Ni:659)
64Ni28 + 8 D* --> 65Cu29 + 15N7 + 105.149 MeV [30.289 MeV] (A_Ni:660)
64Ni28 + 8 D* --> 67Zn30 + 13C6 + 102.742 MeV [27.882 MeV] (A_Ni:661)
64Ni28 + 8 D* --> 68Zn30 + 12C6 + 107.994 MeV [33.134 MeV] (A_Ni:662)
64Ni28 + 8 D* --> 69Ga31 + 11B5 + 98.646 MeV [23.787 MeV] (A_Ni:663)
64Ni28 + 8 D* --> 76Se34 + 4He2 + 110.814 MeV [35.954 MeV] (A_Ni:664)
64Ni28 + 8 D* --> 77Se34 + 3He2 + 97.655 MeV [22.795 MeV] (A_Ni:665)
64Ni28 + 8 D* --> 79Br35 + 1H1 + 106.766 MeV [31.906 MeV] (A_Ni:666)
64Ni28 + 8 D* --> 80Kr36 + 115.879 MeV [41.019 MeV] (A_Ni:667)

64Ni28 + 9 D* --> 65Cu29 + 17O8 + 119.195 MeV [33.282 MeV] (A_Ni:668)
64Ni28 + 9 D* --> 67Zn30 + 15N7 + 118.901 MeV [32.988 MeV] (A_Ni:669)
64Ni28 + 9 D* --> 68Zn30 + 14N7 + 118.266 MeV [32.353 MeV] (A_Ni:670)
64Ni28 + 9 D* --> 69Ga31 + 13C6 + 117.325 MeV [31.412 MeV] (A_Ni:671)
64Ni28 + 9 D* --> 72Ge32 + 10B5 + 111.657 MeV [25.744 MeV] (A_Ni:672)
64Ni28 + 9 D* --> 76Se34 + 6Li3 + 112.287 MeV [26.374 MeV] (A_Ni:673)
64Ni28 + 9 D* --> 79Br35 + 3He2 + 112.260 MeV [26.346 MeV] (A_Ni:674)
64Ni28 + 9 D* --> 80Kr36 + 2H1 + 115.879 MeV [29.966 MeV] (A_Ni:675)

64Ni28 + 10 D* --> 44Ca20 + 40Ar18 + 140.766 MeV [43.441 MeV] (A_Ni:676)
64Ni28 + 10 D* --> 46Ca20 + 38Ar18 + 142.108 MeV [44.782 MeV] (A_Ni:677)
64Ni28 + 10 D* --> 48Ca20 + 36Ar18 + 138.704 MeV [41.378 MeV] (A_Ni:678)
64Ni28 + 10 D* --> 48Ti22 + 36S16 + 143.410 MeV [46.084 MeV] (A_Ni:679)
64Ni28 + 10 D* --> 50Ti22 + 34S16 + 145.616 MeV [48.291 MeV] (A_Ni:680)
64Ni28 + 10 D* --> 54Cr24 + 30Si14 + 145.623 MeV [48.298 MeV] (A_Ni:681)
64Ni28 + 10 D* --> 58Fe26 + 26Mg12 + 142.626 MeV [45.300 MeV] (A_Ni:682)
64Ni28 + 10 D* --> 62Ni28 + 22Ne10 + 139.029 MeV [41.703 MeV] (A_Ni:683)
64Ni28 + 10 D* --> 64Ni28 + 20Ne10 + 138.399 MeV [41.073 MeV] (A_Ni:684)
64Ni28 + 10 D* --> 65Cu29 + 19F9 + 133.009 MeV [35.683 MeV] (A_Ni:685)
64Ni28 + 10 D* --> 66Zn30 + 18O8 + 133.939 MeV [36.613 MeV] (A_Ni:686)
64Ni28 + 10 D* --> 67Zn30 + 17O8 + 132.947 MeV [35.621 MeV] (A_Ni:687)
64Ni28 + 10 D* --> 68Zn30 + 16O8 + 139.002 MeV [41.676 MeV] (A_Ni:688)
64Ni28 + 10 D* --> 69Ga31 + 15N7 + 133.484 MeV [36.159 MeV] (A_Ni:689)
64Ni28 + 10 D* --> 72Ge32 + 12C6 + 136.844 MeV [39.518 MeV] (A_Ni:690)
64Ni28 + 10 D* --> 80Kr36 + 4He2 + 139.726 MeV [42.400 MeV] (A_Ni:691)
64Ni28 + 10 D* --> 84Sr38 + 144.902 MeV [47.576 MeV] (A_Ni:692)

64Ni28 + 11 D* --> 46Ca20 + 40K19 + 154.064 MeV [44.971 MeV] (A_Ni:693)
64Ni28 + 11 D* --> 49Ti22 + 37Cl17 + 157.714 MeV [48.621 MeV] (A_Ni:694)
64Ni28 + 11 D* --> 50V23 + 36S16 + 157.279 MeV [48.187 MeV] (A_Ni:695)
64Ni28 + 11 D* --> 65Cu29 + 21Ne10 + 150.389 MeV [41.296 MeV] (A_Ni:696)
64Ni28 + 11 D* --> 67Zn30 + 19F9 + 146.761 MeV [37.669 MeV] (A_Ni:697)

64Ni28 + 11 D* --> 69Ga31 + 17O8 + 147.530 MeV [38.437 MeV] (A_Ni:698)
64Ni28 + 11 D* --> 72Ge32 + 14N7 + 147.116 MeV [38.023 MeV] (A_Ni:699)
64Ni28 + 11 D* --> 76Se34 + 10B5 + 140.595 MeV [31.502 MeV] (A_Ni:700)
64Ni28 + 11 D* --> 80Kr36 + 6Li3 + 141.199 MeV [32.107 MeV] (A_Ni:701)
64Ni28 + 11 D* --> 84Sr38 + 2H1 + 144.902 MeV [35.809 MeV] (A_Ni:702)

64Ni28 + 12 D* --> 44Ca20 + 44Ca20 + 173.466 MeV [52.257 MeV] (A_Ni:703)
64Ni28 + 12 D* --> 46Ca20 + 42Ca20 + 172.212 MeV [51.002 MeV] (A_Ni:704)
64Ni28 + 12 D* --> 48Ca20 + 40Ca20 + 169.590 MeV [48.380 MeV] (A_Ni:705)
64Ni28 + 12 D* --> 48Ti22 + 40Ar18 + 174.057 MeV [52.847 MeV] (A_Ni:706)
64Ni28 + 12 D* --> 50Ti22 + 38Ar18 + 176.671 MeV [55.461 MeV] (A_Ni:707)
64Ni28 + 12 D* --> 51V23 + 37Cl17 + 174.492 MeV [53.283 MeV] (A_Ni:708)
64Ni28 + 12 D* --> 52Cr24 + 36S16 + 176.610 MeV [55.401 MeV] (A_Ni:709)
64Ni28 + 12 D* --> 54Cr24 + 34S16 + 177.394 MeV [56.184 MeV] (A_Ni:710)
64Ni28 + 12 D* --> 58Fe26 + 30Si14 + 177.116 MeV [55.906 MeV] (A_Ni:711)
64Ni28 + 12 D* --> 62Ni28 + 26Mg12 + 173.490 MeV [52.280 MeV] (A_Ni:712)
64Ni28 + 12 D* --> 64Ni28 + 24Mg12 + 171.562 MeV [50.353 MeV] (A_Ni:713)
64Ni28 + 12 D* --> 65Cu29 + 23Na11 + 167.323 MeV [46.113 MeV] (A_Ni:714)
64Ni28 + 12 D* --> 66Zn30 + 22Ne10 + 167.454 MeV [46.244 MeV] (A_Ni:715)
64Ni28 + 12 D* --> 67Zn30 + 21Ne10 + 164.142 MeV [42.932 MeV] (A_Ni:716)
64Ni28 + 12 D* --> 68Zn30 + 20Ne10 + 167.579 MeV [46.369 MeV] (A_Ni:717)
64Ni28 + 12 D* --> 69Ga31 + 19F9 + 161.345 MeV [40.135 MeV] (A_Ni:718)
64Ni28 + 12 D* --> 70Ge32 + 18O8 + 161.874 MeV [40.664 MeV] (A_Ni:719)
64Ni28 + 12 D* --> 72Ge32 + 16O8 + 167.852 MeV [46.643 MeV] (A_Ni:720)
64Ni28 + 12 D* --> 76Se34 + 12C6 + 165.781 MeV [44.572 MeV] (A_Ni:721)
64Ni28 + 12 D* --> 84Sr38 + 4He2 + 168.748 MeV [47.539 MeV] (A_Ni:722)

---------- Equations follow for Copper, Cu, element 29 ----------

63Cu29 + D* --> 36S16 + 29Si14 + 00.115 MeV [-8.194 MeV] (A_Cu:1)
63Cu29 + D* --> 49Ti22 + 16O8 + 00.852 MeV [-7.457 MeV] (A_Cu:2)
63Cu29 + D* --> 53Cr24 + 12C6 + 2.841 MeV [-5.468 MeV] (A_Cu:3)
63Cu29 + D* --> 61Ni28 + 4He2 + 9.352 MeV [1.043 MeV] (A_Cu:4)

63Cu29 + 2 D* --> 36S16 + 31P15 + 15.797 MeV [-1.221 MeV] (A_Cu:5)
63Cu29 + 2 D* --> 37Cl17 + 30Si14 + 16.886 MeV [-0.132 MeV] (A_Cu:6)
63Cu29 + 2 D* --> 40Ar18 + 27Al13 + 12.928 MeV [-4.090 MeV] (A_Cu:7)
63Cu29 + 2 D* --> 41K19 + 26Mg12 + 12.466 MeV [-4.553 MeV] (A_Cu:8)
63Cu29 + 2 D* --> 44Ca20 + 23Na11 + 11.690 MeV [-5.328 MeV] (A_Cu:9)
63Cu29 + 2 D* --> 45Sc21 + 22Ne10 + 9.784 MeV [-7.234 MeV] (A_Cu:10)
63Cu29 + 2 D* --> 48Ti22 + 19F9 + 10.667 MeV [-6.351 MeV] (A_Cu:11)
63Cu29 + 2 D* --> 50V23 + 17O8 + 10.722 MeV [-6.296 MeV] (A_Cu:12)
63Cu29 + 2 D* --> 51V23 + 16O8 + 17.630 MeV [00.612 MeV] (A_Cu:13)
63Cu29 + 2 D* --> 52Cr24 + 15N7 + 16.007 MeV [-1.011 MeV] (A_Cu:14)
63Cu29 + 2 D* --> 53Cr24 + 14N7 + 13.113 MeV [-3.905 MeV] (A_Cu:15)
63Cu29 + 2 D* --> 55Mn25 + 12C6 + 18.402 MeV [1.384 MeV] (A_Cu:16)
63Cu29 + 2 D* --> 56Fe26 + 11B5 + 12.629 MeV [-4.389 MeV] (A_Cu:17)
63Cu29 + 2 D* --> 57Fe26 + 10B5 + 8.821 MeV [-8.197 MeV] (A_Cu:18)
63Cu29 + 2 D* --> 60Ni28 + 7Li3 + 10.256 MeV [-6.762 MeV] (A_Cu:19)
63Cu29 + 2 D* --> 61Ni28 + 6Li3 + 10.826 MeV [-6.192 MeV] (A_Cu:20)
63Cu29 + 2 D* --> 63Cu29 + 4He2 + 23.847 MeV [6.828 MeV] (A_Cu:21)
63Cu29 + 2 D* --> 66Zn30 + 1H1 + 22.302 MeV [5.284 MeV] (A_Cu:22)

63Cu29 + 3 D* --> 36S16 + 33S16 + 31.078 MeV [4.957 MeV] (A_Cu:23)

63Cu29 + 3 D* --> 40Ar18 + 29Si14 + 30.763 MeV [4.642 MeV] (A_Cu:24)
63Cu29 + 3 D* --> 43Ca20 + 26Mg12 + 28.451 MeV [2.330 MeV] (A_Cu:25)
63Cu29 + 3 D* --> 44Ca20 + 25Mg12 + 28.489 MeV [2.368 MeV] (A_Cu:26)
63Cu29 + 3 D* --> 47Ti22 + 22Ne10 + 26.785 MeV [00.664 MeV] (A_Cu:27)
63Cu29 + 3 D* --> 48Ti22 + 21Ne10 + 28.047 MeV [1.926 MeV] (A_Cu:28)
63Cu29 + 3 D* --> 49Ti22 + 20Ne10 + 29.428 MeV [3.308 MeV] (A_Cu:29)
63Cu29 + 3 D* --> 50V23 + 19F9 + 24.537 MeV [-1.584 MeV] (A_Cu:30)
63Cu29 + 3 D* --> 52Cr24 + 17O8 + 30.053 MeV [3.933 MeV] (A_Cu:31)
63Cu29 + 3 D* --> 53Cr24 + 16O8 + 33.849 MeV [7.729 MeV] (A_Cu:32)
63Cu29 + 3 D* --> 55Mn25 + 14N7 + 28.675 MeV [2.554 MeV] (A_Cu:33)
63Cu29 + 3 D* --> 56Fe26 + 13C6 + 31.308 MeV [5.187 MeV] (A_Cu:34)
63Cu29 + 3 D* --> 57Fe26 + 12C6 + 34.008 MeV [7.887 MeV] (A_Cu:35)
63Cu29 + 3 D* --> 59Co27 + 10B5 + 24.005 MeV [-2.115 MeV] (A_Cu:36)
63Cu29 + 3 D* --> 60Ni28 + 9Be4 + 26.952 MeV [00.831 MeV] (A_Cu:37)
63Cu29 + 3 D* --> 63Cu29 + 6Li3 + 25.320 MeV [-0.800 MeV] (A_Cu:38)
63Cu29 + 3 D* --> 66Zn30 + 3He2 + 27.796 MeV [1.675 MeV] (A_Cu:39)

63Cu29 + 4 D* --> 36S16 + 35Cl17 + 46.641 MeV [11.031 MeV] (A_Cu:40)
63Cu29 + 4 D* --> 37Cl17 + 34S16 + 48.657 MeV [13.046 MeV] (A_Cu:41)
63Cu29 + 4 D* --> 40Ar18 + 31P15 + 46.444 MeV [10.834 MeV] (A_Cu:42)
63Cu29 + 4 D* --> 41K19 + 30Si14 + 46.955 MeV [11.345 MeV] (A_Cu:43)
63Cu29 + 4 D* --> 44Ca20 + 27Al13 + 45.628 MeV [10.018 MeV] (A_Cu:44)
63Cu29 + 4 D* --> 45Sc21 + 26Mg12 + 44.246 MeV [8.635 MeV] (A_Cu:45)
63Cu29 + 4 D* --> 48Ti22 + 23Na11 + 44.981 MeV [9.371 MeV] (A_Cu:46)
63Cu29 + 4 D* --> 50V23 + 21Ne10 + 41.917 MeV [6.306 MeV] (A_Cu:47)
63Cu29 + 4 D* --> 51V23 + 20Ne10 + 46.207 MeV [10.596 MeV] (A_Cu:48)
63Cu29 + 4 D* --> 52Cr24 + 19F9 + 43.868 MeV [8.257 MeV] (A_Cu:49)
63Cu29 + 4 D* --> 55Mn25 + 16O8 + 49.411 MeV [13.801 MeV] (A_Cu:50)
63Cu29 + 4 D* --> 56Fe26 + 15N7 + 47.467 MeV [11.857 MeV] (A_Cu:51)
63Cu29 + 4 D* --> 57Fe26 + 14N7 + 44.280 MeV [8.670 MeV] (A_Cu:52)
63Cu29 + 4 D* --> 59Co27 + 12C6 + 49.192 MeV [13.581 MeV] (A_Cu:53)
63Cu29 + 4 D* --> 60Ni28 + 11B5 + 42.768 MeV [7.157 MeV] (A_Cu:54)
63Cu29 + 4 D* --> 61Ni28 + 10B5 + 39.134 MeV [3.523 MeV] (A_Cu:55)
63Cu29 + 4 D* --> 64Zn30 + 7Li3 + 38.059 MeV [2.448 MeV] (A_Cu:56)
63Cu29 + 4 D* --> 70Ge32 + 1H1 + 50.237 MeV [14.627 MeV] (A_Cu:57)

63Cu29 + 5 D* --> 40Ar18 + 33S16 + 61.725 MeV [16.244 MeV] (A_Cu:58)
63Cu29 + 5 D* --> 43Ca20 + 30Si14 + 62.941 MeV [17.460 MeV] (A_Cu:59)
63Cu29 + 5 D* --> 44Ca20 + 29Si14 + 63.463 MeV [17.982 MeV] (A_Cu:60)
63Cu29 + 5 D* --> 47Ti22 + 26Mg12 + 61.246 MeV [15.765 MeV] (A_Cu:61)
63Cu29 + 5 D* --> 48Ti22 + 25Mg12 + 61.780 MeV [16.299 MeV] (A_Cu:62)
63Cu29 + 5 D* --> 49Ti22 + 24Mg12 + 62.591 MeV [17.111 MeV] (A_Cu:63)
63Cu29 + 5 D* --> 50V23 + 23Na11 + 58.850 MeV [13.370 MeV] (A_Cu:64)
63Cu29 + 5 D* --> 52Cr24 + 21Ne10 + 61.248 MeV [15.767 MeV] (A_Cu:65)
63Cu29 + 5 D* --> 53Cr24 + 20Ne10 + 62.426 MeV [16.945 MeV] (A_Cu:66)
63Cu29 + 5 D* --> 56Fe26 + 17O8 + 61.513 MeV [16.032 MeV] (A_Cu:67)
63Cu29 + 5 D* --> 57Fe26 + 16O8 + 65.016 MeV [19.535 MeV] (A_Cu:68)
63Cu29 + 5 D* --> 59Co27 + 14N7 + 59.464 MeV [13.983 MeV] (A_Cu:69)
63Cu29 + 5 D* --> 60Ni28 + 13C6 + 61.446 MeV [15.965 MeV] (A_Cu:70)
63Cu29 + 5 D* --> 61Ni28 + 12C6 + 64.320 MeV [18.839 MeV] (A_Cu:71)
63Cu29 + 5 D* --> 63Cu29 + 10B5 + 53.628 MeV [8.147 MeV] (A_Cu:72)
63Cu29 + 5 D* --> 64Zn30 + 9Be4 + 54.755 MeV [9.274 MeV] (A_Cu:73)
63Cu29 + 5 D* --> 70Ge32 + 3He2 + 55.731 MeV [10.250 MeV] (A_Cu:74)

63Cu29 + 6 D* --> 38Ar18 + 37Cl17 + 79.711 MeV [23.984 MeV] (A_Cu:75)
63Cu29 + 6 D* --> 40Ar18 + 35Cl17 + 77.288 MeV [21.562 MeV] (A_Cu:76)
63Cu29 + 6 D* --> 39K19 + 36S16 + 77.706 MeV [21.979 MeV] (A_Cu:77)
63Cu29 + 6 D* --> 41K19 + 34S16 + 78.726 MeV [22.999 MeV] (A_Cu:78)
63Cu29 + 6 D* --> 44Ca20 + 31P15 + 79.144 MeV [23.418 MeV] (A_Cu:79)
63Cu29 + 6 D* --> 45Sc21 + 30Si14 + 78.736 MeV [23.009 MeV] (A_Cu:80)
63Cu29 + 6 D* --> 48Ti22 + 27Al13 + 78.919 MeV [23.193 MeV] (A_Cu:81)
63Cu29 + 6 D* --> 50V23 + 25Mg12 + 75.649 MeV [19.923 MeV] (A_Cu:82)
63Cu29 + 6 D* --> 51V23 + 24Mg12 + 79.370 MeV [23.643 MeV] (A_Cu:83)
63Cu29 + 6 D* --> 52Cr24 + 23Na11 + 78.182 MeV [22.455 MeV] (A_Cu:84)
63Cu29 + 6 D* --> 55Mn25 + 20Ne10 + 77.987 MeV [22.261 MeV] (A_Cu:85)
63Cu29 + 6 D* --> 56Fe26 + 19F9 + 75.328 MeV [19.601 MeV] (A_Cu:86)
63Cu29 + 6 D* --> 59Co27 + 16O8 + 80.200 MeV [24.474 MeV] (A_Cu:87)
63Cu29 + 6 D* --> 60Ni28 + 15N7 + 77.605 MeV [21.879 MeV] (A_Cu:88)
63Cu29 + 6 D* --> 61Ni28 + 14N7 + 74.592 MeV [18.866 MeV] (A_Cu:89)
63Cu29 + 6 D* --> 63Cu29 + 12C6 + 78.814 MeV [23.088 MeV] (A_Cu:90)
63Cu29 + 6 D* --> 64Zn30 + 11B5 + 70.570 MeV [14.844 MeV] (A_Cu:91)
63Cu29 + 6 D* --> 74Se34 + 1H1 + 78.159 MeV [22.432 MeV] (A_Cu:92)

63Cu29 + 7 D* --> 40K19 + 37Cl17 + 91.667 MeV [25.325 MeV] (A_Cu:93)
63Cu29 + 7 D* --> 43Ca20 + 34S16 + 94.711 MeV [28.369 MeV] (A_Cu:94)
63Cu29 + 7 D* --> 44Ca20 + 33S16 + 94.425 MeV [28.083 MeV] (A_Cu:95)
63Cu29 + 7 D* --> 47Ti22 + 30Si14 + 95.736 MeV [29.394 MeV] (A_Cu:96)
63Cu29 + 7 D* --> 48Ti22 + 29Si14 + 96.753 MeV [30.411 MeV] (A_Cu:97)
63Cu29 + 7 D* --> 49Ti22 + 28Si14 + 96.422 MeV [30.080 MeV] (A_Cu:98)
63Cu29 + 7 D* --> 50V23 + 27Al13 + 92.789 MeV [26.447 MeV] (A_Cu:99)
63Cu29 + 7 D* --> 52Cr24 + 25Mg12 + 94.980 MeV [28.638 MeV] (A_Cu:100)
63Cu29 + 7 D* --> 53Cr24 + 24Mg12 + 95.589 MeV [29.247 MeV] (A_Cu:101)
63Cu29 + 7 D* --> 56Fe26 + 21Ne10 + 92.708 MeV [26.366 MeV] (A_Cu:102)
63Cu29 + 7 D* --> 57Fe26 + 20Ne10 + 93.593 MeV [27.251 MeV] (A_Cu:103)
63Cu29 + 7 D* --> 60Ni28 + 17O8 + 91.651 MeV [25.309 MeV] (A_Cu:104)
63Cu29 + 7 D* --> 61Ni28 + 16O8 + 95.328 MeV [28.986 MeV] (A_Cu:105)
63Cu29 + 7 D* --> 63Cu29 + 14N7 + 89.087 MeV [22.745 MeV] (A_Cu:106)
63Cu29 + 7 D* --> 64Zn30 + 13C6 + 89.249 MeV [22.907 MeV] (A_Cu:107)
63Cu29 + 7 D* --> 74Se34 + 3He2 + 83.652 MeV [17.310 MeV] (A_Cu:108)

63Cu29 + 8 D* --> 40Ar18 + 39K19 + 108.353 MeV [31.031 MeV] (A_Cu:109)
63Cu29 + 8 D* --> 41K19 + 38Ar18 + 109.780 MeV [32.458 MeV] (A_Cu:110)
63Cu29 + 8 D* --> 42Ca20 + 37Cl17 + 109.815 MeV [32.493 MeV] (A_Cu:111)
63Cu29 + 8 D* --> 44Ca20 + 35Cl17 + 109.988 MeV [32.666 MeV] (A_Cu:112)
63Cu29 + 8 D* --> 45Sc21 + 34S16 + 110.506 MeV [33.184 MeV] (A_Cu:113)
63Cu29 + 8 D* --> 48Ti22 + 31P15 + 112.435 MeV [35.113 MeV] (A_Cu:114)
63Cu29 + 8 D* --> 50V23 + 29Si14 + 110.623 MeV [33.301 MeV] (A_Cu:115)
63Cu29 + 8 D* --> 51V23 + 28Si14 + 113.200 MeV [35.879 MeV] (A_Cu:116)
63Cu29 + 8 D* --> 52Cr24 + 27Al13 + 112.120 MeV [34.798 MeV] (A_Cu:117)
63Cu29 + 8 D* --> 55Mn25 + 24Mg12 + 111.150 MeV [33.828 MeV] (A_Cu:118)
63Cu29 + 8 D* --> 56Fe26 + 23Na11 + 109.641 MeV [32.320 MeV] (A_Cu:119)
63Cu29 + 8 D* --> 59Co27 + 20Ne10 + 108.777 MeV [31.455 MeV] (A_Cu:120)
63Cu29 + 8 D* --> 60Ni28 + 19F9 + 105.466 MeV [28.144 MeV] (A_Cu:121)
63Cu29 + 8 D* --> 63Cu29 + 16O8 + 109.823 MeV [32.501 MeV] (A_Cu:122)
63Cu29 + 8 D* --> 64Zn30 + 15N7 + 105.408 MeV [28.086 MeV] (A_Cu:123)
63Cu29 + 8 D* --> 78Kr36 + 1H1 + 106.397 MeV [29.075 MeV] (A_Cu:124)

63Cu29 + 9 D* --> 41K19 + 40K19 + 121.736 MeV [33.075 MeV] (A_Cu:125)

63Cu29 + 9 D* --> 43Ca20 + 38Ar18 + 125.765 MeV [37.104 MeV] (A_Cu:126)
63Cu29 + 9 D* --> 47Ti22 + 34S16 + 127.506 MeV [38.845 MeV] (A_Cu:127)
63Cu29 + 9 D* --> 48Ti22 + 33S16 + 127.716 MeV [39.054 MeV] (A_Cu:128)
63Cu29 + 9 D* --> 49Ti22 + 32S16 + 127.216 MeV [38.555 MeV] (A_Cu:129)
63Cu29 + 9 D* --> 50V23 + 31P15 + 126.304 MeV [37.643 MeV] (A_Cu:130)
63Cu29 + 9 D* --> 52Cr24 + 29Si14 + 129.954 MeV [41.292 MeV] (A_Cu:131)
63Cu29 + 9 D* --> 53Cr24 + 28Si14 + 129.420 MeV [40.758 MeV] (A_Cu:132)
63Cu29 + 9 D* --> 56Fe26 + 25Mg12 + 126.440 MeV [37.779 MeV] (A_Cu:133)
63Cu29 + 9 D* --> 57Fe26 + 24Mg12 + 126.756 MeV [38.094 MeV] (A_Cu:134)
63Cu29 + 9 D* --> 60Ni28 + 21Ne10 + 122.846 MeV [34.184 MeV] (A_Cu:135)
63Cu29 + 9 D* --> 61Ni28 + 20Ne10 + 123.905 MeV [35.243 MeV] (A_Cu:136)
63Cu29 + 9 D* --> 64Zn30 + 17O8 + 119.454 MeV [30.793 MeV] (A_Cu:137)
63Cu29 + 9 D* --> 78Kr36 + 3He2 + 111.890 MeV [23.229 MeV] (A_Cu:138)

63Cu29 + 10 D* --> 42Ca20 + 41K19 + 139.884 MeV [39.528 MeV] (A_Cu:139)
63Cu29 + 10 D* --> 43Ca20 + 40K19 + 137.722 MeV [37.366 MeV] (A_Cu:140)
63Cu29 + 10 D* --> 44Ca20 + 39K19 + 141.053 MeV [40.697 MeV] (A_Cu:141)
63Cu29 + 10 D* --> 45Sc21 + 38Ar18 + 141.560 MeV [41.204 MeV] (A_Cu:142)
63Cu29 + 10 D* --> 46Ti22 + 37Cl17 + 141.663 MeV [41.307 MeV] (A_Cu:143)
63Cu29 + 10 D* --> 48Ti22 + 35Cl17 + 143.279 MeV [42.923 MeV] (A_Cu:144)
63Cu29 + 10 D* --> 50V23 + 33S16 + 141.585 MeV [41.229 MeV] (A_Cu:145)
63Cu29 + 10 D* --> 51V23 + 32S16 + 143.995 MeV [43.639 MeV] (A_Cu:146)
63Cu29 + 10 D* --> 52Cr24 + 31P15 + 145.636 MeV [45.279 MeV] (A_Cu:147)
63Cu29 + 10 D* --> 55Mn25 + 28Si14 + 144.981 MeV [44.625 MeV] (A_Cu:148)
63Cu29 + 10 D* --> 56Fe26 + 27Al13 + 143.580 MeV [43.224 MeV] (A_Cu:149)
63Cu29 + 10 D* --> 59Co27 + 24Mg12 + 141.940 MeV [41.584 MeV] (A_Cu:150)
63Cu29 + 10 D* --> 60Ni28 + 23Na11 + 139.780 MeV [39.424 MeV] (A_Cu:151)
63Cu29 + 10 D* --> 63Cu29 + 20Ne10 + 138.399 MeV [38.043 MeV] (A_Cu:152)
63Cu29 + 10 D* --> 64Zn30 + 19F9 + 133.269 MeV [32.913 MeV] (A_Cu:153)

63Cu29 + 11 D* --> 43Ca20 + 42Ca20 + 155.869 MeV [43.468 MeV] (A_Cu:154)
63Cu29 + 11 D* --> 45Sc21 + 40K19 + 153.516 MeV [41.115 MeV] (A_Cu:155)
63Cu29 + 11 D* --> 47Ti22 + 38Ar18 + 158.560 MeV [46.159 MeV] (A_Cu:156)
63Cu29 + 11 D* --> 49Ti22 + 36Ar18 + 157.704 MeV [45.303 MeV] (A_Cu:157)
63Cu29 + 11 D* --> 50V23 + 35Cl17 + 157.149 MeV [44.748 MeV] (A_Cu:158)
63Cu29 + 11 D* --> 52Cr24 + 33S16 + 160.916 MeV [48.515 MeV] (A_Cu:159)
63Cu29 + 11 D* --> 53Cr24 + 32S16 + 160.214 MeV [47.813 MeV] (A_Cu:160)
63Cu29 + 11 D* --> 56Fe26 + 29Si14 + 161.414 MeV [49.013 MeV] (A_Cu:161)
63Cu29 + 11 D* --> 57Fe26 + 28Si14 + 160.586 MeV [48.185 MeV] (A_Cu:162)
63Cu29 + 11 D* --> 60Ni28 + 25Mg12 + 156.578 MeV [44.177 MeV] (A_Cu:163)
63Cu29 + 11 D* --> 61Ni28 + 24Mg12 + 157.068 MeV [44.667 MeV] (A_Cu:164)
63Cu29 + 11 D* --> 64Zn30 + 21Ne10 + 150.649 MeV [38.248 MeV] (A_Cu:165)

63Cu29 + 12 D* --> 45Sc21 + 42Ca20 + 171.664 MeV [46.872 MeV] (A_Cu:166)
63Cu29 + 12 D* --> 46Ti22 + 41K19 + 171.732 MeV [46.939 MeV] (A_Cu:167)
63Cu29 + 12 D* --> 47Ti22 + 40K19 + 170.517 MeV [45.725 MeV] (A_Cu:168)
63Cu29 + 12 D* --> 48Ti22 + 39K19 + 174.344 MeV [49.552 MeV] (A_Cu:169)
63Cu29 + 12 D* --> 51V23 + 36Ar18 + 174.482 MeV [49.690 MeV] (A_Cu:170)
63Cu29 + 12 D* --> 50Cr24 + 37Cl17 + 174.070 MeV [49.278 MeV] (A_Cu:171)
63Cu29 + 12 D* --> 52Cr24 + 35Cl17 + 176.480 MeV [51.687 MeV] (A_Cu:172)
63Cu29 + 12 D* --> 55Mn25 + 32S16 + 175.775 MeV [50.983 MeV] (A_Cu:173)
63Cu29 + 12 D* --> 56Fe26 + 31P15 + 177.095 MeV [52.303 MeV] (A_Cu:174)
63Cu29 + 12 D* --> 59Co27 + 28Si14 + 175.770 MeV [50.978 MeV] (A_Cu:175)
63Cu29 + 12 D* --> 60Ni28 + 27Al13 + 173.718 MeV [48.926 MeV] (A_Cu:176)

63Cu29 + 12 D* --> 63Cu29 + 24Mg12 + 171.562 MeV [46.770 MeV] (A_Cu:177)
63Cu29 + 12 D* --> 64Zn30 + 23Na11 + 167.583 MeV [42.790 MeV] (A_Cu:178)

65Cu29 + D* --> 67Zn30 + 13.753 MeV [5.527 MeV] (A_Cu:179)

65Cu29 + 2 D* --> 46Ca20 + 23Na11 + 11.673 MeV [-5.179 MeV] (A_Cu:180)
65Cu29 + 2 D* --> 50Ti22 + 19F9 + 11.922 MeV [-4.930 MeV] (A_Cu:181)
65Cu29 + 2 D* --> 51V23 + 18O8 + 11.991 MeV [-4.861 MeV] (A_Cu:182)
65Cu29 + 2 D* --> 54Cr24 + 15N7 + 15.839 MeV [-1.013 MeV] (A_Cu:183)
65Cu29 + 2 D* --> 58Fe26 + 11B5 + 12.493 MeV [-4.359 MeV] (A_Cu:184)
65Cu29 + 2 D* --> 62Ni28 + 7Li3 + 10.846 MeV [-6.006 MeV] (A_Cu:185)
65Cu29 + 2 D* --> 65Cu29 + 4He2 + 23.847 MeV [6.994 MeV] (A_Cu:186)
65Cu29 + 2 D* --> 67Zn30 + 2H1 + 13.753 MeV [-3.100 MeV] (A_Cu:187)
65Cu29 + 2 D* --> 68Zn30 + 1H1 + 21.726 MeV [4.874 MeV] (A_Cu:188)
65Cu29 + 2 D* --> 69Ga31 + 28.336 MeV [11.483 MeV] (A_Cu:189)

65Cu29 + 3 D* --> 46Ca20 + 25Mg12 + 28.471 MeV [2.598 MeV] (A_Cu:190)
65Cu29 + 3 D* --> 49Ti22 + 22Ne10 + 28.727 MeV [2.854 MeV] (A_Cu:191)
65Cu29 + 3 D* --> 50Ti22 + 21Ne10 + 29.302 MeV [3.429 MeV] (A_Cu:192)
65Cu29 + 3 D* --> 53Cr24 + 18O8 + 28.210 MeV [2.337 MeV] (A_Cu:193)
65Cu29 + 3 D* --> 54Cr24 + 17O8 + 29.885 MeV [4.012 MeV] (A_Cu:194)
65Cu29 + 3 D* --> 58Fe26 + 13C6 + 31.172 MeV [5.299 MeV] (A_Cu:195)
65Cu29 + 3 D* --> 62Ni28 + 9Be4 + 27.542 MeV [1.669 MeV] (A_Cu:196)
65Cu29 + 3 D* --> 65Cu29 + 6Li3 + 25.320 MeV [-0.553 MeV] (A_Cu:197)
65Cu29 + 3 D* --> 67Zn30 + 4He2 + 37.599 MeV [11.726 MeV] (A_Cu:198)
65Cu29 + 3 D* --> 68Zn30 + 3He2 + 27.220 MeV [1.346 MeV] (A_Cu:199)
65Cu29 + 3 D* --> 69Ga31 + 2H1 + 28.336 MeV [2.462 MeV] (A_Cu:200)

65Cu29 + 4 D* --> 37Cl17 + 36S16 + 47.705 MeV [12.423 MeV] (A_Cu:201)
65Cu29 + 4 D* --> 46Ca20 + 27Al13 + 45.611 MeV [10.329 MeV] (A_Cu:202)
65Cu29 + 4 D* --> 50Ti22 + 23Na11 + 46.236 MeV [10.954 MeV] (A_Cu:203)
65Cu29 + 4 D* --> 51V23 + 22Ne10 + 45.505 MeV [10.223 MeV] (A_Cu:204)
65Cu29 + 4 D* --> 54Cr24 + 19F9 + 43.699 MeV [8.417 MeV] (A_Cu:205)
65Cu29 + 4 D* --> 55Mn25 + 18O8 + 43.771 MeV [8.489 MeV] (A_Cu:206)
65Cu29 + 4 D* --> 58Fe26 + 15N7 + 47.331 MeV [12.049 MeV] (A_Cu:207)
65Cu29 + 4 D* --> 62Ni28 + 11B5 + 43.357 MeV [8.075 MeV] (A_Cu:208)
65Cu29 + 4 D* --> 66Zn30 + 7Li3 + 39.271 MeV [3.988 MeV] (A_Cu:209)
65Cu29 + 4 D* --> 67Zn30 + 6Li3 + 39.073 MeV [3.791 MeV] (A_Cu:210)
65Cu29 + 4 D* --> 69Ga31 + 4He2 + 52.182 MeV [16.900 MeV] (A_Cu:211)
65Cu29 + 4 D* --> 72Ge32 + 1H1 + 50.576 MeV [15.294 MeV] (A_Cu:212)

65Cu29 + 5 D* --> 46Ca20 + 29Si14 + 63.445 MeV [18.372 MeV] (A_Cu:213)
65Cu29 + 5 D* --> 49Ti22 + 26Mg12 + 63.188 MeV [18.115 MeV] (A_Cu:214)
65Cu29 + 5 D* --> 50Ti22 + 25Mg12 + 63.034 MeV [17.961 MeV] (A_Cu:215)
65Cu29 + 5 D* --> 53Cr24 + 22Ne10 + 61.724 MeV [16.651 MeV] (A_Cu:216)
65Cu29 + 5 D* --> 54Cr24 + 21Ne10 + 61.079 MeV [16.006 MeV] (A_Cu:217)
65Cu29 + 5 D* --> 57Fe26 + 18O8 + 59.377 MeV [14.304 MeV] (A_Cu:218)
65Cu29 + 5 D* --> 58Fe26 + 17O8 + 61.377 MeV [16.304 MeV] (A_Cu:219)
65Cu29 + 5 D* --> 62Ni28 + 13C6 + 62.036 MeV [16.963 MeV] (A_Cu:220)
65Cu29 + 5 D* --> 65Cu29 + 10B5 + 53.628 MeV [8.555 MeV] (A_Cu:221)
65Cu29 + 5 D* --> 66Zn30 + 9Be4 + 55.967 MeV [10.894 MeV] (A_Cu:222)
65Cu29 + 5 D* --> 69Ga31 + 6Li3 + 53.656 MeV [8.583 MeV] (A_Cu:223)
65Cu29 + 5 D* --> 72Ge32 + 3He2 + 56.070 MeV [10.997 MeV] (A_Cu:224)

65Cu29 + 6 D* --> 40Ar18 + 37Cl17 + 78.352 MeV [23.112 MeV] (A_Cu:225)
65Cu29 + 6 D* --> 41K19 + 36S16 + 77.774 MeV [22.534 MeV] (A_Cu:226)
65Cu29 + 6 D* --> 46Ca20 + 31P15 + 79.127 MeV [23.887 MeV] (A_Cu:227)
65Cu29 + 6 D* --> 50Ti22 + 27Al13 + 80.174 MeV [24.934 MeV] (A_Cu:228)
65Cu29 + 6 D* --> 51V23 + 26Mg12 + 79.967 MeV [24.727 MeV] (A_Cu:229)
65Cu29 + 6 D* --> 54Cr24 + 23Na11 + 78.013 MeV [22.773 MeV] (A_Cu:230)
65Cu29 + 6 D* --> 55Mn25 + 22Ne10 + 77.286 MeV [22.046 MeV] (A_Cu:231)
65Cu29 + 6 D* --> 58Fe26 + 19F9 + 75.191 MeV [19.952 MeV] (A_Cu:232)
65Cu29 + 6 D* --> 59Co27 + 18O8 + 74.561 MeV [19.321 MeV] (A_Cu:233)
65Cu29 + 6 D* --> 62Ni28 + 15N7 + 78.195 MeV [22.955 MeV] (A_Cu:234)
65Cu29 + 6 D* --> 65Cu29 + 12C6 + 78.814 MeV [23.574 MeV] (A_Cu:235)
65Cu29 + 6 D* --> 66Zn30 + 11B5 + 71.782 MeV [16.542 MeV] (A_Cu:236)
65Cu29 + 6 D* --> 67Zn30 + 10B5 + 67.380 MeV [12.141 MeV] (A_Cu:237)
65Cu29 + 6 D* --> 70Ge32 + 7Li3 + 67.206 MeV [11.966 MeV] (A_Cu:238)
65Cu29 + 6 D* --> 76Se34 + 1H1 + 79.514 MeV [24.274 MeV] (A_Cu:239)

65Cu29 + 7 D* --> 43Ca20 + 36S16 + 93.759 MeV [27.982 MeV] (A_Cu:240)
65Cu29 + 7 D* --> 46Ca20 + 33S16 + 94.407 MeV [28.630 MeV] (A_Cu:241)
65Cu29 + 7 D* --> 49Ti22 + 30Si14 + 97.678 MeV [31.901 MeV] (A_Cu:242)
65Cu29 + 7 D* --> 50Ti22 + 29Si14 + 98.008 MeV [32.231 MeV] (A_Cu:243)
65Cu29 + 7 D* --> 53Cr24 + 26Mg12 + 96.186 MeV [30.408 MeV] (A_Cu:244)
65Cu29 + 7 D* --> 54Cr24 + 25Mg12 + 94.812 MeV [29.034 MeV] (A_Cu:245)
65Cu29 + 7 D* --> 57Fe26 + 22Ne10 + 92.891 MeV [27.114 MeV] (A_Cu:246)
65Cu29 + 7 D* --> 58Fe26 + 21Ne10 + 92.572 MeV [26.794 MeV] (A_Cu:247)
65Cu29 + 7 D* --> 61Ni28 + 18O8 + 89.689 MeV [23.911 MeV] (A_Cu:248)
65Cu29 + 7 D* --> 62Ni28 + 17O8 + 92.241 MeV [26.464 MeV] (A_Cu:249)
65Cu29 + 7 D* --> 65Cu29 + 14N7 + 89.087 MeV [23.309 MeV] (A_Cu:250)
65Cu29 + 7 D* --> 66Zn30 + 13C6 + 90.461 MeV [24.683 MeV] (A_Cu:251)
65Cu29 + 7 D* --> 67Zn30 + 12C6 + 92.567 MeV [26.790 MeV] (A_Cu:252)
65Cu29 + 7 D* --> 69Ga31 + 10B5 + 81.963 MeV [16.186 MeV] (A_Cu:253)
65Cu29 + 7 D* --> 70Ge32 + 9Be4 + 83.902 MeV [18.125 MeV] (A_Cu:254)
65Cu29 + 7 D* --> 76Se34 + 3He2 + 85.007 MeV [19.230 MeV] (A_Cu:255)

65Cu29 + 8 D* --> 41K19 + 40Ar18 + 108.421 MeV [31.741 MeV] (A_Cu:256)
65Cu29 + 8 D* --> 44Ca20 + 37Cl17 + 111.052 MeV [34.372 MeV] (A_Cu:257)
65Cu29 + 8 D* --> 46Ca20 + 35Cl17 + 109.971 MeV [33.291 MeV] (A_Cu:258)
65Cu29 + 8 D* --> 45Sc21 + 36S16 + 109.554 MeV [32.874 MeV] (A_Cu:259)
65Cu29 + 8 D* --> 50Ti22 + 31P15 + 113.690 MeV [37.009 MeV] (A_Cu:260)
65Cu29 + 8 D* --> 51V23 + 30Si14 + 114.456 MeV [37.776 MeV] (A_Cu:261)
65Cu29 + 8 D* --> 54Cr24 + 27Al13 + 111.951 MeV [35.271 MeV] (A_Cu:262)
65Cu29 + 8 D* --> 55Mn25 + 26Mg12 + 111.747 MeV [35.067 MeV] (A_Cu:263)
65Cu29 + 8 D* --> 58Fe26 + 23Na11 + 109.505 MeV [32.825 MeV] (A_Cu:264)
65Cu29 + 8 D* --> 59Co27 + 22Ne10 + 108.075 MeV [31.395 MeV] (A_Cu:265)
65Cu29 + 8 D* --> 62Ni28 + 19F9 + 106.056 MeV [29.375 MeV] (A_Cu:266)
65Cu29 + 8 D* --> 63Cu29 + 18O8 + 104.183 MeV [27.503 MeV] (A_Cu:267)
65Cu29 + 8 D* --> 65Cu29 + 16O8 + 109.823 MeV [33.143 MeV] (A_Cu:268)
65Cu29 + 8 D* --> 66Zn30 + 15N7 + 106.620 MeV [29.940 MeV] (A_Cu:269)
65Cu29 + 8 D* --> 67Zn30 + 14N7 + 102.839 MeV [26.159 MeV] (A_Cu:270)
65Cu29 + 8 D* --> 69Ga31 + 12C6 + 107.150 MeV [30.470 MeV] (A_Cu:271)
65Cu29 + 8 D* --> 70Ge32 + 11B5 + 99.717 MeV [23.037 MeV] (A_Cu:272)
65Cu29 + 8 D* --> 74Se34 + 7Li3 + 95.127 MeV [18.446 MeV] (A_Cu:273)
65Cu29 + 8 D* --> 80Kr36 + 1H1 + 108.426 MeV [31.745 MeV] (A_Cu:274)

65Cu29 + 9 D* --> 43Ca20 + 40Ar18 + 124.406 MeV [36.463 MeV] (A_Cu:275)

65Cu29 + 9 D* --> 47Ti22 + 36S16 + 126.554 MeV [38.611 MeV] (A_Cu:276)
65Cu29 + 9 D* --> 49Ti22 + 34S16 + 129.448 MeV [41.505 MeV] (A_Cu:277)
65Cu29 + 9 D* --> 50Ti22 + 33S16 + 128.971 MeV [41.027 MeV] (A_Cu:278)
65Cu29 + 9 D* --> 53Cr24 + 30Si14 + 130.676 MeV [42.732 MeV] (A_Cu:279)
65Cu29 + 9 D* --> 54Cr24 + 29Si14 + 129.785 MeV [41.842 MeV] (A_Cu:280)
65Cu29 + 9 D* --> 57Fe26 + 26Mg12 + 127.353 MeV [39.409 MeV] (A_Cu:281)
65Cu29 + 9 D* --> 58Fe26 + 25Mg12 + 126.304 MeV [38.361 MeV] (A_Cu:282)
65Cu29 + 9 D* --> 61Ni28 + 22Ne10 + 123.203 MeV [35.260 MeV] (A_Cu:283)
65Cu29 + 9 D* --> 62Ni28 + 21Ne10 + 123.436 MeV [35.492 MeV] (A_Cu:284)
65Cu29 + 9 D* --> 66Zn30 + 17O8 + 120.666 MeV [32.723 MeV] (A_Cu:285)
65Cu29 + 9 D* --> 67Zn30 + 16O8 + 123.575 MeV [35.632 MeV] (A_Cu:286)
65Cu29 + 9 D* --> 69Ga31 + 14N7 + 117.422 MeV [29.479 MeV] (A_Cu:287)
65Cu29 + 9 D* --> 70Ge32 + 13C6 + 118.396 MeV [30.452 MeV] (A_Cu:288)
65Cu29 + 9 D* --> 74Se34 + 9Be4 + 111.823 MeV [23.879 MeV] (A_Cu:289)
65Cu29 + 9 D* --> 80Kr36 + 3He2 + 113.919 MeV [25.976 MeV] (A_Cu:290)

65Cu29 + 10 D* --> 44Ca20 + 41K19 + 141.121 MeV [41.558 MeV] (A_Cu:291)
65Cu29 + 10 D* --> 46Ca20 + 39K19 + 141.036 MeV [41.473 MeV] (A_Cu:292)
65Cu29 + 10 D* --> 45Sc21 + 40Ar18 + 140.201 MeV [40.639 MeV] (A_Cu:293)
65Cu29 + 10 D* --> 48Ti22 + 37Cl17 + 144.343 MeV [44.780 MeV] (A_Cu:294)
65Cu29 + 10 D* --> 50Ti22 + 35Cl17 + 144.534 MeV [44.971 MeV] (A_Cu:295)
65Cu29 + 10 D* --> 51V23 + 34S16 + 146.227 MeV [46.664 MeV] (A_Cu:296)
65Cu29 + 10 D* --> 54Cr24 + 31P15 + 145.467 MeV [45.904 MeV] (A_Cu:297)
65Cu29 + 10 D* --> 55Mn25 + 30Si14 + 146.237 MeV [46.674 MeV] (A_Cu:298)
65Cu29 + 10 D* --> 58Fe26 + 27Al13 + 143.444 MeV [43.881 MeV] (A_Cu:299)
65Cu29 + 10 D* --> 59Co27 + 26Mg12 + 142.537 MeV [42.974 MeV] (A_Cu:300)
65Cu29 + 10 D* --> 62Ni28 + 23Na11 + 140.370 MeV [40.807 MeV] (A_Cu:301)
65Cu29 + 10 D* --> 63Cu29 + 22Ne10 + 137.698 MeV [38.135 MeV] (A_Cu:302)
65Cu29 + 10 D* --> 65Cu29 + 20Ne10 + 138.399 MeV [38.837 MeV] (A_Cu:303)
65Cu29 + 10 D* --> 66Zn30 + 19F9 + 134.480 MeV [34.918 MeV] (A_Cu:304)
65Cu29 + 10 D* --> 69Ga31 + 16O8 + 138.158 MeV [38.596 MeV] (A_Cu:305)
65Cu29 + 10 D* --> 70Ge32 + 15N7 + 134.555 MeV [34.993 MeV] (A_Cu:306)
65Cu29 + 10 D* --> 74Se34 + 11B5 + 127.638 MeV [28.076 MeV] (A_Cu:307)
65Cu29 + 10 D* --> 78Kr36 + 7Li3 + 123.365 MeV [23.802 MeV] (A_Cu:308)
65Cu29 + 10 D* --> 84Sr38 + 1H1 + 137.448 MeV [37.886 MeV] (A_Cu:309)

65Cu29 + 11 D* --> 44Ca20 + 43Ca20 + 157.106 MeV [45.573 MeV] (A_Cu:310)
65Cu29 + 11 D* --> 47Ti22 + 40Ar18 + 157.202 MeV [45.669 MeV] (A_Cu:311)
65Cu29 + 11 D* --> 49Ti22 + 38Ar18 + 160.503 MeV [48.970 MeV] (A_Cu:312)
65Cu29 + 11 D* --> 50V23 + 37Cl17 + 158.212 MeV [46.679 MeV] (A_Cu:313)
65Cu29 + 11 D* --> 53Cr24 + 34S16 + 162.446 MeV [50.913 MeV] (A_Cu:314)
65Cu29 + 11 D* --> 54Cr24 + 33S16 + 160.748 MeV [49.215 MeV] (A_Cu:315)
65Cu29 + 11 D* --> 57Fe26 + 30Si14 + 161.842 MeV [50.309 MeV] (A_Cu:316)
65Cu29 + 11 D* --> 58Fe26 + 29Si14 + 161.278 MeV [49.745 MeV] (A_Cu:317)
65Cu29 + 11 D* --> 61Ni28 + 26Mg12 + 157.665 MeV [46.132 MeV] (A_Cu:318)
65Cu29 + 11 D* --> 62Ni28 + 25Mg12 + 157.168 MeV [45.635 MeV] (A_Cu:319)
65Cu29 + 11 D* --> 66Zn30 + 21Ne10 + 151.860 MeV [40.327 MeV] (A_Cu:320)
65Cu29 + 11 D* --> 67Zn30 + 20Ne10 + 152.152 MeV [40.619 MeV] (A_Cu:321)
65Cu29 + 11 D* --> 70Ge32 + 17O8 + 148.601 MeV [37.068 MeV] (A_Cu:322)
65Cu29 + 11 D* --> 74Se34 + 13C6 + 146.317 MeV [34.784 MeV] (A_Cu:323)
65Cu29 + 11 D* --> 78Kr36 + 9Be4 + 140.061 MeV [28.528 MeV] (A_Cu:324)
65Cu29 + 11 D* --> 84Sr38 + 3He2 + 142.942 MeV [31.409 MeV] (A_Cu:325)

65Cu29 + 12 D* --> 45Sc21 + 44Ca20 + 172.901 MeV [49.051 MeV] (A_Cu:326)

65Cu29 + 12 D* --> 48Ti22 + 41K19 + 174.412 MeV [50.562 MeV] (A_Cu:327)
65Cu29 + 12 D* --> 49Ti22 + 40K19 + 172.459 MeV [48.609 MeV] (A_Cu:328)
65Cu29 + 12 D* --> 50Ti22 + 39K19 + 175.599 MeV [51.748 MeV] (A_Cu:329)
65Cu29 + 12 D* --> 51V23 + 38Ar18 + 177.281 MeV [53.431 MeV] (A_Cu:330)
65Cu29 + 12 D* --> 52Cr24 + 37Cl17 + 177.543 MeV [53.693 MeV] (A_Cu:331)
65Cu29 + 12 D* --> 54Cr24 + 35Cl17 + 176.311 MeV [52.461 MeV] (A_Cu:332)
65Cu29 + 12 D* --> 55Mn25 + 34S16 + 178.007 MeV [54.157 MeV] (A_Cu:333)
65Cu29 + 12 D* --> 58Fe26 + 31P15 + 176.959 MeV [53.109 MeV] (A_Cu:334)
65Cu29 + 12 D* --> 59Co27 + 30Si14 + 177.026 MeV [53.176 MeV] (A_Cu:335)
65Cu29 + 12 D* --> 62Ni28 + 27Al13 + 174.308 MeV [50.457 MeV] (A_Cu:336)
65Cu29 + 12 D* --> 63Cu29 + 26Mg12 + 172.159 MeV [48.309 MeV] (A_Cu:337)
65Cu29 + 12 D* --> 65Cu29 + 24Mg12 + 171.562 MeV [47.712 MeV] (A_Cu:338)
65Cu29 + 12 D* --> 66Zn30 + 23Na11 + 168.794 MeV [44.944 MeV] (A_Cu:339)
65Cu29 + 12 D* --> 69Ga31 + 20Ne10 + 166.735 MeV [42.884 MeV] (A_Cu:340)
65Cu29 + 12 D* --> 70Ge32 + 19F9 + 162.415 MeV [38.565 MeV] (A_Cu:341)
65Cu29 + 12 D* --> 74Se34 + 15N7 + 162.476 MeV [38.626 MeV] (A_Cu:342)
65Cu29 + 12 D* --> 78Kr36 + 11B5 + 155.877 MeV [32.027 MeV] (A_Cu:343)

---------- Equations follow for Zinc, Zn, element 30 ----------

64Zn30 + D* --> 37Cl17 + 29Si14 + 00.789 MeV [-7.763 MeV] (A_Zn:1)
64Zn30 + D* --> 50V23 + 16O8 + 1.091 MeV [-7.461 MeV] (A_Zn:2)

64Zn30 + 2 D* --> 34S16 + 34S16 + 20.131 MeV [2.633 MeV] (A_Zn:3)
64Zn30 + 2 D* --> 36S16 + 32S16 + 16.948 MeV [-0.551 MeV] (A_Zn:4)
64Zn30 + 2 D* --> 37Cl17 + 31P15 + 16.470 MeV [-1.029 MeV] (A_Zn:5)
64Zn30 + 2 D* --> 38Ar18 + 30Si14 + 19.415 MeV [1.917 MeV] (A_Zn:6)
64Zn30 + 2 D* --> 40Ar18 + 28Si14 + 16.801 MeV [-0.698 MeV] (A_Zn:7)
64Zn30 + 2 D* --> 41K19 + 27Al13 + 13.024 MeV [-4.475 MeV] (A_Zn:8)
64Zn30 + 2 D* --> 42Ca20 + 26Mg12 + 15.030 MeV [-2.469 MeV] (A_Zn:9)
64Zn30 + 2 D* --> 43Ca20 + 25Mg12 + 11.869 MeV [-5.629 MeV] (A_Zn:10)
64Zn30 + 2 D* --> 44Ca20 + 24Mg12 + 15.670 MeV [-1.829 MeV] (A_Zn:11)
64Zn30 + 2 D* --> 45Sc21 + 23Na11 + 10.865 MeV [-6.633 MeV] (A_Zn:12)
64Zn30 + 2 D* --> 46Ti22 + 22Ne10 + 12.416 MeV [-5.083 MeV] (A_Zn:13)
64Zn30 + 2 D* --> 47Ti22 + 21Ne10 + 10.932 MeV [-6.567 MeV] (A_Zn:14)
64Zn30 + 2 D* --> 48Ti22 + 20Ne10 + 15.798 MeV [-1.701 MeV] (A_Zn:15)
64Zn30 + 2 D* --> 50Cr24 + 18O8 + 11.309 MeV [-6.190 MeV] (A_Zn:16)
64Zn30 + 2 D* --> 52Cr24 + 16O8 + 20.422 MeV [2.923 MeV] (A_Zn:17)
64Zn30 + 2 D* --> 56Fe26 + 12C6 + 20.873 MeV [3.374 MeV] (A_Zn:18)
64Zn30 + 2 D* --> 64Zn30 + 4He2 + 23.847 MeV [6.348 MeV] (A_Zn:19)

64Zn30 + 3 D* --> 37Cl17 + 33S16 + 31.751 MeV [4.917 MeV] (A_Zn:20)
64Zn30 + 3 D* --> 40K19 + 30Si14 + 31.372 MeV [4.537 MeV] (A_Zn:21)
64Zn30 + 3 D* --> 41K19 + 29Si14 + 30.858 MeV [4.023 MeV] (A_Zn:22)
64Zn30 + 3 D* --> 43Ca20 + 27Al13 + 29.009 MeV [2.175 MeV] (A_Zn:23)
64Zn30 + 3 D* --> 45Sc21 + 25Mg12 + 27.664 MeV [00.830 MeV] (A_Zn:24)
64Zn30 + 3 D* --> 47Ti22 + 23Na11 + 27.866 MeV [1.031 MeV] (A_Zn:25)
64Zn30 + 3 D* --> 50V23 + 20Ne10 + 29.667 MeV [2.833 MeV] (A_Zn:26)
64Zn30 + 3 D* --> 56Fe26 + 14N7 + 31.146 MeV [4.311 MeV] (A_Zn:27)
64Zn30 + 3 D* --> 60Ni28 + 10B5 + 25.825 MeV [-1.009 MeV] (A_Zn:28)
64Zn30 + 3 D* --> 64Zn30 + 6Li3 + 25.320 MeV [-1.514 MeV] (A_Zn:29)

64Zn30 + 4 D* --> 36S16 + 36Ar18 + 47.435 MeV [10.883 MeV] (A_Zn:30)
64Zn30 + 4 D* --> 37Cl17 + 35Cl17 + 47.314 MeV [10.762 MeV] (A_Zn:31)

64Zn30 + 4 D* --> 36Ar18 + 36S16 + 47.435 MeV [10.883 MeV] (A_Zn:32)
64Zn30 + 4 D* --> 38Ar18 + 34S16 + 51.186 MeV [14.633 MeV] (A_Zn:33)
64Zn30 + 4 D* --> 40Ar18 + 32S16 + 47.595 MeV [11.043 MeV] (A_Zn:34)
64Zn30 + 4 D* --> 41K19 + 31P15 + 46.539 MeV [9.987 MeV] (A_Zn:35)
64Zn30 + 4 D* --> 42Ca20 + 30Si14 + 49.519 MeV [12.967 MeV] (A_Zn:36)
64Zn30 + 4 D* --> 43Ca20 + 29Si14 + 46.843 MeV [10.291 MeV] (A_Zn:37)
64Zn30 + 4 D* --> 44Ca20 + 28Si14 + 49.501 MeV [12.948 MeV] (A_Zn:38)
64Zn30 + 4 D* --> 45Sc21 + 27Al13 + 44.804 MeV [8.251 MeV] (A_Zn:39)
64Zn30 + 4 D* --> 46Ti22 + 26Mg12 + 46.877 MeV [10.325 MeV] (A_Zn:40)
64Zn30 + 4 D* --> 47Ti22 + 25Mg12 + 44.665 MeV [8.112 MeV] (A_Zn:41)
64Zn30 + 4 D* --> 48Ti22 + 24Mg12 + 48.961 MeV [12.408 MeV] (A_Zn:42)
64Zn30 + 4 D* --> 50Cr24 + 22Ne10 + 44.824 MeV [8.271 MeV] (A_Zn:43)
64Zn30 + 4 D* --> 52Cr24 + 20Ne10 + 48.998 MeV [12.446 MeV] (A_Zn:44)
64Zn30 + 4 D* --> 54Fe26 + 18O8 + 43.573 MeV [7.021 MeV] (A_Zn:45)
64Zn30 + 4 D* --> 56Fe26 + 16O8 + 51.882 MeV [15.329 MeV] (A_Zn:46)
64Zn30 + 4 D* --> 60Ni28 + 12C6 + 51.011 MeV [14.459 MeV] (A_Zn:47)

64Zn30 + 5 D* --> 40K19 + 34S16 + 63.142 MeV [16.495 MeV] (A_Zn:48)
64Zn30 + 5 D* --> 41K19 + 33S16 + 61.820 MeV [15.173 MeV] (A_Zn:49)
64Zn30 + 5 D* --> 43Ca20 + 31P15 + 62.525 MeV [15.877 MeV] (A_Zn:50)
64Zn30 + 5 D* --> 45Sc21 + 29Si14 + 62.638 MeV [15.991 MeV] (A_Zn:51)
64Zn30 + 5 D* --> 47Ti22 + 27Al13 + 61.804 MeV [15.157 MeV] (A_Zn:52)
64Zn30 + 5 D* --> 50V23 + 24Mg12 + 62.830 MeV [16.183 MeV] (A_Zn:53)
64Zn30 + 5 D* --> 60Ni28 + 14N7 + 61.284 MeV [14.637 MeV] (A_Zn:54)
64Zn30 + 5 D* --> 64Zn30 + 10B5 + 53.628 MeV [6.981 MeV] (A_Zn:55)

64Zn30 + 6 D* --> 38Ar18 + 38Ar18 + 82.240 MeV [25.127 MeV] (A_Zn:56)
64Zn30 + 6 D* --> 40Ar18 + 36Ar18 + 78.082 MeV [20.969 MeV] (A_Zn:57)
64Zn30 + 6 D* --> 39K19 + 37Cl17 + 78.379 MeV [21.266 MeV] (A_Zn:58)
64Zn30 + 6 D* --> 41K19 + 35Cl17 + 77.383 MeV [20.270 MeV] (A_Zn:59)
64Zn30 + 6 D* --> 40Ca20 + 36S16 + 78.321 MeV [21.208 MeV] (A_Zn:60)
64Zn30 + 6 D* --> 42Ca20 + 34S16 + 81.290 MeV [24.177 MeV] (A_Zn:61)
64Zn30 + 6 D* --> 43Ca20 + 33S16 + 77.805 MeV [20.693 MeV] (A_Zn:62)
64Zn30 + 6 D* --> 44Ca20 + 32S16 + 80.295 MeV [23.182 MeV] (A_Zn:63)
64Zn30 + 6 D* --> 45Sc21 + 31P15 + 78.319 MeV [21.207 MeV] (A_Zn:64)
64Zn30 + 6 D* --> 46Ti22 + 30Si14 + 81.367 MeV [24.254 MeV] (A_Zn:65)
64Zn30 + 6 D* --> 47Ti22 + 29Si14 + 79.638 MeV [22.525 MeV] (A_Zn:66)
64Zn30 + 6 D* --> 48Ti22 + 28Si14 + 82.791 MeV [25.678 MeV] (A_Zn:67)
64Zn30 + 6 D* --> 50Cr24 + 26Mg12 + 79.285 MeV [22.172 MeV] (A_Zn:68)
64Zn30 + 6 D* --> 52Cr24 + 24Mg12 + 82.161 MeV [25.048 MeV] (A_Zn:69)
64Zn30 + 6 D* --> 54Fe26 + 22Ne10 + 77.088 MeV [19.975 MeV] (A_Zn:70)
64Zn30 + 6 D* --> 56Fe26 + 20Ne10 + 80.458 MeV [23.345 MeV] (A_Zn:71)
64Zn30 + 6 D* --> 58Ni28 + 18O8 + 73.820 MeV [16.707 MeV] (A_Zn:72)
64Zn30 + 6 D* --> 60Ni28 + 16O8 + 82.020 MeV [24.907 MeV] (A_Zn:73)
64Zn30 + 6 D* --> 64Zn30 + 12C6 + 78.814 MeV [21.701 MeV] (A_Zn:74)

64Zn30 + 7 D* --> 40K19 + 38Ar18 + 94.196 MeV [26.252 MeV] (A_Zn:75)
64Zn30 + 7 D* --> 43Ca20 + 35Cl17 + 93.369 MeV [25.424 MeV] (A_Zn:76)
64Zn30 + 7 D* --> 45Sc21 + 33S16 + 93.600 MeV [25.656 MeV] (A_Zn:77)
64Zn30 + 7 D* --> 47Ti22 + 31P15 + 95.320 MeV [27.375 MeV] (A_Zn:78)
64Zn30 + 7 D* --> 50V23 + 28Si14 + 96.661 MeV [28.716 MeV] (A_Zn:79)
64Zn30 + 7 D* --> 64Zn30 + 14N7 + 89.087 MeV [21.142 MeV] (A_Zn:80)

64Zn30 + 8 D* --> 40Ar18 + 40Ca20 + 108.968 MeV [29.831 MeV] (A_Zn:81)

64Zn30 + 8 D* --> 40K19 + 40K19 + 106.153 MeV [27.015 MeV] (A_Zn:82)
64Zn30 + 8 D* --> 41K19 + 39K19 + 108.448 MeV [29.311 MeV] (A_Zn:83)
64Zn30 + 8 D* --> 40Ca20 + 40Ar18 + 108.968 MeV [29.831 MeV] (A_Zn:84)
64Zn30 + 8 D* --> 42Ca20 + 38Ar18 + 112.344 MeV [33.207 MeV] (A_Zn:85)
64Zn30 + 8 D* --> 44Ca20 + 36Ar18 + 110.782 MeV [31.645 MeV] (A_Zn:86)
64Zn30 + 8 D* --> 45Sc21 + 35Cl17 + 109.164 MeV [30.026 MeV] (A_Zn:87)
64Zn30 + 8 D* --> 46Ti22 + 34S16 + 113.137 MeV [34.000 MeV] (A_Zn:88)
64Zn30 + 8 D* --> 47Ti22 + 33S16 + 110.601 MeV [31.463 MeV] (A_Zn:89)
64Zn30 + 8 D* --> 48Ti22 + 32S16 + 113.586 MeV [34.448 MeV] (A_Zn:90)
64Zn30 + 8 D* --> 50Cr24 + 30Si14 + 113.775 MeV [34.637 MeV] (A_Zn:91)
64Zn30 + 8 D* --> 52Cr24 + 28Si14 + 115.992 MeV [36.855 MeV] (A_Zn:92)
64Zn30 + 8 D* --> 54Fe26 + 26Mg12 + 111.549 MeV [32.412 MeV] (A_Zn:93)
64Zn30 + 8 D* --> 56Fe26 + 24Mg12 + 113.621 MeV [34.484 MeV] (A_Zn:94)
64Zn30 + 8 D* --> 58Ni28 + 22Ne10 + 107.335 MeV [28.197 MeV] (A_Zn:95)
64Zn30 + 8 D* --> 60Ni28 + 20Ne10 + 110.596 MeV [31.459 MeV] (A_Zn:96)
64Zn30 + 8 D* --> 64Zn30 + 16O8 + 109.823 MeV [30.686 MeV] (A_Zn:97)

64Zn30 + 9 D* --> 42Ca20 + 40K19 + 124.300 MeV [33.614 MeV] (A_Zn:98)
64Zn30 + 9 D* --> 43Ca20 + 39K19 + 124.434 MeV [33.747 MeV] (A_Zn:99)
64Zn30 + 9 D* --> 47Ti22 + 35Cl17 + 126.164 MeV [35.478 MeV] (A_Zn:100)
64Zn30 + 9 D* --> 50V23 + 32S16 + 127.455 MeV [36.769 MeV] (A_Zn:101)

64Zn30 + 10 D* --> 42Ca20 + 42Ca20 + 142.448 MeV [39.861 MeV] (A_Zn:102)
64Zn30 + 10 D* --> 44Ca20 + 40Ca20 + 141.668 MeV [39.082 MeV] (A_Zn:103)
64Zn30 + 10 D* --> 45Sc21 + 39K19 + 140.228 MeV [37.642 MeV] (A_Zn:104)
64Zn30 + 10 D* --> 46Ti22 + 38Ar18 + 144.192 MeV [41.605 MeV] (A_Zn:105)
64Zn30 + 10 D* --> 48Ti22 + 36Ar18 + 144.073 MeV [41.486 MeV] (A_Zn:106)
64Zn30 + 10 D* --> 50Cr24 + 34S16 + 145.545 MeV [42.958 MeV] (A_Zn:107)
64Zn30 + 10 D* --> 52Cr24 + 32S16 + 146.786 MeV [44.200 MeV] (A_Zn:108)
64Zn30 + 10 D* --> 54Fe26 + 30Si14 + 146.039 MeV [43.452 MeV] (A_Zn:109)
64Zn30 + 10 D* --> 56Fe26 + 28Si14 + 147.452 MeV [44.865 MeV] (A_Zn:110)
64Zn30 + 10 D* --> 58Ni28 + 26Mg12 + 141.796 MeV [39.209 MeV] (A_Zn:111)
64Zn30 + 10 D* --> 60Ni28 + 24Mg12 + 143.759 MeV [41.173 MeV] (A_Zn:112)
64Zn30 + 10 D* --> 64Zn30 + 20Ne10 + 138.399 MeV [35.813 MeV] (A_Zn:113)

64Zn30 + 11 D* --> 46Ti22 + 40K19 + 156.148 MeV [41.313 MeV] (A_Zn:114)
64Zn30 + 11 D* --> 47Ti22 + 39K19 + 157.229 MeV [42.394 MeV] (A_Zn:115)
64Zn30 + 11 D* --> 50V23 + 36Ar18 + 157.942 MeV [43.108 MeV] (A_Zn:116)

64Zn30 + 12 D* --> 46Ti22 + 42Ca20 + 174.296 MeV [46.870 MeV] (A_Zn:117)
64Zn30 + 12 D* --> 48Ti22 + 40Ca20 + 174.959 MeV [47.533 MeV] (A_Zn:118)
64Zn30 + 12 D* --> 50Cr24 + 38Ar18 + 176.599 MeV [49.174 MeV] (A_Zn:119)
64Zn30 + 12 D* --> 52Cr24 + 36Ar18 + 177.274 MeV [49.848 MeV] (A_Zn:120)
64Zn30 + 12 D* --> 54Fe26 + 34S16 + 177.809 MeV [50.384 MeV] (A_Zn:121)
64Zn30 + 12 D* --> 56Fe26 + 32S16 + 178.246 MeV [50.821 MeV] (A_Zn:122)
64Zn30 + 12 D* --> 58Ni28 + 30Si14 + 176.286 MeV [48.860 MeV] (A_Zn:123)
64Zn30 + 12 D* --> 60Ni28 + 28Si14 + 177.590 MeV [50.164 MeV] (A_Zn:124)
64Zn30 + 12 D* --> 64Zn30 + 24Mg12 + 171.562 MeV [44.137 MeV] (A_Zn:125)

66Zn30 + D* --> 67Zn30 + 1H1 + 4.828 MeV [-3.639 MeV] (A_Zn:126)

66Zn30 + 2 D* --> 36S16 + 34S16 + 17.968 MeV [00.637 MeV] (A_Zn:127)
66Zn30 + 2 D* --> 40Ar18 + 30Si14 + 16.845 MeV [-0.486 MeV] (A_Zn:128)
66Zn30 + 2 D* --> 44Ca20 + 26Mg12 + 15.055 MeV [-2.275 MeV] (A_Zn:129)

66Zn30 + 2 D* --> 46Ca20 + 24Mg12 + 14.441 MeV [-2.890 MeV] (A_Zn:130)
66Zn30 + 2 D* --> 48Ti22 + 22Ne10 + 13.884 MeV [-3.446 MeV] (A_Zn:131)
66Zn30 + 2 D* --> 49Ti22 + 21Ne10 + 11.663 MeV [-5.668 MeV] (A_Zn:132)
66Zn30 + 2 D* --> 50Ti22 + 20Ne10 + 15.841 MeV [-1.490 MeV] (A_Zn:133)
66Zn30 + 2 D* --> 51V23 + 19F9 + 11.061 MeV [-6.270 MeV] (A_Zn:134)
66Zn30 + 2 D* --> 52Cr24 + 18O8 + 13.570 MeV [-3.760 MeV] (A_Zn:135)
66Zn30 + 2 D* --> 53Cr24 + 17O8 + 13.466 MeV [-3.865 MeV] (A_Zn:136)
66Zn30 + 2 D* --> 54Cr24 + 16O8 + 19.042 MeV [1.711 MeV] (A_Zn:137)
66Zn30 + 2 D* --> 55Mn25 + 15N7 + 14.981 MeV [-2.349 MeV] (A_Zn:138)
66Zn30 + 2 D* --> 57Fe26 + 13C6 + 14.427 MeV [-2.903 MeV] (A_Zn:139)
66Zn30 + 2 D* --> 58Fe26 + 12C6 + 19.525 MeV [2.195 MeV] (A_Zn:140)
66Zn30 + 2 D* --> 59Co27 + 11B5 + 10.932 MeV [-6.398 MeV] (A_Zn:141)
66Zn30 + 2 D* --> 61Ni28 + 9Be4 + 10.245 MeV [-7.085 MeV] (A_Zn:142)
66Zn30 + 2 D* --> 63Cu29 + 7Li3 + 8.043 MeV [-9.287 MeV] (A_Zn:143)
66Zn30 + 2 D* --> 66Zn30 + 4He2 + 23.847 MeV [6.516 MeV] (A_Zn:144)
66Zn30 + 2 D* --> 67Zn30 + 3He2 + 10.321 MeV [-7.009 MeV] (A_Zn:145)
66Zn30 + 2 D* --> 69Ga31 + 1H1 + 19.411 MeV [2.080 MeV] (A_Zn:146)
66Zn30 + 2 D* --> 70Ge32 + 27.935 MeV [10.605 MeV] (A_Zn:147)

66Zn30 + 3 D* --> 49Ti22 + 23Na11 + 28.596 MeV [2.013 MeV] (A_Zn:148)
66Zn30 + 3 D* --> 50V23 + 22Ne10 + 27.754 MeV [1.170 MeV] (A_Zn:149)
66Zn30 + 3 D* --> 51V23 + 21Ne10 + 28.441 MeV [1.857 MeV] (A_Zn:150)
66Zn30 + 3 D* --> 53Cr24 + 19F9 + 27.280 MeV [00.696 MeV] (A_Zn:151)
66Zn30 + 3 D* --> 55Mn25 + 17O8 + 29.027 MeV [2.444 MeV] (A_Zn:152)
66Zn30 + 3 D* --> 57Fe26 + 15N7 + 30.586 MeV [4.003 MeV] (A_Zn:153)
66Zn30 + 3 D* --> 58Fe26 + 14N7 + 29.798 MeV [3.214 MeV] (A_Zn:154)
66Zn30 + 3 D* --> 59Co27 + 13C6 + 29.611 MeV [3.028 MeV] (A_Zn:155)
66Zn30 + 3 D* --> 61Ni28 + 11B5 + 26.061 MeV [-0.523 MeV] (A_Zn:156)
66Zn30 + 3 D* --> 62Ni28 + 10B5 + 25.203 MeV [-1.380 MeV] (A_Zn:157)
66Zn30 + 3 D* --> 63Cu29 + 9Be4 + 24.740 MeV [-1.844 MeV] (A_Zn:158)
66Zn30 + 3 D* --> 66Zn30 + 6Li3 + 25.320 MeV [-1.263 MeV] (A_Zn:159)
66Zn30 + 3 D* --> 69Ga31 + 3He2 + 24.904 MeV [-1.679 MeV] (A_Zn:160)
66Zn30 + 3 D* --> 70Ge32 + 2H1 + 27.935 MeV [1.352 MeV] (A_Zn:161)

66Zn30 + 4 D* --> 37Cl17 + 37Cl17 + 47.167 MeV [10.946 MeV] (A_Zn:162)
66Zn30 + 4 D* --> 38Ar18 + 36S16 + 49.022 MeV [12.802 MeV] (A_Zn:163)
66Zn30 + 4 D* --> 40Ar18 + 34S16 + 48.615 MeV [12.395 MeV] (A_Zn:164)
66Zn30 + 4 D* --> 44Ca20 + 30Si14 + 49.545 MeV [13.325 MeV] (A_Zn:165)
66Zn30 + 4 D* --> 46Ca20 + 28Si14 + 48.271 MeV [12.051 MeV] (A_Zn:166)
66Zn30 + 4 D* --> 48Ti22 + 26Mg12 + 48.346 MeV [12.126 MeV] (A_Zn:167)
66Zn30 + 4 D* --> 49Ti22 + 25Mg12 + 45.395 MeV [9.175 MeV] (A_Zn:168)
66Zn30 + 4 D* --> 50Ti22 + 24Mg12 + 49.004 MeV [12.784 MeV] (A_Zn:169)
66Zn30 + 4 D* --> 51V23 + 23Na11 + 45.375 MeV [9.155 MeV] (A_Zn:170)
66Zn30 + 4 D* --> 52Cr24 + 22Ne10 + 47.085 MeV [10.865 MeV] (A_Zn:171)
66Zn30 + 4 D* --> 53Cr24 + 21Ne10 + 44.660 MeV [8.440 MeV] (A_Zn:172)
66Zn30 + 4 D* --> 54Cr24 + 20Ne10 + 47.618 MeV [11.398 MeV] (A_Zn:173)
66Zn30 + 4 D* --> 55Mn25 + 19F9 + 42.841 MeV [6.621 MeV] (A_Zn:174)
66Zn30 + 4 D* --> 56Fe26 + 18O8 + 45.030 MeV [8.810 MeV] (A_Zn:175)
66Zn30 + 4 D* --> 57Fe26 + 17O8 + 44.632 MeV [8.412 MeV] (A_Zn:176)
66Zn30 + 4 D* --> 58Fe26 + 16O8 + 50.534 MeV [14.314 MeV] (A_Zn:177)
66Zn30 + 4 D* --> 59Co27 + 15N7 + 45.770 MeV [9.550 MeV] (A_Zn:178)
66Zn30 + 4 D* --> 61Ni28 + 13C6 + 44.739 MeV [8.519 MeV] (A_Zn:179)
66Zn30 + 4 D* --> 62Ni28 + 12C6 + 50.390 MeV [14.169 MeV] (A_Zn:180)
66Zn30 + 4 D* --> 63Cu29 + 11B5 + 40.555 MeV [4.335 MeV] (A_Zn:181)

66Zn30 + 4 D* --> 70Ge32 + 4He2 + 51.782 MeV [15.562 MeV] (A_Zn:182)
66Zn30 + 4 D* --> 74Se34 + 55.856 MeV [19.636 MeV] (A_Zn:183)

66Zn30 + 5 D* --> 40K19 + 36S16 + 60.978 MeV [14.744 MeV] (A_Zn:184)
66Zn30 + 5 D* --> 49Ti22 + 27Al13 + 62.535 MeV [16.300 MeV] (A_Zn:185)
66Zn30 + 5 D* --> 50V23 + 26Mg12 + 62.215 MeV [15.981 MeV] (A_Zn:186)
66Zn30 + 5 D* --> 51V23 + 25Mg12 + 62.173 MeV [15.939 MeV] (A_Zn:187)
66Zn30 + 5 D* --> 53Cr24 + 23Na11 + 61.594 MeV [15.360 MeV] (A_Zn:188)
66Zn30 + 5 D* --> 55Mn25 + 21Ne10 + 60.222 MeV [13.987 MeV] (A_Zn:189)
66Zn30 + 5 D* --> 57Fe26 + 19F9 + 58.447 MeV [12.212 MeV] (A_Zn:190)
66Zn30 + 5 D* --> 59Co27 + 17O8 + 59.816 MeV [13.582 MeV] (A_Zn:191)
66Zn30 + 5 D* --> 61Ni28 + 15N7 + 60.899 MeV [14.664 MeV] (A_Zn:192)
66Zn30 + 5 D* --> 62Ni28 + 14N7 + 60.662 MeV [14.428 MeV] (A_Zn:193)
66Zn30 + 5 D* --> 63Cu29 + 13C6 + 59.234 MeV [12.999 MeV] (A_Zn:194)
66Zn30 + 5 D* --> 66Zn30 + 10B5 + 53.628 MeV [7.394 MeV] (A_Zn:195)
66Zn30 + 5 D* --> 70Ge32 + 6Li3 + 53.256 MeV [7.021 MeV] (A_Zn:196)
66Zn30 + 5 D* --> 74Se34 + 2H1 + 55.856 MeV [9.622 MeV] (A_Zn:197)

66Zn30 + 6 D* --> 40Ar18 + 38Ar18 + 79.669 MeV [23.049 MeV] (A_Zn:198)
66Zn30 + 6 D* --> 41K19 + 37Cl17 + 77.236 MeV [20.615 MeV] (A_Zn:199)
66Zn30 + 6 D* --> 42Ca20 + 36S16 + 79.126 MeV [22.506 MeV] (A_Zn:200)
66Zn30 + 6 D* --> 44Ca20 + 34S16 + 81.315 MeV [24.695 MeV] (A_Zn:201)
66Zn30 + 6 D* --> 46Ca20 + 32S16 + 79.066 MeV [22.445 MeV] (A_Zn:202)
66Zn30 + 6 D* --> 48Ti22 + 30Si14 + 82.836 MeV [26.215 MeV] (A_Zn:203)
66Zn30 + 6 D* --> 49Ti22 + 29Si14 + 80.369 MeV [23.748 MeV] (A_Zn:204)
66Zn30 + 6 D* --> 50Ti22 + 28Si14 + 82.834 MeV [26.214 MeV] (A_Zn:205)
66Zn30 + 6 D* --> 51V23 + 27Al13 + 79.313 MeV [22.692 MeV] (A_Zn:206)
66Zn30 + 6 D* --> 52Cr24 + 26Mg12 + 81.546 MeV [24.926 MeV] (A_Zn:207)
66Zn30 + 6 D* --> 53Cr24 + 25Mg12 + 78.392 MeV [21.772 MeV] (A_Zn:208)
66Zn30 + 6 D* --> 54Cr24 + 24Mg12 + 80.781 MeV [24.161 MeV] (A_Zn:209)
66Zn30 + 6 D* --> 55Mn25 + 23Na11 + 77.155 MeV [20.535 MeV] (A_Zn:210)
66Zn30 + 6 D* --> 56Fe26 + 22Ne10 + 78.545 MeV [21.924 MeV] (A_Zn:211)
66Zn30 + 6 D* --> 57Fe26 + 21Ne10 + 75.827 MeV [19.206 MeV] (A_Zn:212)
66Zn30 + 6 D* --> 58Fe26 + 20Ne10 + 79.110 MeV [22.490 MeV] (A_Zn:213)
66Zn30 + 6 D* --> 59Co27 + 19F9 + 73.631 MeV [17.010 MeV] (A_Zn:214)
66Zn30 + 6 D* --> 60Ni28 + 18O8 + 75.169 MeV [18.548 MeV] (A_Zn:215)
66Zn30 + 6 D* --> 61Ni28 + 17O8 + 74.945 MeV [18.324 MeV] (A_Zn:216)
66Zn30 + 6 D* --> 62Ni28 + 16O8 + 81.398 MeV [24.778 MeV] (A_Zn:217)
66Zn30 + 6 D* --> 63Cu29 + 15N7 + 75.393 MeV [18.773 MeV] (A_Zn:218)
66Zn30 + 6 D* --> 66Zn30 + 12C6 + 78.814 MeV [22.194 MeV] (A_Zn:219)
66Zn30 + 6 D* --> 74Se34 + 4He2 + 79.703 MeV [23.082 MeV] (A_Zn:220)
66Zn30 + 6 D* --> 78Kr36 + 84.095 MeV [27.474 MeV] (A_Zn:221)

66Zn30 + 7 D* --> 40Ar18 + 40K19 + 91.626 MeV [24.252 MeV] (A_Zn:222)
66Zn30 + 7 D* --> 40K19 + 40Ar18 + 91.626 MeV [24.252 MeV] (A_Zn:223)
66Zn30 + 7 D* --> 43Ca20 + 37Cl17 + 93.221 MeV [25.847 MeV] (A_Zn:224)
66Zn30 + 7 D* --> 49Ti22 + 31P15 + 96.050 MeV [28.677 MeV] (A_Zn:225)
66Zn30 + 7 D* --> 50V23 + 30Si14 + 96.705 MeV [29.332 MeV] (A_Zn:226)
66Zn30 + 7 D* --> 51V23 + 29Si14 + 97.147 MeV [29.773 MeV] (A_Zn:227)
66Zn30 + 7 D* --> 53Cr24 + 27Al13 + 95.532 MeV [28.158 MeV] (A_Zn:228)
66Zn30 + 7 D* --> 55Mn25 + 25Mg12 + 93.954 MeV [26.580 MeV] (A_Zn:229)
66Zn30 + 7 D* --> 57Fe26 + 23Na11 + 92.761 MeV [25.387 MeV] (A_Zn:230)
66Zn30 + 7 D* --> 59Co27 + 21Ne10 + 91.011 MeV [23.637 MeV] (A_Zn:231)
66Zn30 + 7 D* --> 61Ni28 + 19F9 + 88.759 MeV [21.385 MeV] (A_Zn:232)

66Zn30 + 7 D* --> 63Cu29 + 17O8 + 89.439 MeV [22.065 MeV] (A_Zn:233)
66Zn30 + 7 D* --> 66Zn30 + 14N7 + 89.087 MeV [21.713 MeV] (A_Zn:234)
66Zn30 + 7 D* --> 70Ge32 + 10B5 + 81.563 MeV [14.189 MeV] (A_Zn:235)
66Zn30 + 7 D* --> 74Se34 + 6Li3 + 81.177 MeV [13.803 MeV] (A_Zn:236)
66Zn30 + 7 D* --> 78Kr36 + 2H1 + 84.095 MeV [16.721 MeV] (A_Zn:237)

66Zn30 + 8 D* --> 41K19 + 41K19 + 107.304 MeV [28.816 MeV] (A_Zn:238)
66Zn30 + 8 D* --> 42Ca20 + 40Ar18 + 109.773 MeV [31.285 MeV] (A_Zn:239)
66Zn30 + 8 D* --> 44Ca20 + 38Ar18 + 112.369 MeV [33.881 MeV] (A_Zn:240)
66Zn30 + 8 D* --> 46Ca20 + 36Ar18 + 109.553 MeV [31.064 MeV] (A_Zn:241)
66Zn30 + 8 D* --> 45Sc21 + 37Cl17 + 109.016 MeV [30.527 MeV] (A_Zn:242)
66Zn30 + 8 D* --> 46Ti22 + 36S16 + 110.974 MeV [32.485 MeV] (A_Zn:243)
66Zn30 + 8 D* --> 48Ti22 + 34S16 + 114.606 MeV [36.117 MeV] (A_Zn:244)
66Zn30 + 8 D* --> 49Ti22 + 33S16 + 111.331 MeV [32.843 MeV] (A_Zn:245)
66Zn30 + 8 D* --> 50Ti22 + 32S16 + 113.629 MeV [35.140 MeV] (A_Zn:246)
66Zn30 + 8 D* --> 51V23 + 31P15 + 112.829 MeV [34.340 MeV] (A_Zn:247)
66Zn30 + 8 D* --> 52Cr24 + 30Si14 + 116.036 MeV [37.548 MeV] (A_Zn:248)
66Zn30 + 8 D* --> 53Cr24 + 29Si14 + 113.366 MeV [34.878 MeV] (A_Zn:249)
66Zn30 + 8 D* --> 54Cr24 + 28Si14 + 114.612 MeV [36.123 MeV] (A_Zn:250)
66Zn30 + 8 D* --> 55Mn25 + 27Al13 + 111.094 MeV [32.605 MeV] (A_Zn:251)
66Zn30 + 8 D* --> 56Fe26 + 26Mg12 + 113.006 MeV [34.518 MeV] (A_Zn:252)
66Zn30 + 8 D* --> 57Fe26 + 25Mg12 + 109.559 MeV [31.071 MeV] (A_Zn:253)
66Zn30 + 8 D* --> 58Fe26 + 24Mg12 + 112.273 MeV [33.785 MeV] (A_Zn:254)
66Zn30 + 8 D* --> 59Co27 + 23Na11 + 107.945 MeV [29.456 MeV] (A_Zn:255)
66Zn30 + 8 D* --> 60Ni28 + 22Ne10 + 108.683 MeV [30.195 MeV] (A_Zn:256)
66Zn30 + 8 D* --> 61Ni28 + 21Ne10 + 106.139 MeV [27.650 MeV] (A_Zn:257)
66Zn30 + 8 D* --> 62Ni28 + 20Ne10 + 109.974 MeV [31.486 MeV] (A_Zn:258)
66Zn30 + 8 D* --> 63Cu29 + 19F9 + 103.253 MeV [24.765 MeV] (A_Zn:259)
66Zn30 + 8 D* --> 64Zn30 + 18O8 + 102.971 MeV [24.483 MeV] (A_Zn:260)
66Zn30 + 8 D* --> 66Zn30 + 16O8 + 109.823 MeV [31.334 MeV] (A_Zn:261)
66Zn30 + 8 D* --> 70Ge32 + 12C6 + 106.749 MeV [28.261 MeV] (A_Zn:262)
66Zn30 + 8 D* --> 78Kr36 + 4He2 + 107.941 MeV [29.453 MeV] (A_Zn:263)

66Zn30 + 9 D* --> 43Ca20 + 41K19 + 123.290 MeV [33.329 MeV] (A_Zn:264)
66Zn30 + 9 D* --> 44Ca20 + 40K19 + 124.326 MeV [34.365 MeV] (A_Zn:265)
66Zn30 + 9 D* --> 47Ti22 + 37Cl17 + 126.016 MeV [36.055 MeV] (A_Zn:266)
66Zn30 + 9 D* --> 49Ti22 + 35Cl17 + 126.894 MeV [36.934 MeV] (A_Zn:267)
66Zn30 + 9 D* --> 50V23 + 34S16 + 128.475 MeV [38.515 MeV] (A_Zn:268)
66Zn30 + 9 D* --> 51V23 + 33S16 + 128.109 MeV [38.149 MeV] (A_Zn:269)
66Zn30 + 9 D* --> 53Cr24 + 31P15 + 129.048 MeV [39.087 MeV] (A_Zn:270)
66Zn30 + 9 D* --> 55Mn25 + 29Si14 + 128.928 MeV [38.967 MeV] (A_Zn:271)
66Zn30 + 9 D* --> 57Fe26 + 27Al13 + 126.699 MeV [36.738 MeV] (A_Zn:272)
66Zn30 + 9 D* --> 59Co27 + 25Mg12 + 124.743 MeV [34.783 MeV] (A_Zn:273)
66Zn30 + 9 D* --> 61Ni28 + 23Na11 + 123.073 MeV [33.112 MeV] (A_Zn:274)
66Zn30 + 9 D* --> 63Cu29 + 21Ne10 + 120.633 MeV [30.673 MeV] (A_Zn:275)
66Zn30 + 9 D* --> 70Ge32 + 14N7 + 117.022 MeV [27.061 MeV] (A_Zn:276)
66Zn30 + 9 D* --> 74Se34 + 10B5 + 109.484 MeV [19.524 MeV] (A_Zn:277)
66Zn30 + 9 D* --> 78Kr36 + 6Li3 + 109.415 MeV [19.454 MeV] (A_Zn:278)

66Zn30 + 10 D* --> 43Ca20 + 43Ca20 + 139.275 MeV [37.490 MeV] (A_Zn:279)
66Zn30 + 10 D* --> 44Ca20 + 42Ca20 + 142.473 MeV [40.688 MeV] (A_Zn:280)
66Zn30 + 10 D* --> 46Ca20 + 40Ca20 + 140.439 MeV [38.654 MeV] (A_Zn:281)
66Zn30 + 10 D* --> 45Sc21 + 41K19 + 139.085 MeV [37.300 MeV] (A_Zn:282)
66Zn30 + 10 D* --> 46Ti22 + 40Ar18 + 141.621 MeV [39.836 MeV] (A_Zn:283)

66Zn30 + 10 D* --> 48Ti22 + 38Ar18 + 145.660 MeV [43.875 MeV] (A_Zn:284)
66Zn30 + 10 D* --> 50Ti22 + 36Ar18 + 144.116 MeV [42.331 MeV] (A_Zn:285)
66Zn30 + 10 D* --> 51V23 + 35Cl17 + 143.673 MeV [41.888 MeV] (A_Zn:286)
66Zn30 + 10 D* --> 50Cr24 + 36S16 + 143.381 MeV [41.596 MeV] (A_Zn:287)
66Zn30 + 10 D* --> 52Cr24 + 34S16 + 147.807 MeV [46.021 MeV] (A_Zn:288)
66Zn30 + 10 D* --> 53Cr24 + 33S16 + 144.329 MeV [42.543 MeV] (A_Zn:289)
66Zn30 + 10 D* --> 54Cr24 + 32S16 + 145.406 MeV [43.621 MeV] (A_Zn:290)
66Zn30 + 10 D* --> 55Mn25 + 31P15 + 144.609 MeV [42.824 MeV] (A_Zn:291)
66Zn30 + 10 D* --> 56Fe26 + 30Si14 + 147.496 MeV [45.711 MeV] (A_Zn:292)
66Zn30 + 10 D* --> 57Fe26 + 29Si14 + 144.533 MeV [42.748 MeV] (A_Zn:293)
66Zn30 + 10 D* --> 58Fe26 + 28Si14 + 146.104 MeV [44.319 MeV] (A_Zn:294)
66Zn30 + 10 D* --> 59Co27 + 27Al13 + 141.883 MeV [40.098 MeV] (A_Zn:295)
66Zn30 + 10 D* --> 60Ni28 + 26Mg12 + 143.144 MeV [41.359 MeV] (A_Zn:296)
66Zn30 + 10 D* --> 61Ni28 + 25Mg12 + 139.872 MeV [38.086 MeV] (A_Zn:297)
66Zn30 + 10 D* --> 62Ni28 + 24Mg12 + 143.137 MeV [41.352 MeV] (A_Zn:298)
66Zn30 + 10 D* --> 63Cu29 + 23Na11 + 137.567 MeV [35.782 MeV] (A_Zn:299)
66Zn30 + 10 D* --> 64Zn30 + 22Ne10 + 136.486 MeV [34.701 MeV] (A_Zn:300)
66Zn30 + 10 D* --> 66Zn30 + 20Ne10 + 138.399 MeV [36.614 MeV] (A_Zn:301)
66Zn30 + 10 D* --> 70Ge32 + 16O8 + 137.758 MeV [35.973 MeV] (A_Zn:302)
66Zn30 + 10 D* --> 74Se34 + 12C6 + 134.671 MeV [32.885 MeV] (A_Zn:303)

66Zn30 + 11 D* --> 45Sc21 + 43Ca20 + 155.070 MeV [41.112 MeV] (A_Zn:304)
66Zn30 + 11 D* --> 47Ti22 + 41K19 + 156.085 MeV [42.127 MeV] (A_Zn:305)
66Zn30 + 11 D* --> 48Ti22 + 40K19 + 157.616 MeV [43.659 MeV] (A_Zn:306)
66Zn30 + 11 D* --> 49Ti22 + 39K19 + 157.959 MeV [44.001 MeV] (A_Zn:307)
66Zn30 + 11 D* --> 50V23 + 38Ar18 + 159.530 MeV [45.572 MeV] (A_Zn:308)
66Zn30 + 11 D* --> 53Cr24 + 35Cl17 + 159.892 MeV [45.934 MeV] (A_Zn:309)
66Zn30 + 11 D* --> 55Mn25 + 33S16 + 159.890 MeV [45.932 MeV] (A_Zn:310)
66Zn30 + 11 D* --> 57Fe26 + 31P15 + 160.215 MeV [46.257 MeV] (A_Zn:311)
66Zn30 + 11 D* --> 59Co27 + 29Si14 + 159.717 MeV [45.759 MeV] (A_Zn:312)
66Zn30 + 11 D* --> 61Ni28 + 27Al13 + 157.011 MeV [43.053 MeV] (A_Zn:313)
66Zn30 + 11 D* --> 63Cu29 + 25Mg12 + 154.366 MeV [40.408 MeV] (A_Zn:314)
66Zn30 + 11 D* --> 74Se34 + 14N7 + 144.943 MeV [30.985 MeV] (A_Zn:315)
66Zn30 + 11 D* --> 78Kr36 + 10B5 + 137.723 MeV [23.765 MeV] (A_Zn:316)

66Zn30 + 12 D* --> 45Sc21 + 45Sc21 + 170.865 MeV [44.390 MeV] (A_Zn:317)
66Zn30 + 12 D* --> 46Ti22 + 44Ca20 + 174.321 MeV [47.847 MeV] (A_Zn:318)
66Zn30 + 12 D* --> 47Ti22 + 43Ca20 + 172.070 MeV [45.596 MeV] (A_Zn:319)
66Zn30 + 12 D* --> 48Ti22 + 42Ca20 + 175.764 MeV [49.289 MeV] (A_Zn:320)
66Zn30 + 12 D* --> 50Ti22 + 40Ca20 + 175.002 MeV [48.528 MeV] (A_Zn:321)
66Zn30 + 12 D* --> 50V23 + 40K19 + 171.486 MeV [45.011 MeV] (A_Zn:322)
66Zn30 + 12 D* --> 51V23 + 39K19 + 174.738 MeV [48.263 MeV] (A_Zn:323)
66Zn30 + 12 D* --> 50Cr24 + 40Ar18 + 174.029 MeV [47.554 MeV] (A_Zn:324)
66Zn30 + 12 D* --> 52Cr24 + 38Ar18 + 178.861 MeV [52.386 MeV] (A_Zn:325)
66Zn30 + 12 D* --> 54Cr24 + 36Ar18 + 175.893 MeV [49.419 MeV] (A_Zn:326)
66Zn30 + 12 D* --> 55Mn25 + 35Cl17 + 175.453 MeV [48.979 MeV] (A_Zn:327)
66Zn30 + 12 D* --> 54Fe26 + 36S16 + 175.646 MeV [49.171 MeV] (A_Zn:328)
66Zn30 + 12 D* --> 56Fe26 + 34S16 + 179.266 MeV [52.792 MeV] (A_Zn:329)
66Zn30 + 12 D* --> 57Fe26 + 33S16 + 175.495 MeV [49.021 MeV] (A_Zn:330)
66Zn30 + 12 D* --> 58Fe26 + 32S16 + 176.898 MeV [50.424 MeV] (A_Zn:331)
66Zn30 + 12 D* --> 59Co27 + 31P15 + 175.399 MeV [48.924 MeV] (A_Zn:332)
66Zn30 + 12 D* --> 60Ni28 + 30Si14 + 177.634 MeV [51.160 MeV] (A_Zn:333)
66Zn30 + 12 D* --> 61Ni28 + 29Si14 + 174.845 MeV [48.371 MeV] (A_Zn:334)
66Zn30 + 12 D* --> 62Ni28 + 28Si14 + 176.968 MeV [50.493 MeV] (A_Zn:335)

66Zn30 + 12 D* --> 63Cu29 + 27Al13 + 171.505 MeV [45.031 MeV] (A_Zn:336)
66Zn30 + 12 D* --> 64Zn30 + 26Mg12 + 170.947 MeV [44.473 MeV] (A_Zn:337)
66Zn30 + 12 D* --> 66Zn30 + 24Mg12 + 171.562 MeV [45.088 MeV] (A_Zn:338)
66Zn30 + 12 D* --> 70Ge32 + 20Ne10 + 166.334 MeV [39.860 MeV] (A_Zn:339)
66Zn30 + 12 D* --> 74Se34 + 16O8 + 165.679 MeV [39.204 MeV] (A_Zn:340)
66Zn30 + 12 D* --> 78Kr36 + 12C6 + 162.909 MeV [36.434 MeV] (A_Zn:341)

67Zn30 + D* --> 54Cr24 + 15N7 + 2.086 MeV [-6.340 MeV] (A_Zn:342)
67Zn30 + D* --> 65Cu29 + 4He2 + 10.094 MeV [1.668 MeV] (A_Zn:343)
67Zn30 + D* --> 68Zn30 + 1H1 + 7.974 MeV [-0.453 MeV] (A_Zn:344)
67Zn30 + D* --> 69Ga31 + 14.583 MeV [6.157 MeV] (A_Zn:345)

67Zn30 + 2 D* --> 46Ca20 + 25Mg12 + 14.719 MeV [-2.530 MeV] (A_Zn:346)
67Zn30 + 2 D* --> 49Ti22 + 22Ne10 + 14.975 MeV [-2.274 MeV] (A_Zn:347)
67Zn30 + 2 D* --> 50Ti22 + 21Ne10 + 15.549 MeV [-1.699 MeV] (A_Zn:348)
67Zn30 + 2 D* --> 53Cr24 + 18O8 + 14.457 MeV [-2.792 MeV] (A_Zn:349)
67Zn30 + 2 D* --> 54Cr24 + 17O8 + 16.132 MeV [-1.116 MeV] (A_Zn:350)
67Zn30 + 2 D* --> 58Fe26 + 13C6 + 17.419 MeV [00.171 MeV] (A_Zn:351)
67Zn30 + 2 D* --> 62Ni28 + 9Be4 + 13.789 MeV [-3.459 MeV] (A_Zn:352)
67Zn30 + 2 D* --> 65Cu29 + 6Li3 + 11.568 MeV [-5.681 MeV] (A_Zn:353)
67Zn30 + 2 D* --> 67Zn30 + 4He2 + 23.847 MeV [6.598 MeV] (A_Zn:354)
67Zn30 + 2 D* --> 68Zn30 + 3He2 + 13.467 MeV [-3.782 MeV] (A_Zn:355)
67Zn30 + 2 D* --> 69Ga31 + 2H1 + 14.583 MeV [-2.666 MeV] (A_Zn:356)

67Zn30 + 3 D* --> 37Cl17 + 36S16 + 33.952 MeV [7.491 MeV] (A_Zn:357)
67Zn30 + 3 D* --> 46Ca20 + 27Al13 + 31.858 MeV [5.397 MeV] (A_Zn:358)
67Zn30 + 3 D* --> 50Ti22 + 23Na11 + 32.483 MeV [6.022 MeV] (A_Zn:359)
67Zn30 + 3 D* --> 51V23 + 22Ne10 + 31.753 MeV [5.291 MeV] (A_Zn:360)
67Zn30 + 3 D* --> 54Cr24 + 19F9 + 29.947 MeV [3.485 MeV] (A_Zn:361)
67Zn30 + 3 D* --> 55Mn25 + 18O8 + 30.019 MeV [3.557 MeV] (A_Zn:362)
67Zn30 + 3 D* --> 58Fe26 + 15N7 + 33.579 MeV [7.117 MeV] (A_Zn:363)
67Zn30 + 3 D* --> 62Ni28 + 11B5 + 29.605 MeV [3.143 MeV] (A_Zn:364)
67Zn30 + 3 D* --> 66Zn30 + 7Li3 + 25.518 MeV [-0.944 MeV] (A_Zn:365)
67Zn30 + 3 D* --> 67Zn30 + 6Li3 + 25.320 MeV [-1.141 MeV] (A_Zn:366)
67Zn30 + 3 D* --> 69Ga31 + 4He2 + 38.430 MeV [11.968 MeV] (A_Zn:367)
67Zn30 + 3 D* --> 72Ge32 + 1H1 + 36.824 MeV [10.362 MeV] (A_Zn:368)

67Zn30 + 4 D* --> 46Ca20 + 29Si14 + 49.693 MeV [13.634 MeV] (A_Zn:369)
67Zn30 + 4 D* --> 49Ti22 + 26Mg12 + 49.436 MeV [13.377 MeV] (A_Zn:370)
67Zn30 + 4 D* --> 50Ti22 + 25Mg12 + 49.282 MeV [13.224 MeV] (A_Zn:371)
67Zn30 + 4 D* --> 53Cr24 + 22Ne10 + 47.972 MeV [11.914 MeV] (A_Zn:372)
67Zn30 + 4 D* --> 54Cr24 + 21Ne10 + 47.327 MeV [11.268 MeV] (A_Zn:373)
67Zn30 + 4 D* --> 57Fe26 + 18O8 + 45.624 MeV [9.566 MeV] (A_Zn:374)
67Zn30 + 4 D* --> 58Fe26 + 17O8 + 47.625 MeV [11.566 MeV] (A_Zn:375)
67Zn30 + 4 D* --> 62Ni28 + 13C6 + 48.284 MeV [12.225 MeV] (A_Zn:376)
67Zn30 + 4 D* --> 65Cu29 + 10B5 + 39.875 MeV [3.817 MeV] (A_Zn:377)
67Zn30 + 4 D* --> 66Zn30 + 9Be4 + 42.214 MeV [6.156 MeV] (A_Zn:378)
67Zn30 + 4 D* --> 69Ga31 + 6Li3 + 39.903 MeV [3.845 MeV] (A_Zn:379)
67Zn30 + 4 D* --> 72Ge32 + 3He2 + 42.317 MeV [6.259 MeV] (A_Zn:380)

67Zn30 + 5 D* --> 40Ar18 + 37Cl17 + 64.600 MeV [18.566 MeV] (A_Zn:381)
67Zn30 + 5 D* --> 41K19 + 36S16 + 64.021 MeV [17.988 MeV] (A_Zn:382)
67Zn30 + 5 D* --> 46Ca20 + 31P15 + 65.374 MeV [19.341 MeV] (A_Zn:383)
67Zn30 + 5 D* --> 50Ti22 + 27Al13 + 66.421 MeV [20.388 MeV] (A_Zn:384)

67Zn30 + 5 D* --> 51V23 + 26Mg12 + 66.214 MeV [20.181 MeV] (A_Zn:385)
67Zn30 + 5 D* --> 54Cr24 + 23Na11 + 64.261 MeV [18.227 MeV] (A_Zn:386)
67Zn30 + 5 D* --> 55Mn25 + 22Ne10 + 63.533 MeV [17.500 MeV] (A_Zn:387)
67Zn30 + 5 D* --> 58Fe26 + 19F9 + 61.439 MeV [15.406 MeV] (A_Zn:388)
67Zn30 + 5 D* --> 59Co27 + 18O8 + 60.808 MeV [14.775 MeV] (A_Zn:389)
67Zn30 + 5 D* --> 62Ni28 + 15N7 + 64.443 MeV [18.410 MeV] (A_Zn:390)
67Zn30 + 5 D* --> 65Cu29 + 12C6 + 65.062 MeV [19.029 MeV] (A_Zn:391)
67Zn30 + 5 D* --> 66Zn30 + 11B5 + 58.030 MeV [11.996 MeV] (A_Zn:392)
67Zn30 + 5 D* --> 67Zn30 + 10B5 + 53.628 MeV [7.595 MeV] (A_Zn:393)
67Zn30 + 5 D* --> 70Ge32 + 7Li3 + 53.453 MeV [7.420 MeV] (A_Zn:394)
67Zn30 + 5 D* --> 76Se34 + 1H1 + 65.761 MeV [19.728 MeV] (A_Zn:395)

67Zn30 + 6 D* --> 43Ca20 + 36S16 + 80.007 MeV [23.626 MeV] (A_Zn:396)
67Zn30 + 6 D* --> 46Ca20 + 33S16 + 80.655 MeV [24.274 MeV] (A_Zn:397)
67Zn30 + 6 D* --> 49Ti22 + 30Si14 + 83.926 MeV [27.545 MeV] (A_Zn:398)
67Zn30 + 6 D* --> 50Ti22 + 29Si14 + 84.256 MeV [27.875 MeV] (A_Zn:399)
67Zn30 + 6 D* --> 53Cr24 + 26Mg12 + 82.433 MeV [26.053 MeV] (A_Zn:400)
67Zn30 + 6 D* --> 54Cr24 + 25Mg12 + 81.059 MeV [24.679 MeV] (A_Zn:401)
67Zn30 + 6 D* --> 57Fe26 + 22Ne10 + 79.139 MeV [22.758 MeV] (A_Zn:402)
67Zn30 + 6 D* --> 58Fe26 + 21Ne10 + 78.819 MeV [22.439 MeV] (A_Zn:403)
67Zn30 + 6 D* --> 61Ni28 + 18O8 + 75.936 MeV [19.556 MeV] (A_Zn:404)
67Zn30 + 6 D* --> 62Ni28 + 17O8 + 78.489 MeV [22.108 MeV] (A_Zn:405)
67Zn30 + 6 D* --> 65Cu29 + 14N7 + 75.334 MeV [18.954 MeV] (A_Zn:406)
67Zn30 + 6 D* --> 66Zn30 + 13C6 + 76.708 MeV [20.328 MeV] (A_Zn:407)
67Zn30 + 6 D* --> 67Zn30 + 12C6 + 78.814 MeV [22.434 MeV] (A_Zn:408)
67Zn30 + 6 D* --> 69Ga31 + 10B5 + 68.211 MeV [11.830 MeV] (A_Zn:409)
67Zn30 + 6 D* --> 70Ge32 + 9Be4 + 70.149 MeV [13.769 MeV] (A_Zn:410)
67Zn30 + 6 D* --> 76Se34 + 3He2 + 71.255 MeV [14.874 MeV] (A_Zn:411)

67Zn30 + 7 D* --> 41K19 + 40Ar18 + 94.669 MeV [27.573 MeV] (A_Zn:412)
67Zn30 + 7 D* --> 44Ca20 + 37Cl17 + 97.300 MeV [30.204 MeV] (A_Zn:413)
67Zn30 + 7 D* --> 46Ca20 + 35Cl17 + 96.218 MeV [29.123 MeV] (A_Zn:414)
67Zn30 + 7 D* --> 45Sc21 + 36S16 + 95.801 MeV [28.706 MeV] (A_Zn:415)
67Zn30 + 7 D* --> 50Ti22 + 31P15 + 99.937 MeV [32.842 MeV] (A_Zn:416)
67Zn30 + 7 D* --> 51V23 + 30Si14 + 100.704 MeV [33.609 MeV] (A_Zn:417)
67Zn30 + 7 D* --> 54Cr24 + 27Al13 + 98.199 MeV [31.104 MeV] (A_Zn:418)
67Zn30 + 7 D* --> 55Mn25 + 26Mg12 + 97.995 MeV [30.900 MeV] (A_Zn:419)
67Zn30 + 7 D* --> 58Fe26 + 23Na11 + 95.753 MeV [28.658 MeV] (A_Zn:420)
67Zn30 + 7 D* --> 59Co27 + 22Ne10 + 94.323 MeV [27.228 MeV] (A_Zn:421)
67Zn30 + 7 D* --> 62Ni28 + 19F9 + 92.303 MeV [25.208 MeV] (A_Zn:422)
67Zn30 + 7 D* --> 63Cu29 + 18O8 + 90.431 MeV [23.335 MeV] (A_Zn:423)
67Zn30 + 7 D* --> 65Cu29 + 16O8 + 96.070 MeV [28.975 MeV] (A_Zn:424)
67Zn30 + 7 D* --> 66Zn30 + 15N7 + 92.868 MeV [25.772 MeV] (A_Zn:425)
67Zn30 + 7 D* --> 67Zn30 + 14N7 + 89.087 MeV [21.991 MeV] (A_Zn:426)
67Zn30 + 7 D* --> 69Ga31 + 12C6 + 93.397 MeV [26.302 MeV] (A_Zn:427)
67Zn30 + 7 D* --> 70Ge32 + 11B5 + 85.965 MeV [18.870 MeV] (A_Zn:428)
67Zn30 + 7 D* --> 74Se34 + 7Li3 + 81.374 MeV [14.279 MeV] (A_Zn:429)
67Zn30 + 7 D* --> 80Kr36 + 1H1 + 94.673 MeV [27.578 MeV] (A_Zn:430)

67Zn30 + 8 D* --> 43Ca20 + 40Ar18 + 110.654 MeV [32.482 MeV] (A_Zn:431)
67Zn30 + 8 D* --> 47Ti22 + 36S16 + 112.802 MeV [34.630 MeV] (A_Zn:432)
67Zn30 + 8 D* --> 49Ti22 + 34S16 + 115.696 MeV [37.524 MeV] (A_Zn:433)
67Zn30 + 8 D* --> 50Ti22 + 33S16 + 115.218 MeV [37.046 MeV] (A_Zn:434)
67Zn30 + 8 D* --> 53Cr24 + 30Si14 + 116.923 MeV [38.751 MeV] (A_Zn:435)

67Zn30 + 8 D* --> 54Cr24 + 29Si14 + 116.033 MeV [37.861 MeV] (A_Zn:436)
67Zn30 + 8 D* --> 57Fe26 + 26Mg12 + 113.600 MeV [35.428 MeV] (A_Zn:437)
67Zn30 + 8 D* --> 58Fe26 + 25Mg12 + 112.552 MeV [34.380 MeV] (A_Zn:438)
67Zn30 + 8 D* --> 61Ni28 + 22Ne10 + 109.451 MeV [31.279 MeV] (A_Zn:439)
67Zn30 + 8 D* --> 62Ni28 + 21Ne10 + 109.683 MeV [31.511 MeV] (A_Zn:440)
67Zn30 + 8 D* --> 66Zn30 + 17O8 + 106.914 MeV [28.742 MeV] (A_Zn:441)
67Zn30 + 8 D* --> 67Zn30 + 16O8 + 109.823 MeV [31.651 MeV] (A_Zn:442)
67Zn30 + 8 D* --> 69Ga31 + 14N7 + 103.670 MeV [25.498 MeV] (A_Zn:443)
67Zn30 + 8 D* --> 70Ge32 + 13C6 + 104.643 MeV [26.471 MeV] (A_Zn:444)
67Zn30 + 8 D* --> 74Se34 + 9Be4 + 98.070 MeV [19.898 MeV] (A_Zn:445)
67Zn30 + 8 D* --> 80Kr36 + 3He2 + 100.167 MeV [21.995 MeV] (A_Zn:446)

67Zn30 + 9 D* --> 44Ca20 + 41K19 + 127.369 MeV [37.762 MeV] (A_Zn:447)
67Zn30 + 9 D* --> 46Ca20 + 39K19 + 127.283 MeV [37.677 MeV] (A_Zn:448)
67Zn30 + 9 D* --> 45Sc21 + 40Ar18 + 126.449 MeV [36.842 MeV] (A_Zn:449)
67Zn30 + 9 D* --> 48Ti22 + 37Cl17 + 130.590 MeV [40.984 MeV] (A_Zn:450)
67Zn30 + 9 D* --> 50Ti22 + 35Cl17 + 130.781 MeV [41.175 MeV] (A_Zn:451)
67Zn30 + 9 D* --> 51V23 + 34S16 + 132.474 MeV [42.868 MeV] (A_Zn:452)
67Zn30 + 9 D* --> 54Cr24 + 31P15 + 131.714 MeV [42.108 MeV] (A_Zn:453)
67Zn30 + 9 D* --> 55Mn25 + 30Si14 + 132.485 MeV [42.878 MeV] (A_Zn:454)
67Zn30 + 9 D* --> 58Fe26 + 27Al13 + 129.691 MeV [40.085 MeV] (A_Zn:455)
67Zn30 + 9 D* --> 59Co27 + 26Mg12 + 128.784 MeV [39.178 MeV] (A_Zn:456)
67Zn30 + 9 D* --> 62Ni28 + 23Na11 + 126.617 MeV [37.011 MeV] (A_Zn:457)
67Zn30 + 9 D* --> 63Cu29 + 22Ne10 + 123.945 MeV [34.339 MeV] (A_Zn:458)
67Zn30 + 9 D* --> 65Cu29 + 20Ne10 + 124.647 MeV [35.040 MeV] (A_Zn:459)
67Zn30 + 9 D* --> 66Zn30 + 19F9 + 120.728 MeV [31.121 MeV] (A_Zn:460)
67Zn30 + 9 D* --> 69Ga31 + 16O8 + 124.406 MeV [34.799 MeV] (A_Zn:461)
67Zn30 + 9 D* --> 70Ge32 + 15N7 + 120.803 MeV [31.196 MeV] (A_Zn:462)
67Zn30 + 9 D* --> 74Se34 + 11B5 + 113.886 MeV [24.279 MeV] (A_Zn:463)
67Zn30 + 9 D* --> 78Kr36 + 7Li3 + 109.613 MeV [20.006 MeV] (A_Zn:464)
67Zn30 + 9 D* --> 84Sr38 + 1H1 + 123.696 MeV [34.090 MeV] (A_Zn:465)

67Zn30 + 10 D* --> 44Ca20 + 43Ca20 + 143.354 MeV [41.960 MeV] (A_Zn:466)
67Zn30 + 10 D* --> 47Ti22 + 40Ar18 + 143.449 MeV [42.055 MeV] (A_Zn:467)
67Zn30 + 10 D* --> 49Ti22 + 38Ar18 + 146.750 MeV [45.356 MeV] (A_Zn:468)
67Zn30 + 10 D* --> 50V23 + 37Cl17 + 144.460 MeV [43.066 MeV] (A_Zn:469)
67Zn30 + 10 D* --> 53Cr24 + 34S16 + 148.693 MeV [47.300 MeV] (A_Zn:470)
67Zn30 + 10 D* --> 54Cr24 + 33S16 + 146.995 MeV [45.602 MeV] (A_Zn:471)
67Zn30 + 10 D* --> 57Fe26 + 30Si14 + 148.090 MeV [46.696 MeV] (A_Zn:472)
67Zn30 + 10 D* --> 58Fe26 + 29Si14 + 147.525 MeV [46.132 MeV] (A_Zn:473)
67Zn30 + 10 D* --> 61Ni28 + 26Mg12 + 143.912 MeV [42.519 MeV] (A_Zn:474)
67Zn30 + 10 D* --> 62Ni28 + 25Mg12 + 143.416 MeV [42.022 MeV] (A_Zn:475)
67Zn30 + 10 D* --> 66Zn30 + 21Ne10 + 138.108 MeV [36.714 MeV] (A_Zn:476)
67Zn30 + 10 D* --> 67Zn30 + 20Ne10 + 138.399 MeV [37.006 MeV] (A_Zn:477)
67Zn30 + 10 D* --> 70Ge32 + 17O8 + 134.849 MeV [33.455 MeV] (A_Zn:478)
67Zn30 + 10 D* --> 74Se34 + 13C6 + 132.565 MeV [31.171 MeV] (A_Zn:479)
67Zn30 + 10 D* --> 78Kr36 + 9Be4 + 126.309 MeV [24.915 MeV] (A_Zn:480)
67Zn30 + 10 D* --> 84Sr38 + 3He2 + 129.189 MeV [27.796 MeV] (A_Zn:481)

67Zn30 + 11 D* --> 45Sc21 + 44Ca20 + 159.149 MeV [45.619 MeV] (A_Zn:482)
67Zn30 + 11 D* --> 48Ti22 + 41K19 + 160.659 MeV [47.130 MeV] (A_Zn:483)
67Zn30 + 11 D* --> 49Ti22 + 40K19 + 158.707 MeV [45.177 MeV] (A_Zn:484)
67Zn30 + 11 D* --> 50Ti22 + 39K19 + 161.846 MeV [48.317 MeV] (A_Zn:485)
67Zn30 + 11 D* --> 51V23 + 38Ar18 + 163.528 MeV [49.999 MeV] (A_Zn:486)

67Zn30 + 11 D* --> 52Cr24 + 37Cl17 + 163.791 MeV [50.262 MeV] (A_Zn:487)
67Zn30 + 11 D* --> 54Cr24 + 35Cl17 + 162.559 MeV [49.029 MeV] (A_Zn:488)
67Zn30 + 11 D* --> 55Mn25 + 34S16 + 164.255 MeV [50.725 MeV] (A_Zn:489)
67Zn30 + 11 D* --> 58Fe26 + 31P15 + 163.207 MeV [49.677 MeV] (A_Zn:490)
67Zn30 + 11 D* --> 59Co27 + 30Si14 + 163.274 MeV [49.744 MeV] (A_Zn:491)
67Zn30 + 11 D* --> 62Ni28 + 27Al13 + 160.555 MeV [47.026 MeV] (A_Zn:492)
67Zn30 + 11 D* --> 63Cu29 + 26Mg12 + 158.407 MeV [44.877 MeV] (A_Zn:493)
67Zn30 + 11 D* --> 65Cu29 + 24Mg12 + 157.810 MeV [44.280 MeV] (A_Zn:494)
67Zn30 + 11 D* --> 66Zn30 + 23Na11 + 155.042 MeV [41.512 MeV] (A_Zn:495)
67Zn30 + 11 D* --> 69Ga31 + 20Ne10 + 152.982 MeV [39.453 MeV] (A_Zn:496)
67Zn30 + 11 D* --> 70Ge32 + 19F9 + 148.663 MeV [35.134 MeV] (A_Zn:497)
67Zn30 + 11 D* --> 74Se34 + 15N7 + 148.724 MeV [35.194 MeV] (A_Zn:498)
67Zn30 + 11 D* --> 78Kr36 + 11B5 + 142.124 MeV [28.595 MeV] (A_Zn:499)

67Zn30 + 12 D* --> 47Ti22 + 44Ca20 + 176.149 MeV [50.139 MeV] (A_Zn:500)
67Zn30 + 12 D* --> 48Ti22 + 43Ca20 + 176.645 MeV [50.635 MeV] (A_Zn:501)
67Zn30 + 12 D* --> 49Ti22 + 42Ca20 + 176.854 MeV [50.844 MeV] (A_Zn:502)
67Zn30 + 12 D* --> 50V23 + 41K19 + 174.529 MeV [48.519 MeV] (A_Zn:503)
67Zn30 + 12 D* --> 51V23 + 40K19 + 175.485 MeV [49.475 MeV] (A_Zn:504)
67Zn30 + 12 D* --> 53Cr24 + 38Ar18 + 179.748 MeV [53.738 MeV] (A_Zn:505)
67Zn30 + 12 D* --> 57Fe26 + 34S16 + 179.860 MeV [53.850 MeV] (A_Zn:506)
67Zn30 + 12 D* --> 58Fe26 + 33S16 + 178.488 MeV [52.478 MeV] (A_Zn:507)
67Zn30 + 12 D* --> 61Ni28 + 30Si14 + 178.402 MeV [52.392 MeV] (A_Zn:508)
67Zn30 + 12 D* --> 62Ni28 + 29Si14 + 178.389 MeV [52.380 MeV] (A_Zn:509)
67Zn30 + 12 D* --> 66Zn30 + 25Mg12 + 171.840 MeV [45.831 MeV] (A_Zn:510)
67Zn30 + 12 D* --> 67Zn30 + 24Mg12 + 171.562 MeV [45.553 MeV] (A_Zn:511)
67Zn30 + 12 D* --> 70Ge32 + 21Ne10 + 166.043 MeV [40.033 MeV] (A_Zn:512)
67Zn30 + 12 D* --> 74Se34 + 17O8 + 162.770 MeV [36.760 MeV] (A_Zn:513)
67Zn30 + 12 D* --> 78Kr36 + 13C6 + 160.803 MeV [34.793 MeV] (A_Zn:514)

68Zn30 + 2 D* --> 36S16 + 36S16 + 17.592 MeV [00.424 MeV] (A_Zn:515)
68Zn30 + 2 D* --> 46Ca20 + 26Mg12 + 15.614 MeV [-1.555 MeV] (A_Zn:516)
68Zn30 + 2 D* --> 48Ca20 + 24Mg12 + 14.412 MeV [-2.757 MeV] (A_Zn:517)
68Zn30 + 2 D* --> 50Ti22 + 22Ne10 + 15.716 MeV [-1.453 MeV] (A_Zn:518)
68Zn30 + 2 D* --> 54Cr24 + 18O8 + 13.978 MeV [-3.190 MeV] (A_Zn:519)
68Zn30 + 2 D* --> 65Cu29 + 7Li3 + 8.620 MeV [-8.549 MeV] (A_Zn:520)
68Zn30 + 2 D* --> 68Zn30 + 4He2 + 23.847 MeV [6.678 MeV] (A_Zn:521)
68Zn30 + 2 D* --> 71Ga31 + 1H1 + 19.115 MeV [1.947 MeV] (A_Zn:522)
68Zn30 + 2 D* --> 72Ge32 + 28.850 MeV [11.682 MeV] (A_Zn:523)

68Zn30 + 3 D* --> 64Ni28 + 10B5 + 24.448 MeV [-1.893 MeV] (A_Zn:524)
68Zn30 + 3 D* --> 65Cu29 + 9Be4 + 25.316 MeV [-1.026 MeV] (A_Zn:525)
68Zn30 + 3 D* --> 67Zn30 + 7Li3 + 22.372 MeV [-3.970 MeV] (A_Zn:526)
68Zn30 + 3 D* --> 68Zn30 + 6Li3 + 25.320 MeV [-1.021 MeV] (A_Zn:527)
68Zn30 + 3 D* --> 71Ga31 + 3He2 + 24.609 MeV [-1.733 MeV] (A_Zn:528)
68Zn30 + 3 D* --> 72Ge32 + 2H1 + 28.850 MeV [2.508 MeV] (A_Zn:529)
68Zn30 + 3 D* --> 73Ge32 + 1H1 + 33.409 MeV [7.067 MeV] (A_Zn:530)

68Zn30 + 4 D* --> 40Ar18 + 36S16 + 48.240 MeV [12.340 MeV] (A_Zn:531)
68Zn30 + 4 D* --> 46Ca20 + 30Si14 + 50.104 MeV [14.204 MeV] (A_Zn:532)
68Zn30 + 4 D* --> 48Ca20 + 28Si14 + 48.243 MeV [12.343 MeV] (A_Zn:533)
68Zn30 + 4 D* --> 50Ti22 + 26Mg12 + 50.177 MeV [14.277 MeV] (A_Zn:534)
68Zn30 + 4 D* --> 54Cr24 + 22Ne10 + 47.493 MeV [11.593 MeV] (A_Zn:535)

68Zn30 + 4 D* --> 58Fe26 + 18O8 + 45.471 MeV [9.571 MeV] (A_Zn:536)
68Zn30 + 4 D* --> 64Ni28 + 12C6 + 49.635 MeV [13.735 MeV] (A_Zn:537)
68Zn30 + 4 D* --> 65Cu29 + 11B5 + 41.131 MeV [5.232 MeV] (A_Zn:538)
68Zn30 + 4 D* --> 67Zn30 + 9Be4 + 39.068 MeV [3.169 MeV] (A_Zn:539)
68Zn30 + 4 D* --> 69Ga31 + 7Li3 + 36.955 MeV [1.056 MeV] (A_Zn:540)
68Zn30 + 4 D* --> 72Ge32 + 4He2 + 52.697 MeV [16.797 MeV] (A_Zn:541)
68Zn30 + 4 D* --> 73Ge32 + 3He2 + 38.902 MeV [3.002 MeV] (A_Zn:542)
68Zn30 + 4 D* --> 75As33 + 1H1 + 48.279 MeV [12.380 MeV] (A_Zn:543)
68Zn30 + 4 D* --> 76Se34 + 57.788 MeV [21.888 MeV] (A_Zn:544)

68Zn30 + 5 D* --> 64Ni28 + 14N7 + 59.907 MeV [14.072 MeV] (A_Zn:545)
68Zn30 + 5 D* --> 65Cu29 + 13C6 + 59.810 MeV [13.974 MeV] (A_Zn:546)
68Zn30 + 5 D* --> 67Zn30 + 11B5 + 54.884 MeV [9.048 MeV] (A_Zn:547)
68Zn30 + 5 D* --> 68Zn30 + 10B5 + 53.628 MeV [7.792 MeV] (A_Zn:548)
68Zn30 + 5 D* --> 69Ga31 + 9Be4 + 53.651 MeV [7.816 MeV] (A_Zn:549)
68Zn30 + 5 D* --> 72Ge32 + 6Li3 + 54.171 MeV [8.335 MeV] (A_Zn:550)
68Zn30 + 5 D* --> 75As33 + 3He2 + 53.773 MeV [7.937 MeV] (A_Zn:551)
68Zn30 + 5 D* --> 76Se34 + 2H1 + 57.788 MeV [11.952 MeV] (A_Zn:552)
68Zn30 + 5 D* --> 77Se34 + 1H1 + 62.982 MeV [17.146 MeV] (A_Zn:553)

68Zn30 + 6 D* --> 40Ar18 + 40Ar18 + 78.887 MeV [22.742 MeV] (A_Zn:554)
68Zn30 + 6 D* --> 44Ca20 + 36S16 + 80.940 MeV [24.795 MeV] (A_Zn:555)
68Zn30 + 6 D* --> 46Ca20 + 34S16 + 81.874 MeV [25.729 MeV] (A_Zn:556)
68Zn30 + 6 D* --> 48Ca20 + 32S16 + 79.037 MeV [22.892 MeV] (A_Zn:557)
68Zn30 + 6 D* --> 50Ti22 + 30Si14 + 84.667 MeV [28.522 MeV] (A_Zn:558)
68Zn30 + 6 D* --> 54Cr24 + 26Mg12 + 81.954 MeV [25.810 MeV] (A_Zn:559)
68Zn30 + 6 D* --> 58Fe26 + 22Ne10 + 78.985 MeV [22.841 MeV] (A_Zn:560)
68Zn30 + 6 D* --> 62Ni28 + 18O8 + 76.335 MeV [20.190 MeV] (A_Zn:561)
68Zn30 + 6 D* --> 64Ni28 + 16O8 + 80.643 MeV [24.499 MeV] (A_Zn:562)
68Zn30 + 6 D* --> 65Cu29 + 15N7 + 75.969 MeV [19.825 MeV] (A_Zn:563)
68Zn30 + 6 D* --> 67Zn30 + 13C6 + 73.563 MeV [17.418 MeV] (A_Zn:564)
68Zn30 + 6 D* --> 68Zn30 + 12C6 + 78.814 MeV [22.670 MeV] (A_Zn:565)
68Zn30 + 6 D* --> 69Ga31 + 11B5 + 69.467 MeV [13.322 MeV] (A_Zn:566)
68Zn30 + 6 D* --> 76Se34 + 4He2 + 81.634 MeV [25.490 MeV] (A_Zn:567)
68Zn30 + 6 D* --> 77Se34 + 3He2 + 68.475 MeV [12.331 MeV] (A_Zn:568)
68Zn30 + 6 D* --> 79Br35 + 1H1 + 77.587 MeV [21.442 MeV] (A_Zn:569)
68Zn30 + 6 D* --> 80Kr36 + 86.700 MeV [30.555 MeV] (A_Zn:570)

68Zn30 + 7 D* --> 65Cu29 + 17O8 + 90.015 MeV [23.194 MeV] (A_Zn:571)
68Zn30 + 7 D* --> 67Zn30 + 15N7 + 89.722 MeV [22.901 MeV] (A_Zn:572)
68Zn30 + 7 D* --> 68Zn30 + 14N7 + 89.087 MeV [22.265 MeV] (A_Zn:573)
68Zn30 + 7 D* --> 69Ga31 + 13C6 + 88.146 MeV [21.324 MeV] (A_Zn:574)
68Zn30 + 7 D* --> 72Ge32 + 10B5 + 82.478 MeV [15.657 MeV] (A_Zn:575)
68Zn30 + 7 D* --> 76Se34 + 6Li3 + 83.108 MeV [16.287 MeV] (A_Zn:576)
68Zn30 + 7 D* --> 79Br35 + 3He2 + 83.080 MeV [16.259 MeV] (A_Zn:577)
68Zn30 + 7 D* --> 80Kr36 + 2H1 + 86.700 MeV [19.878 MeV] (A_Zn:578)

68Zn30 + 8 D* --> 44Ca20 + 40Ar18 + 111.587 MeV [33.726 MeV] (A_Zn:579)
68Zn30 + 8 D* --> 46Ca20 + 38Ar18 + 112.928 MeV [35.068 MeV] (A_Zn:580)
68Zn30 + 8 D* --> 48Ca20 + 36Ar18 + 109.524 MeV [31.664 MeV] (A_Zn:581)
68Zn30 + 8 D* --> 48Ti22 + 36S16 + 114.230 MeV [36.370 MeV] (A_Zn:582)
68Zn30 + 8 D* --> 50Ti22 + 34S16 + 116.437 MeV [38.576 MeV] (A_Zn:583)
68Zn30 + 8 D* --> 54Cr24 + 30Si14 + 116.444 MeV [38.583 MeV] (A_Zn:584)
68Zn30 + 8 D* --> 58Fe26 + 26Mg12 + 113.447 MeV [35.586 MeV] (A_Zn:585)

68Zn30 + 8 D* --> 62Ni28 + 22Ne10 + 109.849 MeV [31.989 MeV] (A_Zn:586)
68Zn30 + 8 D* --> 64Ni28 + 20Ne10 + 109.220 MeV [31.359 MeV] (A_Zn:587)
68Zn30 + 8 D* --> 65Cu29 + 19F9 + 103.830 MeV [25.969 MeV] (A_Zn:588)
68Zn30 + 8 D* --> 66Zn30 + 18O8 + 104.760 MeV [26.899 MeV] (A_Zn:589)
68Zn30 + 8 D* --> 67Zn30 + 17O8 + 103.768 MeV [25.907 MeV] (A_Zn:590)
68Zn30 + 8 D* --> 68Zn30 + 16O8 + 109.823 MeV [31.962 MeV] (A_Zn:591)
68Zn30 + 8 D* --> 69Ga31 + 15N7 + 104.305 MeV [26.444 MeV] (A_Zn:592)
68Zn30 + 8 D* --> 72Ge32 + 12C6 + 107.664 MeV [29.804 MeV] (A_Zn:593)
68Zn30 + 8 D* --> 80Kr36 + 4He2 + 110.546 MeV [32.686 MeV] (A_Zn:594)
68Zn30 + 8 D* --> 84Sr38 + 115.722 MeV [37.862 MeV] (A_Zn:595)

68Zn30 + 9 D* --> 46Ca20 + 40K19 + 124.885 MeV [35.627 MeV] (A_Zn:596)
68Zn30 + 9 D* --> 49Ti22 + 37Cl17 + 128.535 MeV [39.277 MeV] (A_Zn:597)
68Zn30 + 9 D* --> 50V23 + 36S16 + 128.100 MeV [38.842 MeV] (A_Zn:598)
68Zn30 + 9 D* --> 65Cu29 + 21Ne10 + 121.210 MeV [31.952 MeV] (A_Zn:599)
68Zn30 + 9 D* --> 67Zn30 + 19F9 + 117.582 MeV [28.324 MeV] (A_Zn:600)
68Zn30 + 9 D* --> 69Ga31 + 17O8 + 118.351 MeV [29.093 MeV] (A_Zn:601)
68Zn30 + 9 D* --> 72Ge32 + 14N7 + 117.937 MeV [28.679 MeV] (A_Zn:602)
68Zn30 + 9 D* --> 76Se34 + 10B5 + 111.416 MeV [22.158 MeV] (A_Zn:603)
68Zn30 + 9 D* --> 80Kr36 + 6Li3 + 112.020 MeV [22.762 MeV] (A_Zn:604)
68Zn30 + 9 D* --> 84Sr38 + 2H1 + 115.722 MeV [26.465 MeV] (A_Zn:605)

68Zn30 + 10 D* --> 44Ca20 + 44Ca20 + 144.287 MeV [43.279 MeV] (A_Zn:606)
68Zn30 + 10 D* --> 46Ca20 + 42Ca20 + 143.032 MeV [42.024 MeV] (A_Zn:607)
68Zn30 + 10 D* --> 48Ca20 + 40Ca20 + 140.410 MeV [39.402 MeV] (A_Zn:608)
68Zn30 + 10 D* --> 48Ti22 + 40Ar18 + 144.878 MeV [43.870 MeV] (A_Zn:609)
68Zn30 + 10 D* --> 50Ti22 + 38Ar18 + 147.491 MeV [46.483 MeV] (A_Zn:610)
68Zn30 + 10 D* --> 51V23 + 37Cl17 + 145.313 MeV [44.305 MeV] (A_Zn:611)
68Zn30 + 10 D* --> 52Cr24 + 36S16 + 147.431 MeV [46.423 MeV] (A_Zn:612)
68Zn30 + 10 D* --> 54Cr24 + 34S16 + 148.214 MeV [47.206 MeV] (A_Zn:613)
68Zn30 + 10 D* --> 58Fe26 + 30Si14 + 147.936 MeV [46.928 MeV] (A_Zn:614)
68Zn30 + 10 D* --> 62Ni28 + 26Mg12 + 144.311 MeV [43.303 MeV] (A_Zn:615)
68Zn30 + 10 D* --> 64Ni28 + 24Mg12 + 142.383 MeV [41.375 MeV] (A_Zn:616)
68Zn30 + 10 D* --> 65Cu29 + 23Na11 + 138.144 MeV [37.135 MeV] (A_Zn:617)
68Zn30 + 10 D* --> 66Zn30 + 22Ne10 + 138.274 MeV [37.266 MeV] (A_Zn:618)
68Zn30 + 10 D* --> 67Zn30 + 21Ne10 + 134.962 MeV [33.954 MeV] (A_Zn:619)
68Zn30 + 10 D* --> 68Zn30 + 20Ne10 + 138.399 MeV [37.391 MeV] (A_Zn:620)
68Zn30 + 10 D* --> 69Ga31 + 19F9 + 132.165 MeV [31.157 MeV] (A_Zn:621)
68Zn30 + 10 D* --> 70Ge32 + 18O8 + 132.695 MeV [31.687 MeV] (A_Zn:622)
68Zn30 + 10 D* --> 72Ge32 + 16O8 + 138.673 MeV [37.665 MeV] (A_Zn:623)
68Zn30 + 10 D* --> 76Se34 + 12C6 + 136.602 MeV [35.594 MeV] (A_Zn:624)
68Zn30 + 10 D* --> 84Sr38 + 4He2 + 139.569 MeV [38.561 MeV] (A_Zn:625)

68Zn30 + 11 D* --> 49Ti22 + 41K19 + 158.604 MeV [45.496 MeV] (A_Zn:626)
68Zn30 + 11 D* --> 50Ti22 + 40K19 + 159.448 MeV [46.340 MeV] (A_Zn:627)
68Zn30 + 11 D* --> 50V23 + 40Ar18 + 158.747 MeV [45.640 MeV] (A_Zn:628)
68Zn30 + 11 D* --> 53Cr24 + 37Cl17 + 161.532 MeV [48.425 MeV] (A_Zn:629)
68Zn30 + 11 D* --> 65Cu29 + 25Mg12 + 154.942 MeV [41.835 MeV] (A_Zn:630)
68Zn30 + 11 D* --> 67Zn30 + 23Na11 + 151.896 MeV [38.789 MeV] (A_Zn:631)
68Zn30 + 11 D* --> 69Ga31 + 21Ne10 + 149.545 MeV [36.438 MeV] (A_Zn:632)
68Zn30 + 11 D* --> 76Se34 + 14N7 + 146.874 MeV [33.767 MeV] (A_Zn:633)
68Zn30 + 11 D* --> 80Kr36 + 10B5 + 140.327 MeV [27.220 MeV] (A_Zn:634)
68Zn30 + 11 D* --> 84Sr38 + 6Li3 + 141.043 MeV [27.935 MeV] (A_Zn:635)

68Zn30 + 12 D* --> 46Ca20 + 46Ti22 + 174.880 MeV [49.329 MeV] (A_Zn:636)
68Zn30 + 12 D* --> 46Ti22 + 46Ca20 + 174.880 MeV [49.329 MeV] (A_Zn:637)
68Zn30 + 12 D* --> 48Ti22 + 44Ca20 + 177.578 MeV [52.026 MeV] (A_Zn:638)
68Zn30 + 12 D* --> 49Ti22 + 43Ca20 + 174.589 MeV [49.037 MeV] (A_Zn:639)
68Zn30 + 12 D* --> 50Ti22 + 42Ca20 + 177.595 MeV [52.044 MeV] (A_Zn:640)
68Zn30 + 12 D* --> 51V23 + 41K19 + 175.382 MeV [49.830 MeV] (A_Zn:641)
68Zn30 + 12 D* --> 52Cr24 + 40Ar18 + 178.078 MeV [52.527 MeV] (A_Zn:642)
68Zn30 + 12 D* --> 54Cr24 + 38Ar18 + 179.269 MeV [53.717 MeV] (A_Zn:643)
68Zn30 + 12 D* --> 55Mn25 + 37Cl17 + 177.094 MeV [51.542 MeV] (A_Zn:644)
68Zn30 + 12 D* --> 56Fe26 + 36S16 + 178.891 MeV [53.339 MeV] (A_Zn:645)
68Zn30 + 12 D* --> 58Fe26 + 34S16 + 179.707 MeV [54.155 MeV] (A_Zn:646)
68Zn30 + 12 D* --> 62Ni28 + 30Si14 + 178.800 MeV [53.249 MeV] (A_Zn:647)
68Zn30 + 12 D* --> 64Ni28 + 28Si14 + 176.214 MeV [50.662 MeV] (A_Zn:648)
68Zn30 + 12 D* --> 65Cu29 + 27Al13 + 172.082 MeV [46.530 MeV] (A_Zn:649)
68Zn30 + 12 D* --> 66Zn30 + 26Mg12 + 172.735 MeV [47.184 MeV] (A_Zn:650)
68Zn30 + 12 D* --> 67Zn30 + 25Mg12 + 168.695 MeV [43.143 MeV] (A_Zn:651)
68Zn30 + 12 D* --> 68Zn30 + 24Mg12 + 171.562 MeV [46.011 MeV] (A_Zn:652)
68Zn30 + 12 D* --> 69Ga31 + 23Na11 + 166.479 MeV [40.928 MeV] (A_Zn:653)
68Zn30 + 12 D* --> 70Ge32 + 22Ne10 + 166.209 MeV [40.658 MeV] (A_Zn:654)
68Zn30 + 12 D* --> 72Ge32 + 20Ne10 + 167.249 MeV [41.698 MeV] (A_Zn:655)
68Zn30 + 12 D* --> 74Se34 + 18O8 + 160.616 MeV [35.064 MeV] (A_Zn:656)
68Zn30 + 12 D* --> 76Se34 + 16O8 + 167.610 MeV [42.059 MeV] (A_Zn:657)
68Zn30 + 12 D* --> 80Kr36 + 12C6 + 165.514 MeV [39.963 MeV] (A_Zn:658)
68Zn30 + 12 D* --> 92Mo42 + 174.426 MeV [48.875 MeV] (A_Zn:659)

70Zn30 + 2 D* --> 48Ca20 + 26Mg12 + 17.136 MeV [00.123 MeV] (A_Zn:660)
70Zn30 + 2 D* --> 70Zn30 + 4He2 + 23.847 MeV [6.834 MeV] (A_Zn:661)
70Zn30 + 2 D* --> 74Ge32 + 30.129 MeV [13.117 MeV] (A_Zn:662)

70Zn30 + 3 D* --> 70Zn30 + 6Li3 + 25.320 MeV [-0.788 MeV] (A_Zn:663)
70Zn30 + 3 D* --> 74Ge32 + 2H1 + 30.129 MeV [4.020 MeV] (A_Zn:664)

70Zn30 + 4 D* --> 48Ca20 + 30Si14 + 51.625 MeV [16.035 MeV] (A_Zn:665)
70Zn30 + 4 D* --> 71Ga31 + 7Li3 + 38.210 MeV [2.620 MeV] (A_Zn:666)
70Zn30 + 4 D* --> 74Ge32 + 4He2 + 53.976 MeV [18.386 MeV] (A_Zn:667)
70Zn30 + 4 D* --> 78Se34 + 60.004 MeV [24.414 MeV] (A_Zn:668)

70Zn30 + 5 D* --> 70Zn30 + 10B5 + 53.628 MeV [8.177 MeV] (A_Zn:669)
70Zn30 + 5 D* --> 71Ga31 + 9Be4 + 54.907 MeV [9.456 MeV] (A_Zn:670)
70Zn30 + 5 D* --> 73Ge32 + 7Li3 + 52.503 MeV [7.053 MeV] (A_Zn:671)
70Zn30 + 5 D* --> 74Ge32 + 6Li3 + 55.450 MeV [9.999 MeV] (A_Zn:672)
70Zn30 + 5 D* --> 78Se34 + 2H1 + 60.004 MeV [14.554 MeV] (A_Zn:673)

70Zn30 + 6 D* --> 46Ca20 + 36S16 + 83.049 MeV [27.364 MeV] (A_Zn:674)
70Zn30 + 6 D* --> 48Ca20 + 34S16 + 83.396 MeV [27.711 MeV] (A_Zn:675)
70Zn30 + 6 D* --> 64Ni28 + 18O8 + 77.130 MeV [21.446 MeV] (A_Zn:676)
70Zn30 + 6 D* --> 70Zn30 + 12C6 + 78.814 MeV [23.130 MeV] (A_Zn:677)
70Zn30 + 6 D* --> 71Ga31 + 11B5 + 70.722 MeV [15.038 MeV] (A_Zn:678)
70Zn30 + 6 D* --> 73Ge32 + 9Be4 + 69.200 MeV [13.515 MeV] (A_Zn:679)
70Zn30 + 6 D* --> 75As33 + 7Li3 + 67.374 MeV [11.690 MeV] (A_Zn:680)
70Zn30 + 6 D* --> 78Se34 + 4He2 + 83.851 MeV [28.166 MeV] (A_Zn:681)
70Zn30 + 6 D* --> 81Br35 + 1H1 + 79.936 MeV [24.251 MeV] (A_Zn:682)
70Zn30 + 6 D* --> 82Kr36 + 89.839 MeV [34.155 MeV] (A_Zn:683)

70Zn30 + 7 D* --> 70Zn30 + 14N7 + 89.087 MeV [22.800 MeV] (A_Zn:684)
70Zn30 + 7 D* --> 71Ga31 + 13C6 + 89.401 MeV [23.114 MeV] (A_Zn:685)
70Zn30 + 7 D* --> 73Ge32 + 11B5 + 85.015 MeV [18.728 MeV] (A_Zn:686)
70Zn30 + 7 D* --> 74Ge32 + 10B5 + 83.757 MeV [17.470 MeV] (A_Zn:687)
70Zn30 + 7 D* --> 75As33 + 9Be4 + 84.070 MeV [17.783 MeV] (A_Zn:688)
70Zn30 + 7 D* --> 77Se34 + 7Li3 + 82.077 MeV [15.790 MeV] (A_Zn:689)
70Zn30 + 7 D* --> 78Se34 + 6Li3 + 85.325 MeV [19.038 MeV] (A_Zn:690)
70Zn30 + 7 D* --> 81Br35 + 3He2 + 85.429 MeV [19.142 MeV] (A_Zn:691)
70Zn30 + 7 D* --> 82Kr36 + 2H1 + 89.839 MeV [23.552 MeV] (A_Zn:692)
70Zn30 + 7 D* --> 83Kr36 + 1H1 + 95.078 MeV [28.791 MeV] (A_Zn:693)

70Zn30 + 8 D* --> 46Ca20 + 40Ar18 + 113.696 MeV [36.444 MeV] (A_Zn:694)
70Zn30 + 8 D* --> 48Ca20 + 38Ar18 + 114.450 MeV [37.198 MeV] (A_Zn:695)
70Zn30 + 8 D* --> 50Ti22 + 36S16 + 117.612 MeV [40.360 MeV] (A_Zn:696)
70Zn30 + 8 D* --> 64Ni28 + 22Ne10 + 110.645 MeV [33.393 MeV] (A_Zn:697)
70Zn30 + 8 D* --> 68Zn30 + 18O8 + 106.310 MeV [29.058 MeV] (A_Zn:698)
70Zn30 + 8 D* --> 70Zn30 + 16O8 + 109.823 MeV [32.570 MeV] (A_Zn:699)
70Zn30 + 8 D* --> 71Ga31 + 15N7 + 105.560 MeV [28.308 MeV] (A_Zn:700)
70Zn30 + 8 D* --> 73Ge32 + 13C6 + 103.694 MeV [26.441 MeV] (A_Zn:701)
70Zn30 + 8 D* --> 74Ge32 + 12C6 + 108.944 MeV [31.691 MeV] (A_Zn:702)
70Zn30 + 8 D* --> 75As33 + 11B5 + 99.886 MeV [22.633 MeV] (A_Zn:703)
70Zn30 + 8 D* --> 77Se34 + 9Be4 + 98.773 MeV [21.521 MeV] (A_Zn:704)
70Zn30 + 8 D* --> 79Br35 + 7Li3 + 96.681 MeV [19.429 MeV] (A_Zn:705)
70Zn30 + 8 D* --> 82Kr36 + 4He2 + 113.686 MeV [36.433 MeV] (A_Zn:706)
70Zn30 + 8 D* --> 83Kr36 + 3He2 + 100.572 MeV [23.319 MeV] (A_Zn:707)
70Zn30 + 8 D* --> 85Rb37 + 1H1 + 110.399 MeV [33.147 MeV] (A_Zn:708)
70Zn30 + 8 D* --> 86Sr38 + 120.045 MeV [42.792 MeV] (A_Zn:709)

70Zn30 + 9 D* --> 48Ca20 + 40K19 + 126.406 MeV [37.830 MeV] (A_Zn:710)
70Zn30 + 9 D* --> 71Ga31 + 17O8 + 119.606 MeV [31.030 MeV] (A_Zn:711)
70Zn30 + 9 D* --> 73Ge32 + 15N7 + 119.853 MeV [31.277 MeV] (A_Zn:712)
70Zn30 + 9 D* --> 74Ge32 + 14N7 + 119.216 MeV [30.640 MeV] (A_Zn:713)
70Zn30 + 9 D* --> 75As33 + 13C6 + 118.564 MeV [29.988 MeV] (A_Zn:714)
70Zn30 + 9 D* --> 77Se34 + 11B5 + 114.589 MeV [26.012 MeV] (A_Zn:715)
70Zn30 + 9 D* --> 78Se34 + 10B5 + 113.632 MeV [25.056 MeV] (A_Zn:716)
70Zn30 + 9 D* --> 79Br35 + 9Be4 + 113.378 MeV [24.801 MeV] (A_Zn:717)
70Zn30 + 9 D* --> 82Kr36 + 6Li3 + 115.160 MeV [26.583 MeV] (A_Zn:718)
70Zn30 + 9 D* --> 85Rb37 + 3He2 + 115.893 MeV [27.317 MeV] (A_Zn:719)
70Zn30 + 9 D* --> 86Sr38 + 2H1 + 120.045 MeV [31.468 MeV] (A_Zn:720)
70Zn30 + 9 D* --> 87Sr38 + 1H1 + 126.248 MeV [37.672 MeV] (A_Zn:721)

70Zn30 + 10 D* --> 46Ca20 + 44Ca20 + 146.396 MeV [46.142 MeV] (A_Zn:722)
70Zn30 + 10 D* --> 48Ca20 + 42Ca20 + 144.554 MeV [44.299 MeV] (A_Zn:723)
70Zn30 + 10 D* --> 50Ti22 + 40Ar18 + 148.259 MeV [48.005 MeV] (A_Zn:724)
70Zn30 + 10 D* --> 54Cr24 + 36S16 + 149.389 MeV [49.135 MeV] (A_Zn:725)
70Zn30 + 10 D* --> 64Ni28 + 26Mg12 + 145.106 MeV [44.852 MeV] (A_Zn:726)
70Zn30 + 10 D* --> 68Zn30 + 22Ne10 + 139.825 MeV [39.570 MeV] (A_Zn:727)
70Zn30 + 10 D* --> 70Zn30 + 20Ne10 + 138.399 MeV [38.145 MeV] (A_Zn:728)
70Zn30 + 10 D* --> 71Ga31 + 19F9 + 133.420 MeV [33.166 MeV] (A_Zn:729)
70Zn30 + 10 D* --> 72Ge32 + 18O8 + 135.160 MeV [34.906 MeV] (A_Zn:730)
70Zn30 + 10 D* --> 73Ge32 + 17O8 + 133.899 MeV [33.645 MeV] (A_Zn:731)
70Zn30 + 10 D* --> 74Ge32 + 16O8 + 139.952 MeV [39.698 MeV] (A_Zn:732)
70Zn30 + 10 D* --> 75As33 + 15N7 + 134.724 MeV [34.469 MeV] (A_Zn:733)

70Zn30 + 10 D* --> 77Se34 + 13C6 + 133.267 MeV [33.013 MeV] (A_Zn:734)
70Zn30 + 10 D* --> 78Se34 + 12C6 + 138.819 MeV [38.564 MeV] (A_Zn:735)
70Zn30 + 10 D* --> 79Br35 + 11B5 + 129.193 MeV [28.939 MeV] (A_Zn:736)
70Zn30 + 10 D* --> 86Sr38 + 4He2 + 143.891 MeV [43.637 MeV] (A_Zn:737)
70Zn30 + 10 D* --> 87Sr38 + 3He2 + 131.742 MeV [31.487 MeV] (A_Zn:738)
70Zn30 + 10 D* --> 89Y39 + 1H1 + 142.205 MeV [41.951 MeV] (A_Zn:739)
70Zn30 + 10 D* --> 90Zr40 + 150.560 MeV [50.306 MeV] (A_Zn:740)

70Zn30 + 11 D* --> 71Ga31 + 21Ne10 + 150.800 MeV [38.519 MeV] (A_Zn:741)
70Zn30 + 11 D* --> 73Ge32 + 19F9 + 147.713 MeV [35.431 MeV] (A_Zn:742)
70Zn30 + 11 D* --> 75As33 + 17O8 + 148.770 MeV [36.488 MeV] (A_Zn:743)
70Zn30 + 11 D* --> 77Se34 + 15N7 + 149.426 MeV [37.145 MeV] (A_Zn:744)
70Zn30 + 11 D* --> 78Se34 + 14N7 + 149.091 MeV [36.809 MeV] (A_Zn:745)
70Zn30 + 11 D* --> 79Br35 + 13C6 + 147.872 MeV [35.590 MeV] (A_Zn:746)
70Zn30 + 11 D* --> 82Kr36 + 10B5 + 143.467 MeV [31.185 MeV] (A_Zn:747)
70Zn30 + 11 D* --> 86Sr38 + 6Li3 + 145.365 MeV [33.083 MeV] (A_Zn:748)
70Zn30 + 11 D* --> 89Y39 + 3He2 + 147.699 MeV [35.417 MeV] (A_Zn:749)
70Zn30 + 11 D* --> 90Zr40 + 2H1 + 150.560 MeV [38.278 MeV] (A_Zn:750)
70Zn30 + 11 D* --> 91Zr40 + 1H1 + 155.530 MeV [43.248 MeV] (A_Zn:751)

70Zn30 + 12 D* --> 48Ca20 + 46Ti22 + 176.402 MeV [51.747 MeV] (A_Zn:752)
70Zn30 + 12 D* --> 48Ti22 + 46Ca20 + 179.687 MeV [55.032 MeV] (A_Zn:753)
70Zn30 + 12 D* --> 50Ti22 + 44Ca20 + 180.959 MeV [56.305 MeV] (A_Zn:754)
70Zn30 + 12 D* --> 54Cr24 + 40Ar18 + 180.036 MeV [55.382 MeV] (A_Zn:755)
70Zn30 + 12 D* --> 58Fe26 + 36S16 + 180.882 MeV [56.227 MeV] (A_Zn:756)
70Zn30 + 12 D* --> 64Ni28 + 30Si14 + 179.596 MeV [54.942 MeV] (A_Zn:757)
70Zn30 + 12 D* --> 68Zn30 + 26Mg12 + 174.286 MeV [49.631 MeV] (A_Zn:758)
70Zn30 + 12 D* --> 70Zn30 + 24Mg12 + 171.562 MeV [46.908 MeV] (A_Zn:759)
70Zn30 + 12 D* --> 71Ga31 + 23Na11 + 167.734 MeV [43.080 MeV] (A_Zn:760)
70Zn30 + 12 D* --> 72Ge32 + 22Ne10 + 168.675 MeV [44.020 MeV] (A_Zn:761)
70Zn30 + 12 D* --> 73Ge32 + 21Ne10 + 165.093 MeV [40.439 MeV] (A_Zn:762)
70Zn30 + 12 D* --> 74Ge32 + 20Ne10 + 168.528 MeV [43.874 MeV] (A_Zn:763)
70Zn30 + 12 D* --> 75As33 + 19F9 + 162.584 MeV [37.929 MeV] (A_Zn:764)
70Zn30 + 12 D* --> 76Se34 + 18O8 + 164.098 MeV [39.443 MeV] (A_Zn:765)
70Zn30 + 12 D* --> 77Se34 + 17O8 + 163.472 MeV [38.818 MeV] (A_Zn:766)
70Zn30 + 12 D* --> 78Se34 + 16O8 + 169.827 MeV [45.173 MeV] (A_Zn:767)
70Zn30 + 12 D* --> 79Br35 + 15N7 + 164.031 MeV [39.376 MeV] (A_Zn:768)
70Zn30 + 12 D* --> 82Kr36 + 12C6 + 168.654 MeV [43.999 MeV] (A_Zn:769)
70Zn30 + 12 D* --> 90Zr40 + 4He2 + 174.406 MeV [49.752 MeV] (A_Zn:770)
70Zn30 + 12 D* --> 91Zr40 + 3He2 + 161.023 MeV [36.369 MeV] (A_Zn:771)
70Zn30 + 12 D* --> 93Nb41 + 1H1 + 167.983 MeV [43.329 MeV] (A_Zn:772)
70Zn30 + 12 D* --> 94Mo42 + 176.474 MeV [51.819 MeV] (A_Zn:773)

---------- Equations follow for Gallium, Ga, element 31 ----------

69Ga31 + D* --> 46Ca20 + 25Mg12 + 00.136 MeV [-8.489 MeV] (A_Ga:1)
69Ga31 + D* --> 49Ti22 + 22Ne10 + 00.391 MeV [-8.233 MeV] (A_Ga:2)
69Ga31 + D* --> 50Ti22 + 21Ne10 + 00.966 MeV [-7.658 MeV] (A_Ga:3)
69Ga31 + D* --> 54Cr24 + 17O8 + 1.549 MeV [-7.075 MeV] (A_Ga:4)
69Ga31 + D* --> 58Fe26 + 13C6 + 2.836 MeV [-5.788 MeV] (A_Ga:5)
69Ga31 + D* --> 67Zn30 + 4He2 + 9.263 MeV [00.639 MeV] (A_Ga:6)

69Ga31 + 2 D* --> 37Cl17 + 36S16 + 19.369 MeV [1.728 MeV] (A_Ga:7)
69Ga31 + 2 D* --> 46Ca20 + 27Al13 + 17.275 MeV [-0.366 MeV] (A_Ga:8)

69Ga31 + 2 D* --> 50Ti22 + 23Na11 + 17.900 MeV [00.259 MeV] (A_Ga:9)
69Ga31 + 2 D* --> 51V23 + 22Ne10 + 17.170 MeV [-0.471 MeV] (A_Ga:10)
69Ga31 + 2 D* --> 54Cr24 + 19F9 + 15.364 MeV [-2.277 MeV] (A_Ga:11)
69Ga31 + 2 D* --> 55Mn25 + 18O8 + 15.436 MeV [-2.205 MeV] (A_Ga:12)
69Ga31 + 2 D* --> 58Fe26 + 15N7 + 18.996 MeV [1.355 MeV] (A_Ga:13)
69Ga31 + 2 D* --> 62Ni28 + 11B5 + 15.022 MeV [-2.619 MeV] (A_Ga:14)
69Ga31 + 2 D* --> 66Zn30 + 7Li3 + 10.935 MeV [-6.706 MeV] (A_Ga:15)
69Ga31 + 2 D* --> 67Zn30 + 6Li3 + 10.737 MeV [-6.904 MeV] (A_Ga:16)
69Ga31 + 2 D* --> 69Ga31 + 4He2 + 23.847 MeV [6.205 MeV] (A_Ga:17)
69Ga31 + 2 D* --> 72Ge32 + 1H1 + 22.241 MeV [4.600 MeV] (A_Ga:18)

69Ga31 + 3 D* --> 46Ca20 + 29Si14 + 35.110 MeV [8.066 MeV] (A_Ga:19)
69Ga31 + 3 D* --> 49Ti22 + 26Mg12 + 34.853 MeV [7.809 MeV] (A_Ga:20)
69Ga31 + 3 D* --> 50Ti22 + 25Mg12 + 34.699 MeV [7.655 MeV] (A_Ga:21)
69Ga31 + 3 D* --> 53Cr24 + 22Ne10 + 33.389 MeV [6.345 MeV] (A_Ga:22)
69Ga31 + 3 D* --> 54Cr24 + 21Ne10 + 32.744 MeV [5.700 MeV] (A_Ga:23)
69Ga31 + 3 D* --> 57Fe26 + 18O8 + 31.041 MeV [3.997 MeV] (A_Ga:24)
69Ga31 + 3 D* --> 58Fe26 + 17O8 + 33.042 MeV [5.998 MeV] (A_Ga:25)
69Ga31 + 3 D* --> 62Ni28 + 13C6 + 33.700 MeV [6.657 MeV] (A_Ga:26)
69Ga31 + 3 D* --> 65Cu29 + 10B5 + 25.292 MeV [-1.751 MeV] (A_Ga:27)
69Ga31 + 3 D* --> 66Zn30 + 9Be4 + 27.631 MeV [00.587 MeV] (A_Ga:28)
69Ga31 + 3 D* --> 69Ga31 + 6Li3 + 25.320 MeV [-1.723 MeV] (A_Ga:29)
69Ga31 + 3 D* --> 72Ge32 + 3He2 + 27.734 MeV [00.690 MeV] (A_Ga:30)

69Ga31 + 4 D* --> 40Ar18 + 37Cl17 + 50.017 MeV [13.190 MeV] (A_Ga:31)
69Ga31 + 4 D* --> 41K19 + 36S16 + 49.438 MeV [12.612 MeV] (A_Ga:32)
69Ga31 + 4 D* --> 46Ca20 + 31P15 + 50.791 MeV [13.965 MeV] (A_Ga:33)
69Ga31 + 4 D* --> 50Ti22 + 27Al13 + 51.838 MeV [15.012 MeV] (A_Ga:34)
69Ga31 + 4 D* --> 51V23 + 26Mg12 + 51.631 MeV [14.805 MeV] (A_Ga:35)
69Ga31 + 4 D* --> 54Cr24 + 23Na11 + 49.678 MeV [12.851 MeV] (A_Ga:36)
69Ga31 + 4 D* --> 55Mn25 + 22Ne10 + 48.950 MeV [12.124 MeV] (A_Ga:37)
69Ga31 + 4 D* --> 58Fe26 + 19F9 + 46.856 MeV [10.029 MeV] (A_Ga:38)
69Ga31 + 4 D* --> 59Co27 + 18O8 + 46.225 MeV [9.399 MeV] (A_Ga:39)
69Ga31 + 4 D* --> 62Ni28 + 15N7 + 49.860 MeV [13.033 MeV] (A_Ga:40)
69Ga31 + 4 D* --> 65Cu29 + 12C6 + 50.479 MeV [13.652 MeV] (A_Ga:41)
69Ga31 + 4 D* --> 66Zn30 + 11B5 + 43.447 MeV [6.620 MeV] (A_Ga:42)
69Ga31 + 4 D* --> 67Zn30 + 10B5 + 39.045 MeV [2.218 MeV] (A_Ga:43)
69Ga31 + 4 D* --> 70Ge32 + 7Li3 + 38.870 MeV [2.044 MeV] (A_Ga:44)
69Ga31 + 4 D* --> 76Se34 + 1H1 + 51.178 MeV [14.352 MeV] (A_Ga:45)

69Ga31 + 5 D* --> 43Ca20 + 36S16 + 65.424 MeV [18.440 MeV] (A_Ga:46)
69Ga31 + 5 D* --> 46Ca20 + 33S16 + 66.072 MeV [19.088 MeV] (A_Ga:47)
69Ga31 + 5 D* --> 49Ti22 + 30Si14 + 69.343 MeV [22.359 MeV] (A_Ga:48)
69Ga31 + 5 D* --> 50Ti22 + 29Si14 + 69.673 MeV [22.689 MeV] (A_Ga:49)
69Ga31 + 5 D* --> 53Cr24 + 26Mg12 + 67.850 MeV [20.866 MeV] (A_Ga:50)
69Ga31 + 5 D* --> 54Cr24 + 25Mg12 + 66.476 MeV [19.492 MeV] (A_Ga:51)
69Ga31 + 5 D* --> 57Fe26 + 22Ne10 + 64.556 MeV [17.572 MeV] (A_Ga:52)
69Ga31 + 5 D* --> 58Fe26 + 21Ne10 + 64.236 MeV [17.252 MeV] (A_Ga:53)
69Ga31 + 5 D* --> 61Ni28 + 18O8 + 61.353 MeV [14.369 MeV] (A_Ga:54)
69Ga31 + 5 D* --> 62Ni28 + 17O8 + 63.906 MeV [16.922 MeV] (A_Ga:55)
69Ga31 + 5 D* --> 65Cu29 + 14N7 + 60.751 MeV [13.767 MeV] (A_Ga:56)
69Ga31 + 5 D* --> 66Zn30 + 13C6 + 62.125 MeV [15.141 MeV] (A_Ga:57)
69Ga31 + 5 D* --> 67Zn30 + 12C6 + 64.231 MeV [17.247 MeV] (A_Ga:58)
69Ga31 + 5 D* --> 69Ga31 + 10B5 + 53.628 MeV [6.644 MeV] (A_Ga:59)

69Ga31 + 5 D* --> 70Ge32 + 9Be4 + 55.566 MeV [8.583 MeV] (A_Ga:60)
69Ga31 + 5 D* --> 76Se34 + 3He2 + 56.672 MeV [9.688 MeV] (A_Ga:61)

69Ga31 + 6 D* --> 41K19 + 40Ar18 + 80.086 MeV [22.575 MeV] (A_Ga:62)
69Ga31 + 6 D* --> 44Ca20 + 37Cl17 + 82.717 MeV [25.206 MeV] (A_Ga:63)
69Ga31 + 6 D* --> 46Ca20 + 35Cl17 + 81.635 MeV [24.125 MeV] (A_Ga:64)
69Ga31 + 6 D* --> 45Sc21 + 36S16 + 81.218 MeV [23.708 MeV] (A_Ga:65)
69Ga31 + 6 D* --> 50Ti22 + 31P15 + 85.354 MeV [27.844 MeV] (A_Ga:66)
69Ga31 + 6 D* --> 51V23 + 30Si14 + 86.121 MeV [28.611 MeV] (A_Ga:67)
69Ga31 + 6 D* --> 54Cr24 + 27Al13 + 83.616 MeV [26.106 MeV] (A_Ga:68)
69Ga31 + 6 D* --> 55Mn25 + 26Mg12 + 83.412 MeV [25.902 MeV] (A_Ga:69)
69Ga31 + 6 D* --> 58Fe26 + 23Na11 + 81.170 MeV [23.660 MeV] (A_Ga:70)
69Ga31 + 6 D* --> 59Co27 + 22Ne10 + 79.740 MeV [22.230 MeV] (A_Ga:71)
69Ga31 + 6 D* --> 62Ni28 + 19F9 + 77.720 MeV [20.210 MeV] (A_Ga:72)
69Ga31 + 6 D* --> 63Cu29 + 18O8 + 75.848 MeV [18.337 MeV] (A_Ga:73)
69Ga31 + 6 D* --> 65Cu29 + 16O8 + 81.487 MeV [23.977 MeV] (A_Ga:74)
69Ga31 + 6 D* --> 66Zn30 + 15N7 + 78.285 MeV [20.774 MeV] (A_Ga:75)
69Ga31 + 6 D* --> 67Zn30 + 14N7 + 74.504 MeV [16.993 MeV] (A_Ga:76)
69Ga31 + 6 D* --> 69Ga31 + 12C6 + 78.814 MeV [21.304 MeV] (A_Ga:77)
69Ga31 + 6 D* --> 70Ge32 + 11B5 + 71.382 MeV [13.872 MeV] (A_Ga:78)
69Ga31 + 6 D* --> 74Se34 + 7Li3 + 66.791 MeV [9.281 MeV] (A_Ga:79)
69Ga31 + 6 D* --> 80Kr36 + 1H1 + 80.090 MeV [22.580 MeV] (A_Ga:80)

69Ga31 + 7 D* --> 43Ca20 + 40Ar18 + 96.071 MeV [27.670 MeV] (A_Ga:81)
69Ga31 + 7 D* --> 47Ti22 + 36S16 + 98.219 MeV [29.818 MeV] (A_Ga:82)
69Ga31 + 7 D* --> 49Ti22 + 34S16 + 101.113 MeV [32.712 MeV] (A_Ga:83)
69Ga31 + 7 D* --> 50Ti22 + 33S16 + 100.635 MeV [32.234 MeV] (A_Ga:84)
69Ga31 + 7 D* --> 53Cr24 + 30Si14 + 102.340 MeV [33.939 MeV] (A_Ga:85)
69Ga31 + 7 D* --> 54Cr24 + 29Si14 + 101.450 MeV [33.049 MeV] (A_Ga:86)
69Ga31 + 7 D* --> 57Fe26 + 26Mg12 + 99.017 MeV [30.616 MeV] (A_Ga:87)
69Ga31 + 7 D* --> 58Fe26 + 25Mg12 + 97.969 MeV [29.568 MeV] (A_Ga:88)
69Ga31 + 7 D* --> 61Ni28 + 22Ne10 + 94.868 MeV [26.467 MeV] (A_Ga:89)
69Ga31 + 7 D* --> 62Ni28 + 21Ne10 + 95.100 MeV [26.700 MeV] (A_Ga:90)
69Ga31 + 7 D* --> 66Zn30 + 17O8 + 92.331 MeV [23.930 MeV] (A_Ga:91)
69Ga31 + 7 D* --> 67Zn30 + 16O8 + 95.240 MeV [26.839 MeV] (A_Ga:92)
69Ga31 + 7 D* --> 69Ga31 + 14N7 + 89.087 MeV [20.686 MeV] (A_Ga:93)
69Ga31 + 7 D* --> 70Ge32 + 13C6 + 90.060 MeV [21.660 MeV] (A_Ga:94)
69Ga31 + 7 D* --> 74Se34 + 9Be4 + 83.487 MeV [15.087 MeV] (A_Ga:95)
69Ga31 + 7 D* --> 80Kr36 + 3He2 + 85.584 MeV [17.183 MeV] (A_Ga:96)

69Ga31 + 8 D* --> 44Ca20 + 41K19 + 112.786 MeV [33.135 MeV] (A_Ga:97)
69Ga31 + 8 D* --> 46Ca20 + 39K19 + 112.700 MeV [33.050 MeV] (A_Ga:98)
69Ga31 + 8 D* --> 45Sc21 + 40Ar18 + 111.866 MeV [32.216 MeV] (A_Ga:99)
69Ga31 + 8 D* --> 48Ti22 + 37Cl17 + 116.007 MeV [36.357 MeV] (A_Ga:100)
69Ga31 + 8 D* --> 50Ti22 + 35Cl17 + 116.198 MeV [36.548 MeV] (A_Ga:101)
69Ga31 + 8 D* --> 51V23 + 34S16 + 117.891 MeV [38.241 MeV] (A_Ga:102)
69Ga31 + 8 D* --> 54Cr24 + 31P15 + 117.131 MeV [37.481 MeV] (A_Ga:103)
69Ga31 + 8 D* --> 55Mn25 + 30Si14 + 117.902 MeV [38.251 MeV] (A_Ga:104)
69Ga31 + 8 D* --> 58Fe26 + 27Al13 + 115.108 MeV [35.458 MeV] (A_Ga:105)
69Ga31 + 8 D* --> 59Co27 + 26Mg12 + 114.201 MeV [34.551 MeV] (A_Ga:106)
69Ga31 + 8 D* --> 62Ni28 + 23Na11 + 112.034 MeV [32.384 MeV] (A_Ga:107)
69Ga31 + 8 D* --> 63Cu29 + 22Ne10 + 109.362 MeV [29.712 MeV] (A_Ga:108)
69Ga31 + 8 D* --> 65Cu29 + 20Ne10 + 110.064 MeV [30.413 MeV] (A_Ga:109)
69Ga31 + 8 D* --> 66Zn30 + 19F9 + 106.145 MeV [26.495 MeV] (A_Ga:110)

69Ga31 + 8 D* --> 69Ga31 + 16O8 + 109.823 MeV [30.173 MeV] (A_Ga:111)
69Ga31 + 8 D* --> 70Ge32 + 15N7 + 106.220 MeV [26.570 MeV] (A_Ga:112)
69Ga31 + 8 D* --> 74Se34 + 11B5 + 99.303 MeV [19.653 MeV] (A_Ga:113)
69Ga31 + 8 D* --> 78Kr36 + 7Li3 + 95.030 MeV [15.379 MeV] (A_Ga:114)
69Ga31 + 8 D* --> 84Sr38 + 1H1 + 109.113 MeV [29.463 MeV] (A_Ga:115)

69Ga31 + 9 D* --> 44Ca20 + 43Ca20 + 128.771 MeV [37.517 MeV] (A_Ga:116)
69Ga31 + 9 D* --> 47Ti22 + 40Ar18 + 128.866 MeV [37.612 MeV] (A_Ga:117)
69Ga31 + 9 D* --> 49Ti22 + 38Ar18 + 132.167 MeV [40.913 MeV] (A_Ga:118)
69Ga31 + 9 D* --> 50V23 + 37Cl17 + 129.877 MeV [38.623 MeV] (A_Ga:119)
69Ga31 + 9 D* --> 53Cr24 + 34S16 + 134.110 MeV [42.856 MeV] (A_Ga:120)
69Ga31 + 9 D* --> 54Cr24 + 33S16 + 132.412 MeV [41.158 MeV] (A_Ga:121)
69Ga31 + 9 D* --> 57Fe26 + 30Si14 + 133.507 MeV [42.253 MeV] (A_Ga:122)
69Ga31 + 9 D* --> 58Fe26 + 29Si14 + 132.942 MeV [41.688 MeV] (A_Ga:123)
69Ga31 + 9 D* --> 61Ni28 + 26Mg12 + 129.329 MeV [38.075 MeV] (A_Ga:124)
69Ga31 + 9 D* --> 62Ni28 + 25Mg12 + 128.833 MeV [37.578 MeV] (A_Ga:125)
69Ga31 + 9 D* --> 66Zn30 + 21Ne10 + 123.525 MeV [32.271 MeV] (A_Ga:126)
69Ga31 + 9 D* --> 67Zn30 + 20Ne10 + 123.816 MeV [32.562 MeV] (A_Ga:127)
69Ga31 + 9 D* --> 70Ge32 + 17O8 + 120.266 MeV [29.011 MeV] (A_Ga:128)
69Ga31 + 9 D* --> 74Se34 + 13C6 + 117.981 MeV [26.727 MeV] (A_Ga:129)
69Ga31 + 9 D* --> 78Kr36 + 9Be4 + 111.726 MeV [20.472 MeV] (A_Ga:130)
69Ga31 + 9 D* --> 84Sr38 + 3He2 + 114.606 MeV [23.352 MeV] (A_Ga:131)

69Ga31 + 10 D* --> 45Sc21 + 44Ca20 + 144.566 MeV [41.357 MeV] (A_Ga:132)
69Ga31 + 10 D* --> 48Ti22 + 41K19 + 146.076 MeV [42.868 MeV] (A_Ga:133)
69Ga31 + 10 D* --> 49Ti22 + 40K19 + 144.123 MeV [40.915 MeV] (A_Ga:134)
69Ga31 + 10 D* --> 50Ti22 + 39K19 + 147.263 MeV [44.055 MeV] (A_Ga:135)
69Ga31 + 10 D* --> 51V23 + 38Ar18 + 148.945 MeV [45.737 MeV] (A_Ga:136)
69Ga31 + 10 D* --> 52Cr24 + 37Cl17 + 149.208 MeV [45.999 MeV] (A_Ga:137)
69Ga31 + 10 D* --> 54Cr24 + 35Cl17 + 147.976 MeV [44.767 MeV] (A_Ga:138)
69Ga31 + 10 D* --> 55Mn25 + 34S16 + 149.672 MeV [46.463 MeV] (A_Ga:139)
69Ga31 + 10 D* --> 58Fe26 + 31P15 + 148.624 MeV [45.415 MeV] (A_Ga:140)
69Ga31 + 10 D* --> 59Co27 + 30Si14 + 148.691 MeV [45.482 MeV] (A_Ga:141)
69Ga31 + 10 D* --> 62Ni28 + 27Al13 + 145.972 MeV [42.764 MeV] (A_Ga:142)
69Ga31 + 10 D* --> 63Cu29 + 26Mg12 + 143.824 MeV [40.615 MeV] (A_Ga:143)
69Ga31 + 10 D* --> 65Cu29 + 24Mg12 + 143.227 MeV [40.018 MeV] (A_Ga:144)
69Ga31 + 10 D* --> 66Zn30 + 23Na11 + 140.459 MeV [37.250 MeV] (A_Ga:145)
69Ga31 + 10 D* --> 69Ga31 + 20Ne10 + 138.399 MeV [35.191 MeV] (A_Ga:146)
69Ga31 + 10 D* --> 70Ge32 + 19F9 + 134.080 MeV [30.871 MeV] (A_Ga:147)
69Ga31 + 10 D* --> 74Se34 + 15N7 + 134.141 MeV [30.932 MeV] (A_Ga:148)
69Ga31 + 10 D* --> 78Kr36 + 11B5 + 127.541 MeV [24.333 MeV] (A_Ga:149)

69Ga31 + 11 D* --> 47Ti22 + 44Ca20 + 161.566 MeV [46.057 MeV] (A_Ga:150)
69Ga31 + 11 D* --> 48Ti22 + 43Ca20 + 162.062 MeV [46.553 MeV] (A_Ga:151)
69Ga31 + 11 D* --> 49Ti22 + 42Ca20 + 162.271 MeV [46.762 MeV] (A_Ga:152)
69Ga31 + 11 D* --> 50V23 + 41K19 + 159.946 MeV [44.437 MeV] (A_Ga:153)
69Ga31 + 11 D* --> 51V23 + 40K19 + 160.902 MeV [45.393 MeV] (A_Ga:154)
69Ga31 + 11 D* --> 53Cr24 + 38Ar18 + 165.164 MeV [49.656 MeV] (A_Ga:155)
69Ga31 + 11 D* --> 57Fe26 + 34S16 + 165.277 MeV [49.768 MeV] (A_Ga:156)
69Ga31 + 11 D* --> 58Fe26 + 33S16 + 163.905 MeV [48.396 MeV] (A_Ga:157)
69Ga31 + 11 D* --> 61Ni28 + 30Si14 + 163.819 MeV [48.310 MeV] (A_Ga:158)
69Ga31 + 11 D* --> 62Ni28 + 29Si14 + 163.806 MeV [48.297 MeV] (A_Ga:159)
69Ga31 + 11 D* --> 66Zn30 + 25Mg12 + 157.257 MeV [41.749 MeV] (A_Ga:160)
69Ga31 + 11 D* --> 67Zn30 + 24Mg12 + 156.979 MeV [41.470 MeV] (A_Ga:161)

69Ga31 + 11 D* --> 70Ge32 + 21Ne10 + 151.460 MeV [35.951 MeV] (A_Ga:162)
69Ga31 + 11 D* --> 74Se34 + 17O8 + 148.187 MeV [32.678 MeV] (A_Ga:163)
69Ga31 + 11 D* --> 78Kr36 + 13C6 + 146.220 MeV [30.711 MeV] (A_Ga:164)

69Ga31 + 12 D* --> 48Ti22 + 45Sc21 + 177.856 MeV [49.705 MeV] (A_Ga:165)
69Ga31 + 12 D* --> 50V23 + 43Ca20 + 175.931 MeV [47.780 MeV] (A_Ga:166)
69Ga31 + 12 D* --> 51V23 + 42Ca20 + 179.049 MeV [50.898 MeV] (A_Ga:167)
69Ga31 + 12 D* --> 52Cr24 + 41K19 + 179.277 MeV [51.126 MeV] (A_Ga:168)
69Ga31 + 12 D* --> 53Cr24 + 40K19 + 177.121 MeV [48.970 MeV] (A_Ga:169)
69Ga31 + 12 D* --> 54Cr24 + 39K19 + 179.040 MeV [50.889 MeV] (A_Ga:170)
69Ga31 + 12 D* --> 55Mn25 + 38Ar18 + 180.726 MeV [52.575 MeV] (A_Ga:171)
69Ga31 + 12 D* --> 56Fe26 + 37Cl17 + 180.668 MeV [52.517 MeV] (A_Ga:172)
69Ga31 + 12 D* --> 58Fe26 + 35Cl17 + 179.468 MeV [51.317 MeV] (A_Ga:173)
69Ga31 + 12 D* --> 59Co27 + 34S16 + 180.461 MeV [52.310 MeV] (A_Ga:174)
69Ga31 + 12 D* --> 62Ni28 + 31P15 + 179.488 MeV [51.337 MeV] (A_Ga:175)
69Ga31 + 12 D* --> 63Cu29 + 30Si14 + 178.313 MeV [50.162 MeV] (A_Ga:176)
69Ga31 + 12 D* --> 65Cu29 + 28Si14 + 177.057 MeV [48.906 MeV] (A_Ga:177)
69Ga31 + 12 D* --> 66Zn30 + 27Al13 + 174.397 MeV [46.246 MeV] (A_Ga:178)
69Ga31 + 12 D* --> 69Ga31 + 24Mg12 + 171.562 MeV [43.411 MeV] (A_Ga:179)
69Ga31 + 12 D* --> 70Ge32 + 23Na11 + 168.394 MeV [40.243 MeV] (A_Ga:180)
69Ga31 + 12 D* --> 74Se34 + 19F9 + 162.001 MeV [33.850 MeV] (A_Ga:181)
69Ga31 + 12 D* --> 78Kr36 + 15N7 + 162.379 MeV [34.228 MeV] (A_Ga:182)
69Ga31 + 12 D* --> 92Mo42 + 1H1 + 167.817 MeV [39.666 MeV] (A_Ga:183)

71Ga31 + D* --> 48Ca20 + 25Mg12 + 00.402 MeV [-8.142 MeV] (A_Ga:184)
71Ga31 + D* --> 73Ge32 + 14.293 MeV [5.748 MeV] (A_Ga:185)

71Ga31 + 2 D* --> 48Ca20 + 27Al13 + 17.542 MeV [00.059 MeV] (A_Ga:186)
71Ga31 + 2 D* --> 64Ni28 + 11B5 + 14.563 MeV [-2.920 MeV] (A_Ga:187)
71Ga31 + 2 D* --> 68Zn30 + 7Li3 + 11.230 MeV [-6.253 MeV] (A_Ga:188)
71Ga31 + 2 D* --> 71Ga31 + 4He2 + 23.847 MeV [6.364 MeV] (A_Ga:189)
71Ga31 + 2 D* --> 73Ge32 + 2H1 + 14.293 MeV [-3.190 MeV] (A_Ga:190)
71Ga31 + 2 D* --> 74Ge32 + 1H1 + 22.265 MeV [4.782 MeV] (A_Ga:191)
71Ga31 + 2 D* --> 75As33 + 29.164 MeV [11.681 MeV] (A_Ga:192)

71Ga31 + 3 D* --> 48Ca20 + 29Si14 + 35.376 MeV [8.569 MeV] (A_Ga:193)
71Ga31 + 3 D* --> 64Ni28 + 13C6 + 33.241 MeV [6.434 MeV] (A_Ga:194)
71Ga31 + 3 D* --> 68Zn30 + 9Be4 + 27.926 MeV [1.119 MeV] (A_Ga:195)
71Ga31 + 3 D* --> 71Ga31 + 6Li3 + 25.320 MeV [-1.487 MeV] (A_Ga:196)
71Ga31 + 3 D* --> 73Ge32 + 4He2 + 38.140 MeV [11.332 MeV] (A_Ga:197)
71Ga31 + 3 D* --> 74Ge32 + 3He2 + 27.758 MeV [00.951 MeV] (A_Ga:198)
71Ga31 + 3 D* --> 75As33 + 2H1 + 29.164 MeV [2.356 MeV] (A_Ga:199)
71Ga31 + 3 D* --> 77Se34 + 43.867 MeV [17.059 MeV] (A_Ga:200)

71Ga31 + 4 D* --> 48Ca20 + 31P15 + 51.058 MeV [14.545 MeV] (A_Ga:201)
71Ga31 + 4 D* --> 64Ni28 + 15N7 + 49.400 MeV [12.887 MeV] (A_Ga:202)
71Ga31 + 4 D* --> 68Zn30 + 11B5 + 43.742 MeV [7.229 MeV] (A_Ga:203)
71Ga31 + 4 D* --> 72Ge32 + 7Li3 + 40.080 MeV [3.567 MeV] (A_Ga:204)
71Ga31 + 4 D* --> 73Ge32 + 6Li3 + 39.613 MeV [3.100 MeV] (A_Ga:205)
71Ga31 + 4 D* --> 75As33 + 4He2 + 53.010 MeV [16.497 MeV] (A_Ga:206)
71Ga31 + 4 D* --> 77Se34 + 2H1 + 43.867 MeV [7.353 MeV] (A_Ga:207)
71Ga31 + 4 D* --> 78Se34 + 1H1 + 52.140 MeV [15.627 MeV] (A_Ga:208)
71Ga31 + 4 D* --> 79Br35 + 58.471 MeV [21.958 MeV] (A_Ga:209)

71Ga31 + 5 D* --> 48Ca20 + 33S16 + 66.338 MeV [19.745 MeV] (A_Ga:210)
71Ga31 + 5 D* --> 64Ni28 + 17O8 + 63.446 MeV [16.853 MeV] (A_Ga:211)
71Ga31 + 5 D* --> 68Zn30 + 13C6 + 62.421 MeV [15.827 MeV] (A_Ga:212)
71Ga31 + 5 D* --> 71Ga31 + 10B5 + 53.628 MeV [7.034 MeV] (A_Ga:213)
71Ga31 + 5 D* --> 72Ge32 + 9Be4 + 56.777 MeV [10.183 MeV] (A_Ga:214)
71Ga31 + 5 D* --> 75As33 + 6Li3 + 54.484 MeV [7.890 MeV] (A_Ga:215)
71Ga31 + 5 D* --> 77Se34 + 4He2 + 67.713 MeV [21.119 MeV] (A_Ga:216)
71Ga31 + 5 D* --> 78Se34 + 3He2 + 57.633 MeV [11.039 MeV] (A_Ga:217)
71Ga31 + 5 D* --> 79Br35 + 2H1 + 58.471 MeV [11.877 MeV] (A_Ga:218)

71Ga31 + 6 D* --> 46Ca20 + 37Cl17 + 83.571 MeV [26.526 MeV] (A_Ga:219)
71Ga31 + 6 D* --> 48Ca20 + 35Cl17 + 81.902 MeV [24.857 MeV] (A_Ga:220)
71Ga31 + 6 D* --> 64Ni28 + 19F9 + 77.261 MeV [20.216 MeV] (A_Ga:221)
71Ga31 + 6 D* --> 65Cu29 + 18O8 + 76.719 MeV [19.675 MeV] (A_Ga:222)
71Ga31 + 6 D* --> 68Zn30 + 15N7 + 78.580 MeV [21.535 MeV] (A_Ga:223)
71Ga31 + 6 D* --> 71Ga31 + 12C6 + 78.814 MeV [21.770 MeV] (A_Ga:224)
71Ga31 + 6 D* --> 72Ge32 + 11B5 + 72.592 MeV [15.548 MeV] (A_Ga:225)
71Ga31 + 6 D* --> 73Ge32 + 10B5 + 67.921 MeV [10.876 MeV] (A_Ga:226)
71Ga31 + 6 D* --> 76Se34 + 7Li3 + 69.018 MeV [11.974 MeV] (A_Ga:227)
71Ga31 + 6 D* --> 77Se34 + 6Li3 + 69.187 MeV [12.142 MeV] (A_Ga:228)
71Ga31 + 6 D* --> 79Br35 + 4He2 + 82.318 MeV [25.273 MeV] (A_Ga:229)
71Ga31 + 6 D* --> 82Kr36 + 1H1 + 81.975 MeV [24.930 MeV] (A_Ga:230)

71Ga31 + 7 D* --> 49Ti22 + 36S16 + 101.033 MeV [33.173 MeV] (A_Ga:231)
71Ga31 + 7 D* --> 64Ni28 + 21Ne10 + 94.641 MeV [26.781 MeV] (A_Ga:232)
71Ga31 + 7 D* --> 67Zn30 + 18O8 + 90.472 MeV [22.612 MeV] (A_Ga:233)
71Ga31 + 7 D* --> 68Zn30 + 17O8 + 92.626 MeV [24.766 MeV] (A_Ga:234)
71Ga31 + 7 D* --> 71Ga31 + 14N7 + 89.087 MeV [21.227 MeV] (A_Ga:235)
71Ga31 + 7 D* --> 72Ge32 + 13C6 + 91.271 MeV [23.411 MeV] (A_Ga:236)
71Ga31 + 7 D* --> 73Ge32 + 12C6 + 93.107 MeV [25.248 MeV] (A_Ga:237)
71Ga31 + 7 D* --> 75As33 + 10B5 + 82.791 MeV [14.932 MeV] (A_Ga:238)
71Ga31 + 7 D* --> 76Se34 + 9Be4 + 85.714 MeV [17.854 MeV] (A_Ga:239)
71Ga31 + 7 D* --> 79Br35 + 6Li3 + 83.792 MeV [15.932 MeV] (A_Ga:240)
71Ga31 + 7 D* --> 82Kr36 + 3He2 + 87.468 MeV [19.608 MeV] (A_Ga:241)

71Ga31 + 8 D* --> 46Ca20 + 41K19 + 113.640 MeV [34.605 MeV] (A_Ga:242)
71Ga31 + 8 D* --> 48Ca20 + 39K19 + 112.967 MeV [33.932 MeV] (A_Ga:243)
71Ga31 + 8 D* --> 50Ti22 + 37Cl17 + 118.134 MeV [39.099 MeV] (A_Ga:244)
71Ga31 + 8 D* --> 51V23 + 36S16 + 117.811 MeV [38.776 MeV] (A_Ga:245)
71Ga31 + 8 D* --> 64Ni28 + 23Na11 + 111.575 MeV [32.540 MeV] (A_Ga:246)
71Ga31 + 8 D* --> 65Cu29 + 22Ne10 + 110.234 MeV [31.199 MeV] (A_Ga:247)
71Ga31 + 8 D* --> 68Zn30 + 19F9 + 106.440 MeV [27.405 MeV] (A_Ga:248)
71Ga31 + 8 D* --> 69Ga31 + 18O8 + 105.055 MeV [26.020 MeV] (A_Ga:249)
71Ga31 + 8 D* --> 71Ga31 + 16O8 + 109.823 MeV [30.788 MeV] (A_Ga:250)
71Ga31 + 8 D* --> 72Ge32 + 15N7 + 107.430 MeV [28.395 MeV] (A_Ga:251)
71Ga31 + 8 D* --> 73Ge32 + 14N7 + 103.380 MeV [24.345 MeV] (A_Ga:252)
71Ga31 + 8 D* --> 75As33 + 12C6 + 107.978 MeV [28.943 MeV] (A_Ga:253)
71Ga31 + 8 D* --> 76Se34 + 11B5 + 101.530 MeV [22.495 MeV] (A_Ga:254)
71Ga31 + 8 D* --> 77Se34 + 10B5 + 97.494 MeV [18.459 MeV] (A_Ga:255)
71Ga31 + 8 D* --> 80Kr36 + 7Li3 + 97.930 MeV [18.895 MeV] (A_Ga:256)
71Ga31 + 8 D* --> 86Sr38 + 1H1 + 112.180 MeV [33.145 MeV] (A_Ga:257)

71Ga31 + 9 D* --> 46Ca20 + 43Ca20 + 129.625 MeV [39.059 MeV] (A_Ga:258)
71Ga31 + 9 D* --> 49Ti22 + 40Ar18 + 131.680 MeV [41.114 MeV] (A_Ga:259)

71Ga31 + 9 D* --> 53Cr24 + 36S16 + 134.030 MeV [43.465 MeV] (A_Ga:260)
71Ga31 + 9 D* --> 64Ni28 + 25Mg12 + 128.373 MeV [37.808 MeV] (A_Ga:261)
71Ga31 + 9 D* --> 67Zn30 + 22Ne10 + 123.986 MeV [33.421 MeV] (A_Ga:262)
71Ga31 + 9 D* --> 68Zn30 + 21Ne10 + 123.820 MeV [33.255 MeV] (A_Ga:263)
71Ga31 + 9 D* --> 72Ge32 + 17O8 + 121.476 MeV [30.910 MeV] (A_Ga:264)
71Ga31 + 9 D* --> 73Ge32 + 16O8 + 124.116 MeV [33.550 MeV] (A_Ga:265)
71Ga31 + 9 D* --> 75As33 + 14N7 + 118.250 MeV [27.685 MeV] (A_Ga:266)
71Ga31 + 9 D* --> 76Se34 + 13C6 + 120.208 MeV [29.643 MeV] (A_Ga:267)
71Ga31 + 9 D* --> 77Se34 + 12C6 + 122.681 MeV [32.115 MeV] (A_Ga:268)
71Ga31 + 9 D* --> 79Br35 + 10B5 + 112.099 MeV [21.534 MeV] (A_Ga:269)
71Ga31 + 9 D* --> 80Kr36 + 9Be4 + 114.626 MeV [24.061 MeV] (A_Ga:270)
71Ga31 + 9 D* --> 86Sr38 + 3He2 + 117.674 MeV [27.108 MeV] (A_Ga:271)

71Ga31 + 10 D* --> 46Ca20 + 45Sc21 + 145.420 MeV [42.973 MeV] (A_Ga:272)
71Ga31 + 10 D* --> 50Ti22 + 41K19 + 148.203 MeV [45.756 MeV] (A_Ga:273)
71Ga31 + 10 D* --> 51V23 + 40Ar18 + 148.458 MeV [46.011 MeV] (A_Ga:274)
71Ga31 + 10 D* --> 54Cr24 + 37Cl17 + 149.911 MeV [47.464 MeV] (A_Ga:275)
71Ga31 + 10 D* --> 55Mn25 + 36S16 + 149.592 MeV [47.145 MeV] (A_Ga:276)
71Ga31 + 10 D* --> 64Ni28 + 27Al13 + 145.513 MeV [43.066 MeV] (A_Ga:277)
71Ga31 + 10 D* --> 65Cu29 + 26Mg12 + 144.695 MeV [42.248 MeV] (A_Ga:278)
71Ga31 + 10 D* --> 68Zn30 + 23Na11 + 140.754 MeV [38.307 MeV] (A_Ga:279)
71Ga31 + 10 D* --> 69Ga31 + 22Ne10 + 138.569 MeV [36.123 MeV] (A_Ga:280)
71Ga31 + 10 D* --> 71Ga31 + 20Ne10 + 138.399 MeV [35.952 MeV] (A_Ga:281)
71Ga31 + 10 D* --> 72Ge32 + 19F9 + 135.290 MeV [32.843 MeV] (A_Ga:282)
71Ga31 + 10 D* --> 75As33 + 16O8 + 138.986 MeV [36.540 MeV] (A_Ga:283)
71Ga31 + 10 D* --> 76Se34 + 15N7 + 136.368 MeV [33.921 MeV] (A_Ga:284)
71Ga31 + 10 D* --> 77Se34 + 14N7 + 132.953 MeV [30.506 MeV] (A_Ga:285)
71Ga31 + 10 D* --> 79Br35 + 12C6 + 137.285 MeV [34.839 MeV] (A_Ga:286)
71Ga31 + 10 D* --> 80Kr36 + 11B5 + 130.442 MeV [27.995 MeV] (A_Ga:287)
71Ga31 + 10 D* --> 84Sr38 + 7Li3 + 126.953 MeV [24.506 MeV] (A_Ga:288)
71Ga31 + 10 D* --> 90Zr40 + 1H1 + 142.695 MeV [40.248 MeV] (A_Ga:289)

71Ga31 + 11 D* --> 47Ti22 + 46Ca20 + 162.420 MeV [47.745 MeV] (A_Ga:290)
71Ga31 + 11 D* --> 49Ti22 + 44Ca20 + 164.380 MeV [49.705 MeV] (A_Ga:291)
71Ga31 + 11 D* --> 50Ti22 + 43Ca20 + 164.188 MeV [49.513 MeV] (A_Ga:292)
71Ga31 + 11 D* --> 53Cr24 + 40Ar18 + 164.677 MeV [50.003 MeV] (A_Ga:293)
71Ga31 + 11 D* --> 57Fe26 + 36S16 + 165.197 MeV [50.522 MeV] (A_Ga:294)
71Ga31 + 11 D* --> 64Ni28 + 29Si14 + 163.347 MeV [48.672 MeV] (A_Ga:295)
71Ga31 + 11 D* --> 67Zn30 + 26Mg12 + 158.448 MeV [43.773 MeV] (A_Ga:296)
71Ga31 + 11 D* --> 68Zn30 + 25Mg12 + 157.553 MeV [42.878 MeV] (A_Ga:297)
71Ga31 + 11 D* --> 72Ge32 + 21Ne10 + 152.670 MeV [37.996 MeV] (A_Ga:298)
71Ga31 + 11 D* --> 73Ge32 + 20Ne10 + 152.692 MeV [38.017 MeV] (A_Ga:299)
71Ga31 + 11 D* --> 76Se34 + 17O8 + 150.414 MeV [35.739 MeV] (A_Ga:300)
71Ga31 + 11 D* --> 77Se34 + 16O8 + 153.689 MeV [39.014 MeV] (A_Ga:301)
71Ga31 + 11 D* --> 79Br35 + 14N7 + 147.558 MeV [32.883 MeV] (A_Ga:302)
71Ga31 + 11 D* --> 80Kr36 + 13C6 + 149.120 MeV [34.445 MeV] (A_Ga:303)
71Ga31 + 11 D* --> 84Sr38 + 9Be4 + 143.649 MeV [28.974 MeV] (A_Ga:304)
71Ga31 + 11 D* --> 90Zr40 + 3He2 + 148.189 MeV [33.514 MeV] (A_Ga:305)

71Ga31 + 12 D* --> 50Ti22 + 45Sc21 + 179.983 MeV [52.738 MeV] (A_Ga:306)
71Ga31 + 12 D* --> 51V23 + 44Ca20 + 181.158 MeV [53.913 MeV] (A_Ga:307)
71Ga31 + 12 D* --> 54Cr24 + 41K19 + 179.980 MeV [52.735 MeV] (A_Ga:308)
71Ga31 + 12 D* --> 55Mn25 + 40Ar18 + 180.239 MeV [52.994 MeV] (A_Ga:309)
71Ga31 + 12 D* --> 58Fe26 + 37Cl17 + 181.403 MeV [54.158 MeV] (A_Ga:310)

71Ga31 + 12 D* --> 59Co27 + 36S16 + 180.381 MeV [53.136 MeV] (A_Ga:311)
71Ga31 + 12 D* --> 64Ni28 + 31P15 + 179.029 MeV [51.783 MeV] (A_Ga:312)
71Ga31 + 12 D* --> 65Cu29 + 30Si14 + 179.185 MeV [51.940 MeV] (A_Ga:313)
71Ga31 + 12 D* --> 68Zn30 + 27Al13 + 174.692 MeV [47.447 MeV] (A_Ga:314)
71Ga31 + 12 D* --> 69Ga31 + 26Mg12 + 173.031 MeV [45.785 MeV] (A_Ga:315)
71Ga31 + 12 D* --> 71Ga31 + 24Mg12 + 171.562 MeV [44.317 MeV] (A_Ga:316)
71Ga31 + 12 D* --> 72Ge32 + 23Na11 + 169.604 MeV [42.359 MeV] (A_Ga:317)
71Ga31 + 12 D* --> 75As33 + 20Ne10 + 167.563 MeV [40.317 MeV] (A_Ga:318)
71Ga31 + 12 D* --> 76Se34 + 19F9 + 164.228 MeV [36.983 MeV] (A_Ga:319)
71Ga31 + 12 D* --> 79Br35 + 16O8 + 168.294 MeV [41.049 MeV] (A_Ga:320)
71Ga31 + 12 D* --> 80Kr36 + 15N7 + 165.279 MeV [38.034 MeV] (A_Ga:321)
71Ga31 + 12 D* --> 84Sr38 + 11B5 + 159.464 MeV [32.219 MeV] (A_Ga:322)
71Ga31 + 12 D* --> 94Mo42 + 1H1 + 168.609 MeV [41.364 MeV] (A_Ga:323)

---------- Equations follow for Germanium, Ge, element 32 ----------

70Ge32 + D* --> 49Ti22 + 23Na11 + 00.661 MeV [-8.200 MeV] (A_Ge:1)
70Ge32 + D* --> 51V23 + 21Ne10 + 00.506 MeV [-8.355 MeV] (A_Ge:2)
70Ge32 + D* --> 55Mn25 + 17O8 + 1.092 MeV [-7.769 MeV] (A_Ge:3)
70Ge32 + D* --> 57Fe26 + 15N7 + 2.651 MeV [-6.210 MeV] (A_Ge:4)
70Ge32 + D* --> 58Fe26 + 14N7 + 1.863 MeV [-6.999 MeV] (A_Ge:5)
70Ge32 + D* --> 59Co27 + 13C6 + 1.676 MeV [-7.185 MeV] (A_Ge:6)

70Ge32 + 2 D* --> 37Cl17 + 37Cl17 + 19.231 MeV [1.121 MeV] (A_Ge:7)
70Ge32 + 2 D* --> 38Ar18 + 36S16 + 21.087 MeV [2.977 MeV] (A_Ge:8)
70Ge32 + 2 D* --> 40Ar18 + 34S16 + 20.680 MeV [2.570 MeV] (A_Ge:9)
70Ge32 + 2 D* --> 44Ca20 + 30Si14 + 21.610 MeV [3.500 MeV] (A_Ge:10)
70Ge32 + 2 D* --> 46Ca20 + 28Si14 + 20.336 MeV [2.226 MeV] (A_Ge:11)
70Ge32 + 2 D* --> 48Ti22 + 26Mg12 + 20.411 MeV [2.301 MeV] (A_Ge:12)
70Ge32 + 2 D* --> 49Ti22 + 25Mg12 + 17.460 MeV [-0.650 MeV] (A_Ge:13)
70Ge32 + 2 D* --> 50Ti22 + 24Mg12 + 21.069 MeV [2.959 MeV] (A_Ge:14)
70Ge32 + 2 D* --> 51V23 + 23Na11 + 17.440 MeV [-0.670 MeV] (A_Ge:15)
70Ge32 + 2 D* --> 52Cr24 + 22Ne10 + 19.150 MeV [1.040 MeV] (A_Ge:16)
70Ge32 + 2 D* --> 53Cr24 + 21Ne10 + 16.725 MeV [-1.385 MeV] (A_Ge:17)
70Ge32 + 2 D* --> 54Cr24 + 20Ne10 + 19.683 MeV [1.573 MeV] (A_Ge:18)
70Ge32 + 2 D* --> 55Mn25 + 19F9 + 14.906 MeV [-3.204 MeV] (A_Ge:19)
70Ge32 + 2 D* --> 56Fe26 + 18O8 + 17.095 MeV [-1.015 MeV] (A_Ge:20)
70Ge32 + 2 D* --> 57Fe26 + 17O8 + 16.697 MeV [-1.413 MeV] (A_Ge:21)
70Ge32 + 2 D* --> 58Fe26 + 16O8 + 22.599 MeV [4.489 MeV] (A_Ge:22)
70Ge32 + 2 D* --> 59Co27 + 15N7 + 17.835 MeV [-0.275 MeV] (A_Ge:23)
70Ge32 + 2 D* --> 61Ni28 + 13C6 + 16.804 MeV [-1.306 MeV] (A_Ge:24)
70Ge32 + 2 D* --> 62Ni28 + 12C6 + 22.454 MeV [4.344 MeV] (A_Ge:25)
70Ge32 + 2 D* --> 63Cu29 + 11B5 + 12.620 MeV [-5.490 MeV] (A_Ge:26)
70Ge32 + 2 D* --> 70Ge32 + 4He2 + 23.847 MeV [5.736 MeV] (A_Ge:27)
70Ge32 + 2 D* --> 74Se34 + 27.921 MeV [9.811 MeV] (A_Ge:28)

70Ge32 + 3 D* --> 40K19 + 36S16 + 33.043 MeV [5.303 MeV] (A_Ge:29)
70Ge32 + 3 D* --> 49Ti22 + 27Al13 + 34.600 MeV [6.859 MeV] (A_Ge:30)
70Ge32 + 3 D* --> 50V23 + 26Mg12 + 34.280 MeV [6.540 MeV] (A_Ge:31)
70Ge32 + 3 D* --> 51V23 + 25Mg12 + 34.238 MeV [6.498 MeV] (A_Ge:32)
70Ge32 + 3 D* --> 53Cr24 + 23Na11 + 33.659 MeV [5.918 MeV] (A_Ge:33)
70Ge32 + 3 D* --> 55Mn25 + 21Ne10 + 32.286 MeV [4.546 MeV] (A_Ge:34)
70Ge32 + 3 D* --> 57Fe26 + 19F9 + 30.512 MeV [2.771 MeV] (A_Ge:35)
70Ge32 + 3 D* --> 59Co27 + 17O8 + 31.881 MeV [4.141 MeV] (A_Ge:36)

70Ge32 + 3 D* --> 61Ni28 + 15N7 + 32.964 MeV [5.223 MeV] (A_Ge:37)
70Ge32 + 3 D* --> 62Ni28 + 14N7 + 32.727 MeV [4.986 MeV] (A_Ge:38)
70Ge32 + 3 D* --> 63Cu29 + 13C6 + 31.299 MeV [3.558 MeV] (A_Ge:39)
70Ge32 + 3 D* --> 66Zn30 + 10B5 + 25.693 MeV [-2.048 MeV] (A_Ge:40)
70Ge32 + 3 D* --> 70Ge32 + 6Li3 + 25.320 MeV [-2.420 MeV] (A_Ge:41)
70Ge32 + 3 D* --> 74Se34 + 2H1 + 27.921 MeV [00.181 MeV] (A_Ge:42)

70Ge32 + 4 D* --> 40Ar18 + 38Ar18 + 51.734 MeV [13.987 MeV] (A_Ge:43)
70Ge32 + 4 D* --> 41K19 + 37Cl17 + 49.300 MeV [11.553 MeV] (A_Ge:44)
70Ge32 + 4 D* --> 42Ca20 + 36S16 + 51.191 MeV [13.444 MeV] (A_Ge:45)
70Ge32 + 4 D* --> 44Ca20 + 34S16 + 53.380 MeV [15.633 MeV] (A_Ge:46)
70Ge32 + 4 D* --> 46Ca20 + 32S16 + 51.131 MeV [13.384 MeV] (A_Ge:47)
70Ge32 + 4 D* --> 48Ti22 + 30Si14 + 54.900 MeV [17.153 MeV] (A_Ge:48)
70Ge32 + 4 D* --> 49Ti22 + 29Si14 + 52.434 MeV [14.687 MeV] (A_Ge:49)
70Ge32 + 4 D* --> 50Ti22 + 28Si14 + 54.899 MeV [17.152 MeV] (A_Ge:50)
70Ge32 + 4 D* --> 51V23 + 27Al13 + 51.378 MeV [13.631 MeV] (A_Ge:51)
70Ge32 + 4 D* --> 52Cr24 + 26Mg12 + 53.611 MeV [15.864 MeV] (A_Ge:52)
70Ge32 + 4 D* --> 53Cr24 + 25Mg12 + 50.457 MeV [12.710 MeV] (A_Ge:53)
70Ge32 + 4 D* --> 54Cr24 + 24Mg12 + 52.846 MeV [15.099 MeV] (A_Ge:54)
70Ge32 + 4 D* --> 55Mn25 + 23Na11 + 49.220 MeV [11.473 MeV] (A_Ge:55)
70Ge32 + 4 D* --> 56Fe26 + 22Ne10 + 50.610 MeV [12.863 MeV] (A_Ge:56)
70Ge32 + 4 D* --> 57Fe26 + 21Ne10 + 47.892 MeV [10.145 MeV] (A_Ge:57)
70Ge32 + 4 D* --> 58Fe26 + 20Ne10 + 51.175 MeV [13.428 MeV] (A_Ge:58)
70Ge32 + 4 D* --> 59Co27 + 19F9 + 45.696 MeV [7.949 MeV] (A_Ge:59)
70Ge32 + 4 D* --> 60Ni28 + 18O8 + 47.233 MeV [9.486 MeV] (A_Ge:60)
70Ge32 + 4 D* --> 61Ni28 + 17O8 + 47.009 MeV [9.262 MeV] (A_Ge:61)
70Ge32 + 4 D* --> 62Ni28 + 16O8 + 53.463 MeV [15.716 MeV] (A_Ge:62)
70Ge32 + 4 D* --> 63Cu29 + 15N7 + 47.458 MeV [9.711 MeV] (A_Ge:63)
70Ge32 + 4 D* --> 66Zn30 + 12C6 + 50.879 MeV [13.132 MeV] (A_Ge:64)
70Ge32 + 4 D* --> 74Se34 + 4He2 + 51.768 MeV [14.021 MeV] (A_Ge:65)
70Ge32 + 4 D* --> 78Kr36 + 56.160 MeV [18.413 MeV] (A_Ge:66)

70Ge32 + 5 D* --> 40Ar18 + 40K19 + 63.691 MeV [15.567 MeV] (A_Ge:67)
70Ge32 + 5 D* --> 40K19 + 40Ar18 + 63.691 MeV [15.567 MeV] (A_Ge:68)
70Ge32 + 5 D* --> 43Ca20 + 37Cl17 + 65.286 MeV [17.162 MeV] (A_Ge:69)
70Ge32 + 5 D* --> 49Ti22 + 31P15 + 68.115 MeV [19.991 MeV] (A_Ge:70)
70Ge32 + 5 D* --> 50V23 + 30Si14 + 68.770 MeV [20.646 MeV] (A_Ge:71)
70Ge32 + 5 D* --> 51V23 + 29Si14 + 69.212 MeV [21.088 MeV] (A_Ge:72)
70Ge32 + 5 D* --> 53Cr24 + 27Al13 + 67.597 MeV [19.473 MeV] (A_Ge:73)
70Ge32 + 5 D* --> 55Mn25 + 25Mg12 + 66.019 MeV [17.895 MeV] (A_Ge:74)
70Ge32 + 5 D* --> 57Fe26 + 23Na11 + 64.825 MeV [16.701 MeV] (A_Ge:75)
70Ge32 + 5 D* --> 59Co27 + 21Ne10 + 63.076 MeV [14.952 MeV] (A_Ge:76)
70Ge32 + 5 D* --> 61Ni28 + 19F9 + 60.824 MeV [12.700 MeV] (A_Ge:77)
70Ge32 + 5 D* --> 63Cu29 + 17O8 + 61.504 MeV [13.380 MeV] (A_Ge:78)
70Ge32 + 5 D* --> 66Zn30 + 14N7 + 61.152 MeV [13.028 MeV] (A_Ge:79)
70Ge32 + 5 D* --> 70Ge32 + 10B5 + 53.628 MeV [5.504 MeV] (A_Ge:80)
70Ge32 + 5 D* --> 74Se34 + 6Li3 + 53.241 MeV [5.117 MeV] (A_Ge:81)
70Ge32 + 5 D* --> 78Kr36 + 2H1 + 56.160 MeV [8.036 MeV] (A_Ge:82)

70Ge32 + 6 D* --> 41K19 + 41K19 + 79.369 MeV [20.503 MeV] (A_Ge:83)
70Ge32 + 6 D* --> 42Ca20 + 40Ar18 + 81.838 MeV [22.972 MeV] (A_Ge:84)
70Ge32 + 6 D* --> 44Ca20 + 38Ar18 + 84.434 MeV [25.568 MeV] (A_Ge:85)
70Ge32 + 6 D* --> 46Ca20 + 36Ar18 + 81.618 MeV [22.751 MeV] (A_Ge:86)
70Ge32 + 6 D* --> 45Sc21 + 37Cl17 + 81.081 MeV [22.214 MeV] (A_Ge:87)

70Ge32 + 6 D* --> 46Ti22 + 36S16 + 83.039 MeV [24.172 MeV] (A_Ge:88)
70Ge32 + 6 D* --> 48Ti22 + 34S16 + 86.671 MeV [27.804 MeV] (A_Ge:89)
70Ge32 + 6 D* --> 49Ti22 + 33S16 + 83.396 MeV [24.530 MeV] (A_Ge:90)
70Ge32 + 6 D* --> 50Ti22 + 32S16 + 85.694 MeV [26.827 MeV] (A_Ge:91)
70Ge32 + 6 D* --> 51V23 + 31P15 + 84.893 MeV [26.027 MeV] (A_Ge:92)
70Ge32 + 6 D* --> 52Cr24 + 30Si14 + 88.101 MeV [29.235 MeV] (A_Ge:93)
70Ge32 + 6 D* --> 53Cr24 + 29Si14 + 85.431 MeV [26.565 MeV] (A_Ge:94)
70Ge32 + 6 D* --> 54Cr24 + 28Si14 + 86.677 MeV [27.810 MeV] (A_Ge:95)
70Ge32 + 6 D* --> 55Mn25 + 27Al13 + 83.158 MeV [24.292 MeV] (A_Ge:96)
70Ge32 + 6 D* --> 56Fe26 + 26Mg12 + 85.071 MeV [26.205 MeV] (A_Ge:97)
70Ge32 + 6 D* --> 57Fe26 + 25Mg12 + 81.624 MeV [22.758 MeV] (A_Ge:98)
70Ge32 + 6 D* --> 58Fe26 + 24Mg12 + 84.338 MeV [25.472 MeV] (A_Ge:99)
70Ge32 + 6 D* --> 59Co27 + 23Na11 + 80.009 MeV [21.143 MeV] (A_Ge:100)
70Ge32 + 6 D* --> 60Ni28 + 22Ne10 + 80.748 MeV [21.882 MeV] (A_Ge:101)
70Ge32 + 6 D* --> 61Ni28 + 21Ne10 + 78.204 MeV [19.337 MeV] (A_Ge:102)
70Ge32 + 6 D* --> 62Ni28 + 20Ne10 + 82.039 MeV [23.173 MeV] (A_Ge:103)
70Ge32 + 6 D* --> 63Cu29 + 19F9 + 75.318 MeV [16.452 MeV] (A_Ge:104)
70Ge32 + 6 D* --> 64Zn30 + 18O8 + 75.036 MeV [16.170 MeV] (A_Ge:105)
70Ge32 + 6 D* --> 66Zn30 + 16O8 + 81.888 MeV [23.021 MeV] (A_Ge:106)
70Ge32 + 6 D* --> 70Ge32 + 12C6 + 78.814 MeV [19.948 MeV] (A_Ge:107)
70Ge32 + 6 D* --> 78Kr36 + 4He2 + 80.006 MeV [21.140 MeV] (A_Ge:108)

70Ge32 + 7 D* --> 43Ca20 + 41K19 + 95.355 MeV [25.385 MeV] (A_Ge:109)
70Ge32 + 7 D* --> 44Ca20 + 40K19 + 96.391 MeV [26.421 MeV] (A_Ge:110)
70Ge32 + 7 D* --> 47Ti22 + 37Cl17 + 98.081 MeV [28.112 MeV] (A_Ge:111)
70Ge32 + 7 D* --> 49Ti22 + 35Cl17 + 98.959 MeV [28.990 MeV] (A_Ge:112)
70Ge32 + 7 D* --> 50V23 + 34S16 + 100.540 MeV [30.571 MeV] (A_Ge:113)
70Ge32 + 7 D* --> 51V23 + 33S16 + 100.174 MeV [30.205 MeV] (A_Ge:114)
70Ge32 + 7 D* --> 53Cr24 + 31P15 + 101.113 MeV [31.143 MeV] (A_Ge:115)
70Ge32 + 7 D* --> 55Mn25 + 29Si14 + 100.993 MeV [31.023 MeV] (A_Ge:116)
70Ge32 + 7 D* --> 57Fe26 + 27Al13 + 98.764 MeV [28.794 MeV] (A_Ge:117)
70Ge32 + 7 D* --> 59Co27 + 25Mg12 + 96.808 MeV [26.839 MeV] (A_Ge:118)
70Ge32 + 7 D* --> 61Ni28 + 23Na11 + 95.138 MeV [25.168 MeV] (A_Ge:119)
70Ge32 + 7 D* --> 63Cu29 + 21Ne10 + 92.698 MeV [22.729 MeV] (A_Ge:120)
70Ge32 + 7 D* --> 70Ge32 + 14N7 + 89.087 MeV [19.117 MeV] (A_Ge:121)
70Ge32 + 7 D* --> 74Se34 + 10B5 + 81.549 MeV [11.580 MeV] (A_Ge:122)
70Ge32 + 7 D* --> 78Kr36 + 6Li3 + 81.480 MeV [11.511 MeV] (A_Ge:123)

70Ge32 + 8 D* --> 43Ca20 + 43Ca20 + 111.340 MeV [29.912 MeV] (A_Ge:124)
70Ge32 + 8 D* --> 44Ca20 + 42Ca20 + 114.538 MeV [33.110 MeV] (A_Ge:125)
70Ge32 + 8 D* --> 46Ca20 + 40Ca20 + 112.504 MeV [31.076 MeV] (A_Ge:126)
70Ge32 + 8 D* --> 45Sc21 + 41K19 + 111.150 MeV [29.721 MeV] (A_Ge:127)
70Ge32 + 8 D* --> 46Ti22 + 40Ar18 + 113.686 MeV [32.258 MeV] (A_Ge:128)
70Ge32 + 8 D* --> 48Ti22 + 38Ar18 + 117.725 MeV [36.297 MeV] (A_Ge:129)
70Ge32 + 8 D* --> 50Ti22 + 36Ar18 + 116.181 MeV [34.753 MeV] (A_Ge:130)
70Ge32 + 8 D* --> 51V23 + 35Cl17 + 115.738 MeV [34.309 MeV] (A_Ge:131)
70Ge32 + 8 D* --> 50Cr24 + 36S16 + 115.446 MeV [34.018 MeV] (A_Ge:132)
70Ge32 + 8 D* --> 52Cr24 + 34S16 + 119.871 MeV [38.443 MeV] (A_Ge:133)
70Ge32 + 8 D* --> 53Cr24 + 33S16 + 116.393 MeV [34.965 MeV] (A_Ge:134)
70Ge32 + 8 D* --> 54Cr24 + 32S16 + 117.471 MeV [36.043 MeV] (A_Ge:135)
70Ge32 + 8 D* --> 55Mn25 + 31P15 + 116.674 MeV [35.246 MeV] (A_Ge:136)
70Ge32 + 8 D* --> 56Fe26 + 30Si14 + 119.561 MeV [38.133 MeV] (A_Ge:137)
70Ge32 + 8 D* --> 57Fe26 + 29Si14 + 116.598 MeV [35.170 MeV] (A_Ge:138)
70Ge32 + 8 D* --> 58Fe26 + 28Si14 + 118.169 MeV [36.741 MeV] (A_Ge:139)

70Ge32 + 8 D* --> 59Co27 + 27Al13 + 113.948 MeV [32.520 MeV] (A_Ge:140)
70Ge32 + 8 D* --> 60Ni28 + 26Mg12 + 115.209 MeV [33.781 MeV] (A_Ge:141)
70Ge32 + 8 D* --> 61Ni28 + 25Mg12 + 111.936 MeV [30.508 MeV] (A_Ge:142)
70Ge32 + 8 D* --> 62Ni28 + 24Mg12 + 115.202 MeV [33.774 MeV] (A_Ge:143)
70Ge32 + 8 D* --> 63Cu29 + 23Na11 + 109.632 MeV [28.204 MeV] (A_Ge:144)
70Ge32 + 8 D* --> 64Zn30 + 22Ne10 + 108.551 MeV [27.123 MeV] (A_Ge:145)
70Ge32 + 8 D* --> 66Zn30 + 20Ne10 + 110.464 MeV [29.036 MeV] (A_Ge:146)
70Ge32 + 8 D* --> 70Ge32 + 16O8 + 109.823 MeV [28.395 MeV] (A_Ge:147)
70Ge32 + 8 D* --> 74Se34 + 12C6 + 106.735 MeV [25.307 MeV] (A_Ge:148)

70Ge32 + 9 D* --> 45Sc21 + 43Ca20 + 127.135 MeV [33.897 MeV] (A_Ge:149)
70Ge32 + 9 D* --> 47Ti22 + 41K19 + 128.150 MeV [34.912 MeV] (A_Ge:150)
70Ge32 + 9 D* --> 48Ti22 + 40K19 + 129.681 MeV [36.443 MeV] (A_Ge:151)
70Ge32 + 9 D* --> 49Ti22 + 39K19 + 130.024 MeV [36.786 MeV] (A_Ge:152)
70Ge32 + 9 D* --> 50V23 + 38Ar18 + 131.594 MeV [38.356 MeV] (A_Ge:153)
70Ge32 + 9 D* --> 53Cr24 + 35Cl17 + 131.957 MeV [38.718 MeV] (A_Ge:154)
70Ge32 + 9 D* --> 55Mn25 + 33S16 + 131.955 MeV [38.717 MeV] (A_Ge:155)
70Ge32 + 9 D* --> 57Fe26 + 31P15 + 132.279 MeV [39.041 MeV] (A_Ge:156)
70Ge32 + 9 D* --> 59Co27 + 29Si14 + 131.782 MeV [38.544 MeV] (A_Ge:157)
70Ge32 + 9 D* --> 61Ni28 + 27Al13 + 129.076 MeV [35.838 MeV] (A_Ge:158)
70Ge32 + 9 D* --> 63Cu29 + 25Mg12 + 126.431 MeV [33.192 MeV] (A_Ge:159)
70Ge32 + 9 D* --> 74Se34 + 14N7 + 117.008 MeV [23.769 MeV] (A_Ge:160)
70Ge32 + 9 D* --> 78Kr36 + 10B5 + 109.787 MeV [16.549 MeV] (A_Ge:161)

70Ge32 + 10 D* --> 45Sc21 + 45Sc21 + 142.930 MeV [37.534 MeV] (A_Ge:162)
70Ge32 + 10 D* --> 46Ti22 + 44Ca20 + 146.386 MeV [40.990 MeV] (A_Ge:163)
70Ge32 + 10 D* --> 47Ti22 + 43Ca20 + 144.135 MeV [38.740 MeV] (A_Ge:164)
70Ge32 + 10 D* --> 48Ti22 + 42Ca20 + 147.829 MeV [42.433 MeV] (A_Ge:165)
70Ge32 + 10 D* --> 50Ti22 + 40Ca20 + 147.067 MeV [41.672 MeV] (A_Ge:166)
70Ge32 + 10 D* --> 50V23 + 40K19 + 143.551 MeV [38.155 MeV] (A_Ge:167)
70Ge32 + 10 D* --> 51V23 + 39K19 + 146.803 MeV [41.407 MeV] (A_Ge:168)
70Ge32 + 10 D* --> 50Cr24 + 40Ar18 + 146.094 MeV [40.698 MeV] (A_Ge:169)
70Ge32 + 10 D* --> 52Cr24 + 38Ar18 + 150.926 MeV [45.530 MeV] (A_Ge:170)
70Ge32 + 10 D* --> 54Cr24 + 36Ar18 + 147.958 MeV [42.563 MeV] (A_Ge:171)
70Ge32 + 10 D* --> 55Mn25 + 35Cl17 + 147.518 MeV [42.123 MeV] (A_Ge:172)
70Ge32 + 10 D* --> 54Fe26 + 36S16 + 147.711 MeV [42.315 MeV] (A_Ge:173)
70Ge32 + 10 D* --> 56Fe26 + 34S16 + 151.331 MeV [45.936 MeV] (A_Ge:174)
70Ge32 + 10 D* --> 57Fe26 + 33S16 + 147.560 MeV [42.165 MeV] (A_Ge:175)
70Ge32 + 10 D* --> 58Fe26 + 32S16 + 148.963 MeV [43.568 MeV] (A_Ge:176)
70Ge32 + 10 D* --> 59Co27 + 31P15 + 147.463 MeV [42.068 MeV] (A_Ge:177)
70Ge32 + 10 D* --> 60Ni28 + 30Si14 + 149.699 MeV [44.304 MeV] (A_Ge:178)
70Ge32 + 10 D* --> 61Ni28 + 29Si14 + 146.910 MeV [41.515 MeV] (A_Ge:179)
70Ge32 + 10 D* --> 62Ni28 + 28Si14 + 149.033 MeV [43.637 MeV] (A_Ge:180)
70Ge32 + 10 D* --> 63Cu29 + 27Al13 + 143.570 MeV [38.175 MeV] (A_Ge:181)
70Ge32 + 10 D* --> 64Zn30 + 26Mg12 + 143.012 MeV [37.617 MeV] (A_Ge:182)
70Ge32 + 10 D* --> 66Zn30 + 24Mg12 + 143.627 MeV [38.232 MeV] (A_Ge:183)
70Ge32 + 10 D* --> 70Ge32 + 20Ne10 + 138.399 MeV [33.004 MeV] (A_Ge:184)
70Ge32 + 10 D* --> 74Se34 + 16O8 + 137.744 MeV [32.348 MeV] (A_Ge:185)
70Ge32 + 10 D* --> 78Kr36 + 12C6 + 134.974 MeV [29.578 MeV] (A_Ge:186)

70Ge32 + 11 D* --> 47Ti22 + 45Sc21 + 159.930 MeV [42.034 MeV] (A_Ge:187)
70Ge32 + 11 D* --> 50V23 + 42Ca20 + 161.698 MeV [43.803 MeV] (A_Ge:188)
70Ge32 + 11 D* --> 52Cr24 + 40K19 + 162.882 MeV [44.986 MeV] (A_Ge:189)
70Ge32 + 11 D* --> 53Cr24 + 39K19 + 163.022 MeV [45.126 MeV] (A_Ge:190)

70Ge32 + 11 D* --> 57Fe26 + 35Cl17 + 163.124 MeV [45.228 MeV] (A_Ge:191)
70Ge32 + 11 D* --> 59Co27 + 33S16 + 162.744 MeV [44.848 MeV] (A_Ge:192)
70Ge32 + 11 D* --> 61Ni28 + 31P15 + 162.592 MeV [44.696 MeV] (A_Ge:193)
70Ge32 + 11 D* --> 63Cu29 + 29Si14 + 161.404 MeV [43.509 MeV] (A_Ge:194)
70Ge32 + 11 D* --> 78Kr36 + 14N7 + 145.246 MeV [27.350 MeV] (A_Ge:195)

70Ge32 + 12 D* --> 47Ti22 + 47Ti22 + 176.930 MeV [46.195 MeV] (A_Ge:196)
70Ge32 + 12 D* --> 48Ti22 + 46Ti22 + 179.677 MeV [48.941 MeV] (A_Ge:197)
70Ge32 + 12 D* --> 50Cr24 + 44Ca20 + 178.794 MeV [48.058 MeV] (A_Ge:198)
70Ge32 + 12 D* --> 52Cr24 + 42Ca20 + 181.030 MeV [50.294 MeV] (A_Ge:199)
70Ge32 + 12 D* --> 54Cr24 + 40Ca20 + 178.844 MeV [48.109 MeV] (A_Ge:200)
70Ge32 + 12 D* --> 55Mn25 + 39K19 + 178.583 MeV [47.848 MeV] (A_Ge:201)
70Ge32 + 12 D* --> 54Fe26 + 40Ar18 + 178.358 MeV [47.623 MeV] (A_Ge:202)
70Ge32 + 12 D* --> 56Fe26 + 38Ar18 + 182.385 MeV [51.650 MeV] (A_Ge:203)
70Ge32 + 12 D* --> 58Fe26 + 36Ar18 + 179.451 MeV [48.715 MeV] (A_Ge:204)
70Ge32 + 12 D* --> 59Co27 + 35Cl17 + 178.308 MeV [47.572 MeV] (A_Ge:205)
70Ge32 + 12 D* --> 58Ni28 + 36S16 + 177.957 MeV [47.222 MeV] (A_Ge:206)
70Ge32 + 12 D* --> 60Ni28 + 34S16 + 181.469 MeV [50.734 MeV] (A_Ge:207)
70Ge32 + 12 D* --> 61Ni28 + 33S16 + 177.872 MeV [47.137 MeV] (A_Ge:208)
70Ge32 + 12 D* --> 62Ni28 + 32S16 + 179.827 MeV [49.092 MeV] (A_Ge:209)
70Ge32 + 12 D* --> 63Cu29 + 31P15 + 177.086 MeV [46.351 MeV] (A_Ge:210)
70Ge32 + 12 D* --> 64Zn30 + 30Si14 + 177.502 MeV [46.767 MeV] (A_Ge:211)
70Ge32 + 12 D* --> 66Zn30 + 28Si14 + 177.458 MeV [46.722 MeV] (A_Ge:212)
70Ge32 + 12 D* --> 70Ge32 + 24Mg12 + 171.562 MeV [40.827 MeV] (A_Ge:213)
70Ge32 + 12 D* --> 74Se34 + 20Ne10 + 166.320 MeV [35.585 MeV] (A_Ge:214)
70Ge32 + 12 D* --> 78Kr36 + 16O8 + 165.982 MeV [35.247 MeV] (A_Ge:215)

72Ge32 + D* --> 73Ge32 + 1H1 + 4.558 MeV [-4.222 MeV] (A_Ge:216)

72Ge32 + 2 D* --> 40Ar18 + 36S16 + 19.390 MeV [1.440 MeV] (A_Ge:217)
72Ge32 + 2 D* --> 46Ca20 + 30Si14 + 21.254 MeV [3.304 MeV] (A_Ge:218)
72Ge32 + 2 D* --> 48Ca20 + 28Si14 + 19.392 MeV [1.443 MeV] (A_Ge:219)
72Ge32 + 2 D* --> 50Ti22 + 26Mg12 + 21.327 MeV [3.377 MeV] (A_Ge:220)
72Ge32 + 2 D* --> 54Cr24 + 22Ne10 + 18.643 MeV [00.693 MeV] (A_Ge:221)
72Ge32 + 2 D* --> 58Fe26 + 18O8 + 16.620 MeV [-1.329 MeV] (A_Ge:222)
72Ge32 + 2 D* --> 64Ni28 + 12C6 + 20.785 MeV [2.835 MeV] (A_Ge:223)
72Ge32 + 2 D* --> 65Cu29 + 11B5 + 12.281 MeV [-5.668 MeV] (A_Ge:224)
72Ge32 + 2 D* --> 67Zn30 + 9Be4 + 10.218 MeV [-7.731 MeV] (A_Ge:225)
72Ge32 + 2 D* --> 69Ga31 + 7Li3 + 8.105 MeV [-9.845 MeV] (A_Ge:226)
72Ge32 + 2 D* --> 72Ge32 + 4He2 + 23.847 MeV [5.897 MeV] (A_Ge:227)
72Ge32 + 2 D* --> 73Ge32 + 3He2 + 10.052 MeV [-7.898 MeV] (A_Ge:228)
72Ge32 + 2 D* --> 75As33 + 1H1 + 19.429 MeV [1.479 MeV] (A_Ge:229)
72Ge32 + 2 D* --> 76Se34 + 28.938 MeV [10.988 MeV] (A_Ge:230)

72Ge32 + 3 D* --> 64Ni28 + 14N7 + 31.057 MeV [3.556 MeV] (A_Ge:231)
72Ge32 + 3 D* --> 65Cu29 + 13C6 + 30.960 MeV [3.459 MeV] (A_Ge:232)
72Ge32 + 3 D* --> 67Zn30 + 11B5 + 26.034 MeV [-1.468 MeV] (A_Ge:233)
72Ge32 + 3 D* --> 68Zn30 + 10B5 + 24.778 MeV [-2.724 MeV] (A_Ge:234)
72Ge32 + 3 D* --> 69Ga31 + 9Be4 + 24.801 MeV [-2.700 MeV] (A_Ge:235)
72Ge32 + 3 D* --> 72Ge32 + 6Li3 + 25.320 MeV [-2.181 MeV] (A_Ge:236)
72Ge32 + 3 D* --> 75As33 + 3He2 + 24.922 MeV [-2.579 MeV] (A_Ge:237)
72Ge32 + 3 D* --> 76Se34 + 2H1 + 28.938 MeV [1.436 MeV] (A_Ge:238)
72Ge32 + 3 D* --> 77Se34 + 1H1 + 34.132 MeV [6.630 MeV] (A_Ge:239)

72Ge32 + 4 D* --> 40Ar18 + 40Ar18 + 50.037 MeV [12.607 MeV] (A_Ge:240)
72Ge32 + 4 D* --> 44Ca20 + 36S16 + 52.090 MeV [14.660 MeV] (A_Ge:241)
72Ge32 + 4 D* --> 46Ca20 + 34S16 + 53.024 MeV [15.594 MeV] (A_Ge:242)
72Ge32 + 4 D* --> 48Ca20 + 32S16 + 50.187 MeV [12.757 MeV] (A_Ge:243)
72Ge32 + 4 D* --> 50Ti22 + 30Si14 + 55.817 MeV [18.387 MeV] (A_Ge:244)
72Ge32 + 4 D* --> 54Cr24 + 26Mg12 + 53.104 MeV [15.674 MeV] (A_Ge:245)
72Ge32 + 4 D* --> 58Fe26 + 22Ne10 + 50.135 MeV [12.705 MeV] (A_Ge:246)
72Ge32 + 4 D* --> 62Ni28 + 18O8 + 47.485 MeV [10.055 MeV] (A_Ge:247)
72Ge32 + 4 D* --> 64Ni28 + 16O8 + 51.793 MeV [14.363 MeV] (A_Ge:248)
72Ge32 + 4 D* --> 65Cu29 + 15N7 + 47.119 MeV [9.689 MeV] (A_Ge:249)
72Ge32 + 4 D* --> 67Zn30 + 13C6 + 44.712 MeV [7.283 MeV] (A_Ge:250)
72Ge32 + 4 D* --> 68Zn30 + 12C6 + 49.964 MeV [12.534 MeV] (A_Ge:251)
72Ge32 + 4 D* --> 69Ga31 + 11B5 + 40.617 MeV [3.187 MeV] (A_Ge:252)
72Ge32 + 4 D* --> 76Se34 + 4He2 + 52.784 MeV [15.354 MeV] (A_Ge:253)
72Ge32 + 4 D* --> 77Se34 + 3He2 + 39.625 MeV [2.196 MeV] (A_Ge:254)
72Ge32 + 4 D* --> 79Br35 + 1H1 + 48.737 MeV [11.307 MeV] (A_Ge:255)
72Ge32 + 4 D* --> 80Kr36 + 57.849 MeV [20.420 MeV] (A_Ge:256)

72Ge32 + 5 D* --> 65Cu29 + 17O8 + 61.165 MeV [13.436 MeV] (A_Ge:257)
72Ge32 + 5 D* --> 67Zn30 + 15N7 + 60.872 MeV [13.142 MeV] (A_Ge:258)
72Ge32 + 5 D* --> 68Zn30 + 14N7 + 60.237 MeV [12.507 MeV] (A_Ge:259)
72Ge32 + 5 D* --> 69Ga31 + 13C6 + 59.295 MeV [11.566 MeV] (A_Ge:260)
72Ge32 + 5 D* --> 72Ge32 + 10B5 + 53.628 MeV [5.898 MeV] (A_Ge:261)
72Ge32 + 5 D* --> 76Se34 + 6Li3 + 54.258 MeV [6.528 MeV] (A_Ge:262)
72Ge32 + 5 D* --> 79Br35 + 3He2 + 54.230 MeV [6.500 MeV] (A_Ge:263)
72Ge32 + 5 D* --> 80Kr36 + 2H1 + 57.849 MeV [10.120 MeV] (A_Ge:264)

72Ge32 + 6 D* --> 44Ca20 + 40Ar18 + 82.737 MeV [24.341 MeV] (A_Ge:265)
72Ge32 + 6 D* --> 46Ca20 + 38Ar18 + 84.078 MeV [25.683 MeV] (A_Ge:266)
72Ge32 + 6 D* --> 48Ca20 + 36Ar18 + 80.674 MeV [22.279 MeV] (A_Ge:267)
72Ge32 + 6 D* --> 48Ti22 + 36S16 + 85.380 MeV [26.985 MeV] (A_Ge:268)
72Ge32 + 6 D* --> 50Ti22 + 34S16 + 87.587 MeV [29.191 MeV] (A_Ge:269)
72Ge32 + 6 D* --> 54Cr24 + 30Si14 + 87.594 MeV [29.198 MeV] (A_Ge:270)
72Ge32 + 6 D* --> 58Fe26 + 26Mg12 + 84.596 MeV [26.201 MeV] (A_Ge:271)
72Ge32 + 6 D* --> 62Ni28 + 22Ne10 + 80.999 MeV [22.604 MeV] (A_Ge:272)
72Ge32 + 6 D* --> 64Ni28 + 20Ne10 + 80.370 MeV [21.974 MeV] (A_Ge:273)
72Ge32 + 6 D* --> 65Cu29 + 19F9 + 74.979 MeV [16.584 MeV] (A_Ge:274)
72Ge32 + 6 D* --> 66Zn30 + 18O8 + 75.909 MeV [17.514 MeV] (A_Ge:275)
72Ge32 + 6 D* --> 67Zn30 + 17O8 + 74.918 MeV [16.522 MeV] (A_Ge:276)
72Ge32 + 6 D* --> 68Zn30 + 16O8 + 80.973 MeV [22.577 MeV] (A_Ge:277)
72Ge32 + 6 D* --> 69Ga31 + 15N7 + 75.455 MeV [17.059 MeV] (A_Ge:278)
72Ge32 + 6 D* --> 72Ge32 + 12C6 + 78.814 MeV [20.419 MeV] (A_Ge:279)
72Ge32 + 6 D* --> 80Kr36 + 4He2 + 81.696 MeV [23.301 MeV] (A_Ge:280)
72Ge32 + 6 D* --> 84Sr38 + 86.872 MeV [28.477 MeV] (A_Ge:281)

72Ge32 + 7 D* --> 46Ca20 + 40K19 + 96.034 MeV [26.612 MeV] (A_Ge:282)
72Ge32 + 7 D* --> 49Ti22 + 37Cl17 + 99.684 MeV [30.262 MeV] (A_Ge:283)
72Ge32 + 7 D* --> 50V23 + 36S16 + 99.250 MeV [29.827 MeV] (A_Ge:284)
72Ge32 + 7 D* --> 65Cu29 + 21Ne10 + 92.360 MeV [22.937 MeV] (A_Ge:285)
72Ge32 + 7 D* --> 67Zn30 + 19F9 + 88.732 MeV [19.309 MeV] (A_Ge:286)
72Ge32 + 7 D* --> 69Ga31 + 17O8 + 89.501 MeV [20.078 MeV] (A_Ge:287)
72Ge32 + 7 D* --> 72Ge32 + 14N7 + 89.087 MeV [19.664 MeV] (A_Ge:288)
72Ge32 + 7 D* --> 76Se34 + 10B5 + 82.565 MeV [13.143 MeV] (A_Ge:289)
72Ge32 + 7 D* --> 80Kr36 + 6Li3 + 83.170 MeV [13.747 MeV] (A_Ge:290)

72Ge32 + 7 D* --> 84Sr38 + 2H1 + 86.872 MeV [17.450 MeV] (A_Ge:291)

72Ge32 + 8 D* --> 44Ca20 + 44Ca20 + 115.437 MeV [34.630 MeV] (A_Ge:292)
72Ge32 + 8 D* --> 46Ca20 + 42Ca20 + 114.182 MeV [33.376 MeV] (A_Ge:293)
72Ge32 + 8 D* --> 48Ca20 + 40Ca20 + 111.560 MeV [30.754 MeV] (A_Ge:294)
72Ge32 + 8 D* --> 48Ti22 + 40Ar18 + 116.027 MeV [35.221 MeV] (A_Ge:295)
72Ge32 + 8 D* --> 50Ti22 + 38Ar18 + 118.641 MeV [37.835 MeV] (A_Ge:296)
72Ge32 + 8 D* --> 51V23 + 37Cl17 + 116.463 MeV [35.656 MeV] (A_Ge:297)
72Ge32 + 8 D* --> 52Cr24 + 36S16 + 118.581 MeV [37.774 MeV] (A_Ge:298)
72Ge32 + 8 D* --> 54Cr24 + 34S16 + 119.364 MeV [38.558 MeV] (A_Ge:299)
72Ge32 + 8 D* --> 58Fe26 + 30Si14 + 119.086 MeV [38.280 MeV] (A_Ge:300)
72Ge32 + 8 D* --> 62Ni28 + 26Mg12 + 115.461 MeV [34.654 MeV] (A_Ge:301)
72Ge32 + 8 D* --> 64Ni28 + 24Mg12 + 113.533 MeV [32.726 MeV] (A_Ge:302)
72Ge32 + 8 D* --> 65Cu29 + 23Na11 + 109.293 MeV [28.487 MeV] (A_Ge:303)
72Ge32 + 8 D* --> 66Zn30 + 22Ne10 + 109.424 MeV [28.618 MeV] (A_Ge:304)
72Ge32 + 8 D* --> 67Zn30 + 21Ne10 + 106.112 MeV [25.306 MeV] (A_Ge:305)
72Ge32 + 8 D* --> 68Zn30 + 20Ne10 + 109.549 MeV [28.743 MeV] (A_Ge:306)
72Ge32 + 8 D* --> 69Ga31 + 19F9 + 103.315 MeV [22.509 MeV] (A_Ge:307)
72Ge32 + 8 D* --> 70Ge32 + 18O8 + 103.844 MeV [23.038 MeV] (A_Ge:308)
72Ge32 + 8 D* --> 72Ge32 + 16O8 + 109.823 MeV [29.016 MeV] (A_Ge:309)
72Ge32 + 8 D* --> 76Se34 + 12C6 + 107.752 MeV [26.945 MeV] (A_Ge:310)
72Ge32 + 8 D* --> 84Sr38 + 4He2 + 110.719 MeV [29.912 MeV] (A_Ge:311)

72Ge32 + 9 D* --> 49Ti22 + 41K19 + 129.753 MeV [37.211 MeV] (A_Ge:312)
72Ge32 + 9 D* --> 50Ti22 + 40K19 + 130.597 MeV [38.055 MeV] (A_Ge:313)
72Ge32 + 9 D* --> 50V23 + 40Ar18 + 129.897 MeV [37.355 MeV] (A_Ge:314)
72Ge32 + 9 D* --> 53Cr24 + 37Cl17 + 132.682 MeV [40.139 MeV] (A_Ge:315)
72Ge32 + 9 D* --> 65Cu29 + 25Mg12 + 126.092 MeV [33.550 MeV] (A_Ge:316)
72Ge32 + 9 D* --> 67Zn30 + 23Na11 + 123.046 MeV [30.503 MeV] (A_Ge:317)
72Ge32 + 9 D* --> 69Ga31 + 21Ne10 + 120.695 MeV [28.153 MeV] (A_Ge:318)
72Ge32 + 9 D* --> 76Se34 + 14N7 + 118.024 MeV [25.482 MeV] (A_Ge:319)
72Ge32 + 9 D* --> 80Kr36 + 10B5 + 111.477 MeV [18.935 MeV] (A_Ge:320)
72Ge32 + 9 D* --> 84Sr38 + 6Li3 + 112.193 MeV [19.650 MeV] (A_Ge:321)

72Ge32 + 10 D* --> 46Ca20 + 46Ti22 + 146.030 MeV [41.404 MeV] (A_Ge:322)
72Ge32 + 10 D* --> 46Ti22 + 46Ca20 + 146.030 MeV [41.404 MeV] (A_Ge:323)
72Ge32 + 10 D* --> 48Ti22 + 44Ca20 + 148.728 MeV [44.101 MeV] (A_Ge:324)
72Ge32 + 10 D* --> 49Ti22 + 43Ca20 + 145.739 MeV [41.113 MeV] (A_Ge:325)
72Ge32 + 10 D* --> 50Ti22 + 42Ca20 + 148.745 MeV [44.119 MeV] (A_Ge:326)
72Ge32 + 10 D* --> 51V23 + 41K19 + 146.532 MeV [41.906 MeV] (A_Ge:327)
72Ge32 + 10 D* --> 52Cr24 + 40Ar18 + 149.228 MeV [44.602 MeV] (A_Ge:328)
72Ge32 + 10 D* --> 54Cr24 + 38Ar18 + 150.418 MeV [45.792 MeV] (A_Ge:329)
72Ge32 + 10 D* --> 55Mn25 + 37Cl17 + 148.243 MeV [43.617 MeV] (A_Ge:330)
72Ge32 + 10 D* --> 56Fe26 + 36S16 + 150.041 MeV [45.415 MeV] (A_Ge:331)
72Ge32 + 10 D* --> 58Fe26 + 34S16 + 150.857 MeV [46.230 MeV] (A_Ge:332)
72Ge32 + 10 D* --> 62Ni28 + 30Si14 + 149.950 MeV [45.324 MeV] (A_Ge:333)
72Ge32 + 10 D* --> 64Ni28 + 28Si14 + 147.363 MeV [42.737 MeV] (A_Ge:334)
72Ge32 + 10 D* --> 65Cu29 + 27Al13 + 143.232 MeV [38.605 MeV] (A_Ge:335)
72Ge32 + 10 D* --> 66Zn30 + 26Mg12 + 143.885 MeV [39.259 MeV] (A_Ge:336)
72Ge32 + 10 D* --> 67Zn30 + 25Mg12 + 139.845 MeV [35.218 MeV] (A_Ge:337)
72Ge32 + 10 D* --> 68Zn30 + 24Mg12 + 142.712 MeV [38.086 MeV] (A_Ge:338)
72Ge32 + 10 D* --> 69Ga31 + 23Na11 + 137.629 MeV [33.003 MeV] (A_Ge:339)
72Ge32 + 10 D* --> 70Ge32 + 22Ne10 + 137.359 MeV [32.733 MeV] (A_Ge:340)
72Ge32 + 10 D* --> 72Ge32 + 20Ne10 + 138.399 MeV [33.773 MeV] (A_Ge:341)

72Ge32 + 10 D* --> 74Se34 + 18O8 + 131.766 MeV [27.139 MeV] (A_Ge:342)
72Ge32 + 10 D* --> 76Se34 + 16O8 + 138.760 MeV [34.134 MeV] (A_Ge:343)
72Ge32 + 10 D* --> 80Kr36 + 12C6 + 136.664 MeV [32.038 MeV] (A_Ge:344)
72Ge32 + 10 D* --> 92Mo42 + 145.576 MeV [40.950 MeV] (A_Ge:345)

72Ge32 + 11 D* --> 49Ti22 + 45Sc21 + 161.534 MeV [44.480 MeV] (A_Ge:346)
72Ge32 + 11 D* --> 50V23 + 44Ca20 + 162.597 MeV [45.543 MeV] (A_Ge:347)
72Ge32 + 11 D* --> 51V23 + 43Ca20 + 162.517 MeV [45.463 MeV] (A_Ge:348)
72Ge32 + 11 D* --> 53Cr24 + 41K19 + 162.751 MeV [45.697 MeV] (A_Ge:349)
72Ge32 + 11 D* --> 54Cr24 + 40K19 + 162.375 MeV [45.321 MeV] (A_Ge:350)
72Ge32 + 11 D* --> 57Fe26 + 37Cl17 + 163.849 MeV [46.795 MeV] (A_Ge:351)
72Ge32 + 11 D* --> 65Cu29 + 29Si14 + 161.066 MeV [44.012 MeV] (A_Ge:352)
72Ge32 + 11 D* --> 67Zn30 + 27Al13 + 156.984 MeV [39.930 MeV] (A_Ge:353)
72Ge32 + 11 D* --> 69Ga31 + 25Mg12 + 154.428 MeV [37.374 MeV] (A_Ge:354)
72Ge32 + 11 D* --> 80Kr36 + 14N7 + 146.936 MeV [29.882 MeV] (A_Ge:355)
72Ge32 + 11 D* --> 84Sr38 + 10B5 + 140.500 MeV [23.446 MeV] (A_Ge:356)
72Ge32 + 11 D* --> 92Mo42 + 2H1 + 145.576 MeV [28.523 MeV] (A_Ge:357)

72Ge32 + 12 D* --> 48Ti22 + 48Ti22 + 182.018 MeV [52.197 MeV] (A_Ge:358)
72Ge32 + 12 D* --> 49Ti22 + 47Ti22 + 178.534 MeV [48.713 MeV] (A_Ge:359)
72Ge32 + 12 D* --> 50Ti22 + 46Ti22 + 180.593 MeV [50.772 MeV] (A_Ge:360)
72Ge32 + 12 D* --> 51V23 + 45Sc21 + 178.312 MeV [48.491 MeV] (A_Ge:361)
72Ge32 + 12 D* --> 50Cr24 + 46Ca20 + 178.437 MeV [48.616 MeV] (A_Ge:362)
72Ge32 + 12 D* --> 52Cr24 + 44Ca20 + 181.928 MeV [52.107 MeV] (A_Ge:363)
72Ge32 + 12 D* --> 53Cr24 + 43Ca20 + 178.736 MeV [48.915 MeV] (A_Ge:364)
72Ge32 + 12 D* --> 54Cr24 + 42Ca20 + 180.522 MeV [50.701 MeV] (A_Ge:365)
72Ge32 + 12 D* --> 55Mn25 + 41K19 + 178.312 MeV [48.491 MeV] (A_Ge:366)
72Ge32 + 12 D* --> 56Fe26 + 40Ar18 + 180.688 MeV [50.867 MeV] (A_Ge:367)
72Ge32 + 12 D* --> 58Fe26 + 38Ar18 + 181.911 MeV [52.090 MeV] (A_Ge:368)
72Ge32 + 12 D* --> 59Co27 + 37Cl17 + 179.033 MeV [49.212 MeV] (A_Ge:369)
72Ge32 + 12 D* --> 60Ni28 + 36S16 + 180.179 MeV [50.358 MeV] (A_Ge:370)
72Ge32 + 12 D* --> 62Ni28 + 34S16 + 181.721 MeV [51.900 MeV] (A_Ge:371)
72Ge32 + 12 D* --> 64Ni28 + 32S16 + 178.158 MeV [48.337 MeV] (A_Ge:372)
72Ge32 + 12 D* --> 65Cu29 + 31P15 + 176.747 MeV [46.926 MeV] (A_Ge:373)
72Ge32 + 12 D* --> 66Zn30 + 30Si14 + 178.375 MeV [48.554 MeV] (A_Ge:374)
72Ge32 + 12 D* --> 67Zn30 + 29Si14 + 174.818 MeV [44.997 MeV] (A_Ge:375)
72Ge32 + 12 D* --> 68Zn30 + 28Si14 + 176.543 MeV [46.722 MeV] (A_Ge:376)
72Ge32 + 12 D* --> 69Ga31 + 27Al13 + 171.567 MeV [41.746 MeV] (A_Ge:377)
72Ge32 + 12 D* --> 70Ge32 + 26Mg12 + 171.820 MeV [41.999 MeV] (A_Ge:378)
72Ge32 + 12 D* --> 72Ge32 + 24Mg12 + 171.562 MeV [41.741 MeV] (A_Ge:379)
72Ge32 + 12 D* --> 74Se34 + 22Ne10 + 165.280 MeV [35.459 MeV] (A_Ge:380)
72Ge32 + 12 D* --> 76Se34 + 20Ne10 + 167.337 MeV [37.516 MeV] (A_Ge:381)
72Ge32 + 12 D* --> 78Kr36 + 18O8 + 160.004 MeV [30.183 MeV] (A_Ge:382)
72Ge32 + 12 D* --> 80Kr36 + 16O8 + 167.672 MeV [37.851 MeV] (A_Ge:383)
72Ge32 + 12 D* --> 84Sr38 + 12C6 + 165.687 MeV [35.866 MeV] (A_Ge:384)
72Ge32 + 12 D* --> 92Mo42 + 4He2 + 169.423 MeV [39.602 MeV] (A_Ge:385)
72Ge32 + 12 D* --> 96Ru44 + 171.115 MeV [41.294 MeV] (A_Ge:386)

73Ge32 + D* --> 48Ca20 + 27Al13 + 3.249 MeV [-5.492 MeV] (A_Ge:387)
73Ge32 + D* --> 64Ni28 + 11B5 + 00.270 MeV [-8.472 MeV] (A_Ge:388)
73Ge32 + D* --> 71Ga31 + 4He2 + 9.554 MeV [00.812 MeV] (A_Ge:389)
73Ge32 + D* --> 74Ge32 + 1H1 + 7.972 MeV [-0.770 MeV] (A_Ge:390)
73Ge32 + D* --> 75As33 + 14.871 MeV [6.129 MeV] (A_Ge:391)

73Ge32 + 2 D* --> 48Ca20 + 29Si14 + 21.083 MeV [3.211 MeV] (A_Ge:392)
73Ge32 + 2 D* --> 64Ni28 + 13C6 + 18.948 MeV [1.076 MeV] (A_Ge:393)
73Ge32 + 2 D* --> 68Zn30 + 9Be4 + 13.633 MeV [-4.238 MeV] (A_Ge:394)
73Ge32 + 2 D* --> 71Ga31 + 6Li3 + 11.027 MeV [-6.844 MeV] (A_Ge:395)
73Ge32 + 2 D* --> 73Ge32 + 4He2 + 23.847 MeV [5.975 MeV] (A_Ge:396)
73Ge32 + 2 D* --> 74Ge32 + 3He2 + 13.465 MeV [-4.407 MeV] (A_Ge:397)
73Ge32 + 2 D* --> 75As33 + 2H1 + 14.871 MeV [-3.001 MeV] (A_Ge:398)
73Ge32 + 2 D* --> 77Se34 + 29.574 MeV [11.702 MeV] (A_Ge:399)

73Ge32 + 3 D* --> 48Ca20 + 31P15 + 36.765 MeV [9.380 MeV] (A_Ge:400)
73Ge32 + 3 D* --> 64Ni28 + 15N7 + 35.107 MeV [7.723 MeV] (A_Ge:401)
73Ge32 + 3 D* --> 68Zn30 + 11B5 + 29.449 MeV [2.064 MeV] (A_Ge:402)
73Ge32 + 3 D* --> 72Ge32 + 7Li3 + 25.787 MeV [-1.597 MeV] (A_Ge:403)
73Ge32 + 3 D* --> 73Ge32 + 6Li3 + 25.320 MeV [-2.064 MeV] (A_Ge:404)
73Ge32 + 3 D* --> 75As33 + 4He2 + 38.717 MeV [11.332 MeV] (A_Ge:405)
73Ge32 + 3 D* --> 77Se34 + 2H1 + 29.574 MeV [2.189 MeV] (A_Ge:406)
73Ge32 + 3 D* --> 78Se34 + 1H1 + 37.847 MeV [10.462 MeV] (A_Ge:407)
73Ge32 + 3 D* --> 79Br35 + 44.178 MeV [16.793 MeV] (A_Ge:408)

73Ge32 + 4 D* --> 48Ca20 + 33S16 + 52.045 MeV [14.770 MeV] (A_Ge:409)
73Ge32 + 4 D* --> 64Ni28 + 17O8 + 49.153 MeV [11.878 MeV] (A_Ge:410)
73Ge32 + 4 D* --> 68Zn30 + 13C6 + 48.128 MeV [10.852 MeV] (A_Ge:411)
73Ge32 + 4 D* --> 71Ga31 + 10B5 + 39.335 MeV [2.060 MeV] (A_Ge:412)
73Ge32 + 4 D* --> 72Ge32 + 9Be4 + 42.484 MeV [5.209 MeV] (A_Ge:413)
73Ge32 + 4 D* --> 75As33 + 6Li3 + 40.191 MeV [2.916 MeV] (A_Ge:414)
73Ge32 + 4 D* --> 77Se34 + 4He2 + 53.420 MeV [16.145 MeV] (A_Ge:415)
73Ge32 + 4 D* --> 78Se34 + 3He2 + 43.340 MeV [6.065 MeV] (A_Ge:416)
73Ge32 + 4 D* --> 79Br35 + 2H1 + 44.178 MeV [6.903 MeV] (A_Ge:417)

73Ge32 + 5 D* --> 46Ca20 + 37Cl17 + 69.278 MeV [21.741 MeV] (A_Ge:418)
73Ge32 + 5 D* --> 48Ca20 + 35Cl17 + 67.609 MeV [20.072 MeV] (A_Ge:419)
73Ge32 + 5 D* --> 64Ni28 + 19F9 + 62.968 MeV [15.431 MeV] (A_Ge:420)
73Ge32 + 5 D* --> 65Cu29 + 18O8 + 62.426 MeV [14.889 MeV] (A_Ge:421)
73Ge32 + 5 D* --> 68Zn30 + 15N7 + 64.287 MeV [16.750 MeV] (A_Ge:422)
73Ge32 + 5 D* --> 71Ga31 + 12C6 + 64.521 MeV [16.984 MeV] (A_Ge:423)
73Ge32 + 5 D* --> 72Ge32 + 11B5 + 58.299 MeV [10.762 MeV] (A_Ge:424)
73Ge32 + 5 D* --> 73Ge32 + 10B5 + 53.628 MeV [6.091 MeV] (A_Ge:425)
73Ge32 + 5 D* --> 76Se34 + 7Li3 + 54.725 MeV [7.188 MeV] (A_Ge:426)
73Ge32 + 5 D* --> 77Se34 + 6Li3 + 54.894 MeV [7.357 MeV] (A_Ge:427)
73Ge32 + 5 D* --> 79Br35 + 4He2 + 68.025 MeV [20.488 MeV] (A_Ge:428)
73Ge32 + 5 D* --> 82Kr36 + 1H1 + 67.682 MeV [20.145 MeV] (A_Ge:429)

73Ge32 + 6 D* --> 49Ti22 + 36S16 + 86.740 MeV [28.574 MeV] (A_Ge:430)
73Ge32 + 6 D* --> 64Ni28 + 21Ne10 + 80.348 MeV [22.182 MeV] (A_Ge:431)
73Ge32 + 6 D* --> 67Zn30 + 18O8 + 76.179 MeV [18.013 MeV] (A_Ge:432)
73Ge32 + 6 D* --> 68Zn30 + 17O8 + 78.333 MeV [20.167 MeV] (A_Ge:433)
73Ge32 + 6 D* --> 71Ga31 + 14N7 + 74.794 MeV [16.628 MeV] (A_Ge:434)
73Ge32 + 6 D* --> 72Ge32 + 13C6 + 76.978 MeV [18.812 MeV] (A_Ge:435)
73Ge32 + 6 D* --> 73Ge32 + 12C6 + 78.814 MeV [20.649 MeV] (A_Ge:436)
73Ge32 + 6 D* --> 75As33 + 10B5 + 68.498 MeV [10.333 MeV] (A_Ge:437)
73Ge32 + 6 D* --> 76Se34 + 9Be4 + 71.421 MeV [13.256 MeV] (A_Ge:438)
73Ge32 + 6 D* --> 79Br35 + 6Li3 + 69.499 MeV [11.333 MeV] (A_Ge:439)
73Ge32 + 6 D* --> 82Kr36 + 3He2 + 73.175 MeV [15.010 MeV] (A_Ge:440)

73Ge32 + 7 D* --> 46Ca20 + 41K19 + 99.347 MeV [30.191 MeV] (A_Ge:441)
73Ge32 + 7 D* --> 48Ca20 + 39K19 + 98.674 MeV [29.518 MeV] (A_Ge:442)
73Ge32 + 7 D* --> 50Ti22 + 37Cl17 + 103.841 MeV [34.685 MeV] (A_Ge:443)
73Ge32 + 7 D* --> 51V23 + 36S16 + 103.518 MeV [34.362 MeV] (A_Ge:444)
73Ge32 + 7 D* --> 64Ni28 + 23Na11 + 97.282 MeV [28.126 MeV] (A_Ge:445)
73Ge32 + 7 D* --> 65Cu29 + 22Ne10 + 95.941 MeV [26.785 MeV] (A_Ge:446)
73Ge32 + 7 D* --> 68Zn30 + 19F9 + 92.147 MeV [22.991 MeV] (A_Ge:447)
73Ge32 + 7 D* --> 69Ga31 + 18O8 + 90.762 MeV [21.606 MeV] (A_Ge:448)
73Ge32 + 7 D* --> 71Ga31 + 16O8 + 95.530 MeV [26.374 MeV] (A_Ge:449)
73Ge32 + 7 D* --> 72Ge32 + 15N7 + 93.137 MeV [23.981 MeV] (A_Ge:450)
73Ge32 + 7 D* --> 73Ge32 + 14N7 + 89.087 MeV [19.931 MeV] (A_Ge:451)
73Ge32 + 7 D* --> 75As33 + 12C6 + 93.685 MeV [24.529 MeV] (A_Ge:452)
73Ge32 + 7 D* --> 76Se34 + 11B5 + 87.237 MeV [18.081 MeV] (A_Ge:453)
73Ge32 + 7 D* --> 77Se34 + 10B5 + 83.201 MeV [14.046 MeV] (A_Ge:454)
73Ge32 + 7 D* --> 80Kr36 + 7Li3 + 83.637 MeV [14.481 MeV] (A_Ge:455)
73Ge32 + 7 D* --> 86Sr38 + 1H1 + 97.887 MeV [28.731 MeV] (A_Ge:456)

73Ge32 + 8 D* --> 46Ca20 + 43Ca20 + 115.332 MeV [34.829 MeV] (A_Ge:457)
73Ge32 + 8 D* --> 49Ti22 + 40Ar18 + 117.387 MeV [36.884 MeV] (A_Ge:458)
73Ge32 + 8 D* --> 53Cr24 + 36S16 + 119.737 MeV [39.234 MeV] (A_Ge:459)
73Ge32 + 8 D* --> 64Ni28 + 25Mg12 + 114.080 MeV [33.578 MeV] (A_Ge:460)
73Ge32 + 8 D* --> 67Zn30 + 22Ne10 + 109.693 MeV [29.191 MeV] (A_Ge:461)
73Ge32 + 8 D* --> 68Zn30 + 21Ne10 + 109.527 MeV [29.025 MeV] (A_Ge:462)
73Ge32 + 8 D* --> 72Ge32 + 17O8 + 107.183 MeV [26.680 MeV] (A_Ge:463)
73Ge32 + 8 D* --> 73Ge32 + 16O8 + 109.823 MeV [29.320 MeV] (A_Ge:464)
73Ge32 + 8 D* --> 75As33 + 14N7 + 103.957 MeV [23.455 MeV] (A_Ge:465)
73Ge32 + 8 D* --> 76Se34 + 13C6 + 105.915 MeV [25.413 MeV] (A_Ge:466)
73Ge32 + 8 D* --> 77Se34 + 12C6 + 108.388 MeV [27.885 MeV] (A_Ge:467)
73Ge32 + 8 D* --> 79Br35 + 10B5 + 97.806 MeV [17.303 MeV] (A_Ge:468)
73Ge32 + 8 D* --> 80Kr36 + 9Be4 + 100.333 MeV [19.830 MeV] (A_Ge:469)
73Ge32 + 8 D* --> 86Sr38 + 3He2 + 103.381 MeV [22.878 MeV] (A_Ge:470)

73Ge32 + 9 D* --> 46Ca20 + 45Sc21 + 131.127 MeV [38.925 MeV] (A_Ge:471)
73Ge32 + 9 D* --> 50Ti22 + 41K19 + 133.910 MeV [41.708 MeV] (A_Ge:472)
73Ge32 + 9 D* --> 51V23 + 40Ar18 + 134.165 MeV [41.963 MeV] (A_Ge:473)
73Ge32 + 9 D* --> 54Cr24 + 37Cl17 + 135.618 MeV [43.416 MeV] (A_Ge:474)
73Ge32 + 9 D* --> 55Mn25 + 36S16 + 135.299 MeV [43.096 MeV] (A_Ge:475)
73Ge32 + 9 D* --> 64Ni28 + 27Al13 + 131.220 MeV [39.018 MeV] (A_Ge:476)
73Ge32 + 9 D* --> 65Cu29 + 26Mg12 + 130.402 MeV [38.200 MeV] (A_Ge:477)
73Ge32 + 9 D* --> 68Zn30 + 23Na11 + 126.461 MeV [34.259 MeV] (A_Ge:478)
73Ge32 + 9 D* --> 69Ga31 + 22Ne10 + 124.276 MeV [32.074 MeV] (A_Ge:479)
73Ge32 + 9 D* --> 71Ga31 + 20Ne10 + 124.106 MeV [31.904 MeV] (A_Ge:480)
73Ge32 + 9 D* --> 72Ge32 + 19F9 + 120.997 MeV [28.795 MeV] (A_Ge:481)
73Ge32 + 9 D* --> 75As33 + 16O8 + 124.693 MeV [32.491 MeV] (A_Ge:482)
73Ge32 + 9 D* --> 76Se34 + 15N7 + 122.075 MeV [29.872 MeV] (A_Ge:483)
73Ge32 + 9 D* --> 77Se34 + 14N7 + 118.660 MeV [26.458 MeV] (A_Ge:484)
73Ge32 + 9 D* --> 79Br35 + 12C6 + 122.992 MeV [30.790 MeV] (A_Ge:485)
73Ge32 + 9 D* --> 80Kr36 + 11B5 + 116.149 MeV [23.946 MeV] (A_Ge:486)
73Ge32 + 9 D* --> 84Sr38 + 7Li3 + 112.660 MeV [20.457 MeV] (A_Ge:487)
73Ge32 + 9 D* --> 90Zr40 + 1H1 + 128.402 MeV [36.200 MeV] (A_Ge:488)

73Ge32 + 10 D* --> 47Ti22 + 46Ca20 + 148.127 MeV [43.877 MeV] (A_Ge:489)
73Ge32 + 10 D* --> 49Ti22 + 44Ca20 + 150.087 MeV [45.837 MeV] (A_Ge:490)
73Ge32 + 10 D* --> 50Ti22 + 43Ca20 + 149.895 MeV [45.645 MeV] (A_Ge:491)

73Ge32 + 10 D* --> 53Cr24 + 40Ar18 + 150.384 MeV [46.134 MeV] (A_Ge:492)
73Ge32 + 10 D* --> 57Fe26 + 36S16 + 150.904 MeV [46.654 MeV] (A_Ge:493)
73Ge32 + 10 D* --> 64Ni28 + 29Si14 + 149.054 MeV [44.804 MeV] (A_Ge:494)
73Ge32 + 10 D* --> 67Zn30 + 26Mg12 + 144.155 MeV [39.905 MeV] (A_Ge:495)
73Ge32 + 10 D* --> 68Zn30 + 25Mg12 + 143.260 MeV [39.010 MeV] (A_Ge:496)
73Ge32 + 10 D* --> 72Ge32 + 21Ne10 + 138.377 MeV [34.128 MeV] (A_Ge:497)
73Ge32 + 10 D* --> 73Ge32 + 20Ne10 + 138.399 MeV [34.149 MeV] (A_Ge:498)
73Ge32 + 10 D* --> 76Se34 + 17O8 + 136.121 MeV [31.871 MeV] (A_Ge:499)
73Ge32 + 10 D* --> 77Se34 + 16O8 + 139.396 MeV [35.146 MeV] (A_Ge:500)
73Ge32 + 10 D* --> 79Br35 + 14N7 + 133.265 MeV [29.015 MeV] (A_Ge:501)
73Ge32 + 10 D* --> 80Kr36 + 13C6 + 134.827 MeV [30.577 MeV] (A_Ge:502)
73Ge32 + 10 D* --> 84Sr38 + 9Be4 + 129.356 MeV [25.106 MeV] (A_Ge:503)
73Ge32 + 10 D* --> 90Zr40 + 3He2 + 133.896 MeV [29.646 MeV] (A_Ge:504)

73Ge32 + 11 D* --> 50Ti22 + 45Sc21 + 165.690 MeV [49.048 MeV] (A_Ge:505)
73Ge32 + 11 D* --> 51V23 + 44Ca20 + 166.865 MeV [50.224 MeV] (A_Ge:506)
73Ge32 + 11 D* --> 54Cr24 + 41K19 + 165.687 MeV [49.045 MeV] (A_Ge:507)
73Ge32 + 11 D* --> 55Mn25 + 40Ar18 + 165.946 MeV [49.304 MeV] (A_Ge:508)
73Ge32 + 11 D* --> 58Fe26 + 37Cl17 + 167.110 MeV [50.469 MeV] (A_Ge:509)
73Ge32 + 11 D* --> 59Co27 + 36S16 + 166.088 MeV [49.446 MeV] (A_Ge:510)
73Ge32 + 11 D* --> 64Ni28 + 31P15 + 164.736 MeV [48.094 MeV] (A_Ge:511)
73Ge32 + 11 D* --> 65Cu29 + 30Si14 + 164.892 MeV [48.250 MeV] (A_Ge:512)
73Ge32 + 11 D* --> 68Zn30 + 27Al13 + 160.399 MeV [43.758 MeV] (A_Ge:513)
73Ge32 + 11 D* --> 69Ga31 + 26Mg12 + 158.738 MeV [42.096 MeV] (A_Ge:514)
73Ge32 + 11 D* --> 71Ga31 + 24Mg12 + 157.269 MeV [40.628 MeV] (A_Ge:515)
73Ge32 + 11 D* --> 72Ge32 + 23Na11 + 155.311 MeV [38.670 MeV] (A_Ge:516)
73Ge32 + 11 D* --> 75As33 + 20Ne10 + 153.270 MeV [36.628 MeV] (A_Ge:517)
73Ge32 + 11 D* --> 76Se34 + 19F9 + 149.935 MeV [33.293 MeV] (A_Ge:518)
73Ge32 + 11 D* --> 79Br35 + 16O8 + 154.001 MeV [37.359 MeV] (A_Ge:519)
73Ge32 + 11 D* --> 80Kr36 + 15N7 + 150.986 MeV [34.345 MeV] (A_Ge:520)
73Ge32 + 11 D* --> 84Sr38 + 11B5 + 145.171 MeV [28.530 MeV] (A_Ge:521)
73Ge32 + 11 D* --> 94Mo42 + 1H1 + 154.316 MeV [37.675 MeV] (A_Ge:522)

73Ge32 + 12 D* --> 49Ti22 + 48Ti22 + 183.378 MeV [54.004 MeV] (A_Ge:523)
73Ge32 + 12 D* --> 50Ti22 + 47Ti22 + 182.690 MeV [53.317 MeV] (A_Ge:524)
73Ge32 + 12 D* --> 53Cr24 + 44Ca20 + 183.084 MeV [53.711 MeV] (A_Ge:525)
73Ge32 + 12 D* --> 54Cr24 + 43Ca20 + 181.672 MeV [52.299 MeV] (A_Ge:526)
73Ge32 + 12 D* --> 57Fe26 + 40Ar18 + 181.551 MeV [52.178 MeV] (A_Ge:527)
73Ge32 + 12 D* --> 61Ni28 + 36S16 + 181.216 MeV [51.843 MeV] (A_Ge:528)
73Ge32 + 12 D* --> 64Ni28 + 33S16 + 180.016 MeV [50.643 MeV] (A_Ge:529)
73Ge32 + 12 D* --> 67Zn30 + 30Si14 + 178.644 MeV [49.271 MeV] (A_Ge:530)
73Ge32 + 12 D* --> 68Zn30 + 29Si14 + 178.233 MeV [48.860 MeV] (A_Ge:531)
73Ge32 + 12 D* --> 72Ge32 + 25Mg12 + 172.110 MeV [42.736 MeV] (A_Ge:532)
73Ge32 + 12 D* --> 73Ge32 + 24Mg12 + 171.562 MeV [42.189 MeV] (A_Ge:533)
73Ge32 + 12 D* --> 76Se34 + 21Ne10 + 167.315 MeV [37.942 MeV] (A_Ge:534)
73Ge32 + 12 D* --> 77Se34 + 20Ne10 + 167.973 MeV [38.599 MeV] (A_Ge:535)
73Ge32 + 12 D* --> 80Kr36 + 17O8 + 165.032 MeV [35.659 MeV] (A_Ge:536)
73Ge32 + 12 D* --> 84Sr38 + 13C6 + 163.850 MeV [34.477 MeV] (A_Ge:537)
73Ge32 + 12 D* --> 94Mo42 + 3He2 + 159.810 MeV [30.436 MeV] (A_Ge:538)

74Ge32 + 2 D* --> 48Ca20 + 30Si14 + 21.496 MeV [3.701 MeV] (A_Ge:539)
74Ge32 + 2 D* --> 71Ga31 + 7Li3 + 8.081 MeV [-9.714 MeV] (A_Ge:540)
74Ge32 + 2 D* --> 74Ge32 + 4He2 + 23.847 MeV [6.052 MeV] (A_Ge:541)

74Ge32 + 2 D* --> 78Se34 + 29.875 MeV [12.080 MeV] (A_Ge:542)

74Ge32 + 3 D* --> 70Zn30 + 10B5 + 23.499 MeV [-3.772 MeV] (A_Ge:543)
74Ge32 + 3 D* --> 71Ga31 + 9Be4 + 24.777 MeV [-2.493 MeV] (A_Ge:544)
74Ge32 + 3 D* --> 73Ge32 + 7Li3 + 22.374 MeV [-4.896 MeV] (A_Ge:545)
74Ge32 + 3 D* --> 74Ge32 + 6Li3 + 25.320 MeV [-1.950 MeV] (A_Ge:546)
74Ge32 + 3 D* --> 78Se34 + 2H1 + 29.875 MeV [2.605 MeV] (A_Ge:547)

74Ge32 + 4 D* --> 46Ca20 + 36S16 + 52.920 MeV [15.797 MeV] (A_Ge:548)
74Ge32 + 4 D* --> 48Ca20 + 34S16 + 53.266 MeV [16.143 MeV] (A_Ge:549)
74Ge32 + 4 D* --> 64Ni28 + 18O8 + 47.001 MeV [9.878 MeV] (A_Ge:550)
74Ge32 + 4 D* --> 70Zn30 + 12C6 + 48.685 MeV [11.562 MeV] (A_Ge:551)
74Ge32 + 4 D* --> 71Ga31 + 11B5 + 40.593 MeV [3.470 MeV] (A_Ge:552)
74Ge32 + 4 D* --> 73Ge32 + 9Be4 + 39.070 MeV [1.947 MeV] (A_Ge:553)
74Ge32 + 4 D* --> 75As33 + 7Li3 + 37.245 MeV [00.122 MeV] (A_Ge:554)
74Ge32 + 4 D* --> 78Se34 + 4He2 + 53.722 MeV [16.599 MeV] (A_Ge:555)
74Ge32 + 4 D* --> 81Br35 + 1H1 + 49.806 MeV [12.683 MeV] (A_Ge:556)
74Ge32 + 4 D* --> 82Kr36 + 59.710 MeV [22.587 MeV] (A_Ge:557)

74Ge32 + 5 D* --> 70Zn30 + 14N7 + 58.957 MeV [11.610 MeV] (A_Ge:558)
74Ge32 + 5 D* --> 71Ga31 + 13C6 + 59.271 MeV [11.924 MeV] (A_Ge:559)
74Ge32 + 5 D* --> 73Ge32 + 11B5 + 54.886 MeV [7.538 MeV] (A_Ge:560)
74Ge32 + 5 D* --> 74Ge32 + 10B5 + 53.628 MeV [6.280 MeV] (A_Ge:561)
74Ge32 + 5 D* --> 75As33 + 9Be4 + 53.941 MeV [6.593 MeV] (A_Ge:562)
74Ge32 + 5 D* --> 77Se34 + 7Li3 + 51.948 MeV [4.600 MeV] (A_Ge:563)
74Ge32 + 5 D* --> 78Se34 + 6Li3 + 55.195 MeV [7.848 MeV] (A_Ge:564)
74Ge32 + 5 D* --> 81Br35 + 3He2 + 55.300 MeV [7.952 MeV] (A_Ge:565)
74Ge32 + 5 D* --> 82Kr36 + 2H1 + 59.710 MeV [12.362 MeV] (A_Ge:566)
74Ge32 + 5 D* --> 83Kr36 + 1H1 + 64.949 MeV [17.601 MeV] (A_Ge:567)

74Ge32 + 6 D* --> 46Ca20 + 40Ar18 + 83.567 MeV [25.628 MeV] (A_Ge:568)
74Ge32 + 6 D* --> 48Ca20 + 38Ar18 + 84.321 MeV [26.381 MeV] (A_Ge:569)
74Ge32 + 6 D* --> 50Ti22 + 36S16 + 87.483 MeV [29.543 MeV] (A_Ge:570)
74Ge32 + 6 D* --> 64Ni28 + 22Ne10 + 80.516 MeV [22.577 MeV] (A_Ge:571)
74Ge32 + 6 D* --> 68Zn30 + 18O8 + 76.181 MeV [18.241 MeV] (A_Ge:572)
74Ge32 + 6 D* --> 70Zn30 + 16O8 + 79.694 MeV [21.754 MeV] (A_Ge:573)
74Ge32 + 6 D* --> 71Ga31 + 15N7 + 75.431 MeV [17.491 MeV] (A_Ge:574)
74Ge32 + 6 D* --> 73Ge32 + 13C6 + 73.564 MeV [15.625 MeV] (A_Ge:575)
74Ge32 + 6 D* --> 74Ge32 + 12C6 + 78.814 MeV [20.875 MeV] (A_Ge:576)
74Ge32 + 6 D* --> 75As33 + 11B5 + 69.756 MeV [11.817 MeV] (A_Ge:577)
74Ge32 + 6 D* --> 77Se34 + 9Be4 + 68.644 MeV [10.705 MeV] (A_Ge:578)
74Ge32 + 6 D* --> 79Br35 + 7Li3 + 66.552 MeV [8.613 MeV] (A_Ge:579)
74Ge32 + 6 D* --> 82Kr36 + 4He2 + 83.556 MeV [25.617 MeV] (A_Ge:580)
74Ge32 + 6 D* --> 83Kr36 + 3He2 + 70.442 MeV [12.503 MeV] (A_Ge:581)
74Ge32 + 6 D* --> 85Rb37 + 1H1 + 80.270 MeV [22.331 MeV] (A_Ge:582)
74Ge32 + 6 D* --> 86Sr38 + 89.915 MeV [31.976 MeV] (A_Ge:583)

74Ge32 + 7 D* --> 48Ca20 + 40K19 + 96.277 MeV [27.384 MeV] (A_Ge:584)
74Ge32 + 7 D* --> 71Ga31 + 17O8 + 89.477 MeV [20.584 MeV] (A_Ge:585)
74Ge32 + 7 D* --> 73Ge32 + 15N7 + 89.724 MeV [20.831 MeV] (A_Ge:586)
74Ge32 + 7 D* --> 74Ge32 + 14N7 + 89.087 MeV [20.194 MeV] (A_Ge:587)
74Ge32 + 7 D* --> 75As33 + 13C6 + 88.435 MeV [19.542 MeV] (A_Ge:588)
74Ge32 + 7 D* --> 77Se34 + 11B5 + 84.459 MeV [15.567 MeV] (A_Ge:589)
74Ge32 + 7 D* --> 78Se34 + 10B5 + 83.503 MeV [14.610 MeV] (A_Ge:590)

74Ge32 + 7 D* --> 79Br35 + 9Be4 + 83.248 MeV [14.356 MeV] (A_Ge:591)
74Ge32 + 7 D* --> 82Kr36 + 6Li3 + 85.030 MeV [16.138 MeV] (A_Ge:592)
74Ge32 + 7 D* --> 85Rb37 + 3He2 + 85.764 MeV [16.871 MeV] (A_Ge:593)
74Ge32 + 7 D* --> 86Sr38 + 2H1 + 89.915 MeV [21.023 MeV] (A_Ge:594)
74Ge32 + 7 D* --> 87Sr38 + 1H1 + 96.119 MeV [27.226 MeV] (A_Ge:595)

74Ge32 + 8 D* --> 46Ca20 + 44Ca20 + 116.267 MeV [36.063 MeV] (A_Ge:596)
74Ge32 + 8 D* --> 48Ca20 + 42Ca20 + 114.425 MeV [34.221 MeV] (A_Ge:597)
74Ge32 + 8 D* --> 50Ti22 + 40Ar18 + 118.130 MeV [37.926 MeV] (A_Ge:598)
74Ge32 + 8 D* --> 54Cr24 + 36S16 + 119.260 MeV [39.057 MeV] (A_Ge:599)
74Ge32 + 8 D* --> 64Ni28 + 26Mg12 + 114.977 MeV [34.774 MeV] (A_Ge:600)
74Ge32 + 8 D* --> 68Zn30 + 22Ne10 + 109.695 MeV [29.492 MeV] (A_Ge:601)
74Ge32 + 8 D* --> 70Zn30 + 20Ne10 + 108.270 MeV [28.066 MeV] (A_Ge:602)
74Ge32 + 8 D* --> 71Ga31 + 19F9 + 103.291 MeV [23.088 MeV] (A_Ge:603)
74Ge32 + 8 D* --> 72Ge32 + 18O8 + 105.031 MeV [24.827 MeV] (A_Ge:604)
74Ge32 + 8 D* --> 73Ge32 + 17O8 + 103.770 MeV [23.566 MeV] (A_Ge:605)
74Ge32 + 8 D* --> 74Ge32 + 16O8 + 109.823 MeV [29.619 MeV] (A_Ge:606)
74Ge32 + 8 D* --> 75As33 + 15N7 + 104.594 MeV [24.391 MeV] (A_Ge:607)
74Ge32 + 8 D* --> 77Se34 + 13C6 + 103.138 MeV [22.934 MeV] (A_Ge:608)
74Ge32 + 8 D* --> 78Se34 + 12C6 + 108.689 MeV [28.486 MeV] (A_Ge:609)
74Ge32 + 8 D* --> 79Br35 + 11B5 + 99.064 MeV [18.860 MeV] (A_Ge:610)
74Ge32 + 8 D* --> 86Sr38 + 4He2 + 113.762 MeV [33.559 MeV] (A_Ge:611)
74Ge32 + 8 D* --> 87Sr38 + 3He2 + 101.613 MeV [21.409 MeV] (A_Ge:612)
74Ge32 + 8 D* --> 89Y39 + 1H1 + 112.076 MeV [31.873 MeV] (A_Ge:613)
74Ge32 + 8 D* --> 90Zr40 + 120.431 MeV [40.227 MeV] (A_Ge:614)

74Ge32 + 9 D* --> 71Ga31 + 21Ne10 + 120.671 MeV [28.804 MeV] (A_Ge:615)
74Ge32 + 9 D* --> 73Ge32 + 19F9 + 117.584 MeV [25.717 MeV] (A_Ge:616)
74Ge32 + 9 D* --> 75As33 + 17O8 + 118.640 MeV [26.773 MeV] (A_Ge:617)
74Ge32 + 9 D* --> 77Se34 + 15N7 + 119.297 MeV [27.430 MeV] (A_Ge:618)
74Ge32 + 9 D* --> 78Se34 + 14N7 + 118.962 MeV [27.095 MeV] (A_Ge:619)
74Ge32 + 9 D* --> 79Br35 + 13C6 + 117.743 MeV [25.876 MeV] (A_Ge:620)
74Ge32 + 9 D* --> 82Kr36 + 10B5 + 113.338 MeV [21.471 MeV] (A_Ge:621)
74Ge32 + 9 D* --> 86Sr38 + 6Li3 + 115.236 MeV [23.369 MeV] (A_Ge:622)
74Ge32 + 9 D* --> 89Y39 + 3He2 + 117.570 MeV [25.703 MeV] (A_Ge:623)
74Ge32 + 9 D* --> 90Zr40 + 2H1 + 120.431 MeV [28.564 MeV] (A_Ge:624)
74Ge32 + 9 D* --> 91Zr40 + 1H1 + 125.400 MeV [33.534 MeV] (A_Ge:625)

74Ge32 + 10 D* --> 48Ca20 + 46Ti22 + 146.272 MeV [42.394 MeV] (A_Ge:626)
74Ge32 + 10 D* --> 48Ti22 + 46Ca20 + 149.558 MeV [45.679 MeV] (A_Ge:627)
74Ge32 + 10 D* --> 50Ti22 + 44Ca20 + 150.830 MeV [46.951 MeV] (A_Ge:628)
74Ge32 + 10 D* --> 54Cr24 + 40Ar18 + 149.907 MeV [46.028 MeV] (A_Ge:629)
74Ge32 + 10 D* --> 58Fe26 + 36S16 + 150.752 MeV [46.873 MeV] (A_Ge:630)
74Ge32 + 10 D* --> 64Ni28 + 30Si14 + 149.467 MeV [45.588 MeV] (A_Ge:631)
74Ge32 + 10 D* --> 68Zn30 + 26Mg12 + 144.157 MeV [40.278 MeV] (A_Ge:632)
74Ge32 + 10 D* --> 70Zn30 + 24Mg12 + 141.433 MeV [37.554 MeV] (A_Ge:633)
74Ge32 + 10 D* --> 71Ga31 + 23Na11 + 137.605 MeV [33.726 MeV] (A_Ge:634)
74Ge32 + 10 D* --> 72Ge32 + 22Ne10 + 138.545 MeV [34.667 MeV] (A_Ge:635)
74Ge32 + 10 D* --> 73Ge32 + 21Ne10 + 134.964 MeV [31.085 MeV] (A_Ge:636)
74Ge32 + 10 D* --> 74Ge32 + 20Ne10 + 138.399 MeV [34.520 MeV] (A_Ge:637)
74Ge32 + 10 D* --> 75As33 + 19F9 + 132.455 MeV [28.576 MeV] (A_Ge:638)
74Ge32 + 10 D* --> 76Se34 + 18O8 + 133.968 MeV [30.090 MeV] (A_Ge:639)
74Ge32 + 10 D* --> 77Se34 + 17O8 + 133.343 MeV [29.464 MeV] (A_Ge:640)
74Ge32 + 10 D* --> 78Se34 + 16O8 + 139.698 MeV [35.819 MeV] (A_Ge:641)

74Ge32 + 10 D* --> 79Br35 + 15N7 + 133.902 MeV [30.023 MeV] (A_Ge:642)
74Ge32 + 10 D* --> 82Kr36 + 12C6 + 138.524 MeV [34.645 MeV] (A_Ge:643)
74Ge32 + 10 D* --> 90Zr40 + 4He2 + 144.277 MeV [40.398 MeV] (A_Ge:644)
74Ge32 + 10 D* --> 91Zr40 + 3He2 + 130.894 MeV [27.015 MeV] (A_Ge:645)
74Ge32 + 10 D* --> 93Nb41 + 1H1 + 137.854 MeV [33.975 MeV] (A_Ge:646)
74Ge32 + 10 D* --> 94Mo42 + 146.344 MeV [42.466 MeV] (A_Ge:647)

74Ge32 + 11 D* --> 50V23 + 46Ca20 + 163.427 MeV [47.192 MeV] (A_Ge:648)
74Ge32 + 11 D* --> 71Ga31 + 25Mg12 + 154.404 MeV [38.168 MeV] (A_Ge:649)
74Ge32 + 11 D* --> 73Ge32 + 23Na11 + 151.898 MeV [35.663 MeV] (A_Ge:650)
74Ge32 + 11 D* --> 75As33 + 21Ne10 + 149.835 MeV [33.600 MeV] (A_Ge:651)
74Ge32 + 11 D* --> 77Se34 + 19F9 + 147.157 MeV [30.922 MeV] (A_Ge:652)
74Ge32 + 11 D* --> 79Br35 + 17O8 + 147.948 MeV [31.713 MeV] (A_Ge:653)
74Ge32 + 11 D* --> 82Kr36 + 14N7 + 148.797 MeV [32.561 MeV] (A_Ge:654)
74Ge32 + 11 D* --> 86Sr38 + 10B5 + 143.543 MeV [27.308 MeV] (A_Ge:655)
74Ge32 + 11 D* --> 90Zr40 + 6Li3 + 145.751 MeV [29.516 MeV] (A_Ge:656)
74Ge32 + 11 D* --> 93Nb41 + 3He2 + 143.348 MeV [27.112 MeV] (A_Ge:657)
74Ge32 + 11 D* --> 94Mo42 + 2H1 + 146.344 MeV [30.109 MeV] (A_Ge:658)
74Ge32 + 11 D* --> 95Mo42 + 1H1 + 151.489 MeV [35.254 MeV] (A_Ge:659)

74Ge32 + 12 D* --> 49Ti22 + 49Ti22 + 181.324 MeV [52.392 MeV] (A_Ge:660)
74Ge32 + 12 D* --> 50Ti22 + 48Ti22 + 184.121 MeV [55.189 MeV] (A_Ge:661)
74Ge32 + 12 D* --> 50Cr24 + 48Ca20 + 178.680 MeV [49.748 MeV] (A_Ge:662)
74Ge32 + 12 D* --> 52Cr24 + 46Ca20 + 182.758 MeV [53.826 MeV] (A_Ge:663)
74Ge32 + 12 D* --> 54Cr24 + 44Ca20 + 182.607 MeV [53.675 MeV] (A_Ge:664)
74Ge32 + 12 D* --> 58Fe26 + 40Ar18 + 181.400 MeV [52.468 MeV] (A_Ge:665)
74Ge32 + 12 D* --> 62Ni28 + 36S16 + 181.616 MeV [52.685 MeV] (A_Ge:666)
74Ge32 + 12 D* --> 64Ni28 + 34S16 + 181.237 MeV [52.305 MeV] (A_Ge:667)
74Ge32 + 12 D* --> 68Zn30 + 30Si14 + 178.646 MeV [49.715 MeV] (A_Ge:668)
74Ge32 + 12 D* --> 70Zn30 + 28Si14 + 175.264 MeV [46.332 MeV] (A_Ge:669)
74Ge32 + 12 D* --> 71Ga31 + 27Al13 + 171.543 MeV [42.611 MeV] (A_Ge:670)
74Ge32 + 12 D* --> 72Ge32 + 26Mg12 + 173.007 MeV [44.075 MeV] (A_Ge:671)
74Ge32 + 12 D* --> 73Ge32 + 25Mg12 + 168.697 MeV [39.765 MeV] (A_Ge:672)
74Ge32 + 12 D* --> 74Ge32 + 24Mg12 + 171.562 MeV [42.630 MeV] (A_Ge:673)
74Ge32 + 12 D* --> 75As33 + 23Na11 + 166.768 MeV [37.837 MeV] (A_Ge:674)
74Ge32 + 12 D* --> 76Se34 + 22Ne10 + 167.483 MeV [38.551 MeV] (A_Ge:675)
74Ge32 + 12 D* --> 77Se34 + 21Ne10 + 164.538 MeV [35.606 MeV] (A_Ge:676)
74Ge32 + 12 D* --> 78Se34 + 20Ne10 + 168.274 MeV [39.342 MeV] (A_Ge:677)
74Ge32 + 12 D* --> 79Br35 + 19F9 + 161.762 MeV [32.830 MeV] (A_Ge:678)
74Ge32 + 12 D* --> 80Kr36 + 18O8 + 162.880 MeV [33.948 MeV] (A_Ge:679)
74Ge32 + 12 D* --> 82Kr36 + 16O8 + 169.533 MeV [40.601 MeV] (A_Ge:680)
74Ge32 + 12 D* --> 86Sr38 + 12C6 + 168.730 MeV [39.798 MeV] (A_Ge:681)
74Ge32 + 12 D* --> 94Mo42 + 4He2 + 170.191 MeV [41.259 MeV] (A_Ge:682)
74Ge32 + 12 D* --> 95Mo42 + 3He2 + 156.983 MeV [28.051 MeV] (A_Ge:683)
74Ge32 + 12 D* --> 98Ru44 + 172.431 MeV [43.499 MeV] (A_Ge:684)

76Ge32 + 2 D* --> 76Ge32 + 4He2 + 23.847 MeV [6.201 MeV] (A_Ge:685)
76Ge32 + 2 D* --> 80Se34 + 30.818 MeV [13.173 MeV] (A_Ge:686)

76Ge32 + 3 D* --> 76Ge32 + 6Li3 + 25.320 MeV [-1.726 MeV] (A_Ge:687)
76Ge32 + 3 D* --> 80Se34 + 2H1 + 30.818 MeV [3.772 MeV] (A_Ge:688)

76Ge32 + 4 D* --> 48Ca20 + 36S16 + 54.208 MeV [17.382 MeV] (A_Ge:689)

76Ge32 + 4 D* --> 80Se34 + 4He2 + 54.665 MeV [17.839 MeV] (A_Ge:690)
76Ge32 + 4 D* --> 84Kr36 + 61.761 MeV [24.935 MeV] (A_Ge:691)

76Ge32 + 5 D* --> 76Ge32 + 10B5 + 53.628 MeV [6.650 MeV] (A_Ge:692)
76Ge32 + 5 D* --> 80Se34 + 6Li3 + 56.139 MeV [9.161 MeV] (A_Ge:693)
76Ge32 + 5 D* --> 84Kr36 + 2H1 + 61.761 MeV [14.783 MeV] (A_Ge:694)

76Ge32 + 6 D* --> 48Ca20 + 40Ar18 + 84.855 MeV [27.358 MeV] (A_Ge:695)
76Ge32 + 6 D* --> 70Zn30 + 18O8 + 75.947 MeV [18.451 MeV] (A_Ge:696)
76Ge32 + 6 D* --> 76Ge32 + 12C6 + 78.814 MeV [21.317 MeV] (A_Ge:697)
76Ge32 + 6 D* --> 81Br35 + 7Li3 + 68.668 MeV [11.171 MeV] (A_Ge:698)
76Ge32 + 6 D* --> 84Kr36 + 4He2 + 85.607 MeV [28.110 MeV] (A_Ge:699)
76Ge32 + 6 D* --> 87Rb37 + 1H1 + 82.910 MeV [25.413 MeV] (A_Ge:700)
76Ge32 + 6 D* --> 88Sr38 + 93.523 MeV [36.026 MeV] (A_Ge:701)

76Ge32 + 7 D* --> 76Ge32 + 14N7 + 89.087 MeV [20.708 MeV] (A_Ge:702)
76Ge32 + 7 D* --> 80Se34 + 10B5 + 84.446 MeV [16.068 MeV] (A_Ge:703)
76Ge32 + 7 D* --> 81Br35 + 9Be4 + 85.364 MeV [16.986 MeV] (A_Ge:704)
76Ge32 + 7 D* --> 83Kr36 + 7Li3 + 83.811 MeV [15.432 MeV] (A_Ge:705)
76Ge32 + 7 D* --> 84Kr36 + 6Li3 + 87.081 MeV [18.703 MeV] (A_Ge:706)
76Ge32 + 7 D* --> 87Rb37 + 3He2 + 88.404 MeV [20.025 MeV] (A_Ge:707)
76Ge32 + 7 D* --> 88Sr38 + 2H1 + 93.523 MeV [25.144 MeV] (A_Ge:708)

76Ge32 + 8 D* --> 46Ca20 + 46Ca20 + 118.143 MeV [38.525 MeV] (A_Ge:709)
76Ge32 + 8 D* --> 48Ca20 + 44Ca20 + 117.555 MeV [37.937 MeV] (A_Ge:710)
76Ge32 + 8 D* --> 70Zn30 + 22Ne10 + 109.462 MeV [29.844 MeV] (A_Ge:711)
76Ge32 + 8 D* --> 74Ge32 + 18O8 + 106.077 MeV [26.459 MeV] (A_Ge:712)
76Ge32 + 8 D* --> 76Ge32 + 16O8 + 109.823 MeV [30.205 MeV] (A_Ge:713)
76Ge32 + 8 D* --> 80Se34 + 12C6 + 109.633 MeV [30.015 MeV] (A_Ge:714)
76Ge32 + 8 D* --> 81Br35 + 11B5 + 101.180 MeV [21.562 MeV] (A_Ge:715)
76Ge32 + 8 D* --> 83Kr36 + 9Be4 + 100.507 MeV [20.889 MeV] (A_Ge:716)
76Ge32 + 8 D* --> 85Rb37 + 7Li3 + 99.132 MeV [19.514 MeV] (A_Ge:717)
76Ge32 + 8 D* --> 88Sr38 + 4He2 + 117.370 MeV [37.752 MeV] (A_Ge:718)
76Ge32 + 8 D* --> 92Zr40 + 120.327 MeV [40.709 MeV] (A_Ge:719)

76Ge32 + 9 D* --> 80Se34 + 14N7 + 119.905 MeV [28.694 MeV] (A_Ge:720)
76Ge32 + 9 D* --> 81Br35 + 13C6 + 119.858 MeV [28.648 MeV] (A_Ge:721)
76Ge32 + 9 D* --> 83Kr36 + 11B5 + 116.322 MeV [25.112 MeV] (A_Ge:722)
76Ge32 + 9 D* --> 84Kr36 + 10B5 + 115.389 MeV [24.178 MeV] (A_Ge:723)
76Ge32 + 9 D* --> 85Rb37 + 9Be4 + 115.828 MeV [24.617 MeV] (A_Ge:724)
76Ge32 + 9 D* --> 87Sr38 + 7Li3 + 114.981 MeV [23.770 MeV] (A_Ge:725)
76Ge32 + 9 D* --> 88Sr38 + 6Li3 + 118.843 MeV [27.633 MeV] (A_Ge:726)
76Ge32 + 9 D* --> 92Zr40 + 2H1 + 120.327 MeV [29.116 MeV] (A_Ge:727)

76Ge32 + 10 D* --> 48Ca20 + 48Ti22 + 150.846 MeV [47.694 MeV] (A_Ge:728)
76Ge32 + 10 D* --> 48Ti22 + 48Ca20 + 150.846 MeV [47.694 MeV] (A_Ge:729)
76Ge32 + 10 D* --> 50Ti22 + 46Ca20 + 152.706 MeV [49.554 MeV] (A_Ge:730)
76Ge32 + 10 D* --> 70Zn30 + 26Mg12 + 143.923 MeV [40.771 MeV] (A_Ge:731)
76Ge32 + 10 D* --> 74Ge32 + 22Ne10 + 139.591 MeV [36.439 MeV] (A_Ge:732)
76Ge32 + 10 D* --> 76Ge32 + 20Ne10 + 138.399 MeV [35.247 MeV] (A_Ge:733)
76Ge32 + 10 D* --> 78Se34 + 18O8 + 135.952 MeV [32.799 MeV] (A_Ge:734)
76Ge32 + 10 D* --> 80Se34 + 16O8 + 140.641 MeV [37.489 MeV] (A_Ge:735)
76Ge32 + 10 D* --> 81Br35 + 15N7 + 136.018 MeV [32.865 MeV] (A_Ge:736)
76Ge32 + 10 D* --> 83Kr36 + 13C6 + 135.001 MeV [31.848 MeV] (A_Ge:737)

76Ge32 + 10 D* --> 84Kr36 + 12C6 + 140.575 MeV [37.423 MeV] (A_Ge:738)
76Ge32 + 10 D* --> 85Rb37 + 11B5 + 131.644 MeV [28.491 MeV] (A_Ge:739)
76Ge32 + 10 D* --> 87Sr38 + 9Be4 + 131.677 MeV [28.525 MeV] (A_Ge:740)
76Ge32 + 10 D* --> 89Y39 + 7Li3 + 130.938 MeV [27.785 MeV] (A_Ge:741)
76Ge32 + 10 D* --> 92Zr40 + 4He2 + 144.173 MeV [41.021 MeV] (A_Ge:742)
76Ge32 + 10 D* --> 96Mo42 + 146.935 MeV [43.782 MeV] (A_Ge:743)

76Ge32 + 11 D* --> 50V23 + 48Ca20 + 164.716 MeV [49.277 MeV] (A_Ge:744)
76Ge32 + 11 D* --> 81Br35 + 17O8 + 150.064 MeV [34.625 MeV] (A_Ge:745)
76Ge32 + 11 D* --> 83Kr36 + 15N7 + 151.160 MeV [35.721 MeV] (A_Ge:746)
76Ge32 + 11 D* --> 84Kr36 + 14N7 + 150.847 MeV [35.409 MeV] (A_Ge:747)
76Ge32 + 11 D* --> 85Rb37 + 13C6 + 150.322 MeV [34.883 MeV] (A_Ge:748)
76Ge32 + 11 D* --> 87Sr38 + 11B5 + 147.492 MeV [32.053 MeV] (A_Ge:749)
76Ge32 + 11 D* --> 88Sr38 + 10B5 + 147.151 MeV [31.712 MeV] (A_Ge:750)
76Ge32 + 11 D* --> 89Y39 + 9Be4 + 147.634 MeV [32.195 MeV] (A_Ge:751)
76Ge32 + 11 D* --> 91Zr40 + 7Li3 + 144.262 MeV [28.823 MeV] (A_Ge:752)
76Ge32 + 11 D* --> 92Zr40 + 6Li3 + 145.647 MeV [30.208 MeV] (A_Ge:753)
76Ge32 + 11 D* --> 96Mo42 + 2H1 + 146.935 MeV [31.496 MeV] (A_Ge:754)
76Ge32 + 11 D* --> 97Mo42 + 1H1 + 151.531 MeV [36.092 MeV] (A_Ge:755)

76Ge32 + 12 D* --> 50Ti22 + 50Ti22 + 187.269 MeV [59.202 MeV] (A_Ge:756)
76Ge32 + 12 D* --> 52Cr24 + 48Ca20 + 184.047 MeV [55.980 MeV] (A_Ge:757)
76Ge32 + 12 D* --> 54Cr24 + 46Ca20 + 184.483 MeV [56.417 MeV] (A_Ge:758)
76Ge32 + 12 D* --> 64Ni28 + 36S16 + 182.179 MeV [54.112 MeV] (A_Ge:759)
76Ge32 + 12 D* --> 70Zn30 + 30Si14 + 178.413 MeV [50.347 MeV] (A_Ge:760)
76Ge32 + 12 D* --> 74Ge32 + 26Mg12 + 174.053 MeV [45.986 MeV] (A_Ge:761)
76Ge32 + 12 D* --> 76Ge32 + 24Mg12 + 171.562 MeV [43.496 MeV] (A_Ge:762)
76Ge32 + 12 D* --> 78Se34 + 22Ne10 + 169.466 MeV [41.400 MeV] (A_Ge:763)
76Ge32 + 12 D* --> 80Se34 + 20Ne10 + 169.217 MeV [41.151 MeV] (A_Ge:764)
76Ge32 + 12 D* --> 81Br35 + 19F9 + 163.878 MeV [35.811 MeV] (A_Ge:765)
76Ge32 + 12 D* --> 82Kr36 + 18O8 + 165.787 MeV [37.720 MeV] (A_Ge:766)
76Ge32 + 12 D* --> 83Kr36 + 17O8 + 165.206 MeV [37.140 MeV] (A_Ge:767)
76Ge32 + 12 D* --> 84Kr36 + 16O8 + 171.584 MeV [43.517 MeV] (A_Ge:768)
76Ge32 + 12 D* --> 85Rb37 + 15N7 + 166.482 MeV [38.415 MeV] (A_Ge:769)
76Ge32 + 12 D* --> 87Sr38 + 13C6 + 166.171 MeV [38.105 MeV] (A_Ge:770)
76Ge32 + 12 D* --> 88Sr38 + 12C6 + 172.337 MeV [44.271 MeV] (A_Ge:771)
76Ge32 + 12 D* --> 89Y39 + 11B5 + 163.449 MeV [35.383 MeV] (A_Ge:772)
76Ge32 + 12 D* --> 91Zr40 + 9Be4 + 160.958 MeV [32.892 MeV] (A_Ge:773)
76Ge32 + 12 D* --> 93Nb41 + 7Li3 + 156.716 MeV [28.649 MeV] (A_Ge:774)
76Ge32 + 12 D* --> 96Mo42 + 4He2 + 170.781 MeV [42.715 MeV] (A_Ge:775)
76Ge32 + 12 D* --> 97Mo42 + 3He2 + 157.025 MeV [28.958 MeV] (A_Ge:776)
76Ge32 + 12 D* --> 100Ru44 + 173.635 MeV [45.568 MeV] (A_Ge:777)

---------- Equations follow for Arsenic, As, element 33 ----------

75As33 + D* --> 48Ca20 + 29Si14 + 6.212 MeV [-2.723 MeV] (A_As:1)
75As33 + D* --> 64Ni28 + 13C6 + 4.078 MeV [-4.858 MeV] (A_As:2)
75As33 + D* --> 73Ge32 + 4He2 + 8.976 MeV [00.040 MeV] (A_As:3)
75As33 + D* --> 77Se34 + 14.703 MeV [5.767 MeV] (A_As:4)

75As33 + 2 D* --> 48Ca20 + 31P15 + 21.894 MeV [3.637 MeV] (A_As:5)
75As33 + 2 D* --> 64Ni28 + 15N7 + 20.237 MeV [1.980 MeV] (A_As:6)
75As33 + 2 D* --> 68Zn30 + 11B5 + 14.578 MeV [-3.678 MeV] (A_As:7)
75As33 + 2 D* --> 72Ge32 + 7Li3 + 10.917 MeV [-7.340 MeV] (A_As:8)

75As33 + 2 D* --> 73Ge32 + 6Li3 + 10.450 MeV [-7.807 MeV] (A_As:9)
75As33 + 2 D* --> 75As33 + 4He2 + 23.847 MeV [5.590 MeV] (A_As:10)
75As33 + 2 D* --> 77Se34 + 2H1 + 14.703 MeV [-3.554 MeV] (A_As:11)
75As33 + 2 D* --> 78Se34 + 1H1 + 22.976 MeV [4.720 MeV] (A_As:12)
75As33 + 2 D* --> 79Br35 + 29.308 MeV [11.051 MeV] (A_As:13)

75As33 + 3 D* --> 48Ca20 + 33S16 + 37.175 MeV [9.219 MeV] (A_As:14)
75As33 + 3 D* --> 64Ni28 + 17O8 + 34.283 MeV [6.327 MeV] (A_As:15)
75As33 + 3 D* --> 68Zn30 + 13C6 + 33.257 MeV [5.301 MeV] (A_As:16)
75As33 + 3 D* --> 71Ga31 + 10B5 + 24.464 MeV [-3.492 MeV] (A_As:17)
75As33 + 3 D* --> 72Ge32 + 9Be4 + 27.613 MeV [-0.343 MeV] (A_As:18)
75As33 + 3 D* --> 75As33 + 6Li3 + 25.320 MeV [-2.636 MeV] (A_As:19)
75As33 + 3 D* --> 77Se34 + 4He2 + 38.549 MeV [10.593 MeV] (A_As:20)
75As33 + 3 D* --> 78Se34 + 3He2 + 28.470 MeV [00.513 MeV] (A_As:21)
75As33 + 3 D* --> 79Br35 + 2H1 + 29.308 MeV [1.351 MeV] (A_As:22)

75As33 + 4 D* --> 46Ca20 + 37Cl17 + 54.407 MeV [16.377 MeV] (A_As:23)
75As33 + 4 D* --> 48Ca20 + 35Cl17 + 52.738 MeV [14.709 MeV] (A_As:24)
75As33 + 4 D* --> 64Ni28 + 19F9 + 48.097 MeV [10.067 MeV] (A_As:25)
75As33 + 4 D* --> 65Cu29 + 18O8 + 47.556 MeV [9.526 MeV] (A_As:26)
75As33 + 4 D* --> 68Zn30 + 15N7 + 49.416 MeV [11.387 MeV] (A_As:27)
75As33 + 4 D* --> 71Ga31 + 12C6 + 49.651 MeV [11.621 MeV] (A_As:28)
75As33 + 4 D* --> 72Ge32 + 11B5 + 43.428 MeV [5.399 MeV] (A_As:29)
75As33 + 4 D* --> 73Ge32 + 10B5 + 38.757 MeV [00.728 MeV] (A_As:30)
75As33 + 4 D* --> 76Se34 + 7Li3 + 39.854 MeV [1.825 MeV] (A_As:31)
75As33 + 4 D* --> 77Se34 + 6Li3 + 40.023 MeV [1.994 MeV] (A_As:32)
75As33 + 4 D* --> 79Br35 + 4He2 + 53.154 MeV [15.124 MeV] (A_As:33)
75As33 + 4 D* --> 82Kr36 + 1H1 + 52.811 MeV [14.781 MeV] (A_As:34)

75As33 + 5 D* --> 49Ti22 + 36S16 + 71.869 MeV [23.398 MeV] (A_As:35)
75As33 + 5 D* --> 64Ni28 + 21Ne10 + 65.477 MeV [17.006 MeV] (A_As:36)
75As33 + 5 D* --> 67Zn30 + 18O8 + 61.308 MeV [12.837 MeV] (A_As:37)
75As33 + 5 D* --> 68Zn30 + 17O8 + 63.462 MeV [14.991 MeV] (A_As:38)
75As33 + 5 D* --> 71Ga31 + 14N7 + 59.923 MeV [11.452 MeV] (A_As:39)
75As33 + 5 D* --> 72Ge32 + 13C6 + 62.107 MeV [13.636 MeV] (A_As:40)
75As33 + 5 D* --> 73Ge32 + 12C6 + 63.944 MeV [15.472 MeV] (A_As:41)
75As33 + 5 D* --> 75As33 + 10B5 + 53.628 MeV [5.157 MeV] (A_As:42)
75As33 + 5 D* --> 76Se34 + 9Be4 + 56.551 MeV [8.079 MeV] (A_As:43)
75As33 + 5 D* --> 79Br35 + 6Li3 + 54.628 MeV [6.157 MeV] (A_As:44)
75As33 + 5 D* --> 82Kr36 + 3He2 + 58.304 MeV [9.833 MeV] (A_As:45)

75As33 + 6 D* --> 46Ca20 + 41K19 + 84.476 MeV [25.200 MeV] (A_As:46)
75As33 + 6 D* --> 48Ca20 + 39K19 + 83.803 MeV [24.527 MeV] (A_As:47)
75As33 + 6 D* --> 50Ti22 + 37Cl17 + 88.970 MeV [29.694 MeV] (A_As:48)
75As33 + 6 D* --> 51V23 + 36S16 + 88.647 MeV [29.371 MeV] (A_As:49)
75As33 + 6 D* --> 64Ni28 + 23Na11 + 82.411 MeV [23.135 MeV] (A_As:50)
75As33 + 6 D* --> 65Cu29 + 22Ne10 + 81.070 MeV [21.794 MeV] (A_As:51)
75As33 + 6 D* --> 68Zn30 + 19F9 + 77.277 MeV [18.000 MeV] (A_As:52)
75As33 + 6 D* --> 69Ga31 + 18O8 + 75.891 MeV [16.615 MeV] (A_As:53)
75As33 + 6 D* --> 71Ga31 + 16O8 + 80.659 MeV [21.383 MeV] (A_As:54)
75As33 + 6 D* --> 72Ge32 + 15N7 + 78.266 MeV [18.990 MeV] (A_As:55)
75As33 + 6 D* --> 73Ge32 + 14N7 + 74.216 MeV [14.940 MeV] (A_As:56)
75As33 + 6 D* --> 75As33 + 12C6 + 78.814 MeV [19.538 MeV] (A_As:57)
75As33 + 6 D* --> 76Se34 + 11B5 + 72.366 MeV [13.090 MeV] (A_As:58)

75As33 + 6 D* --> 77Se34 + 10B5 + 68.331 MeV [9.055 MeV] (A_As:59)
75As33 + 6 D* --> 80Kr36 + 7Li3 + 68.766 MeV [9.490 MeV] (A_As:60)
75As33 + 6 D* --> 86Sr38 + 1H1 + 83.017 MeV [23.740 MeV] (A_As:61)

75As33 + 7 D* --> 46Ca20 + 43Ca20 + 100.461 MeV [30.022 MeV] (A_As:62)
75As33 + 7 D* --> 49Ti22 + 40Ar18 + 102.516 MeV [32.076 MeV] (A_As:63)
75As33 + 7 D* --> 53Cr24 + 36S16 + 104.866 MeV [34.427 MeV] (A_As:64)
75As33 + 7 D* --> 64Ni28 + 25Mg12 + 99.210 MeV [28.770 MeV] (A_As:65)
75As33 + 7 D* --> 67Zn30 + 22Ne10 + 94.823 MeV [24.383 MeV] (A_As:66)
75As33 + 7 D* --> 68Zn30 + 21Ne10 + 94.657 MeV [24.217 MeV] (A_As:67)
75As33 + 7 D* --> 72Ge32 + 17O8 + 92.312 MeV [21.873 MeV] (A_As:68)
75As33 + 7 D* --> 73Ge32 + 16O8 + 94.952 MeV [24.512 MeV] (A_As:69)
75As33 + 7 D* --> 75As33 + 14N7 + 89.087 MeV [18.647 MeV] (A_As:70)
75As33 + 7 D* --> 76Se34 + 13C6 + 91.045 MeV [20.605 MeV] (A_As:71)
75As33 + 7 D* --> 77Se34 + 12C6 + 93.517 MeV [23.077 MeV] (A_As:72)
75As33 + 7 D* --> 79Br35 + 10B5 + 82.935 MeV [12.496 MeV] (A_As:73)
75As33 + 7 D* --> 80Kr36 + 9Be4 + 85.462 MeV [15.023 MeV] (A_As:74)
75As33 + 7 D* --> 86Sr38 + 3He2 + 88.510 MeV [18.070 MeV] (A_As:75)

75As33 + 8 D* --> 46Ca20 + 45Sc21 + 116.256 MeV [34.299 MeV] (A_As:76)
75As33 + 8 D* --> 50Ti22 + 41K19 + 119.039 MeV [37.082 MeV] (A_As:77)
75As33 + 8 D* --> 51V23 + 40Ar18 + 119.295 MeV [37.337 MeV] (A_As:78)
75As33 + 8 D* --> 54Cr24 + 37Cl17 + 120.747 MeV [38.790 MeV] (A_As:79)
75As33 + 8 D* --> 55Mn25 + 36S16 + 120.428 MeV [38.471 MeV] (A_As:80)
75As33 + 8 D* --> 64Ni28 + 27Al13 + 116.349 MeV [34.392 MeV] (A_As:81)
75As33 + 8 D* --> 65Cu29 + 26Mg12 + 115.532 MeV [33.574 MeV] (A_As:82)
75As33 + 8 D* --> 68Zn30 + 23Na11 + 111.590 MeV [29.633 MeV] (A_As:83)
75As33 + 8 D* --> 69Ga31 + 22Ne10 + 109.406 MeV [27.448 MeV] (A_As:84)
75As33 + 8 D* --> 71Ga31 + 20Ne10 + 109.236 MeV [27.278 MeV] (A_As:85)
75As33 + 8 D* --> 72Ge32 + 19F9 + 106.127 MeV [24.169 MeV] (A_As:86)
75As33 + 8 D* --> 75As33 + 16O8 + 109.823 MeV [27.865 MeV] (A_As:87)
75As33 + 8 D* --> 76Se34 + 15N7 + 107.204 MeV [25.246 MeV] (A_As:88)
75As33 + 8 D* --> 77Se34 + 14N7 + 103.790 MeV [21.832 MeV] (A_As:89)
75As33 + 8 D* --> 79Br35 + 12C6 + 108.122 MeV [26.164 MeV] (A_As:90)
75As33 + 8 D* --> 80Kr36 + 11B5 + 101.278 MeV [19.320 MeV] (A_As:91)
75As33 + 8 D* --> 84Sr38 + 7Li3 + 97.789 MeV [15.832 MeV] (A_As:92)
75As33 + 8 D* --> 90Zr40 + 1H1 + 113.532 MeV [31.574 MeV] (A_As:93)

75As33 + 9 D* --> 47Ti22 + 46Ca20 + 133.257 MeV [39.432 MeV] (A_As:94)
75As33 + 9 D* --> 49Ti22 + 44Ca20 + 135.216 MeV [41.392 MeV] (A_As:95)
75As33 + 9 D* --> 50Ti22 + 43Ca20 + 135.024 MeV [41.200 MeV] (A_As:96)
75As33 + 9 D* --> 53Cr24 + 40Ar18 + 135.514 MeV [41.689 MeV] (A_As:97)
75As33 + 9 D* --> 57Fe26 + 36S16 + 136.033 MeV [42.208 MeV] (A_As:98)
75As33 + 9 D* --> 64Ni28 + 29Si14 + 134.183 MeV [40.359 MeV] (A_As:99)
75As33 + 9 D* --> 67Zn30 + 26Mg12 + 129.284 MeV [35.459 MeV] (A_As:100)
75As33 + 9 D* --> 68Zn30 + 25Mg12 + 128.389 MeV [34.564 MeV] (A_As:101)
75As33 + 9 D* --> 72Ge32 + 21Ne10 + 123.507 MeV [29.682 MeV] (A_As:102)
75As33 + 9 D* --> 73Ge32 + 20Ne10 + 123.529 MeV [29.704 MeV] (A_As:103)
75As33 + 9 D* --> 76Se34 + 17O8 + 121.250 MeV [27.425 MeV] (A_As:104)
75As33 + 9 D* --> 77Se34 + 16O8 + 124.526 MeV [30.701 MeV] (A_As:105)
75As33 + 9 D* --> 79Br35 + 14N7 + 118.394 MeV [24.569 MeV] (A_As:106)
75As33 + 9 D* --> 80Kr36 + 13C6 + 119.957 MeV [26.132 MeV] (A_As:107)
75As33 + 9 D* --> 84Sr38 + 9Be4 + 114.485 MeV [20.660 MeV] (A_As:108)
75As33 + 9 D* --> 90Zr40 + 3He2 + 119.025 MeV [25.200 MeV] (A_As:109)

75As33 + 10 D* --> 50Ti22 + 45Sc21 + 150.819 MeV [44.782 MeV] (A_As:110)
75As33 + 10 D* --> 51V23 + 44Ca20 + 151.995 MeV [45.957 MeV] (A_As:111)
75As33 + 10 D* --> 54Cr24 + 41K19 + 150.816 MeV [44.779 MeV] (A_As:112)
75As33 + 10 D* --> 55Mn25 + 40Ar18 + 151.075 MeV [45.038 MeV] (A_As:113)
75As33 + 10 D* --> 58Fe26 + 37Cl17 + 152.240 MeV [46.202 MeV] (A_As:114)
75As33 + 10 D* --> 59Co27 + 36S16 + 151.217 MeV [45.180 MeV] (A_As:115)
75As33 + 10 D* --> 64Ni28 + 31P15 + 149.865 MeV [43.827 MeV] (A_As:116)
75As33 + 10 D* --> 65Cu29 + 30Si14 + 150.021 MeV [43.984 MeV] (A_As:117)
75As33 + 10 D* --> 68Zn30 + 27Al13 + 145.529 MeV [39.491 MeV] (A_As:118)
75As33 + 10 D* --> 69Ga31 + 26Mg12 + 143.867 MeV [37.829 MeV] (A_As:119)
75As33 + 10 D* --> 71Ga31 + 24Mg12 + 142.399 MeV [36.361 MeV] (A_As:120)
75As33 + 10 D* --> 72Ge32 + 23Na11 + 140.441 MeV [34.403 MeV] (A_As:121)
75As33 + 10 D* --> 75As33 + 20Ne10 + 138.399 MeV [32.361 MeV] (A_As:122)
75As33 + 10 D* --> 76Se34 + 19F9 + 135.064 MeV [29.026 MeV] (A_As:123)
75As33 + 10 D* --> 79Br35 + 16O8 + 139.130 MeV [33.093 MeV] (A_As:124)
75As33 + 10 D* --> 80Kr36 + 15N7 + 136.116 MeV [30.078 MeV] (A_As:125)
75As33 + 10 D* --> 84Sr38 + 11B5 + 130.301 MeV [24.263 MeV] (A_As:126)
75As33 + 10 D* --> 94Mo42 + 1H1 + 139.446 MeV [33.408 MeV] (A_As:127)

75As33 + 11 D* --> 49Ti22 + 48Ti22 + 168.507 MeV [49.915 MeV] (A_As:128)
75As33 + 11 D* --> 50Ti22 + 47Ti22 + 167.820 MeV [49.227 MeV] (A_As:129)
75As33 + 11 D* --> 53Cr24 + 44Ca20 + 168.214 MeV [49.621 MeV] (A_As:130)
75As33 + 11 D* --> 54Cr24 + 43Ca20 + 166.802 MeV [48.209 MeV] (A_As:131)
75As33 + 11 D* --> 57Fe26 + 40Ar18 + 166.681 MeV [48.088 MeV] (A_As:132)
75As33 + 11 D* --> 61Ni28 + 36S16 + 166.345 MeV [47.753 MeV] (A_As:133)
75As33 + 11 D* --> 64Ni28 + 33S16 + 165.146 MeV [46.554 MeV] (A_As:134)
75As33 + 11 D* --> 67Zn30 + 30Si14 + 163.774 MeV [45.182 MeV] (A_As:135)
75As33 + 11 D* --> 68Zn30 + 29Si14 + 163.363 MeV [44.771 MeV] (A_As:136)
75As33 + 11 D* --> 72Ge32 + 25Mg12 + 157.239 MeV [38.647 MeV] (A_As:137)
75As33 + 11 D* --> 73Ge32 + 24Mg12 + 156.692 MeV [38.099 MeV] (A_As:138)
75As33 + 11 D* --> 76Se34 + 21Ne10 + 152.444 MeV [33.852 MeV] (A_As:139)
75As33 + 11 D* --> 77Se34 + 20Ne10 + 153.102 MeV [34.510 MeV] (A_As:140)
75As33 + 11 D* --> 80Kr36 + 17O8 + 150.162 MeV [31.570 MeV] (A_As:141)
75As33 + 11 D* --> 84Sr38 + 13C6 + 148.979 MeV [30.387 MeV] (A_As:142)
75As33 + 11 D* --> 94Mo42 + 3He2 + 144.939 MeV [26.347 MeV] (A_As:143)

75As33 + 12 D* --> 50V23 + 49Ti22 + 182.377 MeV [50.892 MeV] (A_As:144)
75As33 + 12 D* --> 51V23 + 48Ti22 + 185.285 MeV [53.801 MeV] (A_As:145)
75As33 + 12 D* --> 54Cr24 + 45Sc21 + 182.597 MeV [51.112 MeV] (A_As:146)
75As33 + 12 D* --> 55Mn25 + 44Ca20 + 183.775 MeV [52.291 MeV] (A_As:147)
75As33 + 12 D* --> 58Fe26 + 41K19 + 182.309 MeV [50.824 MeV] (A_As:148)
75As33 + 12 D* --> 59Co27 + 40Ar18 + 181.865 MeV [50.380 MeV] (A_As:149)
75As33 + 12 D* --> 62Ni28 + 37Cl17 + 183.104 MeV [51.619 MeV] (A_As:150)
75As33 + 12 D* --> 64Ni28 + 35Cl17 + 180.709 MeV [49.225 MeV] (A_As:151)
75As33 + 12 D* --> 63Cu29 + 36S16 + 180.840 MeV [49.355 MeV] (A_As:152)
75As33 + 12 D* --> 65Cu29 + 34S16 + 181.792 MeV [50.307 MeV] (A_As:153)
75As33 + 12 D* --> 68Zn30 + 31P15 + 179.044 MeV [47.560 MeV] (A_As:154)
75As33 + 12 D* --> 69Ga31 + 30Si14 + 178.357 MeV [46.872 MeV] (A_As:155)
75As33 + 12 D* --> 71Ga31 + 28Si14 + 176.229 MeV [44.745 MeV] (A_As:156)
75As33 + 12 D* --> 72Ge32 + 27Al13 + 174.379 MeV [42.894 MeV] (A_As:157)
75As33 + 12 D* --> 75As33 + 24Mg12 + 171.562 MeV [40.078 MeV] (A_As:158)
75As33 + 12 D* --> 76Se34 + 23Na11 + 169.378 MeV [37.894 MeV] (A_As:159)
75As33 + 12 D* --> 79Br35 + 20Ne10 + 167.707 MeV [36.222 MeV] (A_As:160)

75As33 + 12 D* --> 80Kr36 + 19F9 + 163.976 MeV [32.492 MeV] (A_As:161)
75As33 + 12 D* --> 84Sr38 + 15N7 + 165.139 MeV [33.654 MeV] (A_As:162)
75As33 + 12 D* --> 92Mo42 + 7Li3 + 156.493 MeV [25.009 MeV] (A_As:163)
75As33 + 12 D* --> 98Ru44 + 1H1 + 165.532 MeV [34.047 MeV] (A_As:164)

---------- Equations follow for Selenium, Se, element 34 ----------

74Se34 + D* --> 40K19 + 36S16 + 5.122 MeV [-4.125 MeV] (A_Se:1)
74Se34 + D* --> 49Ti22 + 27Al13 + 6.678 MeV [-2.568 MeV] (A_Se:2)
74Se34 + D* --> 50V23 + 26Mg12 + 6.359 MeV [-2.888 MeV] (A_Se:3)
74Se34 + D* --> 51V23 + 25Mg12 + 6.317 MeV [-2.930 MeV] (A_Se:4)
74Se34 + D* --> 53Cr24 + 23Na11 + 5.738 MeV [-3.509 MeV] (A_Se:5)
74Se34 + D* --> 55Mn25 + 21Ne10 + 4.365 MeV [-4.882 MeV] (A_Se:6)
74Se34 + D* --> 57Fe26 + 19F9 + 2.591 MeV [-6.656 MeV] (A_Se:7)
74Se34 + D* --> 59Co27 + 17O8 + 3.960 MeV [-5.287 MeV] (A_Se:8)
74Se34 + D* --> 61Ni28 + 15N7 + 5.042 MeV [-4.204 MeV] (A_Se:9)
74Se34 + D* --> 62Ni28 + 14N7 + 4.806 MeV [-4.441 MeV] (A_Se:10)
74Se34 + D* --> 63Cu29 + 13C6 + 3.378 MeV [-5.869 MeV] (A_Se:11)

74Se34 + 2 D* --> 40Ar18 + 38Ar18 + 23.813 MeV [4.940 MeV] (A_Se:12)
74Se34 + 2 D* --> 41K19 + 37Cl17 + 21.379 MeV [2.506 MeV] (A_Se:13)
74Se34 + 2 D* --> 42Ca20 + 36S16 + 23.270 MeV [4.396 MeV] (A_Se:14)
74Se34 + 2 D* --> 44Ca20 + 34S16 + 25.459 MeV [6.585 MeV] (A_Se:15)
74Se34 + 2 D* --> 46Ca20 + 32S16 + 23.209 MeV [4.336 MeV] (A_Se:16)
74Se34 + 2 D* --> 48Ti22 + 30Si14 + 26.979 MeV [8.106 MeV] (A_Se:17)
74Se34 + 2 D* --> 49Ti22 + 29Si14 + 24.513 MeV [5.639 MeV] (A_Se:18)
74Se34 + 2 D* --> 50Ti22 + 28Si14 + 26.978 MeV [8.105 MeV] (A_Se:19)
74Se34 + 2 D* --> 51V23 + 27Al13 + 23.457 MeV [4.583 MeV] (A_Se:20)
74Se34 + 2 D* --> 52Cr24 + 26Mg12 + 25.690 MeV [6.817 MeV] (A_Se:21)
74Se34 + 2 D* --> 53Cr24 + 25Mg12 + 22.536 MeV [3.663 MeV] (A_Se:22)
74Se34 + 2 D* --> 54Cr24 + 24Mg12 + 24.925 MeV [6.051 MeV] (A_Se:23)
74Se34 + 2 D* --> 55Mn25 + 23Na11 + 21.299 MeV [2.426 MeV] (A_Se:24)
74Se34 + 2 D* --> 56Fe26 + 22Ne10 + 22.689 MeV [3.815 MeV] (A_Se:25)
74Se34 + 2 D* --> 57Fe26 + 21Ne10 + 19.971 MeV [1.097 MeV] (A_Se:26)
74Se34 + 2 D* --> 58Fe26 + 20Ne10 + 23.254 MeV [4.381 MeV] (A_Se:27)
74Se34 + 2 D* --> 59Co27 + 19F9 + 17.775 MeV [-1.099 MeV] (A_Se:28)
74Se34 + 2 D* --> 60Ni28 + 18O8 + 19.312 MeV [00.439 MeV] (A_Se:29)
74Se34 + 2 D* --> 61Ni28 + 17O8 + 19.088 MeV [00.215 MeV] (A_Se:30)
74Se34 + 2 D* --> 62Ni28 + 16O8 + 25.542 MeV [6.668 MeV] (A_Se:31)
74Se34 + 2 D* --> 63Cu29 + 15N7 + 19.537 MeV [00.663 MeV] (A_Se:32)
74Se34 + 2 D* --> 66Zn30 + 12C6 + 22.958 MeV [4.085 MeV] (A_Se:33)
74Se34 + 2 D* --> 74Se34 + 4He2 + 23.847 MeV [4.973 MeV] (A_Se:34)
74Se34 + 2 D* --> 78Kr36 + 28.238 MeV [9.365 MeV] (A_Se:35)

74Se34 + 3 D* --> 40Ar18 + 40K19 + 35.770 MeV [6.895 MeV] (A_Se:36)
74Se34 + 3 D* --> 40K19 + 40Ar18 + 35.770 MeV [6.895 MeV] (A_Se:37)
74Se34 + 3 D* --> 43Ca20 + 37Cl17 + 37.365 MeV [8.490 MeV] (A_Se:38)
74Se34 + 3 D* --> 49Ti22 + 31P15 + 40.194 MeV [11.320 MeV] (A_Se:39)
74Se34 + 3 D* --> 50V23 + 30Si14 + 40.849 MeV [11.975 MeV] (A_Se:40)
74Se34 + 3 D* --> 51V23 + 29Si14 + 41.291 MeV [12.416 MeV] (A_Se:41)
74Se34 + 3 D* --> 53Cr24 + 27Al13 + 39.676 MeV [10.801 MeV] (A_Se:42)
74Se34 + 3 D* --> 55Mn25 + 25Mg12 + 38.098 MeV [9.223 MeV] (A_Se:43)
74Se34 + 3 D* --> 57Fe26 + 23Na11 + 36.904 MeV [8.030 MeV] (A_Se:44)
74Se34 + 3 D* --> 59Co27 + 21Ne10 + 35.155 MeV [6.280 MeV] (A_Se:45)

74Se34 + 3 D* --> 61Ni28 + 19F9 + 32.903 MeV [4.028 MeV] (A_Se:46)
74Se34 + 3 D* --> 63Cu29 + 17O8 + 33.583 MeV [4.708 MeV] (A_Se:47)
74Se34 + 3 D* --> 66Zn30 + 14N7 + 33.230 MeV [4.356 MeV] (A_Se:48)
74Se34 + 3 D* --> 70Ge32 + 10B5 + 25.707 MeV [-3.168 MeV] (A_Se:49)
74Se34 + 3 D* --> 74Se34 + 6Li3 + 25.320 MeV [-3.554 MeV] (A_Se:50)
74Se34 + 3 D* --> 78Kr36 + 2H1 + 28.238 MeV [-0.636 MeV] (A_Se:51)

74Se34 + 4 D* --> 41K19 + 41K19 + 51.448 MeV [12.204 MeV] (A_Se:52)
74Se34 + 4 D* --> 42Ca20 + 40Ar18 + 53.917 MeV [14.673 MeV] (A_Se:53)
74Se34 + 4 D* --> 44Ca20 + 38Ar18 + 56.513 MeV [17.269 MeV] (A_Se:54)
74Se34 + 4 D* --> 46Ca20 + 36Ar18 + 53.697 MeV [14.453 MeV] (A_Se:55)
74Se34 + 4 D* --> 45Sc21 + 37Cl17 + 53.159 MeV [13.915 MeV] (A_Se:56)
74Se34 + 4 D* --> 46Ti22 + 36S16 + 55.118 MeV [15.873 MeV] (A_Se:57)
74Se34 + 4 D* --> 48Ti22 + 34S16 + 58.750 MeV [19.505 MeV] (A_Se:58)
74Se34 + 4 D* --> 49Ti22 + 33S16 + 55.475 MeV [16.231 MeV] (A_Se:59)
74Se34 + 4 D* --> 50Ti22 + 32S16 + 57.773 MeV [18.528 MeV] (A_Se:60)
74Se34 + 4 D* --> 51V23 + 31P15 + 56.972 MeV [17.728 MeV] (A_Se:61)
74Se34 + 4 D* --> 52Cr24 + 30Si14 + 60.180 MeV [20.936 MeV] (A_Se:62)
74Se34 + 4 D* --> 53Cr24 + 29Si14 + 57.510 MeV [18.266 MeV] (A_Se:63)
74Se34 + 4 D* --> 54Cr24 + 28Si14 + 58.755 MeV [19.511 MeV] (A_Se:64)
74Se34 + 4 D* --> 55Mn25 + 27Al13 + 55.237 MeV [15.993 MeV] (A_Se:65)
74Se34 + 4 D* --> 56Fe26 + 26Mg12 + 57.150 MeV [17.906 MeV] (A_Se:66)
74Se34 + 4 D* --> 57Fe26 + 25Mg12 + 53.703 MeV [14.459 MeV] (A_Se:67)
74Se34 + 4 D* --> 58Fe26 + 24Mg12 + 56.417 MeV [17.173 MeV] (A_Se:68)
74Se34 + 4 D* --> 59Co27 + 23Na11 + 52.088 MeV [12.844 MeV] (A_Se:69)
74Se34 + 4 D* --> 60Ni28 + 22Ne10 + 52.827 MeV [13.583 MeV] (A_Se:70)
74Se34 + 4 D* --> 61Ni28 + 21Ne10 + 50.283 MeV [11.039 MeV] (A_Se:71)
74Se34 + 4 D* --> 62Ni28 + 20Ne10 + 54.118 MeV [14.874 MeV] (A_Se:72)
74Se34 + 4 D* --> 63Cu29 + 19F9 + 47.397 MeV [8.153 MeV] (A_Se:73)
74Se34 + 4 D* --> 64Zn30 + 18O8 + 47.115 MeV [7.871 MeV] (A_Se:74)
74Se34 + 4 D* --> 66Zn30 + 16O8 + 53.967 MeV [14.722 MeV] (A_Se:75)
74Se34 + 4 D* --> 70Ge32 + 12C6 + 50.893 MeV [11.649 MeV] (A_Se:76)
74Se34 + 4 D* --> 78Kr36 + 4He2 + 52.085 MeV [12.841 MeV] (A_Se:77)

74Se34 + 5 D* --> 43Ca20 + 41K19 + 67.434 MeV [17.455 MeV] (A_Se:78)
74Se34 + 5 D* --> 44Ca20 + 40K19 + 68.470 MeV [18.491 MeV] (A_Se:79)
74Se34 + 5 D* --> 47Ti22 + 37Cl17 + 70.160 MeV [20.182 MeV] (A_Se:80)
74Se34 + 5 D* --> 49Ti22 + 35Cl17 + 71.038 MeV [21.060 MeV] (A_Se:81)
74Se34 + 5 D* --> 50V23 + 34S16 + 72.619 MeV [22.641 MeV] (A_Se:82)
74Se34 + 5 D* --> 51V23 + 33S16 + 72.253 MeV [22.275 MeV] (A_Se:83)
74Se34 + 5 D* --> 53Cr24 + 31P15 + 73.192 MeV [23.213 MeV] (A_Se:84)
74Se34 + 5 D* --> 55Mn25 + 29Si14 + 73.072 MeV [23.093 MeV] (A_Se:85)
74Se34 + 5 D* --> 57Fe26 + 27Al13 + 70.843 MeV [20.865 MeV] (A_Se:86)
74Se34 + 5 D* --> 59Co27 + 25Mg12 + 68.887 MeV [18.909 MeV] (A_Se:87)
74Se34 + 5 D* --> 61Ni28 + 23Na11 + 67.217 MeV [17.239 MeV] (A_Se:88)
74Se34 + 5 D* --> 63Cu29 + 21Ne10 + 64.777 MeV [14.799 MeV] (A_Se:89)
74Se34 + 5 D* --> 70Ge32 + 14N7 + 61.166 MeV [11.187 MeV] (A_Se:90)
74Se34 + 5 D* --> 74Se34 + 10B5 + 53.628 MeV [3.650 MeV] (A_Se:91)
74Se34 + 5 D* --> 78Kr36 + 6Li3 + 53.559 MeV [3.581 MeV] (A_Se:92)

74Se34 + 6 D* --> 43Ca20 + 43Ca20 + 83.419 MeV [22.348 MeV] (A_Se:93)
74Se34 + 6 D* --> 44Ca20 + 42Ca20 + 86.617 MeV [25.546 MeV] (A_Se:94)
74Se34 + 6 D* --> 46Ca20 + 40Ca20 + 84.583 MeV [23.512 MeV] (A_Se:95)
74Se34 + 6 D* --> 45Sc21 + 41K19 + 83.228 MeV [22.157 MeV] (A_Se:96)

74Se34 + 6 D* --> 46Ti22 + 40Ar18 + 85.765 MeV [24.694 MeV] (A_Se:97)
74Se34 + 6 D* --> 48Ti22 + 38Ar18 + 89.804 MeV [28.733 MeV] (A_Se:98)
74Se34 + 6 D* --> 50Ti22 + 36Ar18 + 88.260 MeV [27.189 MeV] (A_Se:99)
74Se34 + 6 D* --> 51V23 + 35Cl17 + 87.817 MeV [26.745 MeV] (A_Se:100)
74Se34 + 6 D* --> 50Cr24 + 36S16 + 87.525 MeV [26.454 MeV] (A_Se:101)
74Se34 + 6 D* --> 52Cr24 + 34S16 + 91.950 MeV [30.879 MeV] (A_Se:102)
74Se34 + 6 D* --> 53Cr24 + 33S16 + 88.472 MeV [27.401 MeV] (A_Se:103)
74Se34 + 6 D* --> 54Cr24 + 32S16 + 89.550 MeV [28.479 MeV] (A_Se:104)
74Se34 + 6 D* --> 55Mn25 + 31P15 + 88.753 MeV [27.682 MeV] (A_Se:105)
74Se34 + 6 D* --> 56Fe26 + 30Si14 + 91.640 MeV [30.569 MeV] (A_Se:106)
74Se34 + 6 D* --> 57Fe26 + 29Si14 + 88.677 MeV [27.606 MeV] (A_Se:107)
74Se34 + 6 D* --> 58Fe26 + 28Si14 + 90.248 MeV [29.177 MeV] (A_Se:108)
74Se34 + 6 D* --> 59Co27 + 27Al13 + 86.027 MeV [24.956 MeV] (A_Se:109)
74Se34 + 6 D* --> 60Ni28 + 26Mg12 + 87.288 MeV [26.217 MeV] (A_Se:110)
74Se34 + 6 D* --> 61Ni28 + 25Mg12 + 84.015 MeV [22.944 MeV] (A_Se:111)
74Se34 + 6 D* --> 62Ni28 + 24Mg12 + 87.281 MeV [26.210 MeV] (A_Se:112)
74Se34 + 6 D* --> 63Cu29 + 23Na11 + 81.711 MeV [20.640 MeV] (A_Se:113)
74Se34 + 6 D* --> 64Zn30 + 22Ne10 + 80.630 MeV [19.559 MeV] (A_Se:114)
74Se34 + 6 D* --> 66Zn30 + 20Ne10 + 82.543 MeV [21.472 MeV] (A_Se:115)
74Se34 + 6 D* --> 70Ge32 + 16O8 + 81.902 MeV [20.831 MeV] (A_Se:116)
74Se34 + 6 D* --> 74Se34 + 12C6 + 78.814 MeV [17.743 MeV] (A_Se:117)

74Se34 + 7 D* --> 45Sc21 + 43Ca20 + 99.214 MeV [26.695 MeV] (A_Se:118)
74Se34 + 7 D* --> 47Ti22 + 41K19 + 100.229 MeV [27.710 MeV] (A_Se:119)
74Se34 + 7 D* --> 48Ti22 + 40K19 + 101.760 MeV [29.242 MeV] (A_Se:120)
74Se34 + 7 D* --> 49Ti22 + 39K19 + 102.103 MeV [29.584 MeV] (A_Se:121)
74Se34 + 7 D* --> 50V23 + 38Ar18 + 103.673 MeV [31.155 MeV] (A_Se:122)
74Se34 + 7 D* --> 53Cr24 + 35Cl17 + 104.036 MeV [31.517 MeV] (A_Se:123)
74Se34 + 7 D* --> 55Mn25 + 33S16 + 104.034 MeV [31.515 MeV] (A_Se:124)
74Se34 + 7 D* --> 57Fe26 + 31P15 + 104.358 MeV [31.840 MeV] (A_Se:125)
74Se34 + 7 D* --> 59Co27 + 29Si14 + 103.861 MeV [31.342 MeV] (A_Se:126)
74Se34 + 7 D* --> 61Ni28 + 27Al13 + 101.155 MeV [28.636 MeV] (A_Se:127)
74Se34 + 7 D* --> 63Cu29 + 25Mg12 + 98.510 MeV [25.991 MeV] (A_Se:128)
74Se34 + 7 D* --> 74Se34 + 14N7 + 89.087 MeV [16.568 MeV] (A_Se:129)
74Se34 + 7 D* --> 78Kr36 + 10B5 + 81.866 MeV [9.348 MeV] (A_Se:130)

74Se34 + 8 D* --> 45Sc21 + 45Sc21 + 115.009 MeV [30.692 MeV] (A_Se:131)
74Se34 + 8 D* --> 46Ti22 + 44Ca20 + 118.465 MeV [34.149 MeV] (A_Se:132)
74Se34 + 8 D* --> 47Ti22 + 43Ca20 + 116.214 MeV [31.898 MeV] (A_Se:133)
74Se34 + 8 D* --> 48Ti22 + 42Ca20 + 119.908 MeV [35.591 MeV] (A_Se:134)
74Se34 + 8 D* --> 50Ti22 + 40Ca20 + 119.146 MeV [34.830 MeV] (A_Se:135)
74Se34 + 8 D* --> 50V23 + 40K19 + 115.630 MeV [31.313 MeV] (A_Se:136)
74Se34 + 8 D* --> 51V23 + 39K19 + 118.881 MeV [34.565 MeV] (A_Se:137)
74Se34 + 8 D* --> 50Cr24 + 40Ar18 + 118.172 MeV [33.856 MeV] (A_Se:138)
74Se34 + 8 D* --> 52Cr24 + 38Ar18 + 123.005 MeV [38.688 MeV] (A_Se:139)
74Se34 + 8 D* --> 54Cr24 + 36Ar18 + 120.037 MeV [35.721 MeV] (A_Se:140)
74Se34 + 8 D* --> 55Mn25 + 35Cl17 + 119.597 MeV [35.281 MeV] (A_Se:141)
74Se34 + 8 D* --> 54Fe26 + 36S16 + 119.790 MeV [35.473 MeV] (A_Se:142)
74Se34 + 8 D* --> 56Fe26 + 34S16 + 123.410 MeV [39.094 MeV] (A_Se:143)
74Se34 + 8 D* --> 57Fe26 + 33S16 + 119.639 MeV [35.323 MeV] (A_Se:144)
74Se34 + 8 D* --> 58Fe26 + 32S16 + 121.042 MeV [36.726 MeV] (A_Se:145)
74Se34 + 8 D* --> 59Co27 + 31P15 + 119.542 MeV [35.226 MeV] (A_Se:146)
74Se34 + 8 D* --> 60Ni28 + 30Si14 + 121.778 MeV [37.462 MeV] (A_Se:147)
74Se34 + 8 D* --> 61Ni28 + 29Si14 + 118.989 MeV [34.673 MeV] (A_Se:148)

74Se34 + 8 D* --> 62Ni28 + 28Si14 + 121.112 MeV [36.796 MeV] (A_Se:149)
74Se34 + 8 D* --> 63Cu29 + 27Al13 + 115.649 MeV [31.333 MeV] (A_Se:150)
74Se34 + 8 D* --> 64Zn30 + 26Mg12 + 115.091 MeV [30.775 MeV] (A_Se:151)
74Se34 + 8 D* --> 66Zn30 + 24Mg12 + 115.706 MeV [31.390 MeV] (A_Se:152)
74Se34 + 8 D* --> 70Ge32 + 20Ne10 + 110.478 MeV [26.162 MeV] (A_Se:153)
74Se34 + 8 D* --> 74Se34 + 16O8 + 109.823 MeV [25.506 MeV] (A_Se:154)
74Se34 + 8 D* --> 78Kr36 + 12C6 + 107.053 MeV [22.736 MeV] (A_Se:155)

74Se34 + 9 D* --> 47Ti22 + 45Sc21 + 132.009 MeV [35.549 MeV] (A_Se:156)
74Se34 + 9 D* --> 50V23 + 42Ca20 + 133.777 MeV [37.317 MeV] (A_Se:157)
74Se34 + 9 D* --> 52Cr24 + 40K19 + 134.961 MeV [38.501 MeV] (A_Se:158)
74Se34 + 9 D* --> 53Cr24 + 39K19 + 135.101 MeV [38.640 MeV] (A_Se:159)
74Se34 + 9 D* --> 57Fe26 + 35Cl17 + 135.202 MeV [38.742 MeV] (A_Se:160)
74Se34 + 9 D* --> 59Co27 + 33S16 + 134.823 MeV [38.363 MeV] (A_Se:161)
74Se34 + 9 D* --> 61Ni28 + 31P15 + 134.671 MeV [38.210 MeV] (A_Se:162)
74Se34 + 9 D* --> 63Cu29 + 29Si14 + 133.483 MeV [37.023 MeV] (A_Se:163)
74Se34 + 9 D* --> 78Kr36 + 14N7 + 117.325 MeV [20.865 MeV] (A_Se:164)

74Se34 + 10 D* --> 47Ti22 + 47Ti22 + 149.009 MeV [40.063 MeV] (A_Se:165)
74Se34 + 10 D* --> 48Ti22 + 46Ti22 + 151.756 MeV [42.810 MeV] (A_Se:166)
74Se34 + 10 D* --> 50Cr24 + 44Ca20 + 150.872 MeV [41.926 MeV] (A_Se:167)
74Se34 + 10 D* --> 52Cr24 + 42Ca20 + 153.108 MeV [44.162 MeV] (A_Se:168)
74Se34 + 10 D* --> 54Cr24 + 40Ca20 + 150.923 MeV [41.977 MeV] (A_Se:169)
74Se34 + 10 D* --> 55Mn25 + 39K19 + 150.662 MeV [41.716 MeV] (A_Se:170)
74Se34 + 10 D* --> 54Fe26 + 40Ar18 + 150.437 MeV [41.491 MeV] (A_Se:171)
74Se34 + 10 D* --> 56Fe26 + 38Ar18 + 154.464 MeV [45.518 MeV] (A_Se:172)
74Se34 + 10 D* --> 58Fe26 + 36Ar18 + 151.529 MeV [42.583 MeV] (A_Se:173)
74Se34 + 10 D* --> 59Co27 + 35Cl17 + 150.386 MeV [41.440 MeV] (A_Se:174)
74Se34 + 10 D* --> 58Ni28 + 36S16 + 150.036 MeV [41.090 MeV] (A_Se:175)
74Se34 + 10 D* --> 60Ni28 + 34S16 + 153.548 MeV [44.602 MeV] (A_Se:176)
74Se34 + 10 D* --> 61Ni28 + 33S16 + 149.951 MeV [41.005 MeV] (A_Se:177)
74Se34 + 10 D* --> 62Ni28 + 32S16 + 151.906 MeV [42.960 MeV] (A_Se:178)
74Se34 + 10 D* --> 63Cu29 + 31P15 + 149.165 MeV [40.219 MeV] (A_Se:179)
74Se34 + 10 D* --> 64Zn30 + 30Si14 + 149.581 MeV [40.635 MeV] (A_Se:180)
74Se34 + 10 D* --> 66Zn30 + 28Si14 + 149.537 MeV [40.591 MeV] (A_Se:181)
74Se34 + 10 D* --> 70Ge32 + 24Mg12 + 143.641 MeV [34.695 MeV] (A_Se:182)
74Se34 + 10 D* --> 74Se34 + 20Ne10 + 138.399 MeV [29.453 MeV] (A_Se:183)
74Se34 + 10 D* --> 78Kr36 + 16O8 + 138.061 MeV [29.115 MeV] (A_Se:184)

74Se34 + 11 D* --> 50V23 + 46Ti22 + 165.625 MeV [43.855 MeV] (A_Se:185)
74Se34 + 11 D* --> 56Fe26 + 40K19 + 166.421 MeV [44.651 MeV] (A_Se:186)
74Se34 + 11 D* --> 57Fe26 + 39K19 + 166.267 MeV [44.497 MeV] (A_Se:187)
74Se34 + 11 D* --> 61Ni28 + 35Cl17 + 165.515 MeV [43.745 MeV] (A_Se:188)
74Se34 + 11 D* --> 63Cu29 + 33S16 + 164.446 MeV [42.676 MeV] (A_Se:189)

74Se34 + 12 D* --> 50Cr24 + 48Ti22 + 184.163 MeV [49.234 MeV] (A_Se:190)
74Se34 + 12 D* --> 52Cr24 + 46Ti22 + 184.956 MeV [50.028 MeV] (A_Se:191)
74Se34 + 12 D* --> 54Fe26 + 44Ca20 + 183.137 MeV [48.208 MeV] (A_Se:192)
74Se34 + 12 D* --> 56Fe26 + 42Ca20 + 184.568 MeV [49.640 MeV] (A_Se:193)
74Se34 + 12 D* --> 58Fe26 + 40Ca20 + 182.416 MeV [47.487 MeV] (A_Se:194)
74Se34 + 12 D* --> 59Co27 + 39K19 + 181.451 MeV [46.523 MeV] (A_Se:195)
74Se34 + 12 D* --> 58Ni28 + 40Ar18 + 180.684 MeV [45.755 MeV] (A_Se:196)
74Se34 + 12 D* --> 60Ni28 + 38Ar18 + 184.603 MeV [49.674 MeV] (A_Se:197)
74Se34 + 12 D* --> 62Ni28 + 36Ar18 + 182.394 MeV [47.465 MeV] (A_Se:198)

74Se34 + 12 D* --> 63Cu29 + 35Cl17 + 180.009 MeV [45.080 MeV] (A_Se:199)
74Se34 + 12 D* --> 64Zn30 + 34S16 + 181.351 MeV [46.423 MeV] (A_Se:200)
74Se34 + 12 D* --> 66Zn30 + 32S16 + 180.331 MeV [45.402 MeV] (A_Se:201)
74Se34 + 12 D* --> 70Ge32 + 28Si14 + 177.472 MeV [42.543 MeV] (A_Se:202)
74Se34 + 12 D* --> 74Se34 + 24Mg12 + 171.562 MeV [36.634 MeV] (A_Se:203)
74Se34 + 12 D* --> 78Kr36 + 20Ne10 + 166.638 MeV [31.709 MeV] (A_Se:204)

76Se34 + D* --> 64Ni28 + 14N7 + 2.120 MeV [-7.048 MeV] (A_Se:205)
76Se34 + D* --> 65Cu29 + 13C6 + 2.022 MeV [-7.145 MeV] (A_Se:206)
76Se34 + D* --> 77Se34 + 1H1 + 5.194 MeV [-3.973 MeV] (A_Se:207)

76Se34 + 2 D* --> 40Ar18 + 40Ar18 + 21.099 MeV [2.384 MeV] (A_Se:208)
76Se34 + 2 D* --> 44Ca20 + 36S16 + 23.152 MeV [4.437 MeV] (A_Se:209)
76Se34 + 2 D* --> 46Ca20 + 34S16 + 24.086 MeV [5.371 MeV] (A_Se:210)
76Se34 + 2 D* --> 48Ca20 + 32S16 + 21.249 MeV [2.534 MeV] (A_Se:211)
76Se34 + 2 D* --> 50Ti22 + 30Si14 + 26.879 MeV [8.164 MeV] (A_Se:212)
76Se34 + 2 D* --> 54Cr24 + 26Mg12 + 24.167 MeV [5.452 MeV] (A_Se:213)
76Se34 + 2 D* --> 58Fe26 + 22Ne10 + 21.198 MeV [2.483 MeV] (A_Se:214)
76Se34 + 2 D* --> 62Ni28 + 18O8 + 18.547 MeV [-0.168 MeV] (A_Se:215)
76Se34 + 2 D* --> 64Ni28 + 16O8 + 22.856 MeV [4.141 MeV] (A_Se:216)
76Se34 + 2 D* --> 65Cu29 + 15N7 + 18.182 MeV [-0.533 MeV] (A_Se:217)
76Se34 + 2 D* --> 67Zn30 + 13C6 + 15.775 MeV [-2.940 MeV] (A_Se:218)
76Se34 + 2 D* --> 68Zn30 + 12C6 + 21.027 MeV [2.312 MeV] (A_Se:219)
76Se34 + 2 D* --> 69Ga31 + 11B5 + 11.679 MeV [-7.036 MeV] (A_Se:220)
76Se34 + 2 D* --> 76Se34 + 4He2 + 23.847 MeV [5.132 MeV] (A_Se:221)
76Se34 + 2 D* --> 77Se34 + 3He2 + 10.688 MeV [-8.027 MeV] (A_Se:222)
76Se34 + 2 D* --> 79Br35 + 1H1 + 19.799 MeV [1.084 MeV] (A_Se:223)
76Se34 + 2 D* --> 80Kr36 + 28.912 MeV [10.197 MeV] (A_Se:224)

76Se34 + 3 D* --> 65Cu29 + 17O8 + 32.228 MeV [3.590 MeV] (A_Se:225)
76Se34 + 3 D* --> 67Zn30 + 15N7 + 31.934 MeV [3.296 MeV] (A_Se:226)
76Se34 + 3 D* --> 68Zn30 + 14N7 + 31.299 MeV [2.661 MeV] (A_Se:227)
76Se34 + 3 D* --> 69Ga31 + 13C6 + 30.358 MeV [1.720 MeV] (A_Se:228)
76Se34 + 3 D* --> 72Ge32 + 10B5 + 24.690 MeV [-3.947 MeV] (A_Se:229)
76Se34 + 3 D* --> 76Se34 + 6Li3 + 25.320 MeV [-3.317 MeV] (A_Se:230)
76Se34 + 3 D* --> 79Br35 + 3He2 + 25.292 MeV [-3.345 MeV] (A_Se:231)
76Se34 + 3 D* --> 80Kr36 + 2H1 + 28.912 MeV [00.274 MeV] (A_Se:232)

76Se34 + 4 D* --> 44Ca20 + 40Ar18 + 53.799 MeV [14.869 MeV] (A_Se:233)
76Se34 + 4 D* --> 46Ca20 + 38Ar18 + 55.140 MeV [16.210 MeV] (A_Se:234)
76Se34 + 4 D* --> 48Ca20 + 36Ar18 + 51.737 MeV [12.806 MeV] (A_Se:235)
76Se34 + 4 D* --> 48Ti22 + 36S16 + 56.443 MeV [17.512 MeV] (A_Se:236)
76Se34 + 4 D* --> 50Ti22 + 34S16 + 58.649 MeV [19.719 MeV] (A_Se:237)
76Se34 + 4 D* --> 54Cr24 + 30Si14 + 58.656 MeV [19.726 MeV] (A_Se:238)
76Se34 + 4 D* --> 58Fe26 + 26Mg12 + 55.659 MeV [16.729 MeV] (A_Se:239)
76Se34 + 4 D* --> 62Ni28 + 22Ne10 + 52.062 MeV [13.131 MeV] (A_Se:240)
76Se34 + 4 D* --> 64Ni28 + 20Ne10 + 51.432 MeV [12.502 MeV] (A_Se:241)
76Se34 + 4 D* --> 65Cu29 + 19F9 + 46.042 MeV [7.112 MeV] (A_Se:242)
76Se34 + 4 D* --> 66Zn30 + 18O8 + 46.972 MeV [8.041 MeV] (A_Se:243)
76Se34 + 4 D* --> 67Zn30 + 17O8 + 45.980 MeV [7.050 MeV] (A_Se:244)
76Se34 + 4 D* --> 68Zn30 + 16O8 + 52.035 MeV [13.105 MeV] (A_Se:245)
76Se34 + 4 D* --> 69Ga31 + 15N7 + 46.517 MeV [7.587 MeV] (A_Se:246)
76Se34 + 4 D* --> 72Ge32 + 12C6 + 49.877 MeV [10.946 MeV] (A_Se:247)
76Se34 + 4 D* --> 80Kr36 + 4He2 + 52.758 MeV [13.828 MeV] (A_Se:248)

76Se34 + 4 D* --> 84Sr38 + 57.935 MeV [19.004 MeV] (A_Se:249)

76Se34 + 5 D* --> 46Ca20 + 40K19 + 67.097 MeV [17.509 MeV] (A_Se:250)
76Se34 + 5 D* --> 49Ti22 + 37Cl17 + 70.747 MeV [21.159 MeV] (A_Se:251)
76Se34 + 5 D* --> 50V23 + 36S16 + 70.312 MeV [20.725 MeV] (A_Se:252)
76Se34 + 5 D* --> 65Cu29 + 21Ne10 + 63.422 MeV [13.834 MeV] (A_Se:253)
76Se34 + 5 D* --> 67Zn30 + 19F9 + 59.794 MeV [10.207 MeV] (A_Se:254)
76Se34 + 5 D* --> 69Ga31 + 17O8 + 60.563 MeV [10.976 MeV] (A_Se:255)
76Se34 + 5 D* --> 72Ge32 + 14N7 + 60.149 MeV [10.561 MeV] (A_Se:256)
76Se34 + 5 D* --> 76Se34 + 10B5 + 53.628 MeV [4.040 MeV] (A_Se:257)
76Se34 + 5 D* --> 80Kr36 + 6Li3 + 54.232 MeV [4.645 MeV] (A_Se:258)
76Se34 + 5 D* --> 84Sr38 + 2H1 + 57.935 MeV [8.347 MeV] (A_Se:259)

76Se34 + 6 D* --> 44Ca20 + 44Ca20 + 86.499 MeV [25.894 MeV] (A_Se:260)
76Se34 + 6 D* --> 46Ca20 + 42Ca20 + 85.244 MeV [24.640 MeV] (A_Se:261)
76Se34 + 6 D* --> 48Ca20 + 40Ca20 + 82.623 MeV [22.018 MeV] (A_Se:262)
76Se34 + 6 D* --> 48Ti22 + 40Ar18 + 87.090 MeV [26.485 MeV] (A_Se:263)
76Se34 + 6 D* --> 50Ti22 + 38Ar18 + 89.704 MeV [29.099 MeV] (A_Se:264)
76Se34 + 6 D* --> 51V23 + 37Cl17 + 87.525 MeV [26.920 MeV] (A_Se:265)
76Se34 + 6 D* --> 52Cr24 + 36S16 + 89.643 MeV [29.038 MeV] (A_Se:266)
76Se34 + 6 D* --> 54Cr24 + 34S16 + 90.427 MeV [29.822 MeV] (A_Se:267)
76Se34 + 6 D* --> 58Fe26 + 30Si14 + 90.149 MeV [29.544 MeV] (A_Se:268)
76Se34 + 6 D* --> 62Ni28 + 26Mg12 + 86.523 MeV [25.918 MeV] (A_Se:269)
76Se34 + 6 D* --> 64Ni28 + 24Mg12 + 84.595 MeV [23.990 MeV] (A_Se:270)
76Se34 + 6 D* --> 65Cu29 + 23Na11 + 80.356 MeV [19.751 MeV] (A_Se:271)
76Se34 + 6 D* --> 66Zn30 + 22Ne10 + 80.486 MeV [19.882 MeV] (A_Se:272)
76Se34 + 6 D* --> 67Zn30 + 21Ne10 + 77.174 MeV [16.570 MeV] (A_Se:273)
76Se34 + 6 D* --> 68Zn30 + 20Ne10 + 80.611 MeV [20.007 MeV] (A_Se:274)
76Se34 + 6 D* --> 69Ga31 + 19F9 + 74.377 MeV [13.773 MeV] (A_Se:275)
76Se34 + 6 D* --> 70Ge32 + 18O8 + 74.907 MeV [14.302 MeV] (A_Se:276)
76Se34 + 6 D* --> 72Ge32 + 16O8 + 80.885 MeV [20.280 MeV] (A_Se:277)
76Se34 + 6 D* --> 76Se34 + 12C6 + 78.814 MeV [18.209 MeV] (A_Se:278)
76Se34 + 6 D* --> 84Sr38 + 4He2 + 81.781 MeV [21.176 MeV] (A_Se:279)

76Se34 + 7 D* --> 49Ti22 + 41K19 + 100.816 MeV [28.838 MeV] (A_Se:280)
76Se34 + 7 D* --> 50Ti22 + 40K19 + 101.660 MeV [29.682 MeV] (A_Se:281)
76Se34 + 7 D* --> 50V23 + 40Ar18 + 100.959 MeV [28.982 MeV] (A_Se:282)
76Se34 + 7 D* --> 53Cr24 + 37Cl17 + 103.744 MeV [31.767 MeV] (A_Se:283)
76Se34 + 7 D* --> 65Cu29 + 25Mg12 + 97.154 MeV [25.177 MeV] (A_Se:284)
76Se34 + 7 D* --> 67Zn30 + 23Na11 + 94.108 MeV [22.131 MeV] (A_Se:285)
76Se34 + 7 D* --> 69Ga31 + 21Ne10 + 91.758 MeV [19.780 MeV] (A_Se:286)
76Se34 + 7 D* --> 76Se34 + 14N7 + 89.087 MeV [17.109 MeV] (A_Se:287)
76Se34 + 7 D* --> 80Kr36 + 10B5 + 82.540 MeV [10.562 MeV] (A_Se:288)
76Se34 + 7 D* --> 84Sr38 + 6Li3 + 83.255 MeV [11.278 MeV] (A_Se:289)

76Se34 + 8 D* --> 46Ca20 + 46Ti22 + 117.092 MeV [33.391 MeV] (A_Se:290)
76Se34 + 8 D* --> 46Ti22 + 46Ca20 + 117.092 MeV [33.391 MeV] (A_Se:291)
76Se34 + 8 D* --> 48Ti22 + 44Ca20 + 119.790 MeV [36.089 MeV] (A_Se:292)
76Se34 + 8 D* --> 49Ti22 + 43Ca20 + 116.801 MeV [33.100 MeV] (A_Se:293)
76Se34 + 8 D* --> 50Ti22 + 42Ca20 + 119.807 MeV [36.107 MeV] (A_Se:294)
76Se34 + 8 D* --> 51V23 + 41K19 + 117.594 MeV [33.893 MeV] (A_Se:295)
76Se34 + 8 D* --> 52Cr24 + 40Ar18 + 120.291 MeV [36.590 MeV] (A_Se:296)
76Se34 + 8 D* --> 54Cr24 + 38Ar18 + 121.481 MeV [37.780 MeV] (A_Se:297)
76Se34 + 8 D* --> 55Mn25 + 37Cl17 + 119.306 MeV [35.605 MeV] (A_Se:298)

76Se34 + 8 D* --> 56Fe26 + 36S16 + 121.103 MeV [37.402 MeV] (A_Se:299)
76Se34 + 8 D* --> 58Fe26 + 34S16 + 121.919 MeV [38.218 MeV] (A_Se:300)
76Se34 + 8 D* --> 62Ni28 + 30Si14 + 121.013 MeV [37.312 MeV] (A_Se:301)
76Se34 + 8 D* --> 64Ni28 + 28Si14 + 118.426 MeV [34.725 MeV] (A_Se:302)
76Se34 + 8 D* --> 65Cu29 + 27Al13 + 114.294 MeV [30.593 MeV] (A_Se:303)
76Se34 + 8 D* --> 66Zn30 + 26Mg12 + 114.948 MeV [31.247 MeV] (A_Se:304)
76Se34 + 8 D* --> 67Zn30 + 25Mg12 + 110.907 MeV [27.206 MeV] (A_Se:305)
76Se34 + 8 D* --> 68Zn30 + 24Mg12 + 113.775 MeV [30.074 MeV] (A_Se:306)
76Se34 + 8 D* --> 69Ga31 + 23Na11 + 108.691 MeV [24.990 MeV] (A_Se:307)
76Se34 + 8 D* --> 70Ge32 + 22Ne10 + 108.422 MeV [24.721 MeV] (A_Se:308)
76Se34 + 8 D* --> 72Ge32 + 20Ne10 + 109.462 MeV [25.761 MeV] (A_Se:309)
76Se34 + 8 D* --> 74Se34 + 18O8 + 102.828 MeV [19.127 MeV] (A_Se:310)
76Se34 + 8 D* --> 76Se34 + 16O8 + 109.823 MeV [26.122 MeV] (A_Se:311)
76Se34 + 8 D* --> 80Kr36 + 12C6 + 107.726 MeV [24.025 MeV] (A_Se:312)
76Se34 + 8 D* --> 92Mo42 + 116.639 MeV [32.938 MeV] (A_Se:313)

76Se34 + 9 D* --> 49Ti22 + 45Sc21 + 132.596 MeV [36.825 MeV] (A_Se:314)
76Se34 + 9 D* --> 50V23 + 44Ca20 + 133.659 MeV [37.888 MeV] (A_Se:315)
76Se34 + 9 D* --> 51V23 + 43Ca20 + 133.579 MeV [37.808 MeV] (A_Se:316)
76Se34 + 9 D* --> 53Cr24 + 41K19 + 133.813 MeV [38.042 MeV] (A_Se:317)
76Se34 + 9 D* --> 54Cr24 + 40K19 + 133.437 MeV [37.666 MeV] (A_Se:318)
76Se34 + 9 D* --> 57Fe26 + 37Cl17 + 134.911 MeV [39.140 MeV] (A_Se:319)
76Se34 + 9 D* --> 65Cu29 + 29Si14 + 132.128 MeV [36.357 MeV] (A_Se:320)
76Se34 + 9 D* --> 67Zn30 + 27Al13 + 128.047 MeV [32.275 MeV] (A_Se:321)
76Se34 + 9 D* --> 69Ga31 + 25Mg12 + 125.490 MeV [29.719 MeV] (A_Se:322)
76Se34 + 9 D* --> 80Kr36 + 14N7 + 117.999 MeV [22.227 MeV] (A_Se:323)
76Se34 + 9 D* --> 84Sr38 + 10B5 + 111.563 MeV [15.791 MeV] (A_Se:324)
76Se34 + 9 D* --> 92Mo42 + 2H1 + 116.639 MeV [20.868 MeV] (A_Se:325)

76Se34 + 10 D* --> 48Ti22 + 48Ti22 + 153.081 MeV [44.896 MeV] (A_Se:326)
76Se34 + 10 D* --> 49Ti22 + 47Ti22 + 149.596 MeV [41.412 MeV] (A_Se:327)
76Se34 + 10 D* --> 50Ti22 + 46Ti22 + 151.655 MeV [43.471 MeV] (A_Se:328)
76Se34 + 10 D* --> 51V23 + 45Sc21 + 149.374 MeV [41.190 MeV] (A_Se:329)
76Se34 + 10 D* --> 50Cr24 + 46Ca20 + 149.500 MeV [41.316 MeV] (A_Se:330)
76Se34 + 10 D* --> 52Cr24 + 44Ca20 + 152.991 MeV [44.806 MeV] (A_Se:331)
76Se34 + 10 D* --> 53Cr24 + 43Ca20 + 149.799 MeV [41.614 MeV] (A_Se:332)
76Se34 + 10 D* --> 54Cr24 + 42Ca20 + 151.585 MeV [43.401 MeV] (A_Se:333)
76Se34 + 10 D* --> 55Mn25 + 41K19 + 149.375 MeV [41.191 MeV] (A_Se:334)
76Se34 + 10 D* --> 56Fe26 + 40Ar18 + 151.750 MeV [43.566 MeV] (A_Se:335)
76Se34 + 10 D* --> 58Fe26 + 38Ar18 + 152.973 MeV [44.789 MeV] (A_Se:336)
76Se34 + 10 D* --> 59Co27 + 37Cl17 + 150.095 MeV [41.911 MeV] (A_Se:337)
76Se34 + 10 D* --> 60Ni28 + 36S16 + 151.241 MeV [43.057 MeV] (A_Se:338)
76Se34 + 10 D* --> 62Ni28 + 34S16 + 152.783 MeV [44.599 MeV] (A_Se:339)
76Se34 + 10 D* --> 64Ni28 + 32S16 + 149.220 MeV [41.036 MeV] (A_Se:340)
76Se34 + 10 D* --> 65Cu29 + 31P15 + 147.810 MeV [39.626 MeV] (A_Se:341)
76Se34 + 10 D* --> 66Zn30 + 30Si14 + 149.438 MeV [41.253 MeV] (A_Se:342)
76Se34 + 10 D* --> 67Zn30 + 29Si14 + 145.881 MeV [37.696 MeV] (A_Se:343)
76Se34 + 10 D* --> 68Zn30 + 28Si14 + 147.605 MeV [39.421 MeV] (A_Se:344)
76Se34 + 10 D* --> 69Ga31 + 27Al13 + 142.630 MeV [34.445 MeV] (A_Se:345)
76Se34 + 10 D* --> 70Ge32 + 26Mg12 + 142.883 MeV [34.699 MeV] (A_Se:346)
76Se34 + 10 D* --> 72Ge32 + 24Mg12 + 142.625 MeV [34.440 MeV] (A_Se:347)
76Se34 + 10 D* --> 74Se34 + 22Ne10 + 136.343 MeV [28.158 MeV] (A_Se:348)
76Se34 + 10 D* --> 76Se34 + 20Ne10 + 138.399 MeV [30.215 MeV] (A_Se:349)
76Se34 + 10 D* --> 78Kr36 + 18O8 + 131.066 MeV [22.882 MeV] (A_Se:350)

76Se34 + 10 D* --> 80Kr36 + 16O8 + 138.735 MeV [30.550 MeV] (A_Se:351)
76Se34 + 10 D* --> 84Sr38 + 12C6 + 136.749 MeV [28.565 MeV] (A_Se:352)
76Se34 + 10 D* --> 92Mo42 + 4He2 + 140.485 MeV [32.301 MeV] (A_Se:353)
76Se34 + 10 D* --> 96Ru44 + 142.177 MeV [33.993 MeV] (A_Se:354)

76Se34 + 11 D* --> 50V23 + 48Ti22 + 166.950 MeV [46.014 MeV] (A_Se:355)
76Se34 + 11 D* --> 51V23 + 47Ti22 + 166.375 MeV [45.439 MeV] (A_Se:356)
76Se34 + 11 D* --> 53Cr24 + 45Sc21 + 165.593 MeV [44.657 MeV] (A_Se:357)
76Se34 + 11 D* --> 55Mn25 + 43Ca20 + 165.360 MeV [44.424 MeV] (A_Se:358)
76Se34 + 11 D* --> 57Fe26 + 41K19 + 164.980 MeV [44.044 MeV] (A_Se:359)
76Se34 + 11 D* --> 58Fe26 + 40K19 + 164.930 MeV [43.993 MeV] (A_Se:360)
76Se34 + 11 D* --> 61Ni28 + 37Cl17 + 165.223 MeV [44.287 MeV] (A_Se:361)
76Se34 + 11 D* --> 65Cu29 + 33S16 + 163.091 MeV [42.154 MeV] (A_Se:362)
76Se34 + 11 D* --> 67Zn30 + 31P15 + 161.562 MeV [40.626 MeV] (A_Se:363)
76Se34 + 11 D* --> 69Ga31 + 29Si14 + 160.464 MeV [39.528 MeV] (A_Se:364)
76Se34 + 11 D* --> 84Sr38 + 14N7 + 147.021 MeV [26.085 MeV] (A_Se:365)
76Se34 + 11 D* --> 92Mo42 + 6Li3 + 141.959 MeV [21.023 MeV] (A_Se:366)
76Se34 + 11 D* --> 96Ru44 + 2H1 + 142.177 MeV [21.241 MeV] (A_Se:367)

76Se34 + 12 D* --> 50Ti22 + 50Cr24 + 184.063 MeV [50.040 MeV] (A_Se:368)
76Se34 + 12 D* --> 50V23 + 50V23 + 180.820 MeV [46.797 MeV] (A_Se:369)
76Se34 + 12 D* --> 50Cr24 + 50Ti22 + 184.063 MeV [50.040 MeV] (A_Se:370)
76Se34 + 12 D* --> 52Cr24 + 48Ti22 + 186.281 MeV [52.258 MeV] (A_Se:371)
76Se34 + 12 D* --> 53Cr24 + 47Ti22 + 182.594 MeV [48.571 MeV] (A_Se:372)
76Se34 + 12 D* --> 54Cr24 + 46Ti22 + 183.433 MeV [49.410 MeV] (A_Se:373)
76Se34 + 12 D* --> 55Mn25 + 45Sc21 + 181.155 MeV [47.132 MeV] (A_Se:374)
76Se34 + 12 D* --> 54Fe26 + 46Ca20 + 181.764 MeV [47.741 MeV] (A_Se:375)
76Se34 + 12 D* --> 56Fe26 + 44Ca20 + 184.450 MeV [50.427 MeV] (A_Se:376)
76Se34 + 12 D* --> 57Fe26 + 43Ca20 + 180.965 MeV [46.942 MeV] (A_Se:377)
76Se34 + 12 D* --> 58Fe26 + 42Ca20 + 183.077 MeV [49.054 MeV] (A_Se:378)
76Se34 + 12 D* --> 59Co27 + 41K19 + 180.164 MeV [46.141 MeV] (A_Se:379)
76Se34 + 12 D* --> 60Ni28 + 40Ar18 + 181.889 MeV [47.866 MeV] (A_Se:380)
76Se34 + 12 D* --> 62Ni28 + 38Ar18 + 183.837 MeV [49.814 MeV] (A_Se:381)
76Se34 + 12 D* --> 64Ni28 + 36Ar18 + 179.707 MeV [45.684 MeV] (A_Se:382)
76Se34 + 12 D* --> 63Cu29 + 37Cl17 + 179.718 MeV [45.695 MeV] (A_Se:383)
76Se34 + 12 D* --> 65Cu29 + 35Cl17 + 178.654 MeV [44.631 MeV] (A_Se:384)
76Se34 + 12 D* --> 64Zn30 + 36S16 + 179.044 MeV [45.021 MeV] (A_Se:385)
76Se34 + 12 D* --> 66Zn30 + 34S16 + 181.208 MeV [47.185 MeV] (A_Se:386)
76Se34 + 12 D* --> 67Zn30 + 33S16 + 176.843 MeV [42.820 MeV] (A_Se:387)
76Se34 + 12 D* --> 68Zn30 + 32S16 + 178.400 MeV [44.376 MeV] (A_Se:388)
76Se34 + 12 D* --> 69Ga31 + 31P15 + 176.145 MeV [42.122 MeV] (A_Se:389)
76Se34 + 12 D* --> 70Ge32 + 30Si14 + 177.373 MeV [43.350 MeV] (A_Se:390)
76Se34 + 12 D* --> 72Ge32 + 28Si14 + 176.455 MeV [42.432 MeV] (A_Se:391)
76Se34 + 12 D* --> 74Se34 + 26Mg12 + 170.804 MeV [36.781 MeV] (A_Se:392)
76Se34 + 12 D* --> 76Se34 + 24Mg12 + 171.562 MeV [37.539 MeV] (A_Se:393)
76Se34 + 12 D* --> 78Kr36 + 22Ne10 + 164.581 MeV [30.558 MeV] (A_Se:394)
76Se34 + 12 D* --> 80Kr36 + 20Ne10 + 167.311 MeV [33.288 MeV] (A_Se:395)
76Se34 + 12 D* --> 84Sr38 + 16O8 + 167.757 MeV [33.734 MeV] (A_Se:396)
76Se34 + 12 D* --> 96Ru44 + 4He2 + 166.024 MeV [32.001 MeV] (A_Se:397)

77Se34 + D* --> 48Ca20 + 31P15 + 7.191 MeV [-1.937 MeV] (A_Se:398)
77Se34 + D* --> 64Ni28 + 15N7 + 5.534 MeV [-3.594 MeV] (A_Se:399)
77Se34 + D* --> 75As33 + 4He2 + 9.144 MeV [00.015 MeV] (A_Se:400)
77Se34 + D* --> 78Se34 + 1H1 + 8.273 MeV [-0.855 MeV] (A_Se:401)

77Se34 + D* --> 79Br35 + 14.605 MeV [5.476 MeV] (A_Se:402)

77Se34 + 2 D* --> 48Ca20 + 33S16 + 22.472 MeV [3.834 MeV] (A_Se:403)
77Se34 + 2 D* --> 64Ni28 + 17O8 + 19.580 MeV [00.942 MeV] (A_Se:404)
77Se34 + 2 D* --> 68Zn30 + 13C6 + 18.554 MeV [-0.083 MeV] (A_Se:405)
77Se34 + 2 D* --> 71Ga31 + 10B5 + 9.761 MeV [-8.876 MeV] (A_Se:406)
77Se34 + 2 D* --> 72Ge32 + 9Be4 + 12.910 MeV [-5.727 MeV] (A_Se:407)
77Se34 + 2 D* --> 75As33 + 6Li3 + 10.617 MeV [-8.020 MeV] (A_Se:408)
77Se34 + 2 D* --> 77Se34 + 4He2 + 23.847 MeV [5.209 MeV] (A_Se:409)
77Se34 + 2 D* --> 78Se34 + 3He2 + 13.767 MeV [-4.871 MeV] (A_Se:410)
77Se34 + 2 D* --> 79Br35 + 2H1 + 14.605 MeV [-4.033 MeV] (A_Se:411)

77Se34 + 3 D* --> 46Ca20 + 37Cl17 + 39.704 MeV [11.182 MeV] (A_Se:412)
77Se34 + 3 D* --> 48Ca20 + 35Cl17 + 38.035 MeV [9.513 MeV] (A_Se:413)
77Se34 + 3 D* --> 64Ni28 + 19F9 + 33.394 MeV [4.872 MeV] (A_Se:414)
77Se34 + 3 D* --> 65Cu29 + 18O8 + 32.853 MeV [4.331 MeV] (A_Se:415)
77Se34 + 3 D* --> 68Zn30 + 15N7 + 34.713 MeV [6.191 MeV] (A_Se:416)
77Se34 + 3 D* --> 71Ga31 + 12C6 + 34.948 MeV [6.426 MeV] (A_Se:417)
77Se34 + 3 D* --> 72Ge32 + 11B5 + 28.726 MeV [00.203 MeV] (A_Se:418)
77Se34 + 3 D* --> 73Ge32 + 10B5 + 24.054 MeV [-4.468 MeV] (A_Se:419)
77Se34 + 3 D* --> 76Se34 + 7Li3 + 25.151 MeV [-3.371 MeV] (A_Se:420)
77Se34 + 3 D* --> 77Se34 + 6Li3 + 25.320 MeV [-3.202 MeV] (A_Se:421)
77Se34 + 3 D* --> 79Br35 + 4He2 + 38.451 MeV [9.929 MeV] (A_Se:422)
77Se34 + 3 D* --> 82Kr36 + 1H1 + 38.108 MeV [9.586 MeV] (A_Se:423)

77Se34 + 4 D* --> 49Ti22 + 36S16 + 57.166 MeV [18.389 MeV] (A_Se:424)
77Se34 + 4 D* --> 64Ni28 + 21Ne10 + 50.774 MeV [11.997 MeV] (A_Se:425)
77Se34 + 4 D* --> 67Zn30 + 18O8 + 46.605 MeV [7.828 MeV] (A_Se:426)
77Se34 + 4 D* --> 68Zn30 + 17O8 + 48.759 MeV [9.982 MeV] (A_Se:427)
77Se34 + 4 D* --> 71Ga31 + 14N7 + 45.220 MeV [6.443 MeV] (A_Se:428)
77Se34 + 4 D* --> 72Ge32 + 13C6 + 47.404 MeV [8.627 MeV] (A_Se:429)
77Se34 + 4 D* --> 73Ge32 + 12C6 + 49.241 MeV [10.464 MeV] (A_Se:430)
77Se34 + 4 D* --> 75As33 + 10B5 + 38.925 MeV [00.148 MeV] (A_Se:431)
77Se34 + 4 D* --> 76Se34 + 9Be4 + 41.848 MeV [3.071 MeV] (A_Se:432)
77Se34 + 4 D* --> 79Br35 + 6Li3 + 39.925 MeV [1.148 MeV] (A_Se:433)
77Se34 + 4 D* --> 82Kr36 + 3He2 + 43.602 MeV [4.825 MeV] (A_Se:434)

77Se34 + 5 D* --> 46Ca20 + 41K19 + 69.773 MeV [20.376 MeV] (A_Se:435)
77Se34 + 5 D* --> 48Ca20 + 39K19 + 69.100 MeV [19.703 MeV] (A_Se:436)
77Se34 + 5 D* --> 50Ti22 + 37Cl17 + 74.267 MeV [24.870 MeV] (A_Se:437)
77Se34 + 5 D* --> 51V23 + 36S16 + 73.944 MeV [24.548 MeV] (A_Se:438)
77Se34 + 5 D* --> 64Ni28 + 23Na11 + 67.708 MeV [18.311 MeV] (A_Se:439)
77Se34 + 5 D* --> 65Cu29 + 22Ne10 + 66.367 MeV [16.970 MeV] (A_Se:440)
77Se34 + 5 D* --> 68Zn30 + 19F9 + 62.574 MeV [13.177 MeV] (A_Se:441)
77Se34 + 5 D* --> 69Ga31 + 18O8 + 61.188 MeV [11.791 MeV] (A_Se:442)
77Se34 + 5 D* --> 71Ga31 + 16O8 + 65.956 MeV [16.559 MeV] (A_Se:443)
77Se34 + 5 D* --> 72Ge32 + 15N7 + 63.563 MeV [14.167 MeV] (A_Se:444)
77Se34 + 5 D* --> 73Ge32 + 14N7 + 59.513 MeV [10.116 MeV] (A_Se:445)
77Se34 + 5 D* --> 75As33 + 12C6 + 64.111 MeV [14.715 MeV] (A_Se:446)
77Se34 + 5 D* --> 76Se34 + 11B5 + 57.663 MeV [8.266 MeV] (A_Se:447)
77Se34 + 5 D* --> 77Se34 + 10B5 + 53.628 MeV [4.231 MeV] (A_Se:448)
77Se34 + 5 D* --> 80Kr36 + 7Li3 + 54.063 MeV [4.666 MeV] (A_Se:449)
77Se34 + 5 D* --> 86Sr38 + 1H1 + 68.314 MeV [18.917 MeV] (A_Se:450)

77Se34 + 6 D* --> 46Ca20 + 43Ca20 + 85.758 MeV [25.381 MeV] (A_Se:451)
77Se34 + 6 D* --> 49Ti22 + 40Ar18 + 87.813 MeV [27.436 MeV] (A_Se:452)
77Se34 + 6 D* --> 53Cr24 + 36S16 + 90.164 MeV [29.787 MeV] (A_Se:453)
77Se34 + 6 D* --> 64Ni28 + 25Mg12 + 84.507 MeV [24.130 MeV] (A_Se:454)
77Se34 + 6 D* --> 67Zn30 + 22Ne10 + 80.120 MeV [19.743 MeV] (A_Se:455)
77Se34 + 6 D* --> 68Zn30 + 21Ne10 + 79.954 MeV [19.577 MeV] (A_Se:456)
77Se34 + 6 D* --> 72Ge32 + 17O8 + 77.609 MeV [17.232 MeV] (A_Se:457)
77Se34 + 6 D* --> 73Ge32 + 16O8 + 80.249 MeV [19.872 MeV] (A_Se:458)
77Se34 + 6 D* --> 75As33 + 14N7 + 74.384 MeV [14.007 MeV] (A_Se:459)
77Se34 + 6 D* --> 76Se34 + 13C6 + 76.342 MeV [15.965 MeV] (A_Se:460)
77Se34 + 6 D* --> 77Se34 + 12C6 + 78.814 MeV [18.437 MeV] (A_Se:461)
77Se34 + 6 D* --> 79Br35 + 10B5 + 68.233 MeV [7.856 MeV] (A_Se:462)
77Se34 + 6 D* --> 80Kr36 + 9Be4 + 70.760 MeV [10.383 MeV] (A_Se:463)
77Se34 + 6 D* --> 86Sr38 + 3He2 + 73.807 MeV [13.430 MeV] (A_Se:464)

77Se34 + 7 D* --> 46Ca20 + 45Sc21 + 101.553 MeV [29.841 MeV] (A_Se:465)
77Se34 + 7 D* --> 50Ti22 + 41K19 + 104.336 MeV [32.623 MeV] (A_Se:466)
77Se34 + 7 D* --> 51V23 + 40Ar18 + 104.592 MeV [32.879 MeV] (A_Se:467)
77Se34 + 7 D* --> 54Cr24 + 37Cl17 + 106.045 MeV [34.332 MeV] (A_Se:468)
77Se34 + 7 D* --> 55Mn25 + 36S16 + 105.725 MeV [34.012 MeV] (A_Se:469)
77Se34 + 7 D* --> 64Ni28 + 27Al13 + 101.646 MeV [29.934 MeV] (A_Se:470)
77Se34 + 7 D* --> 65Cu29 + 26Mg12 + 100.829 MeV [29.116 MeV] (A_Se:471)
77Se34 + 7 D* --> 68Zn30 + 23Na11 + 96.888 MeV [25.175 MeV] (A_Se:472)
77Se34 + 7 D* --> 69Ga31 + 22Ne10 + 94.703 MeV [22.990 MeV] (A_Se:473)
77Se34 + 7 D* --> 71Ga31 + 20Ne10 + 94.533 MeV [22.820 MeV] (A_Se:474)
77Se34 + 7 D* --> 72Ge32 + 19F9 + 91.424 MeV [19.711 MeV] (A_Se:475)
77Se34 + 7 D* --> 75As33 + 16O8 + 95.120 MeV [23.407 MeV] (A_Se:476)
77Se34 + 7 D* --> 76Se34 + 15N7 + 92.501 MeV [20.788 MeV] (A_Se:477)
77Se34 + 7 D* --> 77Se34 + 14N7 + 89.087 MeV [17.374 MeV] (A_Se:478)
77Se34 + 7 D* --> 79Br35 + 12C6 + 93.419 MeV [21.706 MeV] (A_Se:479)
77Se34 + 7 D* --> 80Kr36 + 11B5 + 86.575 MeV [14.862 MeV] (A_Se:480)
77Se34 + 7 D* --> 84Sr38 + 7Li3 + 83.086 MeV [11.373 MeV] (A_Se:481)
77Se34 + 7 D* --> 90Zr40 + 1H1 + 98.829 MeV [27.116 MeV] (A_Se:482)

77Se34 + 8 D* --> 47Ti22 + 46Ca20 + 118.554 MeV [35.154 MeV] (A_Se:483)
77Se34 + 8 D* --> 49Ti22 + 44Ca20 + 120.513 MeV [37.114 MeV] (A_Se:484)
77Se34 + 8 D* --> 50Ti22 + 43Ca20 + 120.321 MeV [36.922 MeV] (A_Se:485)
77Se34 + 8 D* --> 53Cr24 + 40Ar18 + 120.811 MeV [37.411 MeV] (A_Se:486)
77Se34 + 8 D* --> 57Fe26 + 36S16 + 121.330 MeV [37.931 MeV] (A_Se:487)
77Se34 + 8 D* --> 64Ni28 + 29Si14 + 119.481 MeV [36.081 MeV] (A_Se:488)
77Se34 + 8 D* --> 67Zn30 + 26Mg12 + 114.581 MeV [31.181 MeV] (A_Se:489)
77Se34 + 8 D* --> 68Zn30 + 25Mg12 + 113.686 MeV [30.286 MeV] (A_Se:490)
77Se34 + 8 D* --> 72Ge32 + 21Ne10 + 108.804 MeV [25.404 MeV] (A_Se:491)
77Se34 + 8 D* --> 73Ge32 + 20Ne10 + 108.826 MeV [25.426 MeV] (A_Se:492)
77Se34 + 8 D* --> 76Se34 + 17O8 + 106.547 MeV [23.147 MeV] (A_Se:493)
77Se34 + 8 D* --> 77Se34 + 16O8 + 109.823 MeV [26.423 MeV] (A_Se:494)
77Se34 + 8 D* --> 79Br35 + 14N7 + 103.691 MeV [20.291 MeV] (A_Se:495)
77Se34 + 8 D* --> 80Kr36 + 13C6 + 105.254 MeV [21.854 MeV] (A_Se:496)
77Se34 + 8 D* --> 84Sr38 + 9Be4 + 99.782 MeV [16.383 MeV] (A_Se:497)
77Se34 + 8 D* --> 90Zr40 + 3He2 + 104.322 MeV [20.922 MeV] (A_Se:498)

77Se34 + 9 D* --> 50Ti22 + 45Sc21 + 136.116 MeV [40.682 MeV] (A_Se:499)
77Se34 + 9 D* --> 51V23 + 44Ca20 + 137.292 MeV [41.858 MeV] (A_Se:500)
77Se34 + 9 D* --> 54Cr24 + 41K19 + 136.114 MeV [40.680 MeV] (A_Se:501)

77Se34 + 9 D* --> 55Mn25 + 40Ar18 + 136.372 MeV [40.938 MeV] (A_Se:502)
77Se34 + 9 D* --> 58Fe26 + 37Cl17 + 137.537 MeV [42.103 MeV] (A_Se:503)
77Se34 + 9 D* --> 59Co27 + 36S16 + 136.514 MeV [41.080 MeV] (A_Se:504)
77Se34 + 9 D* --> 64Ni28 + 31P15 + 135.162 MeV [39.728 MeV] (A_Se:505)
77Se34 + 9 D* --> 65Cu29 + 30Si14 + 135.318 MeV [39.885 MeV] (A_Se:506)
77Se34 + 9 D* --> 68Zn30 + 27Al13 + 130.826 MeV [35.392 MeV] (A_Se:507)
77Se34 + 9 D* --> 69Ga31 + 26Mg12 + 129.164 MeV [33.730 MeV] (A_Se:508)
77Se34 + 9 D* --> 71Ga31 + 24Mg12 + 127.696 MeV [32.262 MeV] (A_Se:509)
77Se34 + 9 D* --> 72Ge32 + 23Na11 + 125.738 MeV [30.304 MeV] (A_Se:510)
77Se34 + 9 D* --> 75As33 + 20Ne10 + 123.696 MeV [28.262 MeV] (A_Se:511)
77Se34 + 9 D* --> 76Se34 + 19F9 + 120.361 MeV [24.927 MeV] (A_Se:512)
77Se34 + 9 D* --> 79Br35 + 16O8 + 124.427 MeV [28.993 MeV] (A_Se:513)
77Se34 + 9 D* --> 80Kr36 + 15N7 + 121.413 MeV [25.979 MeV] (A_Se:514)
77Se34 + 9 D* --> 84Sr38 + 11B5 + 115.598 MeV [20.164 MeV] (A_Se:515)
77Se34 + 9 D* --> 94Mo42 + 1H1 + 124.743 MeV [29.309 MeV] (A_Se:516)

77Se34 + 10 D* --> 49Ti22 + 48Ti22 + 153.804 MeV [45.993 MeV] (A_Se:517)
77Se34 + 10 D* --> 50Ti22 + 47Ti22 + 153.117 MeV [45.306 MeV] (A_Se:518)
77Se34 + 10 D* --> 53Cr24 + 44Ca20 + 153.511 MeV [45.700 MeV] (A_Se:519)
77Se34 + 10 D* --> 54Cr24 + 43Ca20 + 152.099 MeV [44.288 MeV] (A_Se:520)
77Se34 + 10 D* --> 57Fe26 + 40Ar18 + 151.978 MeV [44.166 MeV] (A_Se:521)
77Se34 + 10 D* --> 61Ni28 + 36S16 + 151.643 MeV [43.831 MeV] (A_Se:522)
77Se34 + 10 D* --> 64Ni28 + 33S16 + 150.443 MeV [42.632 MeV] (A_Se:523)
77Se34 + 10 D* --> 67Zn30 + 30Si14 + 149.071 MeV [41.260 MeV] (A_Se:524)
77Se34 + 10 D* --> 68Zn30 + 29Si14 + 148.660 MeV [40.849 MeV] (A_Se:525)
77Se34 + 10 D* --> 72Ge32 + 25Mg12 + 142.536 MeV [34.725 MeV] (A_Se:526)
77Se34 + 10 D* --> 73Ge32 + 24Mg12 + 141.989 MeV [34.178 MeV] (A_Se:527)
77Se34 + 10 D* --> 76Se34 + 21Ne10 + 137.741 MeV [29.930 MeV] (A_Se:528)
77Se34 + 10 D* --> 77Se34 + 20Ne10 + 138.399 MeV [30.588 MeV] (A_Se:529)
77Se34 + 10 D* --> 80Kr36 + 17O8 + 135.459 MeV [27.648 MeV] (A_Se:530)
77Se34 + 10 D* --> 84Sr38 + 13C6 + 134.276 MeV [26.465 MeV] (A_Se:531)
77Se34 + 10 D* --> 94Mo42 + 3He2 + 130.236 MeV [22.425 MeV] (A_Se:532)

77Se34 + 11 D* --> 50V23 + 49Ti22 + 167.674 MeV [47.146 MeV] (A_Se:533)
77Se34 + 11 D* --> 51V23 + 48Ti22 + 170.582 MeV [50.055 MeV] (A_Se:534)
77Se34 + 11 D* --> 54Cr24 + 45Sc21 + 167.894 MeV [47.366 MeV] (A_Se:535)
77Se34 + 11 D* --> 55Mn25 + 44Ca20 + 169.072 MeV [48.545 MeV] (A_Se:536)
77Se34 + 11 D* --> 58Fe26 + 41K19 + 167.606 MeV [47.078 MeV] (A_Se:537)
77Se34 + 11 D* --> 59Co27 + 40Ar18 + 167.162 MeV [46.634 MeV] (A_Se:538)
77Se34 + 11 D* --> 62Ni28 + 37Cl17 + 168.401 MeV [47.873 MeV] (A_Se:539)
77Se34 + 11 D* --> 64Ni28 + 35Cl17 + 166.006 MeV [45.479 MeV] (A_Se:540)
77Se34 + 11 D* --> 63Cu29 + 36S16 + 166.137 MeV [45.609 MeV] (A_Se:541)
77Se34 + 11 D* --> 65Cu29 + 34S16 + 167.089 MeV [46.561 MeV] (A_Se:542)
77Se34 + 11 D* --> 68Zn30 + 31P15 + 164.341 MeV [43.814 MeV] (A_Se:543)
77Se34 + 11 D* --> 69Ga31 + 30Si14 + 163.654 MeV [43.127 MeV] (A_Se:544)
77Se34 + 11 D* --> 71Ga31 + 28Si14 + 161.526 MeV [40.999 MeV] (A_Se:545)
77Se34 + 11 D* --> 72Ge32 + 27Al13 + 159.676 MeV [39.148 MeV] (A_Se:546)
77Se34 + 11 D* --> 75As33 + 24Mg12 + 156.859 MeV [36.332 MeV] (A_Se:547)
77Se34 + 11 D* --> 76Se34 + 23Na11 + 154.675 MeV [34.148 MeV] (A_Se:548)
77Se34 + 11 D* --> 79Br35 + 20Ne10 + 153.004 MeV [32.476 MeV] (A_Se:549)
77Se34 + 11 D* --> 80Kr36 + 19F9 + 149.273 MeV [28.746 MeV] (A_Se:550)
77Se34 + 11 D* --> 84Sr38 + 15N7 + 150.436 MeV [29.908 MeV] (A_Se:551)
77Se34 + 11 D* --> 92Mo42 + 7Li3 + 141.790 MeV [21.263 MeV] (A_Se:552)
77Se34 + 11 D* --> 98Ru44 + 1H1 + 150.829 MeV [30.301 MeV] (A_Se:553)

77Se34 + 12 D* --> 51V23 + 50V23 + 184.452 MeV [50.873 MeV] (A_Se:554)
77Se34 + 12 D* --> 52Cr24 + 49Ti22 + 187.005 MeV [53.426 MeV] (A_Se:555)
77Se34 + 12 D* --> 53Cr24 + 48Ti22 + 186.802 MeV [53.222 MeV] (A_Se:556)
77Se34 + 12 D* --> 54Cr24 + 47Ti22 + 184.894 MeV [51.315 MeV] (A_Se:557)
77Se34 + 12 D* --> 57Fe26 + 44Ca20 + 184.678 MeV [51.098 MeV] (A_Se:558)
77Se34 + 12 D* --> 58Fe26 + 43Ca20 + 183.591 MeV [50.012 MeV] (A_Se:559)
77Se34 + 12 D* --> 61Ni28 + 40Ar18 + 182.290 MeV [48.711 MeV] (A_Se:560)
77Se34 + 12 D* --> 67Zn30 + 34S16 + 180.841 MeV [47.262 MeV] (A_Se:561)
77Se34 + 12 D* --> 68Zn30 + 33S16 + 179.622 MeV [46.043 MeV] (A_Se:562)
77Se34 + 12 D* --> 72Ge32 + 29Si14 + 177.510 MeV [43.931 MeV] (A_Se:563)
77Se34 + 12 D* --> 73Ge32 + 28Si14 + 175.819 MeV [42.240 MeV] (A_Se:564)
77Se34 + 12 D* --> 76Se34 + 25Mg12 + 171.474 MeV [37.895 MeV] (A_Se:565)
77Se34 + 12 D* --> 77Se34 + 24Mg12 + 171.562 MeV [37.983 MeV] (A_Se:566)
77Se34 + 12 D* --> 80Kr36 + 21Ne10 + 166.653 MeV [33.074 MeV] (A_Se:567)
77Se34 + 12 D* --> 84Sr38 + 17O8 + 164.482 MeV [30.902 MeV] (A_Se:568)
77Se34 + 12 D* --> 92Mo42 + 9Be4 + 158.486 MeV [24.907 MeV] (A_Se:569)
77Se34 + 12 D* --> 98Ru44 + 3He2 + 156.322 MeV [22.743 MeV] (A_Se:570)

78Se34 + 2 D* --> 46Ca20 + 36S16 + 23.045 MeV [4.483 MeV] (A_Se:571)
78Se34 + 2 D* --> 48Ca20 + 34S16 + 23.391 MeV [4.830 MeV] (A_Se:572)
78Se34 + 2 D* --> 64Ni28 + 18O8 + 17.126 MeV [-1.435 MeV] (A_Se:573)
78Se34 + 2 D* --> 70Zn30 + 12C6 + 18.810 MeV [00.249 MeV] (A_Se:574)
78Se34 + 2 D* --> 71Ga31 + 11B5 + 10.718 MeV [-7.844 MeV] (A_Se:575)
78Se34 + 2 D* --> 73Ge32 + 9Be4 + 9.195 MeV [-9.366 MeV] (A_Se:576)
78Se34 + 2 D* --> 75As33 + 7Li3 + 7.370 MeV [-11.192 MeV] (A_Se:577)
78Se34 + 2 D* --> 78Se34 + 4He2 + 23.847 MeV [5.285 MeV] (A_Se:578)
78Se34 + 2 D* --> 81Br35 + 1H1 + 19.931 MeV [1.370 MeV] (A_Se:579)
78Se34 + 2 D* --> 82Kr36 + 29.835 MeV [11.273 MeV] (A_Se:580)

78Se34 + 3 D* --> 70Zn30 + 14N7 + 29.082 MeV [00.674 MeV] (A_Se:581)
78Se34 + 3 D* --> 71Ga31 + 13C6 + 29.396 MeV [00.988 MeV] (A_Se:582)
78Se34 + 3 D* --> 73Ge32 + 11B5 + 25.011 MeV [-3.398 MeV] (A_Se:583)
78Se34 + 3 D* --> 74Ge32 + 10B5 + 23.753 MeV [-4.656 MeV] (A_Se:584)
78Se34 + 3 D* --> 75As33 + 9Be4 + 24.066 MeV [-4.343 MeV] (A_Se:585)
78Se34 + 3 D* --> 77Se34 + 7Li3 + 22.073 MeV [-6.336 MeV] (A_Se:586)
78Se34 + 3 D* --> 78Se34 + 6Li3 + 25.320 MeV [-3.088 MeV] (A_Se:587)
78Se34 + 3 D* --> 81Br35 + 3He2 + 25.425 MeV [-2.984 MeV] (A_Se:588)
78Se34 + 3 D* --> 82Kr36 + 2H1 + 29.835 MeV [1.426 MeV] (A_Se:589)
78Se34 + 3 D* --> 83Kr36 + 1H1 + 35.074 MeV [6.665 MeV] (A_Se:590)

78Se34 + 4 D* --> 46Ca20 + 40Ar18 + 53.692 MeV [15.066 MeV] (A_Se:591)
78Se34 + 4 D* --> 48Ca20 + 38Ar18 + 54.445 MeV [15.819 MeV] (A_Se:592)
78Se34 + 4 D* --> 50Ti22 + 36S16 + 57.608 MeV [18.981 MeV] (A_Se:593)
78Se34 + 4 D* --> 64Ni28 + 22Ne10 + 50.641 MeV [12.015 MeV] (A_Se:594)
78Se34 + 4 D* --> 68Zn30 + 18O8 + 46.306 MeV [7.679 MeV] (A_Se:595)
78Se34 + 4 D* --> 70Zn30 + 16O8 + 49.818 MeV [11.192 MeV] (A_Se:596)
78Se34 + 4 D* --> 71Ga31 + 15N7 + 45.556 MeV [6.929 MeV] (A_Se:597)
78Se34 + 4 D* --> 73Ge32 + 13C6 + 43.689 MeV [5.063 MeV] (A_Se:598)
78Se34 + 4 D* --> 74Ge32 + 12C6 + 48.939 MeV [10.313 MeV] (A_Se:599)
78Se34 + 4 D* --> 75As33 + 11B5 + 39.881 MeV [1.255 MeV] (A_Se:600)
78Se34 + 4 D* --> 77Se34 + 9Be4 + 38.769 MeV [00.143 MeV] (A_Se:601)
78Se34 + 4 D* --> 79Br35 + 7Li3 + 36.677 MeV [-1.949 MeV] (A_Se:602)

78Se34 + 4 D* --> 82Kr36 + 4He2 + 53.681 MeV [15.055 MeV] (A_Se:603)
78Se34 + 4 D* --> 83Kr36 + 3He2 + 40.567 MeV [1.941 MeV] (A_Se:604)
78Se34 + 4 D* --> 85Rb37 + 1H1 + 50.395 MeV [11.769 MeV] (A_Se:605)
78Se34 + 4 D* --> 86Sr38 + 60.040 MeV [21.414 MeV] (A_Se:606)

78Se34 + 5 D* --> 48Ca20 + 40K19 + 66.402 MeV [17.193 MeV] (A_Se:607)
78Se34 + 5 D* --> 71Ga31 + 17O8 + 59.602 MeV [10.393 MeV] (A_Se:608)
78Se34 + 5 D* --> 73Ge32 + 15N7 + 59.849 MeV [10.640 MeV] (A_Se:609)
78Se34 + 5 D* --> 74Ge32 + 14N7 + 59.212 MeV [10.002 MeV] (A_Se:610)
78Se34 + 5 D* --> 75As33 + 13C6 + 58.560 MeV [9.351 MeV] (A_Se:611)
78Se34 + 5 D* --> 77Se34 + 11B5 + 54.584 MeV [5.375 MeV] (A_Se:612)
78Se34 + 5 D* --> 78Se34 + 10B5 + 53.628 MeV [4.419 MeV] (A_Se:613)
78Se34 + 5 D* --> 79Br35 + 9Be4 + 53.373 MeV [4.164 MeV] (A_Se:614)
78Se34 + 5 D* --> 82Kr36 + 6Li3 + 55.155 MeV [5.946 MeV] (A_Se:615)
78Se34 + 5 D* --> 85Rb37 + 3He2 + 55.889 MeV [6.680 MeV] (A_Se:616)
78Se34 + 5 D* --> 86Sr38 + 2H1 + 60.040 MeV [10.831 MeV] (A_Se:617)
78Se34 + 5 D* --> 87Sr38 + 1H1 + 66.244 MeV [17.035 MeV] (A_Se:618)

78Se34 + 6 D* --> 46Ca20 + 44Ca20 + 86.392 MeV [26.239 MeV] (A_Se:619)
78Se34 + 6 D* --> 48Ca20 + 42Ca20 + 84.549 MeV [24.397 MeV] (A_Se:620)
78Se34 + 6 D* --> 50Ti22 + 40Ar18 + 88.255 MeV [28.102 MeV] (A_Se:621)
78Se34 + 6 D* --> 54Cr24 + 36S16 + 89.385 MeV [29.232 MeV] (A_Se:622)
78Se34 + 6 D* --> 64Ni28 + 26Mg12 + 85.102 MeV [24.950 MeV] (A_Se:623)
78Se34 + 6 D* --> 68Zn30 + 22Ne10 + 79.820 MeV [19.668 MeV] (A_Se:624)
78Se34 + 6 D* --> 70Zn30 + 20Ne10 + 78.395 MeV [18.242 MeV] (A_Se:625)
78Se34 + 6 D* --> 71Ga31 + 19F9 + 73.416 MeV [13.263 MeV] (A_Se:626)
78Se34 + 6 D* --> 72Ge32 + 18O8 + 75.156 MeV [15.003 MeV] (A_Se:627)
78Se34 + 6 D* --> 73Ge32 + 17O8 + 73.895 MeV [13.742 MeV] (A_Se:628)
78Se34 + 6 D* --> 74Ge32 + 16O8 + 79.948 MeV [19.795 MeV] (A_Se:629)
78Se34 + 6 D* --> 75As33 + 15N7 + 74.719 MeV [14.567 MeV] (A_Se:630)
78Se34 + 6 D* --> 77Se34 + 13C6 + 73.263 MeV [13.110 MeV] (A_Se:631)
78Se34 + 6 D* --> 78Se34 + 12C6 + 78.814 MeV [18.662 MeV] (A_Se:632)
78Se34 + 6 D* --> 79Br35 + 11B5 + 69.189 MeV [9.036 MeV] (A_Se:633)
78Se34 + 6 D* --> 86Sr38 + 4He2 + 83.887 MeV [23.734 MeV] (A_Se:634)
78Se34 + 6 D* --> 87Sr38 + 3He2 + 71.737 MeV [11.585 MeV] (A_Se:635)
78Se34 + 6 D* --> 89Y39 + 1H1 + 82.201 MeV [22.048 MeV] (A_Se:636)
78Se34 + 6 D* --> 90Zr40 + 90.556 MeV [30.403 MeV] (A_Se:637)

78Se34 + 7 D* --> 71Ga31 + 21Ne10 + 90.796 MeV [19.344 MeV] (A_Se:638)
78Se34 + 7 D* --> 73Ge32 + 19F9 + 87.709 MeV [16.257 MeV] (A_Se:639)
78Se34 + 7 D* --> 75As33 + 17O8 + 88.765 MeV [17.313 MeV] (A_Se:640)
78Se34 + 7 D* --> 77Se34 + 15N7 + 89.422 MeV [17.970 MeV] (A_Se:641)
78Se34 + 7 D* --> 78Se34 + 14N7 + 89.087 MeV [17.635 MeV] (A_Se:642)
78Se34 + 7 D* --> 79Br35 + 13C6 + 87.867 MeV [16.415 MeV] (A_Se:643)
78Se34 + 7 D* --> 82Kr36 + 10B5 + 83.463 MeV [12.011 MeV] (A_Se:644)
78Se34 + 7 D* --> 86Sr38 + 6Li3 + 85.361 MeV [13.909 MeV] (A_Se:645)
78Se34 + 7 D* --> 89Y39 + 3He2 + 87.694 MeV [16.242 MeV] (A_Se:646)
78Se34 + 7 D* --> 90Zr40 + 2H1 + 90.556 MeV [19.103 MeV] (A_Se:647)
78Se34 + 7 D* --> 91Zr40 + 1H1 + 95.525 MeV [24.073 MeV] (A_Se:648)

78Se34 + 8 D* --> 48Ca20 + 46Ti22 + 116.397 MeV [33.294 MeV] (A_Se:649)
78Se34 + 8 D* --> 48Ti22 + 46Ca20 + 119.682 MeV [36.579 MeV] (A_Se:650)
78Se34 + 8 D* --> 50Ti22 + 44Ca20 + 120.955 MeV [37.852 MeV] (A_Se:651)
78Se34 + 8 D* --> 54Cr24 + 40Ar18 + 120.032 MeV [36.929 MeV] (A_Se:652)

78Se34 + 8 D* --> 58Fe26 + 36S16 + 120.877 MeV [37.774 MeV] (A_Se:653)
78Se34 + 8 D* --> 64Ni28 + 30Si14 + 119.592 MeV [36.489 MeV] (A_Se:654)
78Se34 + 8 D* --> 68Zn30 + 26Mg12 + 114.281 MeV [31.178 MeV] (A_Se:655)
78Se34 + 8 D* --> 70Zn30 + 24Mg12 + 111.558 MeV [28.455 MeV] (A_Se:656)
78Se34 + 8 D* --> 71Ga31 + 23Na11 + 107.730 MeV [24.627 MeV] (A_Se:657)
78Se34 + 8 D* --> 72Ge32 + 22Ne10 + 108.670 MeV [25.567 MeV] (A_Se:658)
78Se34 + 8 D* --> 73Ge32 + 21Ne10 + 105.089 MeV [21.986 MeV] (A_Se:659)
78Se34 + 8 D* --> 74Ge32 + 20Ne10 + 108.524 MeV [25.421 MeV] (A_Se:660)
78Se34 + 8 D* --> 75As33 + 19F9 + 102.579 MeV [19.476 MeV] (A_Se:661)
78Se34 + 8 D* --> 76Se34 + 18O8 + 104.093 MeV [20.990 MeV] (A_Se:662)
78Se34 + 8 D* --> 77Se34 + 17O8 + 103.468 MeV [20.365 MeV] (A_Se:663)
78Se34 + 8 D* --> 78Se34 + 16O8 + 109.823 MeV [26.720 MeV] (A_Se:664)
78Se34 + 8 D* --> 79Br35 + 15N7 + 104.027 MeV [20.924 MeV] (A_Se:665)
78Se34 + 8 D* --> 82Kr36 + 12C6 + 108.649 MeV [25.546 MeV] (A_Se:666)
78Se34 + 8 D* --> 90Zr40 + 4He2 + 114.402 MeV [31.299 MeV] (A_Se:667)
78Se34 + 8 D* --> 91Zr40 + 3He2 + 101.019 MeV [17.916 MeV] (A_Se:668)
78Se34 + 8 D* --> 93Nb41 + 1H1 + 107.979 MeV [24.876 MeV] (A_Se:669)
78Se34 + 8 D* --> 94Mo42 + 116.469 MeV [33.366 MeV] (A_Se:670)

78Se34 + 9 D* --> 50V23 + 46Ca20 + 133.552 MeV [38.451 MeV] (A_Se:671)
78Se34 + 9 D* --> 71Ga31 + 25Mg12 + 124.528 MeV [29.427 MeV] (A_Se:672)
78Se34 + 9 D* --> 73Ge32 + 23Na11 + 122.023 MeV [26.921 MeV] (A_Se:673)
78Se34 + 9 D* --> 75As33 + 21Ne10 + 119.960 MeV [24.858 MeV] (A_Se:674)
78Se34 + 9 D* --> 77Se34 + 19F9 + 117.282 MeV [22.181 MeV] (A_Se:675)
78Se34 + 9 D* --> 79Br35 + 17O8 + 118.073 MeV [22.971 MeV] (A_Se:676)
78Se34 + 9 D* --> 82Kr36 + 14N7 + 118.922 MeV [23.820 MeV] (A_Se:677)
78Se34 + 9 D* --> 86Sr38 + 10B5 + 113.668 MeV [18.567 MeV] (A_Se:678)
78Se34 + 9 D* --> 90Zr40 + 6Li3 + 115.876 MeV [20.774 MeV] (A_Se:679)
78Se34 + 9 D* --> 93Nb41 + 3He2 + 113.472 MeV [18.371 MeV] (A_Se:680)
78Se34 + 9 D* --> 94Mo42 + 2H1 + 116.469 MeV [21.368 MeV] (A_Se:681)
78Se34 + 9 D* --> 95Mo42 + 1H1 + 121.614 MeV [26.512 MeV] (A_Se:682)

78Se34 + 10 D* --> 49Ti22 + 49Ti22 + 151.449 MeV [44.006 MeV] (A_Se:683)
78Se34 + 10 D* --> 50Ti22 + 48Ti22 + 154.246 MeV [46.802 MeV] (A_Se:684)
78Se34 + 10 D* --> 50Cr24 + 48Ca20 + 148.805 MeV [41.362 MeV] (A_Se:685)
78Se34 + 10 D* --> 52Cr24 + 46Ca20 + 152.883 MeV [45.440 MeV] (A_Se:686)
78Se34 + 10 D* --> 54Cr24 + 44Ca20 + 152.732 MeV [45.289 MeV] (A_Se:687)
78Se34 + 10 D* --> 58Fe26 + 40Ar18 + 151.524 MeV [44.081 MeV] (A_Se:688)
78Se34 + 10 D* --> 62Ni28 + 36S16 + 151.741 MeV [44.298 MeV] (A_Se:689)
78Se34 + 10 D* --> 64Ni28 + 34S16 + 151.362 MeV [43.919 MeV] (A_Se:690)
78Se34 + 10 D* --> 68Zn30 + 30Si14 + 148.771 MeV [41.328 MeV] (A_Se:691)
78Se34 + 10 D* --> 70Zn30 + 28Si14 + 145.389 MeV [37.945 MeV] (A_Se:692)
78Se34 + 10 D* --> 71Ga31 + 27Al13 + 141.668 MeV [34.225 MeV] (A_Se:693)
78Se34 + 10 D* --> 72Ge32 + 26Mg12 + 143.132 MeV [35.688 MeV] (A_Se:694)
78Se34 + 10 D* --> 73Ge32 + 25Mg12 + 138.821 MeV [31.378 MeV] (A_Se:695)
78Se34 + 10 D* --> 74Ge32 + 24Mg12 + 141.687 MeV [34.244 MeV] (A_Se:696)
78Se34 + 10 D* --> 75As33 + 23Na11 + 136.893 MeV [29.450 MeV] (A_Se:697)
78Se34 + 10 D* --> 76Se34 + 22Ne10 + 137.608 MeV [30.165 MeV] (A_Se:698)
78Se34 + 10 D* --> 77Se34 + 21Ne10 + 134.663 MeV [27.219 MeV] (A_Se:699)
78Se34 + 10 D* --> 78Se34 + 20Ne10 + 138.399 MeV [30.956 MeV] (A_Se:700)
78Se34 + 10 D* --> 79Br35 + 19F9 + 131.887 MeV [24.444 MeV] (A_Se:701)
78Se34 + 10 D* --> 80Kr36 + 18O8 + 133.005 MeV [25.562 MeV] (A_Se:702)
78Se34 + 10 D* --> 82Kr36 + 16O8 + 139.658 MeV [32.214 MeV] (A_Se:703)
78Se34 + 10 D* --> 86Sr38 + 12C6 + 138.855 MeV [31.412 MeV] (A_Se:704)

78Se34 + 10 D* --> 94Mo42 + 4He2 + 140.316 MeV [32.873 MeV] (A_Se:705)
78Se34 + 10 D* --> 95Mo42 + 3He2 + 127.107 MeV [19.664 MeV] (A_Se:706)
78Se34 + 10 D* --> 98Ru44 + 142.556 MeV [35.112 MeV] (A_Se:707)

78Se34 + 11 D* --> 50Ti22 + 50V23 + 168.115 MeV [47.991 MeV] (A_Se:708)
78Se34 + 11 D* --> 50V23 + 50Ti22 + 168.115 MeV [47.991 MeV] (A_Se:709)
78Se34 + 11 D* --> 51V23 + 49Ti22 + 168.227 MeV [48.103 MeV] (A_Se:710)
78Se34 + 11 D* --> 71Ga31 + 29Si14 + 159.502 MeV [39.378 MeV] (A_Se:711)
78Se34 + 11 D* --> 73Ge32 + 27Al13 + 155.961 MeV [35.837 MeV] (A_Se:712)
78Se34 + 11 D* --> 75As33 + 25Mg12 + 153.692 MeV [33.568 MeV] (A_Se:713)
78Se34 + 11 D* --> 77Se34 + 23Na11 + 151.596 MeV [31.472 MeV] (A_Se:714)
78Se34 + 11 D* --> 79Br35 + 21Ne10 + 149.267 MeV [29.143 MeV] (A_Se:715)
78Se34 + 11 D* --> 86Sr38 + 14N7 + 149.127 MeV [29.003 MeV] (A_Se:716)
78Se34 + 11 D* --> 90Zr40 + 10B5 + 144.183 MeV [24.059 MeV] (A_Se:717)
78Se34 + 11 D* --> 94Mo42 + 6Li3 + 141.790 MeV [21.665 MeV] (A_Se:718)
78Se34 + 11 D* --> 98Ru44 + 2H1 + 142.556 MeV [22.431 MeV] (A_Se:719)
78Se34 + 11 D* --> 99Ru44 + 1H1 + 147.795 MeV [27.670 MeV] (A_Se:720)

78Se34 + 12 D* --> 51V23 + 51V23 + 185.005 MeV [51.864 MeV] (A_Se:721)
78Se34 + 12 D* --> 52Cr24 + 50Ti22 + 187.446 MeV [54.305 MeV] (A_Se:722)
78Se34 + 12 D* --> 53Cr24 + 49Ti22 + 184.446 MeV [51.305 MeV] (A_Se:723)
78Se34 + 12 D* --> 54Cr24 + 48Ti22 + 186.023 MeV [52.882 MeV] (A_Se:724)
78Se34 + 12 D* --> 54Fe26 + 48Ca20 + 181.069 MeV [47.928 MeV] (A_Se:725)
78Se34 + 12 D* --> 56Fe26 + 46Ca20 + 184.343 MeV [51.202 MeV] (A_Se:726)
78Se34 + 12 D* --> 58Fe26 + 44Ca20 + 184.224 MeV [51.083 MeV] (A_Se:727)
78Se34 + 12 D* --> 62Ni28 + 40Ar18 + 182.389 MeV [49.247 MeV] (A_Se:728)
78Se34 + 12 D* --> 64Ni28 + 38Ar18 + 182.416 MeV [49.275 MeV] (A_Se:729)
78Se34 + 12 D* --> 65Cu29 + 37Cl17 + 179.628 MeV [46.486 MeV] (A_Se:730)
78Se34 + 12 D* --> 66Zn30 + 36S16 + 180.166 MeV [47.025 MeV] (A_Se:731)
78Se34 + 12 D* --> 68Zn30 + 34S16 + 180.542 MeV [47.400 MeV] (A_Se:732)
78Se34 + 12 D* --> 70Zn30 + 32S16 + 176.183 MeV [43.042 MeV] (A_Se:733)
78Se34 + 12 D* --> 71Ga31 + 31P15 + 175.184 MeV [42.042 MeV] (A_Se:734)
78Se34 + 12 D* --> 72Ge32 + 30Si14 + 177.621 MeV [44.480 MeV] (A_Se:735)
78Se34 + 12 D* --> 73Ge32 + 29Si14 + 173.795 MeV [40.654 MeV] (A_Se:736)
78Se34 + 12 D* --> 74Ge32 + 28Si14 + 175.518 MeV [42.376 MeV] (A_Se:737)
78Se34 + 12 D* --> 75As33 + 27Al13 + 170.832 MeV [37.690 MeV] (A_Se:738)
78Se34 + 12 D* --> 76Se34 + 26Mg12 + 172.069 MeV [38.928 MeV] (A_Se:739)
78Se34 + 12 D* --> 77Se34 + 25Mg12 + 168.395 MeV [35.254 MeV] (A_Se:740)
78Se34 + 12 D* --> 78Se34 + 24Mg12 + 171.562 MeV [38.421 MeV] (A_Se:741)
78Se34 + 12 D* --> 79Br35 + 23Na11 + 166.201 MeV [33.060 MeV] (A_Se:742)
78Se34 + 12 D* --> 80Kr36 + 22Ne10 + 166.520 MeV [33.378 MeV] (A_Se:743)
78Se34 + 12 D* --> 82Kr36 + 20Ne10 + 168.234 MeV [35.093 MeV] (A_Se:744)
78Se34 + 12 D* --> 84Sr38 + 18O8 + 162.028 MeV [28.887 MeV] (A_Se:745)
78Se34 + 12 D* --> 86Sr38 + 16O8 + 169.863 MeV [36.722 MeV] (A_Se:746)
78Se34 + 12 D* --> 90Zr40 + 12C6 + 169.370 MeV [36.229 MeV] (A_Se:747)
78Se34 + 12 D* --> 98Ru44 + 4He2 + 166.402 MeV [33.261 MeV] (A_Se:748)
78Se34 + 12 D* --> 99Ru44 + 3He2 + 153.288 MeV [20.147 MeV] (A_Se:749)
78Se34 + 12 D* --> 102Pd46 + 168.528 MeV [35.386 MeV] (A_Se:750)

80Se34 + 2 D* --> 48Ca20 + 36S16 + 23.390 MeV [4.977 MeV] (A_Se:751)
80Se34 + 2 D* --> 80Se34 + 4He2 + 23.847 MeV [5.434 MeV] (A_Se:752)
80Se34 + 2 D* --> 84Kr36 + 30.942 MeV [12.530 MeV] (A_Se:753)

80Se34 + 3 D* --> 76Ge32 + 10B5 + 22.810 MeV [-5.377 MeV] (A_Se:754)
80Se34 + 3 D* --> 80Se34 + 6Li3 + 25.320 MeV [-2.866 MeV] (A_Se:755)
80Se34 + 3 D* --> 84Kr36 + 2H1 + 30.942 MeV [2.756 MeV] (A_Se:756)

80Se34 + 4 D* --> 48Ca20 + 40Ar18 + 54.037 MeV [15.706 MeV] (A_Se:757)
80Se34 + 4 D* --> 70Zn30 + 18O8 + 45.129 MeV [6.798 MeV] (A_Se:758)
80Se34 + 4 D* --> 76Ge32 + 12C6 + 47.996 MeV [9.665 MeV] (A_Se:759)
80Se34 + 4 D* --> 81Br35 + 7Li3 + 37.850 MeV [-0.482 MeV] (A_Se:760)
80Se34 + 4 D* --> 84Kr36 + 4He2 + 54.789 MeV [16.458 MeV] (A_Se:761)
80Se34 + 4 D* --> 87Rb37 + 1H1 + 52.092 MeV [13.760 MeV] (A_Se:762)
80Se34 + 4 D* --> 88Sr38 + 62.705 MeV [24.373 MeV] (A_Se:763)

80Se34 + 5 D* --> 76Ge32 + 14N7 + 58.268 MeV [9.426 MeV] (A_Se:764)
80Se34 + 5 D* --> 80Se34 + 10B5 + 53.628 MeV [4.786 MeV] (A_Se:765)
80Se34 + 5 D* --> 81Br35 + 9Be4 + 54.546 MeV [5.704 MeV] (A_Se:766)
80Se34 + 5 D* --> 83Kr36 + 7Li3 + 52.992 MeV [4.150 MeV] (A_Se:767)
80Se34 + 5 D* --> 84Kr36 + 6Li3 + 56.263 MeV [7.421 MeV] (A_Se:768)
80Se34 + 5 D* --> 87Rb37 + 3He2 + 57.585 MeV [8.743 MeV] (A_Se:769)
80Se34 + 5 D* --> 88Sr38 + 2H1 + 62.705 MeV [13.863 MeV] (A_Se:770)

80Se34 + 6 D* --> 46Ca20 + 46Ca20 + 87.325 MeV [27.611 MeV] (A_Se:771)
80Se34 + 6 D* --> 48Ca20 + 44Ca20 + 86.737 MeV [27.024 MeV] (A_Se:772)
80Se34 + 6 D* --> 70Zn30 + 22Ne10 + 78.644 MeV [18.930 MeV] (A_Se:773)
80Se34 + 6 D* --> 74Ge32 + 18O8 + 75.258 MeV [15.545 MeV] (A_Se:774)
80Se34 + 6 D* --> 76Ge32 + 16O8 + 79.004 MeV [19.291 MeV] (A_Se:775)
80Se34 + 6 D* --> 80Se34 + 12C6 + 78.814 MeV [19.101 MeV] (A_Se:776)
80Se34 + 6 D* --> 81Br35 + 11B5 + 70.361 MeV [10.648 MeV] (A_Se:777)
80Se34 + 6 D* --> 83Kr36 + 9Be4 + 69.688 MeV [9.975 MeV] (A_Se:778)
80Se34 + 6 D* --> 85Rb37 + 7Li3 + 68.314 MeV [8.600 MeV] (A_Se:779)
80Se34 + 6 D* --> 88Sr38 + 4He2 + 86.551 MeV [26.838 MeV] (A_Se:780)
80Se34 + 6 D* --> 92Zr40 + 89.508 MeV [29.795 MeV] (A_Se:781)

80Se34 + 7 D* --> 80Se34 + 14N7 + 89.087 MeV [18.145 MeV] (A_Se:782)
80Se34 + 7 D* --> 81Br35 + 13C6 + 89.040 MeV [18.098 MeV] (A_Se:783)
80Se34 + 7 D* --> 83Kr36 + 11B5 + 85.504 MeV [14.562 MeV] (A_Se:784)
80Se34 + 7 D* --> 84Kr36 + 10B5 + 84.570 MeV [13.629 MeV] (A_Se:785)
80Se34 + 7 D* --> 85Rb37 + 9Be4 + 85.010 MeV [14.068 MeV] (A_Se:786)
80Se34 + 7 D* --> 87Sr38 + 7Li3 + 84.162 MeV [13.221 MeV] (A_Se:787)
80Se34 + 7 D* --> 88Sr38 + 6Li3 + 88.025 MeV [17.083 MeV] (A_Se:788)
80Se34 + 7 D* --> 92Zr40 + 2H1 + 89.508 MeV [18.567 MeV] (A_Se:789)

80Se34 + 8 D* --> 48Ca20 + 48Ti22 + 120.028 MeV [37.506 MeV] (A_Se:790)
80Se34 + 8 D* --> 48Ti22 + 48Ca20 + 120.028 MeV [37.506 MeV] (A_Se:791)
80Se34 + 8 D* --> 50Ti22 + 46Ca20 + 121.888 MeV [39.366 MeV] (A_Se:792)
80Se34 + 8 D* --> 70Zn30 + 26Mg12 + 113.105 MeV [30.583 MeV] (A_Se:793)
80Se34 + 8 D* --> 74Ge32 + 22Ne10 + 108.773 MeV [26.251 MeV] (A_Se:794)
80Se34 + 8 D* --> 76Ge32 + 20Ne10 + 107.581 MeV [25.059 MeV] (A_Se:795)
80Se34 + 8 D* --> 78Se34 + 18O8 + 105.133 MeV [22.612 MeV] (A_Se:796)
80Se34 + 8 D* --> 80Se34 + 16O8 + 109.823 MeV [27.301 MeV] (A_Se:797)
80Se34 + 8 D* --> 81Br35 + 15N7 + 105.199 MeV [22.677 MeV] (A_Se:798)
80Se34 + 8 D* --> 83Kr36 + 13C6 + 104.183 MeV [21.661 MeV] (A_Se:799)
80Se34 + 8 D* --> 84Kr36 + 12C6 + 109.757 MeV [27.235 MeV] (A_Se:800)
80Se34 + 8 D* --> 85Rb37 + 11B5 + 100.825 MeV [18.303 MeV] (A_Se:801)
80Se34 + 8 D* --> 87Sr38 + 9Be4 + 100.859 MeV [18.337 MeV] (A_Se:802)

80Se34 + 8 D* --> 89Y39 + 7Li3 + 100.119 MeV [17.598 MeV] (A_Se:803)
80Se34 + 8 D* --> 92Zr40 + 4He2 + 113.355 MeV [30.833 MeV] (A_Se:804)
80Se34 + 8 D* --> 96Mo42 + 116.116 MeV [33.594 MeV] (A_Se:805)

80Se34 + 9 D* --> 50V23 + 48Ca20 + 133.897 MeV [39.447 MeV] (A_Se:806)
80Se34 + 9 D* --> 81Br35 + 17O8 + 119.245 MeV [24.795 MeV] (A_Se:807)
80Se34 + 9 D* --> 83Kr36 + 15N7 + 120.342 MeV [25.892 MeV] (A_Se:808)
80Se34 + 9 D* --> 84Kr36 + 14N7 + 120.029 MeV [25.579 MeV] (A_Se:809)
80Se34 + 9 D* --> 85Rb37 + 13C6 + 119.504 MeV [25.054 MeV] (A_Se:810)
80Se34 + 9 D* --> 87Sr38 + 11B5 + 116.674 MeV [22.224 MeV] (A_Se:811)
80Se34 + 9 D* --> 88Sr38 + 10B5 + 116.333 MeV [21.883 MeV] (A_Se:812)
80Se34 + 9 D* --> 89Y39 + 9Be4 + 116.816 MeV [22.366 MeV] (A_Se:813)
80Se34 + 9 D* --> 91Zr40 + 7Li3 + 113.444 MeV [18.994 MeV] (A_Se:814)
80Se34 + 9 D* --> 92Zr40 + 6Li3 + 114.829 MeV [20.379 MeV] (A_Se:815)
80Se34 + 9 D* --> 96Mo42 + 2H1 + 116.116 MeV [21.666 MeV] (A_Se:816)
80Se34 + 9 D* --> 97Mo42 + 1H1 + 120.713 MeV [26.263 MeV] (A_Se:817)

80Se34 + 10 D* --> 50Ti22 + 50Ti22 + 156.451 MeV [49.729 MeV] (A_Se:818)
80Se34 + 10 D* --> 52Cr24 + 48Ca20 + 153.228 MeV [46.506 MeV] (A_Se:819)
80Se34 + 10 D* --> 54Cr24 + 46Ca20 + 153.665 MeV [46.943 MeV] (A_Se:820)
80Se34 + 10 D* --> 64Ni28 + 36S16 + 151.361 MeV [44.639 MeV] (A_Se:821)
80Se34 + 10 D* --> 70Zn30 + 30Si14 + 147.595 MeV [40.873 MeV] (A_Se:822)
80Se34 + 10 D* --> 74Ge32 + 26Mg12 + 143.234 MeV [36.512 MeV] (A_Se:823)
80Se34 + 10 D* --> 76Ge32 + 24Mg12 + 140.744 MeV [34.022 MeV] (A_Se:824)
80Se34 + 10 D* --> 78Se34 + 22Ne10 + 138.648 MeV [31.926 MeV] (A_Se:825)
80Se34 + 10 D* --> 80Se34 + 20Ne10 + 138.399 MeV [31.677 MeV] (A_Se:826)
80Se34 + 10 D* --> 81Br35 + 19F9 + 133.060 MeV [26.337 MeV] (A_Se:827)
80Se34 + 10 D* --> 82Kr36 + 18O8 + 134.968 MeV [28.246 MeV] (A_Se:828)
80Se34 + 10 D* --> 83Kr36 + 17O8 + 134.388 MeV [27.666 MeV] (A_Se:829)
80Se34 + 10 D* --> 84Kr36 + 16O8 + 140.765 MeV [34.043 MeV] (A_Se:830)
80Se34 + 10 D* --> 85Rb37 + 15N7 + 135.663 MeV [28.941 MeV] (A_Se:831)
80Se34 + 10 D* --> 87Sr38 + 13C6 + 135.353 MeV [28.631 MeV] (A_Se:832)
80Se34 + 10 D* --> 88Sr38 + 12C6 + 141.519 MeV [34.797 MeV] (A_Se:833)
80Se34 + 10 D* --> 89Y39 + 11B5 + 132.631 MeV [25.909 MeV] (A_Se:834)
80Se34 + 10 D* --> 91Zr40 + 9Be4 + 130.140 MeV [23.418 MeV] (A_Se:835)
80Se34 + 10 D* --> 93Nb41 + 7Li3 + 125.897 MeV [19.175 MeV] (A_Se:836)
80Se34 + 10 D* --> 96Mo42 + 4He2 + 139.963 MeV [33.241 MeV] (A_Se:837)
80Se34 + 10 D* --> 97Mo42 + 3He2 + 126.207 MeV [19.484 MeV] (A_Se:838)
80Se34 + 10 D* --> 100Ru44 + 142.816 MeV [36.094 MeV] (A_Se:839)

80Se34 + 11 D* --> 81Br35 + 21Ne10 + 150.440 MeV [31.106 MeV] (A_Se:840)
80Se34 + 11 D* --> 83Kr36 + 19F9 + 148.202 MeV [28.868 MeV] (A_Se:841)
80Se34 + 11 D* --> 85Rb37 + 17O8 + 149.709 MeV [30.375 MeV] (A_Se:842)
80Se34 + 11 D* --> 87Sr38 + 15N7 + 151.512 MeV [32.178 MeV] (A_Se:843)
80Se34 + 11 D* --> 88Sr38 + 14N7 + 151.791 MeV [32.457 MeV] (A_Se:844)
80Se34 + 11 D* --> 89Y39 + 13C6 + 151.310 MeV [31.976 MeV] (A_Se:845)
80Se34 + 11 D* --> 91Zr40 + 11B5 + 145.955 MeV [26.621 MeV] (A_Se:846)
80Se34 + 11 D* --> 92Zr40 + 10B5 + 143.136 MeV [23.802 MeV] (A_Se:847)
80Se34 + 11 D* --> 93Nb41 + 9Be4 + 142.594 MeV [23.260 MeV] (A_Se:848)
80Se34 + 11 D* --> 95Mo42 + 7Li3 + 139.532 MeV [20.198 MeV] (A_Se:849)
80Se34 + 11 D* --> 96Mo42 + 6Li3 + 141.437 MeV [22.103 MeV] (A_Se:850)
80Se34 + 11 D* --> 100Ru44 + 2H1 + 142.816 MeV [23.482 MeV] (A_Se:851)
80Se34 + 11 D* --> 101Ru44 + 1H1 + 147.394 MeV [28.060 MeV] (A_Se:852)

80Se34 + 12 D* --> 54Cr24 + 50Ti22 + 188.228 MeV [55.946 MeV] (A_Se:853)
80Se34 + 12 D* --> 56Fe26 + 48Ca20 + 184.688 MeV [52.406 MeV] (A_Se:854)
80Se34 + 12 D* --> 58Fe26 + 46Ca20 + 185.157 MeV [52.875 MeV] (A_Se:855)
80Se34 + 12 D* --> 64Ni28 + 40Ar18 + 182.008 MeV [49.726 MeV] (A_Se:856)
80Se34 + 12 D* --> 68Zn30 + 36S16 + 180.540 MeV [48.258 MeV] (A_Se:857)
80Se34 + 12 D* --> 70Zn30 + 34S16 + 179.365 MeV [47.083 MeV] (A_Se:858)
80Se34 + 12 D* --> 74Ge32 + 30Si14 + 177.724 MeV [45.442 MeV] (A_Se:859)
80Se34 + 12 D* --> 76Ge32 + 28Si14 + 174.575 MeV [42.292 MeV] (A_Se:860)
80Se34 + 12 D* --> 78Se34 + 26Mg12 + 173.109 MeV [40.827 MeV] (A_Se:861)
80Se34 + 12 D* --> 80Se34 + 24Mg12 + 171.562 MeV [39.280 MeV] (A_Se:862)
80Se34 + 12 D* --> 81Br35 + 23Na11 + 167.373 MeV [35.091 MeV] (A_Se:863)
80Se34 + 12 D* --> 82Kr36 + 22Ne10 + 168.483 MeV [36.201 MeV] (A_Se:864)
80Se34 + 12 D* --> 83Kr36 + 21Ne10 + 165.582 MeV [33.300 MeV] (A_Se:865)
80Se34 + 12 D* --> 84Kr36 + 20Ne10 + 169.342 MeV [37.059 MeV] (A_Se:866)
80Se34 + 12 D* --> 85Rb37 + 19F9 + 163.523 MeV [31.241 MeV] (A_Se:867)
80Se34 + 12 D* --> 86Sr38 + 18O8 + 165.174 MeV [32.892 MeV] (A_Se:868)
80Se34 + 12 D* --> 87Sr38 + 17O8 + 165.558 MeV [33.276 MeV] (A_Se:869)
80Se34 + 12 D* --> 88Sr38 + 16O8 + 172.527 MeV [40.245 MeV] (A_Se:870)
80Se34 + 12 D* --> 89Y39 + 15N7 + 167.469 MeV [35.187 MeV] (A_Se:871)
80Se34 + 12 D* --> 91Zr40 + 13C6 + 164.634 MeV [32.352 MeV] (A_Se:872)
80Se34 + 12 D* --> 92Zr40 + 12C6 + 168.323 MeV [36.040 MeV] (A_Se:873)
80Se34 + 12 D* --> 93Nb41 + 11B5 + 158.409 MeV [26.127 MeV] (A_Se:874)
80Se34 + 12 D* --> 95Mo42 + 9Be4 + 156.229 MeV [23.946 MeV] (A_Se:875)
80Se34 + 12 D* --> 100Ru44 + 4He2 + 166.663 MeV [34.380 MeV] (A_Se:876)
80Se34 + 12 D* --> 101Ru44 + 3He2 + 152.887 MeV [20.605 MeV] (A_Se:877)
80Se34 + 12 D* --> 103Rh45 + 1H1 + 160.602 MeV [28.320 MeV] (A_Se:878)
80Se34 + 12 D* --> 104Pd46 + 169.259 MeV [36.976 MeV] (A_Se:879)

82Se34 + 2 D* --> 82Se34 + 4He2 + 23.847 MeV [5.577 MeV] (A_Se:880)
82Se34 + 2 D* --> 86Kr36 + 31.943 MeV [13.674 MeV] (A_Se:881)

82Se34 + 3 D* --> 82Se34 + 6Li3 + 25.320 MeV [-2.651 MeV] (A_Se:882)
82Se34 + 3 D* --> 86Kr36 + 2H1 + 31.943 MeV [3.972 MeV] (A_Se:883)

82Se34 + 4 D* --> 86Kr36 + 4He2 + 55.790 MeV [17.744 MeV] (A_Se:884)

82Se34 + 5 D* --> 82Se34 + 10B5 + 53.628 MeV [5.143 MeV] (A_Se:885)
82Se34 + 5 D* --> 86Kr36 + 6Li3 + 57.263 MeV [8.778 MeV] (A_Se:886)

82Se34 + 6 D* --> 48Ca20 + 46Ca20 + 88.570 MeV [29.283 MeV] (A_Se:887)
82Se34 + 6 D* --> 76Ge32 + 18O8 + 75.215 MeV [15.928 MeV] (A_Se:888)
82Se34 + 6 D* --> 82Se34 + 12C6 + 78.814 MeV [19.527 MeV] (A_Se:889)
82Se34 + 6 D* --> 87Rb37 + 7Li3 + 70.910 MeV [11.623 MeV] (A_Se:890)
82Se34 + 6 D* --> 94Zr40 + 88.487 MeV [29.200 MeV] (A_Se:891)

82Se34 + 7 D* --> 82Se34 + 14N7 + 89.087 MeV [18.641 MeV] (A_Se:892)
82Se34 + 7 D* --> 86Kr36 + 10B5 + 85.571 MeV [15.125 MeV] (A_Se:893)
82Se34 + 7 D* --> 87Rb37 + 9Be4 + 87.606 MeV [17.161 MeV] (A_Se:894)
82Se34 + 7 D* --> 94Zr40 + 2H1 + 88.487 MeV [18.042 MeV] (A_Se:895)

82Se34 + 8 D* --> 50Ti22 + 48Ca20 + 123.133 MeV [41.176 MeV] (A_Se:896)
82Se34 + 8 D* --> 76Ge32 + 22Ne10 + 108.730 MeV [26.773 MeV] (A_Se:897)
82Se34 + 8 D* --> 80Se34 + 18O8 + 106.033 MeV [24.077 MeV] (A_Se:898)

82Se34 + 8 D* --> 82Se34 + 16O8 + 109.823 MeV [27.866 MeV] (A_Se:899)
82Se34 + 8 D* --> 86Kr36 + 12C6 + 110.757 MeV [28.801 MeV] (A_Se:900)
82Se34 + 8 D* --> 87Rb37 + 11B5 + 103.422 MeV [21.465 MeV] (A_Se:901)
82Se34 + 8 D* --> 94Zr40 + 4He2 + 112.334 MeV [30.377 MeV] (A_Se:902)
82Se34 + 8 D* --> 98Mo42 + 115.603 MeV [33.647 MeV] (A_Se:903)

82Se34 + 9 D* --> 86Kr36 + 14N7 + 121.030 MeV [27.213 MeV] (A_Se:904)
82Se34 + 9 D* --> 87Rb37 + 13C6 + 122.100 MeV [28.284 MeV] (A_Se:905)
82Se34 + 9 D* --> 94Zr40 + 6Li3 + 113.808 MeV [19.991 MeV] (A_Se:906)
82Se34 + 9 D* --> 98Mo42 + 2H1 + 115.603 MeV [21.787 MeV] (A_Se:907)

82Se34 + 10 D* --> 54Cr24 + 48Ca20 + 154.910 MeV [48.890 MeV] (A_Se:908)
82Se34 + 10 D* --> 76Ge32 + 26Mg12 + 143.191 MeV [37.171 MeV] (A_Se:909)
82Se34 + 10 D* --> 80Se34 + 22Ne10 + 139.548 MeV [33.528 MeV] (A_Se:910)
82Se34 + 10 D* --> 82Se34 + 20Ne10 + 138.399 MeV [32.379 MeV] (A_Se:911)
82Se34 + 10 D* --> 84Kr36 + 18O8 + 136.976 MeV [30.956 MeV] (A_Se:912)
82Se34 + 10 D* --> 86Kr36 + 16O8 + 141.766 MeV [35.746 MeV] (A_Se:913)
82Se34 + 10 D* --> 87Rb37 + 15N7 + 138.260 MeV [32.240 MeV] (A_Se:914)
82Se34 + 10 D* --> 98Mo42 + 4He2 + 139.450 MeV [33.430 MeV] (A_Se:915)
82Se34 + 10 D* --> 102Ru44 + 142.861 MeV [36.841 MeV] (A_Se:916)

82Se34 + 11 D* --> 87Rb37 + 17O8 + 152.306 MeV [33.741 MeV] (A_Se:917)
82Se34 + 11 D* --> 94Zr40 + 10B5 + 142.115 MeV [23.551 MeV] (A_Se:918)
82Se34 + 11 D* --> 97Mo42 + 7Li3 + 139.531 MeV [20.967 MeV] (A_Se:919)
82Se34 + 11 D* --> 98Mo42 + 6Li3 + 140.924 MeV [22.360 MeV] (A_Se:920)
82Se34 + 11 D* --> 102Ru44 + 2H1 + 142.861 MeV [24.297 MeV] (A_Se:921)

82Se34 + 12 D* --> 58Fe26 + 48Ca20 + 186.402 MeV [54.957 MeV] (A_Se:922)
82Se34 + 12 D* --> 70Zn30 + 36S16 + 180.263 MeV [48.818 MeV] (A_Se:923)
82Se34 + 12 D* --> 76Ge32 + 30Si14 + 177.681 MeV [46.236 MeV] (A_Se:924)
82Se34 + 12 D* --> 80Se34 + 26Mg12 + 174.009 MeV [42.564 MeV] (A_Se:925)
82Se34 + 12 D* --> 82Se34 + 24Mg12 + 171.562 MeV [40.117 MeV] (A_Se:926)
82Se34 + 12 D* --> 84Kr36 + 22Ne10 + 170.490 MeV [39.045 MeV] (A_Se:927)
82Se34 + 12 D* --> 86Kr36 + 20Ne10 + 170.342 MeV [38.897 MeV] (A_Se:928)
82Se34 + 12 D* --> 87Rb37 + 19F9 + 166.120 MeV [34.675 MeV] (A_Se:929)
82Se34 + 12 D* --> 88Sr38 + 18O8 + 168.738 MeV [37.293 MeV] (A_Se:930)
82Se34 + 12 D* --> 94Zr40 + 12C6 + 167.301 MeV [35.856 MeV] (A_Se:931)
82Se34 + 12 D* --> 97Mo42 + 9Be4 + 156.227 MeV [24.782 MeV] (A_Se:932)
82Se34 + 12 D* --> 102Ru44 + 4He2 + 166.708 MeV [35.263 MeV] (A_Se:933)
82Se34 + 12 D* --> 106Pd46 + 169.937 MeV [38.492 MeV] (A_Se:934)

---------- Equations follow for Bromine, Br, element 35 ----------

79Br35 + D* --> 48Ca20 + 33S16 + 7.867 MeV [-1.451 MeV] (A_Br:1)
79Br35 + D* --> 64Ni28 + 17O8 + 4.975 MeV [-4.343 MeV] (A_Br:2)
79Br35 + D* --> 68Zn30 + 13C6 + 3.949 MeV [-5.369 MeV] (A_Br:3)
79Br35 + D* --> 77Se34 + 4He2 + 9.242 MeV [-0.077 MeV] (A_Br:4)

79Br35 + 2 D* --> 46Ca20 + 37Cl17 + 25.100 MeV [6.085 MeV] (A_Br:5)
79Br35 + 2 D* --> 48Ca20 + 35Cl17 + 23.431 MeV [4.416 MeV] (A_Br:6)
79Br35 + 2 D* --> 64Ni28 + 19F9 + 18.790 MeV [-0.225 MeV] (A_Br:7)
79Br35 + 2 D* --> 65Cu29 + 18O8 + 18.248 MeV [-0.767 MeV] (A_Br:8)
79Br35 + 2 D* --> 68Zn30 + 15N7 + 20.109 MeV [1.094 MeV] (A_Br:9)
79Br35 + 2 D* --> 71Ga31 + 12C6 + 20.343 MeV [1.328 MeV] (A_Br:10)

79Br35 + 2 D* --> 72Ge32 + 11B5 + 14.121 MeV [-4.894 MeV] (A_Br:11)
79Br35 + 2 D* --> 73Ge32 + 10B5 + 9.450 MeV [-9.565 MeV] (A_Br:12)
79Br35 + 2 D* --> 76Se34 + 7Li3 + 10.547 MeV [-8.468 MeV] (A_Br:13)
79Br35 + 2 D* --> 77Se34 + 6Li3 + 10.716 MeV [-8.299 MeV] (A_Br:14)
79Br35 + 2 D* --> 79Br35 + 4He2 + 23.847 MeV [4.832 MeV] (A_Br:15)
79Br35 + 2 D* --> 82Kr36 + 1H1 + 23.503 MeV [4.489 MeV] (A_Br:16)

79Br35 + 3 D* --> 49Ti22 + 36S16 + 42.562 MeV [13.479 MeV] (A_Br:17)
79Br35 + 3 D* --> 64Ni28 + 21Ne10 + 36.170 MeV [7.087 MeV] (A_Br:18)
79Br35 + 3 D* --> 67Zn30 + 18O8 + 32.001 MeV [2.918 MeV] (A_Br:19)
79Br35 + 3 D* --> 68Zn30 + 17O8 + 34.155 MeV [5.072 MeV] (A_Br:20)
79Br35 + 3 D* --> 71Ga31 + 14N7 + 30.615 MeV [1.533 MeV] (A_Br:21)
79Br35 + 3 D* --> 72Ge32 + 13C6 + 32.800 MeV [3.717 MeV] (A_Br:22)
79Br35 + 3 D* --> 73Ge32 + 12C6 + 34.636 MeV [5.553 MeV] (A_Br:23)
79Br35 + 3 D* --> 75As33 + 10B5 + 24.320 MeV [-4.762 MeV] (A_Br:24)
79Br35 + 3 D* --> 76Se34 + 9Be4 + 27.243 MeV [-1.840 MeV] (A_Br:25)
79Br35 + 3 D* --> 79Br35 + 6Li3 + 25.320 MeV [-3.762 MeV] (A_Br:26)
79Br35 + 3 D* --> 82Kr36 + 3He2 + 28.997 MeV [-0.086 MeV] (A_Br:27)

79Br35 + 4 D* --> 46Ca20 + 41K19 + 55.169 MeV [15.651 MeV] (A_Br:28)
79Br35 + 4 D* --> 48Ca20 + 39K19 + 54.496 MeV [14.978 MeV] (A_Br:29)
79Br35 + 4 D* --> 50Ti22 + 37Cl17 + 59.663 MeV [20.145 MeV] (A_Br:30)
79Br35 + 4 D* --> 51V23 + 36S16 + 59.340 MeV [19.822 MeV] (A_Br:31)
79Br35 + 4 D* --> 64Ni28 + 23Na11 + 53.104 MeV [13.586 MeV] (A_Br:32)
79Br35 + 4 D* --> 65Cu29 + 22Ne10 + 51.763 MeV [12.245 MeV] (A_Br:33)
79Br35 + 4 D* --> 68Zn30 + 19F9 + 47.969 MeV [8.451 MeV] (A_Br:34)
79Br35 + 4 D* --> 69Ga31 + 18O8 + 46.584 MeV [7.066 MeV] (A_Br:35)
79Br35 + 4 D* --> 71Ga31 + 16O8 + 51.352 MeV [11.834 MeV] (A_Br:36)
79Br35 + 4 D* --> 72Ge32 + 15N7 + 48.959 MeV [9.441 MeV] (A_Br:37)
79Br35 + 4 D* --> 73Ge32 + 14N7 + 44.908 MeV [5.391 MeV] (A_Br:38)
79Br35 + 4 D* --> 75As33 + 12C6 + 49.507 MeV [9.989 MeV] (A_Br:39)
79Br35 + 4 D* --> 76Se34 + 11B5 + 43.058 MeV [3.541 MeV] (A_Br:40)
79Br35 + 4 D* --> 77Se34 + 10B5 + 39.023 MeV [-0.494 MeV] (A_Br:41)
79Br35 + 4 D* --> 80Kr36 + 7Li3 + 39.459 MeV [-0.059 MeV] (A_Br:42)
79Br35 + 4 D* --> 86Sr38 + 1H1 + 53.709 MeV [14.191 MeV] (A_Br:43)

79Br35 + 5 D* --> 46Ca20 + 43Ca20 + 71.154 MeV [20.840 MeV] (A_Br:44)
79Br35 + 5 D* --> 49Ti22 + 40Ar18 + 73.209 MeV [22.895 MeV] (A_Br:45)
79Br35 + 5 D* --> 53Cr24 + 36S16 + 75.559 MeV [25.245 MeV] (A_Br:46)
79Br35 + 5 D* --> 64Ni28 + 25Mg12 + 69.902 MeV [19.588 MeV] (A_Br:47)
79Br35 + 5 D* --> 67Zn30 + 22Ne10 + 65.515 MeV [15.201 MeV] (A_Br:48)
79Br35 + 5 D* --> 68Zn30 + 21Ne10 + 65.349 MeV [15.035 MeV] (A_Br:49)
79Br35 + 5 D* --> 72Ge32 + 17O8 + 63.005 MeV [12.691 MeV] (A_Br:50)
79Br35 + 5 D* --> 73Ge32 + 16O8 + 65.645 MeV [15.330 MeV] (A_Br:51)
79Br35 + 5 D* --> 75As33 + 14N7 + 59.779 MeV [9.465 MeV] (A_Br:52)
79Br35 + 5 D* --> 76Se34 + 13C6 + 61.737 MeV [11.423 MeV] (A_Br:53)
79Br35 + 5 D* --> 77Se34 + 12C6 + 64.210 MeV [13.896 MeV] (A_Br:54)
79Br35 + 5 D* --> 79Br35 + 10B5 + 53.628 MeV [3.314 MeV] (A_Br:55)
79Br35 + 5 D* --> 80Kr36 + 9Be4 + 56.155 MeV [5.841 MeV] (A_Br:56)
79Br35 + 5 D* --> 86Sr38 + 3He2 + 59.202 MeV [8.888 MeV] (A_Br:57)

79Br35 + 6 D* --> 46Ca20 + 45Sc21 + 86.949 MeV [25.481 MeV] (A_Br:58)
79Br35 + 6 D* --> 50Ti22 + 41K19 + 89.732 MeV [28.263 MeV] (A_Br:59)
79Br35 + 6 D* --> 51V23 + 40Ar18 + 89.987 MeV [28.519 MeV] (A_Br:60)

79Br35 + 6 D* --> 54Cr24 + 37Cl17 + 91.440 MeV [29.972 MeV] (A_Br:61)
79Br35 + 6 D* --> 55Mn25 + 36S16 + 91.120 MeV [29.652 MeV] (A_Br:62)
79Br35 + 6 D* --> 64Ni28 + 27Al13 + 87.042 MeV [25.574 MeV] (A_Br:63)
79Br35 + 6 D* --> 65Cu29 + 26Mg12 + 86.224 MeV [24.756 MeV] (A_Br:64)
79Br35 + 6 D* --> 68Zn30 + 23Na11 + 82.283 MeV [20.815 MeV] (A_Br:65)
79Br35 + 6 D* --> 69Ga31 + 22Ne10 + 80.098 MeV [18.630 MeV] (A_Br:66)
79Br35 + 6 D* --> 71Ga31 + 20Ne10 + 79.928 MeV [18.460 MeV] (A_Br:67)
79Br35 + 6 D* --> 72Ge32 + 19F9 + 76.819 MeV [15.351 MeV] (A_Br:68)
79Br35 + 6 D* --> 75As33 + 16O8 + 80.515 MeV [19.047 MeV] (A_Br:69)
79Br35 + 6 D* --> 76Se34 + 15N7 + 77.896 MeV [16.428 MeV] (A_Br:70)
79Br35 + 6 D* --> 77Se34 + 14N7 + 74.482 MeV [13.014 MeV] (A_Br:71)
79Br35 + 6 D* --> 79Br35 + 12C6 + 78.814 MeV [17.346 MeV] (A_Br:72)
79Br35 + 6 D* --> 80Kr36 + 11B5 + 71.970 MeV [10.502 MeV] (A_Br:73)
79Br35 + 6 D* --> 84Sr38 + 7Li3 + 68.482 MeV [7.013 MeV] (A_Br:74)
79Br35 + 6 D* --> 90Zr40 + 1H1 + 84.224 MeV [22.756 MeV] (A_Br:75)

79Br35 + 7 D* --> 47Ti22 + 46Ca20 + 103.949 MeV [30.974 MeV] (A_Br:76)
79Br35 + 7 D* --> 49Ti22 + 44Ca20 + 105.909 MeV [32.934 MeV] (A_Br:77)
79Br35 + 7 D* --> 50Ti22 + 43Ca20 + 105.717 MeV [32.742 MeV] (A_Br:78)
79Br35 + 7 D* --> 53Cr24 + 40Ar18 + 106.206 MeV [33.231 MeV] (A_Br:79)
79Br35 + 7 D* --> 57Fe26 + 36S16 + 106.726 MeV [33.751 MeV] (A_Br:80)
79Br35 + 7 D* --> 64Ni28 + 29Si14 + 104.876 MeV [31.901 MeV] (A_Br:81)
79Br35 + 7 D* --> 67Zn30 + 26Mg12 + 99.977 MeV [27.002 MeV] (A_Br:82)
79Br35 + 7 D* --> 68Zn30 + 25Mg12 + 99.082 MeV [26.107 MeV] (A_Br:83)
79Br35 + 7 D* --> 72Ge32 + 21Ne10 + 94.199 MeV [21.224 MeV] (A_Br:84)
79Br35 + 7 D* --> 73Ge32 + 20Ne10 + 94.221 MeV [21.246 MeV] (A_Br:85)
79Br35 + 7 D* --> 76Se34 + 17O8 + 91.942 MeV [18.968 MeV] (A_Br:86)
79Br35 + 7 D* --> 77Se34 + 16O8 + 95.218 MeV [22.243 MeV] (A_Br:87)
79Br35 + 7 D* --> 79Br35 + 14N7 + 89.087 MeV [16.112 MeV] (A_Br:88)
79Br35 + 7 D* --> 80Kr36 + 13C6 + 90.649 MeV [17.674 MeV] (A_Br:89)
79Br35 + 7 D* --> 84Sr38 + 9Be4 + 85.178 MeV [12.203 MeV] (A_Br:90)
79Br35 + 7 D* --> 90Zr40 + 3He2 + 89.718 MeV [16.743 MeV] (A_Br:91)

79Br35 + 8 D* --> 50Ti22 + 45Sc21 + 121.512 MeV [36.682 MeV] (A_Br:92)
79Br35 + 8 D* --> 51V23 + 44Ca20 + 122.687 MeV [37.857 MeV] (A_Br:93)
79Br35 + 8 D* --> 54Cr24 + 41K19 + 121.509 MeV [36.679 MeV] (A_Br:94)
79Br35 + 8 D* --> 55Mn25 + 40Ar18 + 121.768 MeV [36.938 MeV] (A_Br:95)
79Br35 + 8 D* --> 58Fe26 + 37Cl17 + 122.932 MeV [38.102 MeV] (A_Br:96)
79Br35 + 8 D* --> 59Co27 + 36S16 + 121.910 MeV [37.080 MeV] (A_Br:97)
79Br35 + 8 D* --> 64Ni28 + 31P15 + 120.557 MeV [35.727 MeV] (A_Br:98)
79Br35 + 8 D* --> 65Cu29 + 30Si14 + 120.714 MeV [35.884 MeV] (A_Br:99)
79Br35 + 8 D* --> 68Zn30 + 27Al13 + 116.221 MeV [31.391 MeV] (A_Br:100)
79Br35 + 8 D* --> 69Ga31 + 26Mg12 + 114.560 MeV [29.729 MeV] (A_Br:101)
79Br35 + 8 D* --> 71Ga31 + 24Mg12 + 113.091 MeV [28.261 MeV] (A_Br:102)
79Br35 + 8 D* --> 72Ge32 + 23Na11 + 111.133 MeV [26.303 MeV] (A_Br:103)
79Br35 + 8 D* --> 75As33 + 20Ne10 + 109.092 MeV [24.261 MeV] (A_Br:104)
79Br35 + 8 D* --> 76Se34 + 19F9 + 105.757 MeV [20.926 MeV] (A_Br:105)
79Br35 + 8 D* --> 79Br35 + 16O8 + 109.823 MeV [24.993 MeV] (A_Br:106)
79Br35 + 8 D* --> 80Kr36 + 15N7 + 106.808 MeV [21.978 MeV] (A_Br:107)
79Br35 + 8 D* --> 84Sr38 + 11B5 + 100.993 MeV [16.163 MeV] (A_Br:108)
79Br35 + 8 D* --> 94Mo42 + 1H1 + 110.138 MeV [25.308 MeV] (A_Br:109)

79Br35 + 9 D* --> 49Ti22 + 48Ti22 + 139.200 MeV [42.169 MeV] (A_Br:110)
79Br35 + 9 D* --> 50Ti22 + 47Ti22 + 138.512 MeV [41.482 MeV] (A_Br:111)

79Br35 + 9 D* --> 53Cr24 + 44Ca20 + 138.906 MeV [41.876 MeV] (A_Br:112)
79Br35 + 9 D* --> 54Cr24 + 43Ca20 + 137.494 MeV [40.464 MeV] (A_Br:113)
79Br35 + 9 D* --> 57Fe26 + 40Ar18 + 137.373 MeV [40.343 MeV] (A_Br:114)
79Br35 + 9 D* --> 61Ni28 + 36S16 + 137.038 MeV [40.008 MeV] (A_Br:115)
79Br35 + 9 D* --> 64Ni28 + 33S16 + 135.838 MeV [38.808 MeV] (A_Br:116)
79Br35 + 9 D* --> 67Zn30 + 30Si14 + 134.466 MeV [37.436 MeV] (A_Br:117)
79Br35 + 9 D* --> 68Zn30 + 29Si14 + 134.055 MeV [37.025 MeV] (A_Br:118)
79Br35 + 9 D* --> 72Ge32 + 25Mg12 + 127.932 MeV [30.902 MeV] (A_Br:119)
79Br35 + 9 D* --> 73Ge32 + 24Mg12 + 127.384 MeV [30.354 MeV] (A_Br:120)
79Br35 + 9 D* --> 76Se34 + 21Ne10 + 123.137 MeV [26.107 MeV] (A_Br:121)
79Br35 + 9 D* --> 77Se34 + 20Ne10 + 123.795 MeV [26.764 MeV] (A_Br:122)
79Br35 + 9 D* --> 80Kr36 + 17O8 + 120.854 MeV [23.824 MeV] (A_Br:123)
79Br35 + 9 D* --> 84Sr38 + 13C6 + 119.672 MeV [22.642 MeV] (A_Br:124)
79Br35 + 9 D* --> 94Mo42 + 3He2 + 115.631 MeV [18.601 MeV] (A_Br:125)

79Br35 + 10 D* --> 50V23 + 49Ti22 + 153.069 MeV [43.499 MeV] (A_Br:126)
79Br35 + 10 D* --> 51V23 + 48Ti22 + 155.978 MeV [46.407 MeV] (A_Br:127)
79Br35 + 10 D* --> 54Cr24 + 45Sc21 + 153.289 MeV [43.719 MeV] (A_Br:128)
79Br35 + 10 D* --> 55Mn25 + 44Ca20 + 154.468 MeV [44.897 MeV] (A_Br:129)
79Br35 + 10 D* --> 58Fe26 + 41K19 + 153.001 MeV [43.431 MeV] (A_Br:130)
79Br35 + 10 D* --> 59Co27 + 40Ar18 + 152.557 MeV [42.987 MeV] (A_Br:131)
79Br35 + 10 D* --> 62Ni28 + 37Cl17 + 153.796 MeV [44.226 MeV] (A_Br:132)
79Br35 + 10 D* --> 64Ni28 + 35Cl17 + 151.402 MeV [41.831 MeV] (A_Br:133)
79Br35 + 10 D* --> 63Cu29 + 36S16 + 151.532 MeV [41.962 MeV] (A_Br:134)
79Br35 + 10 D* --> 65Cu29 + 34S16 + 152.484 MeV [42.914 MeV] (A_Br:135)
79Br35 + 10 D* --> 68Zn30 + 31P15 + 149.737 MeV [40.166 MeV] (A_Br:136)
79Br35 + 10 D* --> 69Ga31 + 30Si14 + 149.049 MeV [39.479 MeV] (A_Br:137)
79Br35 + 10 D* --> 71Ga31 + 28Si14 + 146.922 MeV [37.351 MeV] (A_Br:138)
79Br35 + 10 D* --> 72Ge32 + 27Al13 + 145.071 MeV [35.501 MeV] (A_Br:139)
79Br35 + 10 D* --> 75As33 + 24Mg12 + 142.255 MeV [32.684 MeV] (A_Br:140)
79Br35 + 10 D* --> 76Se34 + 23Na11 + 140.071 MeV [30.500 MeV] (A_Br:141)
79Br35 + 10 D* --> 79Br35 + 20Ne10 + 138.399 MeV [28.829 MeV] (A_Br:142)
79Br35 + 10 D* --> 80Kr36 + 19F9 + 134.669 MeV [25.098 MeV] (A_Br:143)
79Br35 + 10 D* --> 84Sr38 + 15N7 + 135.831 MeV [26.261 MeV] (A_Br:144)
79Br35 + 10 D* --> 92Mo42 + 7Li3 + 127.186 MeV [17.615 MeV] (A_Br:145)
79Br35 + 10 D* --> 98Ru44 + 1H1 + 136.224 MeV [26.654 MeV] (A_Br:146)

79Br35 + 11 D* --> 51V23 + 50V23 + 169.847 MeV [47.400 MeV] (A_Br:147)
79Br35 + 11 D* --> 52Cr24 + 49Ti22 + 172.400 MeV [49.952 MeV] (A_Br:148)
79Br35 + 11 D* --> 53Cr24 + 48Ti22 + 172.197 MeV [49.749 MeV] (A_Br:149)
79Br35 + 11 D* --> 54Cr24 + 47Ti22 + 170.289 MeV [47.842 MeV] (A_Br:150)
79Br35 + 11 D* --> 57Fe26 + 44Ca20 + 170.073 MeV [47.625 MeV] (A_Br:151)
79Br35 + 11 D* --> 58Fe26 + 43Ca20 + 168.986 MeV [46.539 MeV] (A_Br:152)
79Br35 + 11 D* --> 61Ni28 + 40Ar18 + 167.685 MeV [45.238 MeV] (A_Br:153)
79Br35 + 11 D* --> 67Zn30 + 34S16 + 166.237 MeV [43.789 MeV] (A_Br:154)
79Br35 + 11 D* --> 68Zn30 + 33S16 + 165.018 MeV [42.570 MeV] (A_Br:155)
79Br35 + 11 D* --> 72Ge32 + 29Si14 + 162.905 MeV [40.458 MeV] (A_Br:156)
79Br35 + 11 D* --> 73Ge32 + 28Si14 + 161.215 MeV [38.767 MeV] (A_Br:157)
79Br35 + 11 D* --> 76Se34 + 25Mg12 + 156.869 MeV [34.422 MeV] (A_Br:158)
79Br35 + 11 D* --> 77Se34 + 24Mg12 + 156.958 MeV [34.510 MeV] (A_Br:159)
79Br35 + 11 D* --> 80Kr36 + 21Ne10 + 152.049 MeV [29.601 MeV] (A_Br:160)
79Br35 + 11 D* --> 84Sr38 + 17O8 + 149.877 MeV [27.429 MeV] (A_Br:161)
79Br35 + 11 D* --> 92Mo42 + 9Be4 + 143.882 MeV [21.434 MeV] (A_Br:162)
79Br35 + 11 D* --> 98Ru44 + 3He2 + 141.718 MeV [19.270 MeV] (A_Br:163)

79Br35 + 12 D* --> 52Cr24 + 51V23 + 189.178 MeV [53.520 MeV] (A_Br:164)
79Br35 + 12 D* --> 53Cr24 + 50V23 + 186.066 MeV [50.408 MeV] (A_Br:165)
79Br35 + 12 D* --> 55Mn25 + 48Ti22 + 187.758 MeV [52.100 MeV] (A_Br:166)
79Br35 + 12 D* --> 58Fe26 + 45Sc21 + 184.781 MeV [49.123 MeV] (A_Br:167)
79Br35 + 12 D* --> 59Co27 + 44Ca20 + 185.257 MeV [49.599 MeV] (A_Br:168)
79Br35 + 12 D* --> 62Ni28 + 41K19 + 183.865 MeV [48.207 MeV] (A_Br:169)
79Br35 + 12 D* --> 64Ni28 + 39K19 + 182.466 MeV [46.808 MeV] (A_Br:170)
79Br35 + 12 D* --> 63Cu29 + 40Ar18 + 182.180 MeV [46.521 MeV] (A_Br:171)
79Br35 + 12 D* --> 65Cu29 + 38Ar18 + 183.538 MeV [47.880 MeV] (A_Br:172)
79Br35 + 12 D* --> 66Zn30 + 37Cl17 + 182.221 MeV [46.563 MeV] (A_Br:173)
79Br35 + 12 D* --> 68Zn30 + 35Cl17 + 180.581 MeV [44.923 MeV] (A_Br:174)
79Br35 + 12 D* --> 69Ga31 + 34S16 + 180.820 MeV [45.162 MeV] (A_Br:175)
79Br35 + 12 D* --> 71Ga31 + 32S16 + 177.716 MeV [42.058 MeV] (A_Br:176)
79Br35 + 12 D* --> 72Ge32 + 31P15 + 178.587 MeV [42.929 MeV] (A_Br:177)
79Br35 + 12 D* --> 75As33 + 28Si14 + 176.085 MeV [40.427 MeV] (A_Br:178)
79Br35 + 12 D* --> 76Se34 + 27Al13 + 174.009 MeV [38.351 MeV] (A_Br:179)
79Br35 + 12 D* --> 79Br35 + 24Mg12 + 171.562 MeV [35.904 MeV] (A_Br:180)
79Br35 + 12 D* --> 80Kr36 + 23Na11 + 168.982 MeV [33.324 MeV] (A_Br:181)
79Br35 + 12 D* --> 84Sr38 + 19F9 + 163.691 MeV [28.033 MeV] (A_Br:182)
79Br35 + 12 D* --> 92Mo42 + 11B5 + 159.697 MeV [24.039 MeV] (A_Br:183)
79Br35 + 12 D* --> 96Ru44 + 7Li3 + 152.724 MeV [17.066 MeV] (A_Br:184)
79Br35 + 12 D* --> 102Pd46 + 1H1 + 162.196 MeV [26.538 MeV] (A_Br:185)

81Br35 + D* --> 70Zn30 + 13C6 + 1.601 MeV [-7.643 MeV] (A_Br:186)
81Br35 + D* --> 83Kr36 + 15.143 MeV [5.899 MeV] (A_Br:187)

81Br35 + 2 D* --> 48Ca20 + 37Cl17 + 24.272 MeV [5.408 MeV] (A_Br:188)
81Br35 + 2 D* --> 70Zn30 + 15N7 + 17.760 MeV [-1.105 MeV] (A_Br:189)
81Br35 + 2 D* --> 74Ge32 + 11B5 + 13.051 MeV [-5.813 MeV] (A_Br:190)
81Br35 + 2 D* --> 78Se34 + 7Li3 + 10.415 MeV [-8.450 MeV] (A_Br:191)
81Br35 + 2 D* --> 81Br35 + 4He2 + 23.847 MeV [4.982 MeV] (A_Br:192)
81Br35 + 2 D* --> 83Kr36 + 2H1 + 15.143 MeV [-3.722 MeV] (A_Br:193)
81Br35 + 2 D* --> 84Kr36 + 1H1 + 23.439 MeV [4.574 MeV] (A_Br:194)
81Br35 + 2 D* --> 85Rb37 + 30.464 MeV [11.599 MeV] (A_Br:195)

81Br35 + 3 D* --> 70Zn30 + 17O8 + 31.806 MeV [2.948 MeV] (A_Br:196)
81Br35 + 3 D* --> 74Ge32 + 13C6 + 31.730 MeV [2.872 MeV] (A_Br:197)
81Br35 + 3 D* --> 78Se34 + 9Be4 + 27.111 MeV [-1.747 MeV] (A_Br:198)
81Br35 + 3 D* --> 81Br35 + 6Li3 + 25.320 MeV [-3.538 MeV] (A_Br:199)
81Br35 + 3 D* --> 83Kr36 + 4He2 + 38.989 MeV [10.131 MeV] (A_Br:200)
81Br35 + 3 D* --> 84Kr36 + 3He2 + 28.932 MeV [00.074 MeV] (A_Br:201)
81Br35 + 3 D* --> 85Rb37 + 2H1 + 30.464 MeV [1.606 MeV] (A_Br:202)
81Br35 + 3 D* --> 87Sr38 + 46.313 MeV [17.455 MeV] (A_Br:203)

81Br35 + 4 D* --> 48Ca20 + 41K19 + 54.341 MeV [15.122 MeV] (A_Br:204)
81Br35 + 4 D* --> 70Zn30 + 19F9 + 45.620 MeV [6.401 MeV] (A_Br:205)
81Br35 + 4 D* --> 71Ga31 + 18O8 + 45.490 MeV [6.271 MeV] (A_Br:206)
81Br35 + 4 D* --> 74Ge32 + 15N7 + 47.889 MeV [8.670 MeV] (A_Br:207)
81Br35 + 4 D* --> 78Se34 + 11B5 + 42.926 MeV [3.707 MeV] (A_Br:208)
81Br35 + 4 D* --> 82Kr36 + 7Li3 + 40.249 MeV [1.030 MeV] (A_Br:209)
81Br35 + 4 D* --> 83Kr36 + 6Li3 + 40.463 MeV [1.244 MeV] (A_Br:210)
81Br35 + 4 D* --> 85Rb37 + 4He2 + 54.310 MeV [15.091 MeV] (A_Br:211)
81Br35 + 4 D* --> 87Sr38 + 2H1 + 46.313 MeV [7.093 MeV] (A_Br:212)

81Br35 + 4 D* --> 88Sr38 + 1H1 + 55.201 MeV [15.982 MeV] (A_Br:213)
81Br35 + 4 D* --> 89Y39 + 62.270 MeV [23.051 MeV] (A_Br:214)

81Br35 + 5 D* --> 48Ca20 + 43Ca20 + 70.327 MeV [20.384 MeV] (A_Br:215)
81Br35 + 5 D* --> 70Zn30 + 21Ne10 + 63.000 MeV [13.057 MeV] (A_Br:216)
81Br35 + 5 D* --> 73Ge32 + 18O8 + 59.783 MeV [9.840 MeV] (A_Br:217)
81Br35 + 5 D* --> 74Ge32 + 17O8 + 61.935 MeV [11.992 MeV] (A_Br:218)
81Br35 + 5 D* --> 78Se34 + 13C6 + 61.605 MeV [11.662 MeV] (A_Br:219)
81Br35 + 5 D* --> 81Br35 + 10B5 + 53.628 MeV [3.685 MeV] (A_Br:220)
81Br35 + 5 D* --> 82Kr36 + 9Be4 + 56.946 MeV [7.003 MeV] (A_Br:221)
81Br35 + 5 D* --> 85Rb37 + 6Li3 + 55.784 MeV [5.841 MeV] (A_Br:222)
81Br35 + 5 D* --> 87Sr38 + 4He2 + 70.159 MeV [20.216 MeV] (A_Br:223)
81Br35 + 5 D* --> 88Sr38 + 3He2 + 60.694 MeV [10.751 MeV] (A_Br:224)
81Br35 + 5 D* --> 89Y39 + 2H1 + 62.270 MeV [12.327 MeV] (A_Br:225)
81Br35 + 5 D* --> 91Zr40 + 75.594 MeV [25.651 MeV] (A_Br:226)

81Br35 + 6 D* --> 48Ca20 + 45Sc21 + 86.121 MeV [25.097 MeV] (A_Br:227)
81Br35 + 6 D* --> 70Zn30 + 23Na11 + 79.934 MeV [18.910 MeV] (A_Br:228)
81Br35 + 6 D* --> 71Ga31 + 22Ne10 + 79.004 MeV [17.980 MeV] (A_Br:229)
81Br35 + 6 D* --> 74Ge32 + 19F9 + 75.749 MeV [14.725 MeV] (A_Br:230)
81Br35 + 6 D* --> 75As33 + 18O8 + 74.653 MeV [13.629 MeV] (A_Br:231)
81Br35 + 6 D* --> 78Se34 + 15N7 + 77.764 MeV [16.740 MeV] (A_Br:232)
81Br35 + 6 D* --> 81Br35 + 12C6 + 78.814 MeV [17.790 MeV] (A_Br:233)
81Br35 + 6 D* --> 82Kr36 + 11B5 + 72.761 MeV [11.737 MeV] (A_Br:234)
81Br35 + 6 D* --> 83Kr36 + 10B5 + 68.770 MeV [7.746 MeV] (A_Br:235)
81Br35 + 6 D* --> 86Sr38 + 7Li3 + 70.455 MeV [9.431 MeV] (A_Br:236)
81Br35 + 6 D* --> 87Sr38 + 6Li3 + 71.633 MeV [10.609 MeV] (A_Br:237)
81Br35 + 6 D* --> 89Y39 + 4He2 + 86.116 MeV [25.092 MeV] (A_Br:238)
81Br35 + 6 D* --> 91Zr40 + 2H1 + 75.594 MeV [14.570 MeV] (A_Br:239)
81Br35 + 6 D* --> 92Zr40 + 1H1 + 82.004 MeV [20.980 MeV] (A_Br:240)
81Br35 + 6 D* --> 93Nb41 + 88.048 MeV [27.023 MeV] (A_Br:241)

81Br35 + 7 D* --> 48Ca20 + 47Ti22 + 103.122 MeV [30.663 MeV] (A_Br:242)
81Br35 + 7 D* --> 49Ti22 + 46Ca20 + 105.669 MeV [33.210 MeV] (A_Br:243)
81Br35 + 7 D* --> 70Zn30 + 25Mg12 + 96.733 MeV [24.274 MeV] (A_Br:244)
81Br35 + 7 D* --> 73Ge32 + 22Ne10 + 93.297 MeV [20.838 MeV] (A_Br:245)
81Br35 + 7 D* --> 74Ge32 + 21Ne10 + 93.129 MeV [20.670 MeV] (A_Br:246)
81Br35 + 7 D* --> 77Se34 + 18O8 + 89.356 MeV [16.897 MeV] (A_Br:247)
81Br35 + 7 D* --> 78Se34 + 17O8 + 91.810 MeV [19.351 MeV] (A_Br:248)
81Br35 + 7 D* --> 81Br35 + 14N7 + 89.087 MeV [16.627 MeV] (A_Br:249)
81Br35 + 7 D* --> 82Kr36 + 13C6 + 91.440 MeV [18.981 MeV] (A_Br:250)
81Br35 + 7 D* --> 83Kr36 + 12C6 + 93.957 MeV [21.498 MeV] (A_Br:251)
81Br35 + 7 D* --> 85Rb37 + 10B5 + 84.092 MeV [11.633 MeV] (A_Br:252)
81Br35 + 7 D* --> 86Sr38 + 9Be4 + 87.151 MeV [14.692 MeV] (A_Br:253)
81Br35 + 7 D* --> 89Y39 + 6Li3 + 87.590 MeV [15.131 MeV] (A_Br:254)
81Br35 + 7 D* --> 91Zr40 + 4He2 + 99.441 MeV [26.982 MeV] (A_Br:255)
81Br35 + 7 D* --> 92Zr40 + 3He2 + 87.498 MeV [15.039 MeV] (A_Br:256)
81Br35 + 7 D* --> 93Nb41 + 2H1 + 88.048 MeV [15.589 MeV] (A_Br:257)
81Br35 + 7 D* --> 95Mo42 + 101.683 MeV [29.224 MeV] (A_Br:258)

81Br35 + 8 D* --> 51V23 + 46Ca20 + 122.447 MeV [38.204 MeV] (A_Br:259)
81Br35 + 8 D* --> 70Zn30 + 27Al13 + 113.872 MeV [29.629 MeV] (A_Br:260)
81Br35 + 8 D* --> 71Ga31 + 26Mg12 + 113.466 MeV [29.223 MeV] (A_Br:261)
81Br35 + 8 D* --> 74Ge32 + 23Na11 + 110.063 MeV [25.820 MeV] (A_Br:262)

81Br35 + 8 D* --> 75As33 + 22Ne10 + 108.168 MeV [23.925 MeV] (A_Br:263)
81Br35 + 8 D* --> 78Se34 + 19F9 + 105.624 MeV [21.381 MeV] (A_Br:264)
81Br35 + 8 D* --> 79Br35 + 18O8 + 103.961 MeV [19.718 MeV] (A_Br:265)
81Br35 + 8 D* --> 81Br35 + 16O8 + 109.823 MeV [25.580 MeV] (A_Br:266)
81Br35 + 8 D* --> 82Kr36 + 15N7 + 107.599 MeV [23.356 MeV] (A_Br:267)
81Br35 + 8 D* --> 83Kr36 + 14N7 + 104.229 MeV [19.986 MeV] (A_Br:268)
81Br35 + 8 D* --> 85Rb37 + 12C6 + 109.278 MeV [25.035 MeV] (A_Br:269)
81Br35 + 8 D* --> 86Sr38 + 11B5 + 102.967 MeV [18.723 MeV] (A_Br:270)
81Br35 + 8 D* --> 87Sr38 + 10B5 + 99.941 MeV [15.697 MeV] (A_Br:271)
81Br35 + 8 D* --> 90Zr40 + 7Li3 + 100.970 MeV [16.727 MeV] (A_Br:272)
81Br35 + 8 D* --> 91Zr40 + 6Li3 + 100.915 MeV [16.671 MeV] (A_Br:273)
81Br35 + 8 D* --> 93Nb41 + 4He2 + 111.894 MeV [27.651 MeV] (A_Br:274)
81Br35 + 8 D* --> 95Mo42 + 2H1 + 101.683 MeV [17.440 MeV] (A_Br:275)
81Br35 + 8 D* --> 96Mo42 + 1H1 + 108.612 MeV [24.369 MeV] (A_Br:276)

81Br35 + 9 D* --> 50Ti22 + 49Ti22 + 140.232 MeV [43.860 MeV] (A_Br:277)
81Br35 + 9 D* --> 53Cr24 + 46Ca20 + 138.666 MeV [42.294 MeV] (A_Br:278)
81Br35 + 9 D* --> 70Zn30 + 29Si14 + 131.706 MeV [35.334 MeV] (A_Br:279)
81Br35 + 9 D* --> 73Ge32 + 26Mg12 + 127.759 MeV [31.387 MeV] (A_Br:280)
81Br35 + 9 D* --> 74Ge32 + 25Mg12 + 126.862 MeV [30.490 MeV] (A_Br:281)
81Br35 + 9 D* --> 77Se34 + 22Ne10 + 122.871 MeV [26.499 MeV] (A_Br:282)
81Br35 + 9 D* --> 78Se34 + 21Ne10 + 123.005 MeV [26.632 MeV] (A_Br:283)
81Br35 + 9 D* --> 82Kr36 + 17O8 + 121.645 MeV [25.273 MeV] (A_Br:284)
81Br35 + 9 D* --> 83Kr36 + 16O8 + 124.965 MeV [28.593 MeV] (A_Br:285)
81Br35 + 9 D* --> 85Rb37 + 14N7 + 119.551 MeV [23.178 MeV] (A_Br:286)
81Br35 + 9 D* --> 86Sr38 + 13C6 + 121.645 MeV [25.273 MeV] (A_Br:287)
81Br35 + 9 D* --> 87Sr38 + 12C6 + 125.127 MeV [28.755 MeV] (A_Br:288)
81Br35 + 9 D* --> 89Y39 + 10B5 + 115.898 MeV [19.525 MeV] (A_Br:289)
81Br35 + 9 D* --> 90Zr40 + 9Be4 + 117.666 MeV [21.294 MeV] (A_Br:290)
81Br35 + 9 D* --> 93Nb41 + 6Li3 + 113.368 MeV [16.996 MeV] (A_Br:291)
81Br35 + 9 D* --> 95Mo42 + 4He2 + 125.529 MeV [29.157 MeV] (A_Br:292)
81Br35 + 9 D* --> 96Mo42 + 3He2 + 114.106 MeV [17.734 MeV] (A_Br:293)
81Br35 + 9 D* --> 99Ru44 + 127.864 MeV [31.491 MeV] (A_Br:294)

81Br35 + 10 D* --> 51V23 + 50Ti22 + 157.010 MeV [48.168 MeV] (A_Br:295)
81Br35 + 10 D* --> 55Mn25 + 46Ca20 + 154.228 MeV [45.386 MeV] (A_Br:296)
81Br35 + 10 D* --> 64Ni28 + 37Cl17 + 152.243 MeV [43.401 MeV] (A_Br:297)
81Br35 + 10 D* --> 65Cu29 + 36S16 + 151.310 MeV [42.468 MeV] (A_Br:298)
81Br35 + 10 D* --> 70Zn30 + 31P15 + 147.388 MeV [38.546 MeV] (A_Br:299)
81Br35 + 10 D* --> 71Ga31 + 30Si14 + 147.956 MeV [39.113 MeV] (A_Br:300)
81Br35 + 10 D* --> 74Ge32 + 27Al13 + 144.001 MeV [35.159 MeV] (A_Br:301)
81Br35 + 10 D* --> 75As33 + 26Mg12 + 142.629 MeV [33.787 MeV] (A_Br:302)
81Br35 + 10 D* --> 78Se34 + 23Na11 + 139.938 MeV [31.096 MeV] (A_Br:303)
81Br35 + 10 D* --> 79Br35 + 22Ne10 + 137.476 MeV [28.633 MeV] (A_Br:304)
81Br35 + 10 D* --> 81Br35 + 20Ne10 + 138.399 MeV [29.557 MeV] (A_Br:305)
81Br35 + 10 D* --> 82Kr36 + 19F9 + 135.459 MeV [26.617 MeV] (A_Br:306)
81Br35 + 10 D* --> 85Rb37 + 16O8 + 140.287 MeV [31.444 MeV] (A_Br:307)
81Br35 + 10 D* --> 86Sr38 + 15N7 + 137.805 MeV [28.962 MeV] (A_Br:308)
81Br35 + 10 D* --> 87Sr38 + 14N7 + 135.399 MeV [26.557 MeV] (A_Br:309)
81Br35 + 10 D* --> 89Y39 + 12C6 + 141.084 MeV [32.242 MeV] (A_Br:310)
81Br35 + 10 D* --> 90Zr40 + 11B5 + 133.482 MeV [24.639 MeV] (A_Br:311)
81Br35 + 10 D* --> 91Zr40 + 10B5 + 129.222 MeV [20.380 MeV] (A_Br:312)
81Br35 + 10 D* --> 94Mo42 + 7Li3 + 126.884 MeV [18.042 MeV] (A_Br:313)
81Br35 + 10 D* --> 95Mo42 + 6Li3 + 127.003 MeV [18.161 MeV] (A_Br:314)

81Br35 + 10 D* --> 99Ru44 + 2H1 + 127.864 MeV [19.021 MeV] (A_Br:315)
81Br35 + 10 D* --> 100Ru44 + 1H1 + 135.312 MeV [26.470 MeV] (A_Br:316)

81Br35 + 11 D* --> 53Cr24 + 50Ti22 + 173.230 MeV [51.580 MeV] (A_Br:317)
81Br35 + 11 D* --> 54Cr24 + 49Ti22 + 172.009 MeV [50.359 MeV] (A_Br:318)
81Br35 + 11 D* --> 57Fe26 + 46Ca20 + 169.833 MeV [48.183 MeV] (A_Br:319)
81Br35 + 11 D* --> 67Zn30 + 36S16 + 165.063 MeV [43.413 MeV] (A_Br:320)
81Br35 + 11 D* --> 70Zn30 + 33S16 + 162.669 MeV [41.019 MeV] (A_Br:321)
81Br35 + 11 D* --> 73Ge32 + 30Si14 + 162.249 MeV [40.599 MeV] (A_Br:322)
81Br35 + 11 D* --> 74Ge32 + 29Si14 + 161.836 MeV [40.186 MeV] (A_Br:323)
81Br35 + 11 D* --> 77Se34 + 26Mg12 + 157.332 MeV [35.682 MeV] (A_Br:324)
81Br35 + 11 D* --> 78Se34 + 25Mg12 + 156.737 MeV [35.087 MeV] (A_Br:325)
81Br35 + 11 D* --> 82Kr36 + 21Ne10 + 152.839 MeV [31.189 MeV] (A_Br:326)
81Br35 + 11 D* --> 83Kr36 + 20Ne10 + 153.542 MeV [31.892 MeV] (A_Br:327)
81Br35 + 11 D* --> 86Sr38 + 17O8 + 151.850 MeV [30.201 MeV] (A_Br:328)
81Br35 + 11 D* --> 87Sr38 + 16O8 + 156.136 MeV [34.486 MeV] (A_Br:329)
81Br35 + 11 D* --> 89Y39 + 14N7 + 151.356 MeV [29.706 MeV] (A_Br:330)
81Br35 + 11 D* --> 90Zr40 + 13C6 + 152.160 MeV [30.510 MeV] (A_Br:331)
81Br35 + 11 D* --> 91Zr40 + 12C6 + 154.409 MeV [32.759 MeV] (A_Br:332)
81Br35 + 11 D* --> 93Nb41 + 10B5 + 141.676 MeV [20.026 MeV] (A_Br:333)
81Br35 + 11 D* --> 94Mo42 + 9Be4 + 143.580 MeV [21.930 MeV] (A_Br:334)
81Br35 + 11 D* --> 99Ru44 + 4He2 + 151.710 MeV [30.060 MeV] (A_Br:335)
81Br35 + 11 D* --> 100Ru44 + 3He2 + 140.806 MeV [19.156 MeV] (A_Br:336)

81Br35 + 12 D* --> 54Cr24 + 51V23 + 188.788 MeV [53.996 MeV] (A_Br:337)
81Br35 + 12 D* --> 55Mn25 + 50Ti22 + 188.791 MeV [54.000 MeV] (A_Br:338)
81Br35 + 12 D* --> 59Co27 + 46Ca20 + 185.017 MeV [50.226 MeV] (A_Br:339)
81Br35 + 12 D* --> 64Ni28 + 41K19 + 182.312 MeV [47.521 MeV] (A_Br:340)
81Br35 + 12 D* --> 65Cu29 + 40Ar18 + 181.957 MeV [47.166 MeV] (A_Br:341)
81Br35 + 12 D* --> 68Zn30 + 37Cl17 + 181.423 MeV [46.631 MeV] (A_Br:342)
81Br35 + 12 D* --> 70Zn30 + 35Cl17 + 178.232 MeV [43.441 MeV] (A_Br:343)
81Br35 + 12 D* --> 69Ga31 + 36S16 + 179.646 MeV [44.854 MeV] (A_Br:344)
81Br35 + 12 D* --> 71Ga31 + 34S16 + 179.726 MeV [44.935 MeV] (A_Br:345)
81Br35 + 12 D* --> 74Ge32 + 31P15 + 177.517 MeV [42.726 MeV] (A_Br:346)
81Br35 + 12 D* --> 75As33 + 30Si14 + 177.119 MeV [42.328 MeV] (A_Br:347)
81Br35 + 12 D* --> 78Se34 + 27Al13 + 173.877 MeV [39.085 MeV] (A_Br:348)
81Br35 + 12 D* --> 79Br35 + 26Mg12 + 171.937 MeV [37.146 MeV] (A_Br:349)
81Br35 + 12 D* --> 81Br35 + 24Mg12 + 171.562 MeV [36.771 MeV] (A_Br:350)
81Br35 + 12 D* --> 82Kr36 + 23Na11 + 169.773 MeV [34.982 MeV] (A_Br:351)
81Br35 + 12 D* --> 85Rb37 + 20Ne10 + 168.863 MeV [34.072 MeV] (A_Br:352)
81Br35 + 12 D* --> 86Sr38 + 19F9 + 165.665 MeV [30.874 MeV] (A_Br:353)
81Br35 + 12 D* --> 89Y39 + 16O8 + 172.093 MeV [37.301 MeV] (A_Br:354)
81Br35 + 12 D* --> 90Zr40 + 15N7 + 168.320 MeV [33.528 MeV] (A_Br:355)
81Br35 + 12 D* --> 91Zr40 + 14N7 + 164.681 MeV [29.890 MeV] (A_Br:356)
81Br35 + 12 D* --> 93Nb41 + 12C6 + 166.862 MeV [32.071 MeV] (A_Br:357)
81Br35 + 12 D* --> 94Mo42 + 11B5 + 159.396 MeV [24.604 MeV] (A_Br:358)
81Br35 + 12 D* --> 95Mo42 + 10B5 + 155.311 MeV [20.519 MeV] (A_Br:359)
81Br35 + 12 D* --> 98Ru44 + 7Li3 + 152.970 MeV [18.179 MeV] (A_Br:360)
81Br35 + 12 D* --> 99Ru44 + 6Li3 + 153.184 MeV [18.393 MeV] (A_Br:361)
81Br35 + 12 D* --> 104Pd46 + 1H1 + 161.755 MeV [26.964 MeV] (A_Br:362)

---------- Equations follow for Krypton, Kr, element 36 ----------

78Kr36 + D* --> 40Ar18 + 40K19 + 7.531 MeV [-2.094 MeV] (A_Kr:1)

78Kr36 + D* --> 40K19 + 40Ar18 + 7.531 MeV [-2.094 MeV] (A_Kr:2)
78Kr36 + D* --> 43Ca20 + 37Cl17 + 9.126 MeV [-0.499 MeV] (A_Kr:3)
78Kr36 + D* --> 49Ti22 + 31P15 + 11.956 MeV [2.331 MeV] (A_Kr:4)
78Kr36 + D* --> 50V23 + 30Si14 + 12.610 MeV [2.986 MeV] (A_Kr:5)
78Kr36 + D* --> 51V23 + 29Si14 + 13.052 MeV [3.428 MeV] (A_Kr:6)
78Kr36 + D* --> 53Cr24 + 27Al13 + 11.437 MeV [1.813 MeV] (A_Kr:7)
78Kr36 + D* --> 55Mn25 + 25Mg12 + 9.859 MeV [00.235 MeV] (A_Kr:8)
78Kr36 + D* --> 57Fe26 + 23Na11 + 8.666 MeV [-0.959 MeV] (A_Kr:9)
78Kr36 + D* --> 59Co27 + 21Ne10 + 6.916 MeV [-2.709 MeV] (A_Kr:10)
78Kr36 + D* --> 61Ni28 + 19F9 + 4.664 MeV [-4.961 MeV] (A_Kr:11)
78Kr36 + D* --> 63Cu29 + 17O8 + 5.344 MeV [-4.280 MeV] (A_Kr:12)
78Kr36 + D* --> 66Zn30 + 14N7 + 4.992 MeV [-4.633 MeV] (A_Kr:13)

78Kr36 + 2 D* --> 41K19 + 41K19 + 23.210 MeV [3.588 MeV] (A_Kr:14)
78Kr36 + 2 D* --> 42Ca20 + 40Ar18 + 25.679 MeV [6.057 MeV] (A_Kr:15)
78Kr36 + 2 D* --> 44Ca20 + 38Ar18 + 28.275 MeV [8.653 MeV] (A_Kr:16)
78Kr36 + 2 D* --> 46Ca20 + 36Ar18 + 25.458 MeV [5.836 MeV] (A_Kr:17)
78Kr36 + 2 D* --> 45Sc21 + 37Cl17 + 24.921 MeV [5.299 MeV] (A_Kr:18)
78Kr36 + 2 D* --> 46Ti22 + 36S16 + 26.879 MeV [7.257 MeV] (A_Kr:19)
78Kr36 + 2 D* --> 48Ti22 + 34S16 + 30.511 MeV [10.889 MeV] (A_Kr:20)
78Kr36 + 2 D* --> 49Ti22 + 33S16 + 27.237 MeV [7.614 MeV] (A_Kr:21)
78Kr36 + 2 D* --> 50Ti22 + 32S16 + 29.534 MeV [9.912 MeV] (A_Kr:22)
78Kr36 + 2 D* --> 51V23 + 31P15 + 28.734 MeV [9.112 MeV] (A_Kr:23)
78Kr36 + 2 D* --> 52Cr24 + 30Si14 + 31.942 MeV [12.319 MeV] (A_Kr:24)
78Kr36 + 2 D* --> 53Cr24 + 29Si14 + 29.272 MeV [9.649 MeV] (A_Kr:25)
78Kr36 + 2 D* --> 54Cr24 + 28Si14 + 30.517 MeV [10.895 MeV] (A_Kr:26)
78Kr36 + 2 D* --> 55Mn25 + 27Al13 + 26.999 MeV [7.377 MeV] (A_Kr:27)
78Kr36 + 2 D* --> 56Fe26 + 26Mg12 + 28.912 MeV [9.290 MeV] (A_Kr:28)
78Kr36 + 2 D* --> 57Fe26 + 25Mg12 + 25.465 MeV [5.843 MeV] (A_Kr:29)
78Kr36 + 2 D* --> 58Fe26 + 24Mg12 + 28.179 MeV [8.557 MeV] (A_Kr:30)
78Kr36 + 2 D* --> 59Co27 + 23Na11 + 23.850 MeV [4.228 MeV] (A_Kr:31)
78Kr36 + 2 D* --> 60Ni28 + 22Ne10 + 24.589 MeV [4.966 MeV] (A_Kr:32)
78Kr36 + 2 D* --> 61Ni28 + 21Ne10 + 22.044 MeV [2.422 MeV] (A_Kr:33)
78Kr36 + 2 D* --> 62Ni28 + 20Ne10 + 25.880 MeV [6.258 MeV] (A_Kr:34)
78Kr36 + 2 D* --> 63Cu29 + 19F9 + 19.159 MeV [-0.464 MeV] (A_Kr:35)
78Kr36 + 2 D* --> 64Zn30 + 18O8 + 18.877 MeV [-0.745 MeV] (A_Kr:36)
78Kr36 + 2 D* --> 66Zn30 + 16O8 + 25.728 MeV [6.106 MeV] (A_Kr:37)
78Kr36 + 2 D* --> 70Ge32 + 12C6 + 22.655 MeV [3.033 MeV] (A_Kr:38)
78Kr36 + 2 D* --> 78Kr36 + 4He2 + 23.847 MeV [4.224 MeV] (A_Kr:39)

78Kr36 + 3 D* --> 43Ca20 + 41K19 + 39.195 MeV [9.208 MeV] (A_Kr:40)
78Kr36 + 3 D* --> 44Ca20 + 40K19 + 40.231 MeV [10.244 MeV] (A_Kr:41)
78Kr36 + 3 D* --> 47Ti22 + 37Cl17 + 41.921 MeV [11.935 MeV] (A_Kr:42)
78Kr36 + 3 D* --> 49Ti22 + 35Cl17 + 42.800 MeV [12.813 MeV] (A_Kr:43)
78Kr36 + 3 D* --> 50V23 + 34S16 + 44.381 MeV [14.394 MeV] (A_Kr:44)
78Kr36 + 3 D* --> 51V23 + 33S16 + 44.015 MeV [14.028 MeV] (A_Kr:45)
78Kr36 + 3 D* --> 53Cr24 + 31P15 + 44.953 MeV [14.966 MeV] (A_Kr:46)
78Kr36 + 3 D* --> 55Mn25 + 29Si14 + 44.833 MeV [14.846 MeV] (A_Kr:47)
78Kr36 + 3 D* --> 57Fe26 + 27Al13 + 42.604 MeV [12.617 MeV] (A_Kr:48)
78Kr36 + 3 D* --> 59Co27 + 25Mg12 + 40.649 MeV [10.662 MeV] (A_Kr:49)
78Kr36 + 3 D* --> 61Ni28 + 23Na11 + 38.978 MeV [8.991 MeV] (A_Kr:50)
78Kr36 + 3 D* --> 63Cu29 + 21Ne10 + 36.539 MeV [6.552 MeV] (A_Kr:51)
78Kr36 + 3 D* --> 70Ge32 + 14N7 + 32.927 MeV [2.940 MeV] (A_Kr:52)
78Kr36 + 3 D* --> 74Se34 + 10B5 + 25.389 MeV [-4.597 MeV] (A_Kr:53)

78Kr36 + 3 D* --> 78Kr36 + 6Li3 + 25.320 MeV [-4.666 MeV] (A_Kr:54)

78Kr36 + 4 D* --> 43Ca20 + 43Ca20 + 55.180 MeV [14.466 MeV] (A_Kr:55)
78Kr36 + 4 D* --> 44Ca20 + 42Ca20 + 58.379 MeV [17.665 MeV] (A_Kr:56)
78Kr36 + 4 D* --> 46Ca20 + 40Ca20 + 56.345 MeV [15.630 MeV] (A_Kr:57)
78Kr36 + 4 D* --> 45Sc21 + 41K19 + 54.990 MeV [14.276 MeV] (A_Kr:58)
78Kr36 + 4 D* --> 46Ti22 + 40Ar18 + 57.526 MeV [16.812 MeV] (A_Kr:59)
78Kr36 + 4 D* --> 48Ti22 + 38Ar18 + 61.565 MeV [20.851 MeV] (A_Kr:60)
78Kr36 + 4 D* --> 50Ti22 + 36Ar18 + 60.021 MeV [19.307 MeV] (A_Kr:61)
78Kr36 + 4 D* --> 51V23 + 35Cl17 + 59.578 MeV [18.864 MeV] (A_Kr:62)
78Kr36 + 4 D* --> 50Cr24 + 36S16 + 59.287 MeV [18.573 MeV] (A_Kr:63)
78Kr36 + 4 D* --> 52Cr24 + 34S16 + 63.712 MeV [22.998 MeV] (A_Kr:64)
78Kr36 + 4 D* --> 53Cr24 + 33S16 + 60.234 MeV [19.520 MeV] (A_Kr:65)
78Kr36 + 4 D* --> 54Cr24 + 32S16 + 61.311 MeV [20.597 MeV] (A_Kr:66)
78Kr36 + 4 D* --> 55Mn25 + 31P15 + 60.515 MeV [19.801 MeV] (A_Kr:67)
78Kr36 + 4 D* --> 56Fe26 + 30Si14 + 63.401 MeV [22.687 MeV] (A_Kr:68)
78Kr36 + 4 D* --> 57Fe26 + 29Si14 + 60.438 MeV [19.724 MeV] (A_Kr:69)
78Kr36 + 4 D* --> 58Fe26 + 28Si14 + 62.009 MeV [21.295 MeV] (A_Kr:70)
78Kr36 + 4 D* --> 59Co27 + 27Al13 + 57.788 MeV [17.074 MeV] (A_Kr:71)
78Kr36 + 4 D* --> 60Ni28 + 26Mg12 + 59.050 MeV [18.336 MeV] (A_Kr:72)
78Kr36 + 4 D* --> 61Ni28 + 25Mg12 + 55.777 MeV [15.063 MeV] (A_Kr:73)
78Kr36 + 4 D* --> 62Ni28 + 24Mg12 + 59.043 MeV [18.329 MeV] (A_Kr:74)
78Kr36 + 4 D* --> 63Cu29 + 23Na11 + 53.473 MeV [12.758 MeV] (A_Kr:75)
78Kr36 + 4 D* --> 64Zn30 + 22Ne10 + 52.391 MeV [11.677 MeV] (A_Kr:76)
78Kr36 + 4 D* --> 66Zn30 + 20Ne10 + 54.305 MeV [13.590 MeV] (A_Kr:77)
78Kr36 + 4 D* --> 70Ge32 + 16O8 + 53.663 MeV [12.949 MeV] (A_Kr:78)
78Kr36 + 4 D* --> 74Se34 + 12C6 + 50.576 MeV [9.862 MeV] (A_Kr:79)

78Kr36 + 5 D* --> 45Sc21 + 43Ca20 + 70.975 MeV [19.176 MeV] (A_Kr:80)
78Kr36 + 5 D* --> 47Ti22 + 41K19 + 71.990 MeV [20.191 MeV] (A_Kr:81)
78Kr36 + 5 D* --> 48Ti22 + 40K19 + 73.522 MeV [21.723 MeV] (A_Kr:82)
78Kr36 + 5 D* --> 49Ti22 + 39K19 + 73.865 MeV [22.066 MeV] (A_Kr:83)
78Kr36 + 5 D* --> 50V23 + 38Ar18 + 75.435 MeV [23.636 MeV] (A_Kr:84)
78Kr36 + 5 D* --> 53Cr24 + 35Cl17 + 75.797 MeV [23.998 MeV] (A_Kr:85)
78Kr36 + 5 D* --> 55Mn25 + 33S16 + 75.795 MeV [23.996 MeV] (A_Kr:86)
78Kr36 + 5 D* --> 57Fe26 + 31P15 + 76.120 MeV [24.321 MeV] (A_Kr:87)
78Kr36 + 5 D* --> 59Co27 + 29Si14 + 75.622 MeV [23.823 MeV] (A_Kr:88)
78Kr36 + 5 D* --> 61Ni28 + 27Al13 + 72.916 MeV [21.117 MeV] (A_Kr:89)
78Kr36 + 5 D* --> 63Cu29 + 25Mg12 + 70.271 MeV [18.472 MeV] (A_Kr:90)
78Kr36 + 5 D* --> 74Se34 + 14N7 + 60.848 MeV [9.049 MeV] (A_Kr:91)
78Kr36 + 5 D* --> 78Kr36 + 10B5 + 53.628 MeV [1.829 MeV] (A_Kr:92)

78Kr36 + 6 D* --> 45Sc21 + 45Sc21 + 86.770 MeV [23.533 MeV] (A_Kr:93)
78Kr36 + 6 D* --> 46Ti22 + 44Ca20 + 90.227 MeV [26.989 MeV] (A_Kr:94)
78Kr36 + 6 D* --> 47Ti22 + 43Ca20 + 87.976 MeV [24.738 MeV] (A_Kr:95)
78Kr36 + 6 D* --> 48Ti22 + 42Ca20 + 91.669 MeV [28.432 MeV] (A_Kr:96)
78Kr36 + 6 D* --> 50Ti22 + 40Ca20 + 90.908 MeV [27.670 MeV] (A_Kr:97)
78Kr36 + 6 D* --> 50V23 + 40K19 + 87.391 MeV [24.154 MeV] (A_Kr:98)
78Kr36 + 6 D* --> 51V23 + 39K19 + 90.643 MeV [27.406 MeV] (A_Kr:99)
78Kr36 + 6 D* --> 50Cr24 + 40Ar18 + 89.934 MeV [26.697 MeV] (A_Kr:100)
78Kr36 + 6 D* --> 52Cr24 + 38Ar18 + 94.766 MeV [31.529 MeV] (A_Kr:101)
78Kr36 + 6 D* --> 54Cr24 + 36Ar18 + 91.799 MeV [28.561 MeV] (A_Kr:102)
78Kr36 + 6 D* --> 55Mn25 + 35Cl17 + 91.359 MeV [28.121 MeV] (A_Kr:103)
78Kr36 + 6 D* --> 54Fe26 + 36S16 + 91.551 MeV [28.314 MeV] (A_Kr:104)

78Kr36 + 6 D* --> 56Fe26 + 34S16 + 95.172 MeV [31.934 MeV] (A_Kr:105)
78Kr36 + 6 D* --> 57Fe26 + 33S16 + 91.401 MeV [28.163 MeV] (A_Kr:106)
78Kr36 + 6 D* --> 58Fe26 + 32S16 + 92.804 MeV [29.566 MeV] (A_Kr:107)
78Kr36 + 6 D* --> 59Co27 + 31P15 + 91.304 MeV [28.067 MeV] (A_Kr:108)
78Kr36 + 6 D* --> 60Ni28 + 30Si14 + 93.540 MeV [30.302 MeV] (A_Kr:109)
78Kr36 + 6 D* --> 61Ni28 + 29Si14 + 90.751 MeV [27.513 MeV] (A_Kr:110)
78Kr36 + 6 D* --> 62Ni28 + 28Si14 + 92.873 MeV [29.636 MeV] (A_Kr:111)
78Kr36 + 6 D* --> 63Cu29 + 27Al13 + 87.411 MeV [24.173 MeV] (A_Kr:112)
78Kr36 + 6 D* --> 64Zn30 + 26Mg12 + 86.853 MeV [23.615 MeV] (A_Kr:113)
78Kr36 + 6 D* --> 66Zn30 + 24Mg12 + 87.468 MeV [24.230 MeV] (A_Kr:114)
78Kr36 + 6 D* --> 70Ge32 + 20Ne10 + 82.240 MeV [19.002 MeV] (A_Kr:115)
78Kr36 + 6 D* --> 74Se34 + 16O8 + 81.584 MeV [18.347 MeV] (A_Kr:116)
78Kr36 + 6 D* --> 78Kr36 + 12C6 + 78.814 MeV [15.577 MeV] (A_Kr:117)

78Kr36 + 7 D* --> 47Ti22 + 45Sc21 + 103.771 MeV [28.746 MeV] (A_Kr:118)
78Kr36 + 7 D* --> 50V23 + 42Ca20 + 105.539 MeV [30.514 MeV] (A_Kr:119)
78Kr36 + 7 D* --> 52Cr24 + 40K19 + 106.722 MeV [31.698 MeV] (A_Kr:120)
78Kr36 + 7 D* --> 53Cr24 + 39K19 + 106.862 MeV [31.837 MeV] (A_Kr:121)
78Kr36 + 7 D* --> 57Fe26 + 35Cl17 + 106.964 MeV [31.939 MeV] (A_Kr:122)
78Kr36 + 7 D* --> 59Co27 + 33S16 + 106.585 MeV [31.560 MeV] (A_Kr:123)
78Kr36 + 7 D* --> 61Ni28 + 31P15 + 106.432 MeV [31.407 MeV] (A_Kr:124)
78Kr36 + 7 D* --> 63Cu29 + 29Si14 + 105.245 MeV [30.220 MeV] (A_Kr:125)
78Kr36 + 7 D* --> 78Kr36 + 14N7 + 89.087 MeV [14.062 MeV] (A_Kr:126)

78Kr36 + 8 D* --> 47Ti22 + 47Ti22 + 120.771 MeV [33.614 MeV] (A_Kr:127)
78Kr36 + 8 D* --> 48Ti22 + 46Ti22 + 123.517 MeV [36.360 MeV] (A_Kr:128)
78Kr36 + 8 D* --> 50Cr24 + 44Ca20 + 122.634 MeV [35.477 MeV] (A_Kr:129)
78Kr36 + 8 D* --> 52Cr24 + 42Ca20 + 124.870 MeV [37.713 MeV] (A_Kr:130)
78Kr36 + 8 D* --> 54Cr24 + 40Ca20 + 122.685 MeV [35.528 MeV] (A_Kr:131)
78Kr36 + 8 D* --> 55Mn25 + 39K19 + 122.424 MeV [35.267 MeV] (A_Kr:132)
78Kr36 + 8 D* --> 54Fe26 + 40Ar18 + 122.198 MeV [35.042 MeV] (A_Kr:133)
78Kr36 + 8 D* --> 56Fe26 + 38Ar18 + 126.226 MeV [39.069 MeV] (A_Kr:134)
78Kr36 + 8 D* --> 58Fe26 + 36Ar18 + 123.291 MeV [36.134 MeV] (A_Kr:135)
78Kr36 + 8 D* --> 59Co27 + 35Cl17 + 122.148 MeV [34.991 MeV] (A_Kr:136)
78Kr36 + 8 D* --> 58Ni28 + 36S16 + 121.798 MeV [34.641 MeV] (A_Kr:137)
78Kr36 + 8 D* --> 60Ni28 + 34S16 + 125.310 MeV [38.153 MeV] (A_Kr:138)
78Kr36 + 8 D* --> 61Ni28 + 33S16 + 121.713 MeV [34.556 MeV] (A_Kr:139)
78Kr36 + 8 D* --> 62Ni28 + 32S16 + 123.668 MeV [36.511 MeV] (A_Kr:140)
78Kr36 + 8 D* --> 63Cu29 + 31P15 + 120.926 MeV [33.770 MeV] (A_Kr:141)
78Kr36 + 8 D* --> 64Zn30 + 30Si14 + 121.343 MeV [34.186 MeV] (A_Kr:142)
78Kr36 + 8 D* --> 66Zn30 + 28Si14 + 121.298 MeV [34.141 MeV] (A_Kr:143)
78Kr36 + 8 D* --> 70Ge32 + 24Mg12 + 115.403 MeV [28.246 MeV] (A_Kr:144)
78Kr36 + 8 D* --> 74Se34 + 20Ne10 + 110.161 MeV [23.004 MeV] (A_Kr:145)
78Kr36 + 8 D* --> 78Kr36 + 16O8 + 109.823 MeV [22.666 MeV] (A_Kr:146)

78Kr36 + 9 D* --> 50V23 + 46Ti22 + 137.387 MeV [37.757 MeV] (A_Kr:147)
78Kr36 + 9 D* --> 56Fe26 + 40K19 + 138.182 MeV [38.552 MeV] (A_Kr:148)
78Kr36 + 9 D* --> 57Fe26 + 39K19 + 138.029 MeV [38.399 MeV] (A_Kr:149)
78Kr36 + 9 D* --> 61Ni28 + 35Cl17 + 137.276 MeV [37.646 MeV] (A_Kr:150)
78Kr36 + 9 D* --> 63Cu29 + 33S16 + 136.207 MeV [36.577 MeV] (A_Kr:151)

78Kr36 + 10 D* --> 50Cr24 + 48Ti22 + 155.925 MeV [43.484 MeV] (A_Kr:152)
78Kr36 + 10 D* --> 52Cr24 + 46Ti22 + 156.718 MeV [44.277 MeV] (A_Kr:153)
78Kr36 + 10 D* --> 54Fe26 + 44Ca20 + 154.898 MeV [42.458 MeV] (A_Kr:154)

78Kr36 + 10 D* --> 56Fe26 + 42Ca20 + 156.330 MeV [43.889 MeV] (A_Kr:155)
78Kr36 + 10 D* --> 58Fe26 + 40Ca20 + 154.177 MeV [41.737 MeV] (A_Kr:156)
78Kr36 + 10 D* --> 59Co27 + 39K19 + 153.213 MeV [40.772 MeV] (A_Kr:157)
78Kr36 + 10 D* --> 58Ni28 + 40Ar18 + 152.445 MeV [40.005 MeV] (A_Kr:158)
78Kr36 + 10 D* --> 60Ni28 + 38Ar18 + 156.364 MeV [43.924 MeV] (A_Kr:159)
78Kr36 + 10 D* --> 62Ni28 + 36Ar18 + 154.155 MeV [41.715 MeV] (A_Kr:160)
78Kr36 + 10 D* --> 63Cu29 + 35Cl17 + 151.771 MeV [39.330 MeV] (A_Kr:161)
78Kr36 + 10 D* --> 64Zn30 + 34S16 + 153.113 MeV [40.672 MeV] (A_Kr:162)
78Kr36 + 10 D* --> 66Zn30 + 32S16 + 152.093 MeV [39.652 MeV] (A_Kr:163)
78Kr36 + 10 D* --> 70Ge32 + 28Si14 + 149.233 MeV [36.793 MeV] (A_Kr:164)
78Kr36 + 10 D* --> 74Se34 + 24Mg12 + 143.324 MeV [30.883 MeV] (A_Kr:165)
78Kr36 + 10 D* --> 78Kr36 + 20Ne10 + 138.399 MeV [25.959 MeV] (A_Kr:166)

78Kr36 + 11 D* --> 50V23 + 50Cr24 + 169.794 MeV [44.210 MeV] (A_Kr:167)
78Kr36 + 11 D* --> 50Cr24 + 50V23 + 169.794 MeV [44.210 MeV] (A_Kr:168)
78Kr36 + 11 D* --> 60Ni28 + 40K19 + 168.320 MeV [42.736 MeV] (A_Kr:169)
78Kr36 + 11 D* --> 61Ni28 + 39K19 + 168.341 MeV [42.757 MeV] (A_Kr:170)

78Kr36 + 12 D* --> 52Cr24 + 50Cr24 + 189.125 MeV [50.067 MeV] (A_Kr:171)
78Kr36 + 12 D* --> 54Fe26 + 48Ti22 + 188.189 MeV [49.130 MeV] (A_Kr:172)
78Kr36 + 12 D* --> 56Fe26 + 46Ti22 + 188.178 MeV [49.119 MeV] (A_Kr:173)
78Kr36 + 12 D* --> 58Ni28 + 44Ca20 + 185.145 MeV [46.086 MeV] (A_Kr:174)
78Kr36 + 12 D* --> 60Ni28 + 42Ca20 + 186.468 MeV [47.409 MeV] (A_Kr:175)
78Kr36 + 12 D* --> 62Ni28 + 40Ca20 + 185.041 MeV [45.983 MeV] (A_Kr:176)
78Kr36 + 12 D* --> 63Cu29 + 39K19 + 182.835 MeV [43.777 MeV] (A_Kr:177)
78Kr36 + 12 D* --> 64Zn30 + 38Ar18 + 184.167 MeV [45.108 MeV] (A_Kr:178)
78Kr36 + 12 D* --> 66Zn30 + 36Ar18 + 182.580 MeV [43.521 MeV] (A_Kr:179)
78Kr36 + 12 D* --> 70Ge32 + 32S16 + 180.028 MeV [40.969 MeV] (A_Kr:180)
78Kr36 + 12 D* --> 74Se34 + 28Si14 + 177.154 MeV [38.096 MeV] (A_Kr:181)
78Kr36 + 12 D* --> 78Kr36 + 24Mg12 + 171.562 MeV [32.504 MeV] (A_Kr:182)

80Kr36 + D* --> 65Cu29 + 17O8 + 3.316 MeV [-6.230 MeV] (A_Kr:183)
80Kr36 + D* --> 67Zn30 + 15N7 + 3.022 MeV [-6.524 MeV] (A_Kr:184)
80Kr36 + D* --> 68Zn30 + 14N7 + 2.387 MeV [-7.159 MeV] (A_Kr:185)
80Kr36 + D* --> 69Ga31 + 13C6 + 1.446 MeV [-8.100 MeV] (A_Kr:186)

80Kr36 + 2 D* --> 44Ca20 + 40Ar18 + 24.887 MeV [5.422 MeV] (A_Kr:187)
80Kr36 + 2 D* --> 46Ca20 + 38Ar18 + 26.229 MeV [6.763 MeV] (A_Kr:188)
80Kr36 + 2 D* --> 48Ca20 + 36Ar18 + 22.825 MeV [3.359 MeV] (A_Kr:189)
80Kr36 + 2 D* --> 48Ti22 + 36S16 + 27.531 MeV [8.066 MeV] (A_Kr:190)
80Kr36 + 2 D* --> 50Ti22 + 34S16 + 29.737 MeV [10.272 MeV] (A_Kr:191)
80Kr36 + 2 D* --> 54Cr24 + 30Si14 + 29.744 MeV [10.279 MeV] (A_Kr:192)
80Kr36 + 2 D* --> 58Fe26 + 26Mg12 + 26.747 MeV [7.282 MeV] (A_Kr:193)
80Kr36 + 2 D* --> 62Ni28 + 22Ne10 + 23.150 MeV [3.685 MeV] (A_Kr:194)
80Kr36 + 2 D* --> 64Ni28 + 20Ne10 + 22.520 MeV [3.055 MeV] (A_Kr:195)
80Kr36 + 2 D* --> 65Cu29 + 19F9 + 17.130 MeV [-2.335 MeV] (A_Kr:196)
80Kr36 + 2 D* --> 66Zn30 + 18O8 + 18.060 MeV [-1.405 MeV] (A_Kr:197)
80Kr36 + 2 D* --> 67Zn30 + 17O8 + 17.068 MeV [-2.397 MeV] (A_Kr:198)
80Kr36 + 2 D* --> 68Zn30 + 16O8 + 23.123 MeV [3.658 MeV] (A_Kr:199)
80Kr36 + 2 D* --> 69Ga31 + 15N7 + 17.605 MeV [-1.860 MeV] (A_Kr:200)
80Kr36 + 2 D* --> 72Ge32 + 12C6 + 20.965 MeV [1.500 MeV] (A_Kr:201)
80Kr36 + 2 D* --> 80Kr36 + 4He2 + 23.847 MeV [4.381 MeV] (A_Kr:202)
80Kr36 + 2 D* --> 84Sr38 + 29.023 MeV [9.558 MeV] (A_Kr:203)

80Kr36 + 3 D* --> 46Ca20 + 40K19 + 38.185 MeV [8.432 MeV] (A_Kr:204)
80Kr36 + 3 D* --> 49Ti22 + 37Cl17 + 41.835 MeV [12.082 MeV] (A_Kr:205)
80Kr36 + 3 D* --> 50V23 + 36S16 + 41.400 MeV [11.648 MeV] (A_Kr:206)
80Kr36 + 3 D* --> 65Cu29 + 21Ne10 + 34.510 MeV [4.758 MeV] (A_Kr:207)
80Kr36 + 3 D* --> 67Zn30 + 19F9 + 30.883 MeV [1.130 MeV] (A_Kr:208)
80Kr36 + 3 D* --> 69Ga31 + 17O8 + 31.651 MeV [1.899 MeV] (A_Kr:209)
80Kr36 + 3 D* --> 72Ge32 + 14N7 + 31.237 MeV [1.485 MeV] (A_Kr:210)
80Kr36 + 3 D* --> 76Se34 + 10B5 + 24.716 MeV [-5.037 MeV] (A_Kr:211)
80Kr36 + 3 D* --> 80Kr36 + 6Li3 + 25.320 MeV [-4.432 MeV] (A_Kr:212)
80Kr36 + 3 D* --> 84Sr38 + 2H1 + 29.023 MeV [-0.730 MeV] (A_Kr:213)

80Kr36 + 4 D* --> 44Ca20 + 44Ca20 + 57.587 MeV [17.184 MeV] (A_Kr:214)
80Kr36 + 4 D* --> 46Ca20 + 42Ca20 + 56.333 MeV [15.929 MeV] (A_Kr:215)
80Kr36 + 4 D* --> 48Ca20 + 40Ca20 + 53.711 MeV [13.308 MeV] (A_Kr:216)
80Kr36 + 4 D* --> 48Ti22 + 40Ar18 + 58.178 MeV [17.775 MeV] (A_Kr:217)
80Kr36 + 4 D* --> 50Ti22 + 38Ar18 + 60.792 MeV [20.388 MeV] (A_Kr:218)
80Kr36 + 4 D* --> 51V23 + 37Cl17 + 58.613 MeV [18.210 MeV] (A_Kr:219)
80Kr36 + 4 D* --> 52Cr24 + 36S16 + 60.731 MeV [20.328 MeV] (A_Kr:220)
80Kr36 + 4 D* --> 54Cr24 + 34S16 + 61.515 MeV [21.111 MeV] (A_Kr:221)
80Kr36 + 4 D* --> 58Fe26 + 30Si14 + 61.237 MeV [20.834 MeV] (A_Kr:222)
80Kr36 + 4 D* --> 62Ni28 + 26Mg12 + 57.611 MeV [17.208 MeV] (A_Kr:223)
80Kr36 + 4 D* --> 64Ni28 + 24Mg12 + 55.683 MeV [15.280 MeV] (A_Kr:224)
80Kr36 + 4 D* --> 65Cu29 + 23Na11 + 51.444 MeV [11.041 MeV] (A_Kr:225)
80Kr36 + 4 D* --> 66Zn30 + 22Ne10 + 51.575 MeV [11.171 MeV] (A_Kr:226)
80Kr36 + 4 D* --> 67Zn30 + 21Ne10 + 48.263 MeV [7.859 MeV] (A_Kr:227)
80Kr36 + 4 D* --> 68Zn30 + 20Ne10 + 51.700 MeV [11.296 MeV] (A_Kr:228)
80Kr36 + 4 D* --> 69Ga31 + 19F9 + 45.466 MeV [5.062 MeV] (A_Kr:229)
80Kr36 + 4 D* --> 70Ge32 + 18O8 + 45.995 MeV [5.592 MeV] (A_Kr:230)
80Kr36 + 4 D* --> 72Ge32 + 16O8 + 51.973 MeV [11.570 MeV] (A_Kr:231)
80Kr36 + 4 D* --> 76Se34 + 12C6 + 49.902 MeV [9.499 MeV] (A_Kr:232)
80Kr36 + 4 D* --> 84Sr38 + 4He2 + 52.869 MeV [12.466 MeV] (A_Kr:233)

80Kr36 + 5 D* --> 49Ti22 + 41K19 + 71.904 MeV [20.492 MeV] (A_Kr:234)
80Kr36 + 5 D* --> 50Ti22 + 40K19 + 72.748 MeV [21.336 MeV] (A_Kr:235)
80Kr36 + 5 D* --> 50V23 + 40Ar18 + 72.048 MeV [20.635 MeV] (A_Kr:236)
80Kr36 + 5 D* --> 53Cr24 + 37Cl17 + 74.832 MeV [23.420 MeV] (A_Kr:237)
80Kr36 + 5 D* --> 65Cu29 + 25Mg12 + 68.243 MeV [16.830 MeV] (A_Kr:238)
80Kr36 + 5 D* --> 67Zn30 + 23Na11 + 65.196 MeV [13.784 MeV] (A_Kr:239)
80Kr36 + 5 D* --> 69Ga31 + 21Ne10 + 62.846 MeV [11.433 MeV] (A_Kr:240)
80Kr36 + 5 D* --> 76Se34 + 14N7 + 60.175 MeV [8.762 MeV] (A_Kr:241)
80Kr36 + 5 D* --> 80Kr36 + 10B5 + 53.628 MeV [2.215 MeV] (A_Kr:242)
80Kr36 + 5 D* --> 84Sr38 + 6Li3 + 54.343 MeV [2.931 MeV] (A_Kr:243)

80Kr36 + 6 D* --> 46Ca20 + 46Ti22 + 88.180 MeV [25.405 MeV] (A_Kr:244)
80Kr36 + 6 D* --> 46Ti22 + 46Ca20 + 88.180 MeV [25.405 MeV] (A_Kr:245)
80Kr36 + 6 D* --> 48Ti22 + 44Ca20 + 90.878 MeV [28.102 MeV] (A_Kr:246)
80Kr36 + 6 D* --> 49Ti22 + 43Ca20 + 87.889 MeV [25.114 MeV] (A_Kr:247)
80Kr36 + 6 D* --> 50Ti22 + 42Ca20 + 90.896 MeV [28.120 MeV] (A_Kr:248)
80Kr36 + 6 D* --> 51V23 + 41K19 + 88.682 MeV [25.907 MeV] (A_Kr:249)
80Kr36 + 6 D* --> 52Cr24 + 40Ar18 + 91.379 MeV [28.603 MeV] (A_Kr:250)
80Kr36 + 6 D* --> 54Cr24 + 38Ar18 + 92.569 MeV [29.793 MeV] (A_Kr:251)
80Kr36 + 6 D* --> 55Mn25 + 37Cl17 + 90.394 MeV [27.618 MeV] (A_Kr:252)
80Kr36 + 6 D* --> 56Fe26 + 36S16 + 92.191 MeV [29.416 MeV] (A_Kr:253)
80Kr36 + 6 D* --> 58Fe26 + 34S16 + 93.007 MeV [30.231 MeV] (A_Kr:254)

80Kr36 + 6 D* --> 62Ni28 + 30Si14 + 92.101 MeV [29.325 MeV] (A_Kr:255)
80Kr36 + 6 D* --> 64Ni28 + 28Si14 + 89.514 MeV [26.738 MeV] (A_Kr:256)
80Kr36 + 6 D* --> 65Cu29 + 27Al13 + 85.382 MeV [22.606 MeV] (A_Kr:257)
80Kr36 + 6 D* --> 66Zn30 + 26Mg12 + 86.036 MeV [23.260 MeV] (A_Kr:258)
80Kr36 + 6 D* --> 67Zn30 + 25Mg12 + 81.995 MeV [19.219 MeV] (A_Kr:259)
80Kr36 + 6 D* --> 68Zn30 + 24Mg12 + 84.863 MeV [22.087 MeV] (A_Kr:260)
80Kr36 + 6 D* --> 69Ga31 + 23Na11 + 79.779 MeV [17.004 MeV] (A_Kr:261)
80Kr36 + 6 D* --> 70Ge32 + 22Ne10 + 79.510 MeV [16.734 MeV] (A_Kr:262)
80Kr36 + 6 D* --> 72Ge32 + 20Ne10 + 80.550 MeV [17.774 MeV] (A_Kr:263)
80Kr36 + 6 D* --> 74Se34 + 18O8 + 73.916 MeV [11.140 MeV] (A_Kr:264)
80Kr36 + 6 D* --> 76Se34 + 16O8 + 80.911 MeV [18.135 MeV] (A_Kr:265)
80Kr36 + 6 D* --> 80Kr36 + 12C6 + 78.814 MeV [16.039 MeV] (A_Kr:266)
80Kr36 + 6 D* --> 92Mo42 + 87.727 MeV [24.951 MeV] (A_Kr:267)

80Kr36 + 7 D* --> 49Ti22 + 45Sc21 + 103.684 MeV [29.195 MeV] (A_Kr:268)
80Kr36 + 7 D* --> 50V23 + 44Ca20 + 104.748 MeV [30.259 MeV] (A_Kr:269)
80Kr36 + 7 D* --> 51V23 + 43Ca20 + 104.668 MeV [30.179 MeV] (A_Kr:270)
80Kr36 + 7 D* --> 53Cr24 + 41K19 + 104.901 MeV [30.413 MeV] (A_Kr:271)
80Kr36 + 7 D* --> 54Cr24 + 40K19 + 104.525 MeV [30.037 MeV] (A_Kr:272)
80Kr36 + 7 D* --> 57Fe26 + 37Cl17 + 105.999 MeV [31.511 MeV] (A_Kr:273)
80Kr36 + 7 D* --> 65Cu29 + 29Si14 + 103.216 MeV [28.728 MeV] (A_Kr:274)
80Kr36 + 7 D* --> 67Zn30 + 27Al13 + 99.135 MeV [24.646 MeV] (A_Kr:275)
80Kr36 + 7 D* --> 69Ga31 + 25Mg12 + 96.578 MeV [22.089 MeV] (A_Kr:276)
80Kr36 + 7 D* --> 80Kr36 + 14N7 + 89.087 MeV [14.598 MeV] (A_Kr:277)
80Kr36 + 7 D* --> 84Sr38 + 10B5 + 82.651 MeV [8.162 MeV] (A_Kr:278)
80Kr36 + 7 D* --> 92Mo42 + 2H1 + 87.727 MeV [13.238 MeV] (A_Kr:279)

80Kr36 + 8 D* --> 48Ti22 + 48Ti22 + 124.169 MeV [37.621 MeV] (A_Kr:280)
80Kr36 + 8 D* --> 49Ti22 + 47Ti22 + 120.684 MeV [34.137 MeV] (A_Kr:281)
80Kr36 + 8 D* --> 50Ti22 + 46Ti22 + 122.743 MeV [36.196 MeV] (A_Kr:282)
80Kr36 + 8 D* --> 51V23 + 45Sc21 + 120.462 MeV [33.915 MeV] (A_Kr:283)
80Kr36 + 8 D* --> 50Cr24 + 46Ca20 + 120.588 MeV [34.040 MeV] (A_Kr:284)
80Kr36 + 8 D* --> 52Cr24 + 44Ca20 + 124.079 MeV [37.531 MeV] (A_Kr:285)
80Kr36 + 8 D* --> 53Cr24 + 43Ca20 + 120.887 MeV [34.339 MeV] (A_Kr:286)
80Kr36 + 8 D* --> 54Cr24 + 42Ca20 + 122.673 MeV [36.126 MeV] (A_Kr:287)
80Kr36 + 8 D* --> 55Mn25 + 41K19 + 120.463 MeV [33.916 MeV] (A_Kr:288)
80Kr36 + 8 D* --> 56Fe26 + 40Ar18 + 122.839 MeV [36.291 MeV] (A_Kr:289)
80Kr36 + 8 D* --> 58Fe26 + 38Ar18 + 124.061 MeV [37.514 MeV] (A_Kr:290)
80Kr36 + 8 D* --> 59Co27 + 37Cl17 + 121.183 MeV [34.636 MeV] (A_Kr:291)
80Kr36 + 8 D* --> 60Ni28 + 36S16 + 122.329 MeV [35.782 MeV] (A_Kr:292)
80Kr36 + 8 D* --> 62Ni28 + 34S16 + 123.871 MeV [37.324 MeV] (A_Kr:293)
80Kr36 + 8 D* --> 64Ni28 + 32S16 + 120.308 MeV [33.761 MeV] (A_Kr:294)
80Kr36 + 8 D* --> 65Cu29 + 31P15 + 118.898 MeV [32.350 MeV] (A_Kr:295)
80Kr36 + 8 D* --> 66Zn30 + 30Si14 + 120.526 MeV [33.978 MeV] (A_Kr:296)
80Kr36 + 8 D* --> 67Zn30 + 29Si14 + 116.969 MeV [30.421 MeV] (A_Kr:297)
80Kr36 + 8 D* --> 68Zn30 + 28Si14 + 118.693 MeV [32.146 MeV] (A_Kr:298)
80Kr36 + 8 D* --> 69Ga31 + 27Al13 + 113.718 MeV [27.170 MeV] (A_Kr:299)
80Kr36 + 8 D* --> 70Ge32 + 26Mg12 + 113.971 MeV [27.424 MeV] (A_Kr:300)
80Kr36 + 8 D* --> 72Ge32 + 24Mg12 + 113.713 MeV [27.165 MeV] (A_Kr:301)
80Kr36 + 8 D* --> 74Se34 + 22Ne10 + 107.431 MeV [20.883 MeV] (A_Kr:302)
80Kr36 + 8 D* --> 76Se34 + 20Ne10 + 109.487 MeV [22.940 MeV] (A_Kr:303)
80Kr36 + 8 D* --> 78Kr36 + 18O8 + 102.155 MeV [15.607 MeV] (A_Kr:304)
80Kr36 + 8 D* --> 80Kr36 + 16O8 + 109.823 MeV [23.275 MeV] (A_Kr:305)
80Kr36 + 8 D* --> 84Sr38 + 12C6 + 107.837 MeV [21.290 MeV] (A_Kr:306)

80Kr36 + 8 D* --> 92Mo42 + 4He2 + 111.573 MeV [25.026 MeV] (A_Kr:307)
80Kr36 + 8 D* --> 96Ru44 + 113.265 MeV [26.718 MeV] (A_Kr:308)

80Kr36 + 9 D* --> 50V23 + 48Ti22 + 138.038 MeV [39.091 MeV] (A_Kr:309)
80Kr36 + 9 D* --> 51V23 + 47Ti22 + 137.463 MeV [38.515 MeV] (A_Kr:310)
80Kr36 + 9 D* --> 53Cr24 + 45Sc21 + 136.682 MeV [37.734 MeV] (A_Kr:311)
80Kr36 + 9 D* --> 55Mn25 + 43Ca20 + 136.448 MeV [37.501 MeV] (A_Kr:312)
80Kr36 + 9 D* --> 57Fe26 + 41K19 + 136.068 MeV [37.121 MeV] (A_Kr:313)
80Kr36 + 9 D* --> 58Fe26 + 40K19 + 136.018 MeV [37.070 MeV] (A_Kr:314)
80Kr36 + 9 D* --> 61Ni28 + 37Cl17 + 136.311 MeV [37.364 MeV] (A_Kr:315)
80Kr36 + 9 D* --> 65Cu29 + 33S16 + 134.179 MeV [35.231 MeV] (A_Kr:316)
80Kr36 + 9 D* --> 67Zn30 + 31P15 + 132.650 MeV [33.703 MeV] (A_Kr:317)
80Kr36 + 9 D* --> 69Ga31 + 29Si14 + 131.552 MeV [32.604 MeV] (A_Kr:318)
80Kr36 + 9 D* --> 84Sr38 + 14N7 + 118.109 MeV [19.162 MeV] (A_Kr:319)
80Kr36 + 9 D* --> 92Mo42 + 6Li3 + 113.047 MeV [14.100 MeV] (A_Kr:320)
80Kr36 + 9 D* --> 96Ru44 + 2H1 + 113.265 MeV [14.318 MeV] (A_Kr:321)

80Kr36 + 10 D* --> 50Ti22 + 50Cr24 + 155.151 MeV [43.465 MeV] (A_Kr:322)
80Kr36 + 10 D* --> 50V23 + 50V23 + 151.908 MeV [40.222 MeV] (A_Kr:323)
80Kr36 + 10 D* --> 50Cr24 + 50Ti22 + 155.151 MeV [43.465 MeV] (A_Kr:324)
80Kr36 + 10 D* --> 52Cr24 + 48Ti22 + 157.369 MeV [45.683 MeV] (A_Kr:325)
80Kr36 + 10 D* --> 53Cr24 + 47Ti22 + 153.682 MeV [41.996 MeV] (A_Kr:326)
80Kr36 + 10 D* --> 54Cr24 + 46Ti22 + 154.521 MeV [42.835 MeV] (A_Kr:327)
80Kr36 + 10 D* --> 55Mn25 + 45Sc21 + 152.243 MeV [40.557 MeV] (A_Kr:328)
80Kr36 + 10 D* --> 54Fe26 + 46Ca20 + 152.852 MeV [41.166 MeV] (A_Kr:329)
80Kr36 + 10 D* --> 56Fe26 + 44Ca20 + 155.539 MeV [43.853 MeV] (A_Kr:330)
80Kr36 + 10 D* --> 57Fe26 + 43Ca20 + 152.053 MeV [40.368 MeV] (A_Kr:331)
80Kr36 + 10 D* --> 58Fe26 + 42Ca20 + 154.165 MeV [42.479 MeV] (A_Kr:332)
80Kr36 + 10 D* --> 59Co27 + 41K19 + 151.252 MeV [39.566 MeV] (A_Kr:333)
80Kr36 + 10 D* --> 60Ni28 + 40Ar18 + 152.977 MeV [41.291 MeV] (A_Kr:334)
80Kr36 + 10 D* --> 62Ni28 + 38Ar18 + 154.925 MeV [43.239 MeV] (A_Kr:335)
80Kr36 + 10 D* --> 64Ni28 + 36Ar18 + 150.796 MeV [39.110 MeV] (A_Kr:336)
80Kr36 + 10 D* --> 63Cu29 + 37Cl17 + 150.806 MeV [39.120 MeV] (A_Kr:337)
80Kr36 + 10 D* --> 65Cu29 + 35Cl17 + 149.742 MeV [38.056 MeV] (A_Kr:338)
80Kr36 + 10 D* --> 64Zn30 + 36S16 + 150.132 MeV [38.447 MeV] (A_Kr:339)
80Kr36 + 10 D* --> 66Zn30 + 34S16 + 152.296 MeV [40.610 MeV] (A_Kr:340)
80Kr36 + 10 D* --> 67Zn30 + 33S16 + 147.931 MeV [36.245 MeV] (A_Kr:341)
80Kr36 + 10 D* --> 68Zn30 + 32S16 + 149.488 MeV [37.802 MeV] (A_Kr:342)
80Kr36 + 10 D* --> 69Ga31 + 31P15 + 147.233 MeV [35.547 MeV] (A_Kr:343)
80Kr36 + 10 D* --> 70Ge32 + 30Si14 + 148.461 MeV [36.775 MeV] (A_Kr:344)
80Kr36 + 10 D* --> 72Ge32 + 28Si14 + 147.543 MeV [35.858 MeV] (A_Kr:345)
80Kr36 + 10 D* --> 74Se34 + 26Mg12 + 141.892 MeV [30.206 MeV] (A_Kr:346)
80Kr36 + 10 D* --> 76Se34 + 24Mg12 + 142.650 MeV [30.964 MeV] (A_Kr:347)
80Kr36 + 10 D* --> 78Kr36 + 22Ne10 + 135.669 MeV [23.983 MeV] (A_Kr:348)
80Kr36 + 10 D* --> 80Kr36 + 20Ne10 + 138.399 MeV [26.713 MeV] (A_Kr:349)
80Kr36 + 10 D* --> 84Sr38 + 16O8 + 138.846 MeV [27.160 MeV] (A_Kr:350)
80Kr36 + 10 D* --> 96Ru44 + 4He2 + 137.112 MeV [25.426 MeV] (A_Kr:351)

80Kr36 + 11 D* --> 52Cr24 + 50V23 + 171.239 MeV [46.481 MeV] (A_Kr:352)
80Kr36 + 11 D* --> 55Mn25 + 47Ti22 + 169.243 MeV [44.485 MeV] (A_Kr:353)
80Kr36 + 11 D* --> 57Fe26 + 45Sc21 + 167.848 MeV [43.090 MeV] (A_Kr:354)
80Kr36 + 11 D* --> 59Co27 + 43Ca20 + 167.237 MeV [42.479 MeV] (A_Kr:355)
80Kr36 + 11 D* --> 61Ni28 + 41K19 + 166.380 MeV [41.622 MeV] (A_Kr:356)
80Kr36 + 11 D* --> 62Ni28 + 40K19 + 166.882 MeV [42.123 MeV] (A_Kr:357)

80Kr36 + 11 D* --> 67Zn30 + 35Cl17 + 163.494 MeV [38.736 MeV] (A_Kr:358)
80Kr36 + 11 D* --> 69Ga31 + 33S16 + 162.514 MeV [37.756 MeV] (A_Kr:359)
80Kr36 + 11 D* --> 92Mo42 + 10B5 + 141.355 MeV [16.596 MeV] (A_Kr:360)
80Kr36 + 11 D* --> 96Ru44 + 6Li3 + 138.586 MeV [13.827 MeV] (A_Kr:361)

80Kr36 + 12 D* --> 52Cr24 + 52Cr24 + 190.570 MeV [52.409 MeV] (A_Kr:362)
80Kr36 + 12 D* --> 54Cr24 + 50Cr24 + 186.928 MeV [48.767 MeV] (A_Kr:363)
80Kr36 + 12 D* --> 54Fe26 + 50Ti22 + 187.415 MeV [49.254 MeV] (A_Kr:364)
80Kr36 + 12 D* --> 56Fe26 + 48Ti22 + 188.829 MeV [50.668 MeV] (A_Kr:365)
80Kr36 + 12 D* --> 57Fe26 + 47Ti22 + 184.849 MeV [46.687 MeV] (A_Kr:366)
80Kr36 + 12 D* --> 58Fe26 + 46Ti22 + 186.013 MeV [47.851 MeV] (A_Kr:367)
80Kr36 + 12 D* --> 59Co27 + 45Sc21 + 183.032 MeV [44.871 MeV] (A_Kr:368)
80Kr36 + 12 D* --> 58Ni28 + 46Ca20 + 183.099 MeV [44.937 MeV] (A_Kr:369)
80Kr36 + 12 D* --> 60Ni28 + 44Ca20 + 185.677 MeV [47.515 MeV] (A_Kr:370)
80Kr36 + 12 D* --> 61Ni28 + 43Ca20 + 182.366 MeV [44.204 MeV] (A_Kr:371)
80Kr36 + 12 D* --> 62Ni28 + 42Ca20 + 185.029 MeV [46.868 MeV] (A_Kr:372)
80Kr36 + 12 D* --> 64Ni28 + 40Ca20 + 181.682 MeV [43.520 MeV] (A_Kr:373)
80Kr36 + 12 D* --> 63Cu29 + 41K19 + 180.875 MeV [42.713 MeV] (A_Kr:374)
80Kr36 + 12 D* --> 65Cu29 + 39K19 + 180.807 MeV [42.645 MeV] (A_Kr:375)
80Kr36 + 12 D* --> 64Zn30 + 40Ar18 + 180.780 MeV [42.618 MeV] (A_Kr:376)
80Kr36 + 12 D* --> 66Zn30 + 38Ar18 + 183.350 MeV [45.189 MeV] (A_Kr:377)
80Kr36 + 12 D* --> 68Zn30 + 36Ar18 + 179.975 MeV [41.813 MeV] (A_Kr:378)
80Kr36 + 12 D* --> 69Ga31 + 35Cl17 + 178.077 MeV [39.916 MeV] (A_Kr:379)
80Kr36 + 12 D* --> 70Ge32 + 34S16 + 180.231 MeV [42.070 MeV] (A_Kr:380)
80Kr36 + 12 D* --> 72Ge32 + 32S16 + 178.338 MeV [40.176 MeV] (A_Kr:381)
80Kr36 + 12 D* --> 74Se34 + 30Si14 + 176.382 MeV [38.220 MeV] (A_Kr:382)
80Kr36 + 12 D* --> 76Se34 + 28Si14 + 176.481 MeV [38.319 MeV] (A_Kr:383)
80Kr36 + 12 D* --> 78Kr36 + 26Mg12 + 170.130 MeV [31.969 MeV] (A_Kr:384)
80Kr36 + 12 D* --> 80Kr36 + 24Mg12 + 171.562 MeV [33.401 MeV] (A_Kr:385)
80Kr36 + 12 D* --> 84Sr38 + 20Ne10 + 167.422 MeV [29.260 MeV] (A_Kr:386)
80Kr36 + 12 D* --> 92Mo42 + 12C6 + 166.541 MeV [28.380 MeV] (A_Kr:387)

82Kr36 + D* --> 83Kr36 + 1H1 + 5.239 MeV [-4.231 MeV] (A_Kr:388)

82Kr36 + 2 D* --> 46Ca20 + 40Ar18 + 23.857 MeV [4.544 MeV] (A_Kr:389)
82Kr36 + 2 D* --> 48Ca20 + 38Ar18 + 24.611 MeV [5.298 MeV] (A_Kr:390)
82Kr36 + 2 D* --> 50Ti22 + 36S16 + 27.773 MeV [8.460 MeV] (A_Kr:391)
82Kr36 + 2 D* --> 64Ni28 + 22Ne10 + 20.806 MeV [1.493 MeV] (A_Kr:392)
82Kr36 + 2 D* --> 68Zn30 + 18O8 + 16.471 MeV [-2.842 MeV] (A_Kr:393)
82Kr36 + 2 D* --> 70Zn30 + 16O8 + 19.984 MeV [00.671 MeV] (A_Kr:394)
82Kr36 + 2 D* --> 71Ga31 + 15N7 + 15.721 MeV [-3.592 MeV] (A_Kr:395)
82Kr36 + 2 D* --> 73Ge32 + 13C6 + 13.854 MeV [-5.459 MeV] (A_Kr:396)
82Kr36 + 2 D* --> 74Ge32 + 12C6 + 19.104 MeV [-0.209 MeV] (A_Kr:397)
82Kr36 + 2 D* --> 75As33 + 11B5 + 10.046 MeV [-9.267 MeV] (A_Kr:398)
82Kr36 + 2 D* --> 77Se34 + 9Be4 + 8.934 MeV [-10.379 MeV] (A_Kr:399)
82Kr36 + 2 D* --> 79Br35 + 7Li3 + 6.842 MeV [-12.471 MeV] (A_Kr:400)
82Kr36 + 2 D* --> 82Kr36 + 4He2 + 23.847 MeV [4.533 MeV] (A_Kr:401)
82Kr36 + 2 D* --> 83Kr36 + 3He2 + 10.732 MeV [-8.581 MeV] (A_Kr:402)
82Kr36 + 2 D* --> 85Rb37 + 1H1 + 20.560 MeV [1.247 MeV] (A_Kr:403)
82Kr36 + 2 D* --> 86Sr38 + 30.206 MeV [10.892 MeV] (A_Kr:404)

82Kr36 + 3 D* --> 48Ca20 + 40K19 + 36.567 MeV [7.042 MeV] (A_Kr:405)
82Kr36 + 3 D* --> 71Ga31 + 17O8 + 29.767 MeV [00.241 MeV] (A_Kr:406)
82Kr36 + 3 D* --> 73Ge32 + 15N7 + 30.014 MeV [00.488 MeV] (A_Kr:407)

82Kr36 + 3 D* --> 74Ge32 + 14N7 + 29.377 MeV [-0.149 MeV] (A_Kr:408)
82Kr36 + 3 D* --> 75As33 + 13C6 + 28.725 MeV [-0.800 MeV] (A_Kr:409)
82Kr36 + 3 D* --> 77Se34 + 11B5 + 24.749 MeV [-4.776 MeV] (A_Kr:410)
82Kr36 + 3 D* --> 78Se34 + 10B5 + 23.793 MeV [-5.732 MeV] (A_Kr:411)
82Kr36 + 3 D* --> 79Br35 + 9Be4 + 23.539 MeV [-5.987 MeV] (A_Kr:412)
82Kr36 + 3 D* --> 82Kr36 + 6Li3 + 25.320 MeV [-4.205 MeV] (A_Kr:413)
82Kr36 + 3 D* --> 85Rb37 + 3He2 + 26.054 MeV [-3.472 MeV] (A_Kr:414)
82Kr36 + 3 D* --> 86Sr38 + 2H1 + 30.206 MeV [00.680 MeV] (A_Kr:415)
82Kr36 + 3 D* --> 87Sr38 + 1H1 + 36.409 MeV [6.884 MeV] (A_Kr:416)

82Kr36 + 4 D* --> 46Ca20 + 44Ca20 + 56.557 MeV [16.455 MeV] (A_Kr:417)
82Kr36 + 4 D* --> 48Ca20 + 42Ca20 + 54.715 MeV [14.613 MeV] (A_Kr:418)
82Kr36 + 4 D* --> 50Ti22 + 40Ar18 + 58.420 MeV [18.318 MeV] (A_Kr:419)
82Kr36 + 4 D* --> 54Cr24 + 36S16 + 59.550 MeV [19.448 MeV] (A_Kr:420)
82Kr36 + 4 D* --> 64Ni28 + 26Mg12 + 55.267 MeV [15.166 MeV] (A_Kr:421)
82Kr36 + 4 D* --> 68Zn30 + 22Ne10 + 49.985 MeV [9.884 MeV] (A_Kr:422)
82Kr36 + 4 D* --> 70Zn30 + 20Ne10 + 48.560 MeV [8.458 MeV] (A_Kr:423)
82Kr36 + 4 D* --> 71Ga31 + 19F9 + 43.581 MeV [3.479 MeV] (A_Kr:424)
82Kr36 + 4 D* --> 72Ge32 + 18O8 + 45.321 MeV [5.219 MeV] (A_Kr:425)
82Kr36 + 4 D* --> 73Ge32 + 17O8 + 44.060 MeV [3.958 MeV] (A_Kr:426)
82Kr36 + 4 D* --> 74Ge32 + 16O8 + 50.113 MeV [10.011 MeV] (A_Kr:427)
82Kr36 + 4 D* --> 75As33 + 15N7 + 44.884 MeV [4.783 MeV] (A_Kr:428)
82Kr36 + 4 D* --> 77Se34 + 13C6 + 43.428 MeV [3.326 MeV] (A_Kr:429)
82Kr36 + 4 D* --> 78Se34 + 12C6 + 48.979 MeV [8.878 MeV] (A_Kr:430)
82Kr36 + 4 D* --> 79Br35 + 11B5 + 39.354 MeV [-0.748 MeV] (A_Kr:431)
82Kr36 + 4 D* --> 86Sr38 + 4He2 + 54.052 MeV [13.950 MeV] (A_Kr:432)
82Kr36 + 4 D* --> 87Sr38 + 3He2 + 41.903 MeV [1.801 MeV] (A_Kr:433)
82Kr36 + 4 D* --> 89Y39 + 1H1 + 52.366 MeV [12.264 MeV] (A_Kr:434)
82Kr36 + 4 D* --> 90Zr40 + 60.721 MeV [20.619 MeV] (A_Kr:435)

82Kr36 + 5 D* --> 71Ga31 + 21Ne10 + 60.961 MeV [9.924 MeV] (A_Kr:436)
82Kr36 + 5 D* --> 73Ge32 + 19F9 + 57.874 MeV [6.837 MeV] (A_Kr:437)
82Kr36 + 5 D* --> 75As33 + 17O8 + 58.930 MeV [7.893 MeV] (A_Kr:438)
82Kr36 + 5 D* --> 77Se34 + 15N7 + 59.587 MeV [8.550 MeV] (A_Kr:439)
82Kr36 + 5 D* --> 78Se34 + 14N7 + 59.252 MeV [8.215 MeV] (A_Kr:440)
82Kr36 + 5 D* --> 79Br35 + 13C6 + 58.033 MeV [6.995 MeV] (A_Kr:441)
82Kr36 + 5 D* --> 82Kr36 + 10B5 + 53.628 MeV [2.591 MeV] (A_Kr:442)
82Kr36 + 5 D* --> 86Sr38 + 6Li3 + 55.526 MeV [4.489 MeV] (A_Kr:443)
82Kr36 + 5 D* --> 89Y39 + 3He2 + 57.860 MeV [6.822 MeV] (A_Kr:444)
82Kr36 + 5 D* --> 90Zr40 + 2H1 + 60.721 MeV [9.683 MeV] (A_Kr:445)
82Kr36 + 5 D* --> 91Zr40 + 1H1 + 65.691 MeV [14.653 MeV] (A_Kr:446)

82Kr36 + 6 D* --> 48Ca20 + 46Ti22 + 86.562 MeV [24.235 MeV] (A_Kr:447)
82Kr36 + 6 D* --> 48Ti22 + 46Ca20 + 89.848 MeV [27.520 MeV] (A_Kr:448)
82Kr36 + 6 D* --> 50Ti22 + 44Ca20 + 91.120 MeV [28.793 MeV] (A_Kr:449)
82Kr36 + 6 D* --> 54Cr24 + 40Ar18 + 90.197 MeV [27.870 MeV] (A_Kr:450)
82Kr36 + 6 D* --> 58Fe26 + 36S16 + 91.042 MeV [28.715 MeV] (A_Kr:451)
82Kr36 + 6 D* --> 64Ni28 + 30Si14 + 89.757 MeV [27.430 MeV] (A_Kr:452)
82Kr36 + 6 D* --> 68Zn30 + 26Mg12 + 84.447 MeV [22.119 MeV] (A_Kr:453)
82Kr36 + 6 D* --> 70Zn30 + 24Mg12 + 81.723 MeV [19.396 MeV] (A_Kr:454)
82Kr36 + 6 D* --> 71Ga31 + 23Na11 + 77.895 MeV [15.568 MeV] (A_Kr:455)
82Kr36 + 6 D* --> 72Ge32 + 22Ne10 + 78.835 MeV [16.508 MeV] (A_Kr:456)
82Kr36 + 6 D* --> 73Ge32 + 21Ne10 + 75.254 MeV [12.927 MeV] (A_Kr:457)
82Kr36 + 6 D* --> 74Ge32 + 20Ne10 + 78.689 MeV [16.362 MeV] (A_Kr:458)

82Kr36 + 6 D* --> 75As33 + 19F9 + 72.745 MeV [10.417 MeV] (A_Kr:459)
82Kr36 + 6 D* --> 76Se34 + 18O8 + 74.258 MeV [11.931 MeV] (A_Kr:460)
82Kr36 + 6 D* --> 77Se34 + 17O8 + 73.633 MeV [11.306 MeV] (A_Kr:461)
82Kr36 + 6 D* --> 78Se34 + 16O8 + 79.988 MeV [17.661 MeV] (A_Kr:462)
82Kr36 + 6 D* --> 79Br35 + 15N7 + 74.192 MeV [11.865 MeV] (A_Kr:463)
82Kr36 + 6 D* --> 82Kr36 + 12C6 + 78.814 MeV [16.487 MeV] (A_Kr:464)
82Kr36 + 6 D* --> 90Zr40 + 4He2 + 84.567 MeV [22.240 MeV] (A_Kr:465)
82Kr36 + 6 D* --> 91Zr40 + 3He2 + 71.184 MeV [8.857 MeV] (A_Kr:466)
82Kr36 + 6 D* --> 93Nb41 + 1H1 + 78.144 MeV [15.817 MeV] (A_Kr:467)
82Kr36 + 6 D* --> 94Mo42 + 86.635 MeV [24.307 MeV] (A_Kr:468)

82Kr36 + 7 D* --> 50V23 + 46Ca20 + 103.717 MeV [29.749 MeV] (A_Kr:469)
82Kr36 + 7 D* --> 71Ga31 + 25Mg12 + 94.694 MeV [20.726 MeV] (A_Kr:470)
82Kr36 + 7 D* --> 73Ge32 + 23Na11 + 92.188 MeV [18.220 MeV] (A_Kr:471)
82Kr36 + 7 D* --> 75As33 + 21Ne10 + 90.125 MeV [16.157 MeV] (A_Kr:472)
82Kr36 + 7 D* --> 77Se34 + 19F9 + 87.448 MeV [13.480 MeV] (A_Kr:473)
82Kr36 + 7 D* --> 79Br35 + 17O8 + 88.238 MeV [14.270 MeV] (A_Kr:474)
82Kr36 + 7 D* --> 82Kr36 + 14N7 + 89.087 MeV [15.119 MeV] (A_Kr:475)
82Kr36 + 7 D* --> 86Sr38 + 10B5 + 83.833 MeV [9.866 MeV] (A_Kr:476)
82Kr36 + 7 D* --> 90Zr40 + 6Li3 + 86.041 MeV [12.073 MeV] (A_Kr:477)
82Kr36 + 7 D* --> 93Nb41 + 3He2 + 83.638 MeV [9.670 MeV] (A_Kr:478)
82Kr36 + 7 D* --> 94Mo42 + 2H1 + 86.635 MeV [12.667 MeV] (A_Kr:479)
82Kr36 + 7 D* --> 95Mo42 + 1H1 + 91.779 MeV [17.811 MeV] (A_Kr:480)

82Kr36 + 8 D* --> 49Ti22 + 49Ti22 + 121.614 MeV [35.659 MeV] (A_Kr:481)
82Kr36 + 8 D* --> 50Ti22 + 48Ti22 + 124.411 MeV [38.456 MeV] (A_Kr:482)
82Kr36 + 8 D* --> 50Cr24 + 48Ca20 + 118.970 MeV [33.015 MeV] (A_Kr:483)
82Kr36 + 8 D* --> 52Cr24 + 46Ca20 + 123.048 MeV [37.094 MeV] (A_Kr:484)
82Kr36 + 8 D* --> 54Cr24 + 44Ca20 + 122.897 MeV [36.943 MeV] (A_Kr:485)
82Kr36 + 8 D* --> 58Fe26 + 40Ar18 + 121.690 MeV [35.735 MeV] (A_Kr:486)
82Kr36 + 8 D* --> 62Ni28 + 36S16 + 121.906 MeV [35.952 MeV] (A_Kr:487)
82Kr36 + 8 D* --> 64Ni28 + 34S16 + 121.527 MeV [35.573 MeV] (A_Kr:488)
82Kr36 + 8 D* --> 68Zn30 + 30Si14 + 118.936 MeV [32.982 MeV] (A_Kr:489)
82Kr36 + 8 D* --> 70Zn30 + 28Si14 + 115.554 MeV [29.599 MeV] (A_Kr:490)
82Kr36 + 8 D* --> 71Ga31 + 27Al13 + 111.833 MeV [25.879 MeV] (A_Kr:491)
82Kr36 + 8 D* --> 72Ge32 + 26Mg12 + 113.297 MeV [27.342 MeV] (A_Kr:492)
82Kr36 + 8 D* --> 73Ge32 + 25Mg12 + 108.987 MeV [23.032 MeV] (A_Kr:493)
82Kr36 + 8 D* --> 74Ge32 + 24Mg12 + 111.852 MeV [25.898 MeV] (A_Kr:494)
82Kr36 + 8 D* --> 75As33 + 23Na11 + 107.059 MeV [21.104 MeV] (A_Kr:495)
82Kr36 + 8 D* --> 76Se34 + 22Ne10 + 107.773 MeV [21.818 MeV] (A_Kr:496)
82Kr36 + 8 D* --> 77Se34 + 21Ne10 + 104.828 MeV [18.873 MeV] (A_Kr:497)
82Kr36 + 8 D* --> 78Se34 + 20Ne10 + 108.564 MeV [22.610 MeV] (A_Kr:498)
82Kr36 + 8 D* --> 79Br35 + 19F9 + 102.052 MeV [16.098 MeV] (A_Kr:499)
82Kr36 + 8 D* --> 80Kr36 + 18O8 + 103.170 MeV [17.216 MeV] (A_Kr:500)
82Kr36 + 8 D* --> 82Kr36 + 16O8 + 109.823 MeV [23.868 MeV] (A_Kr:501)
82Kr36 + 8 D* --> 86Sr38 + 12C6 + 109.020 MeV [23.065 MeV] (A_Kr:502)
82Kr36 + 8 D* --> 94Mo42 + 4He2 + 110.481 MeV [24.527 MeV] (A_Kr:503)
82Kr36 + 8 D* --> 95Mo42 + 3He2 + 97.273 MeV [11.318 MeV] (A_Kr:504)
82Kr36 + 8 D* --> 98Ru44 + 112.721 MeV [26.766 MeV] (A_Kr:505)

82Kr36 + 9 D* --> 50Ti22 + 50V23 + 138.280 MeV [39.997 MeV] (A_Kr:506)
82Kr36 + 9 D* --> 50V23 + 50Ti22 + 138.280 MeV [39.997 MeV] (A_Kr:507)
82Kr36 + 9 D* --> 51V23 + 49Ti22 + 138.392 MeV [40.109 MeV] (A_Kr:508)
82Kr36 + 9 D* --> 71Ga31 + 29Si14 + 129.667 MeV [31.384 MeV] (A_Kr:509)

82Kr36 + 9 D* --> 73Ge32 + 27Al13 + 126.126 MeV [27.843 MeV] (A_Kr:510)
82Kr36 + 9 D* --> 75As33 + 25Mg12 + 123.857 MeV [25.574 MeV] (A_Kr:511)
82Kr36 + 9 D* --> 77Se34 + 23Na11 + 121.761 MeV [23.478 MeV] (A_Kr:512)
82Kr36 + 9 D* --> 79Br35 + 21Ne10 + 119.432 MeV [21.149 MeV] (A_Kr:513)
82Kr36 + 9 D* --> 86Sr38 + 14N7 + 119.292 MeV [21.009 MeV] (A_Kr:514)
82Kr36 + 9 D* --> 90Zr40 + 10B5 + 114.349 MeV [16.065 MeV] (A_Kr:515)
82Kr36 + 9 D* --> 94Mo42 + 6Li3 + 111.955 MeV [13.671 MeV] (A_Kr:516)
82Kr36 + 9 D* --> 98Ru44 + 2H1 + 112.721 MeV [14.437 MeV] (A_Kr:517)
82Kr36 + 9 D* --> 99Ru44 + 1H1 + 117.960 MeV [19.676 MeV] (A_Kr:518)

82Kr36 + 10 D* --> 51V23 + 51V23 + 155.170 MeV [44.219 MeV] (A_Kr:519)
82Kr36 + 10 D* --> 52Cr24 + 50Ti22 + 157.611 MeV [46.660 MeV] (A_Kr:520)
82Kr36 + 10 D* --> 53Cr24 + 49Ti22 + 154.611 MeV [43.660 MeV] (A_Kr:521)
82Kr36 + 10 D* --> 54Cr24 + 48Ti22 + 156.188 MeV [45.237 MeV] (A_Kr:522)
82Kr36 + 10 D* --> 54Fe26 + 48Ca20 + 151.234 MeV [40.283 MeV] (A_Kr:523)
82Kr36 + 10 D* --> 56Fe26 + 46Ca20 + 154.508 MeV [43.557 MeV] (A_Kr:524)
82Kr36 + 10 D* --> 58Fe26 + 44Ca20 + 154.390 MeV [43.439 MeV] (A_Kr:525)
82Kr36 + 10 D* --> 62Ni28 + 40Ar18 + 152.554 MeV [41.603 MeV] (A_Kr:526)
82Kr36 + 10 D* --> 64Ni28 + 38Ar18 + 152.582 MeV [41.630 MeV] (A_Kr:527)
82Kr36 + 10 D* --> 65Cu29 + 37Cl17 + 149.793 MeV [38.842 MeV] (A_Kr:528)
82Kr36 + 10 D* --> 66Zn30 + 36S16 + 150.331 MeV [39.380 MeV] (A_Kr:529)
82Kr36 + 10 D* --> 68Zn30 + 34S16 + 150.707 MeV [39.756 MeV] (A_Kr:530)
82Kr36 + 10 D* --> 70Zn30 + 32S16 + 146.348 MeV [35.397 MeV] (A_Kr:531)
82Kr36 + 10 D* --> 71Ga31 + 31P15 + 145.349 MeV [34.398 MeV] (A_Kr:532)
82Kr36 + 10 D* --> 72Ge32 + 30Si14 + 147.787 MeV [36.835 MeV] (A_Kr:533)
82Kr36 + 10 D* --> 73Ge32 + 29Si14 + 143.960 MeV [33.009 MeV] (A_Kr:534)
82Kr36 + 10 D* --> 74Ge32 + 28Si14 + 145.683 MeV [34.732 MeV] (A_Kr:535)
82Kr36 + 10 D* --> 75As33 + 27Al13 + 140.997 MeV [30.046 MeV] (A_Kr:536)
82Kr36 + 10 D* --> 76Se34 + 26Mg12 + 142.234 MeV [31.283 MeV] (A_Kr:537)
82Kr36 + 10 D* --> 77Se34 + 25Mg12 + 138.560 MeV [27.609 MeV] (A_Kr:538)
82Kr36 + 10 D* --> 78Se34 + 24Mg12 + 141.727 MeV [30.776 MeV] (A_Kr:539)
82Kr36 + 10 D* --> 79Br35 + 23Na11 + 136.366 MeV [25.415 MeV] (A_Kr:540)
82Kr36 + 10 D* --> 80Kr36 + 22Ne10 + 136.685 MeV [25.734 MeV] (A_Kr:541)
82Kr36 + 10 D* --> 82Kr36 + 20Ne10 + 138.399 MeV [27.448 MeV] (A_Kr:542)
82Kr36 + 10 D* --> 84Sr38 + 18O8 + 132.193 MeV [21.242 MeV] (A_Kr:543)
82Kr36 + 10 D* --> 86Sr38 + 16O8 + 140.028 MeV [29.077 MeV] (A_Kr:544)
82Kr36 + 10 D* --> 90Zr40 + 12C6 + 139.535 MeV [28.584 MeV] (A_Kr:545)
82Kr36 + 10 D* --> 98Ru44 + 4He2 + 136.567 MeV [25.616 MeV] (A_Kr:546)
82Kr36 + 10 D* --> 99Ru44 + 3He2 + 123.453 MeV [12.502 MeV] (A_Kr:547)
82Kr36 + 10 D* --> 102Pd46 + 138.693 MeV [27.742 MeV] (A_Kr:548)

82Kr36 + 11 D* --> 53Cr24 + 51V23 + 171.390 MeV [47.436 MeV] (A_Kr:549)
82Kr36 + 11 D* --> 54Cr24 + 50V23 + 170.058 MeV [46.104 MeV] (A_Kr:550)
82Kr36 + 11 D* --> 55Mn25 + 49Ti22 + 170.173 MeV [46.219 MeV] (A_Kr:551)
82Kr36 + 11 D* --> 64Ni28 + 40K19 + 164.538 MeV [40.584 MeV] (A_Kr:552)
82Kr36 + 11 D* --> 67Zn30 + 37Cl17 + 163.545 MeV [39.592 MeV] (A_Kr:553)
82Kr36 + 11 D* --> 71Ga31 + 33S16 + 160.630 MeV [36.676 MeV] (A_Kr:554)
82Kr36 + 11 D* --> 73Ge32 + 31P15 + 159.642 MeV [35.688 MeV] (A_Kr:555)
82Kr36 + 11 D* --> 75As33 + 29Si14 + 158.831 MeV [34.877 MeV] (A_Kr:556)
82Kr36 + 11 D* --> 77Se34 + 27Al13 + 155.700 MeV [31.746 MeV] (A_Kr:557)
82Kr36 + 11 D* --> 79Br35 + 25Mg12 + 153.165 MeV [29.211 MeV] (A_Kr:558)
82Kr36 + 11 D* --> 90Zr40 + 14N7 + 149.807 MeV [25.854 MeV] (A_Kr:559)
82Kr36 + 11 D* --> 94Mo42 + 10B5 + 140.262 MeV [16.309 MeV] (A_Kr:560)
82Kr36 + 11 D* --> 98Ru44 + 6Li3 + 138.041 MeV [14.088 MeV] (A_Kr:561)

82Kr36 + 11 D* --> 102Pd46 + 2H1 + 138.693 MeV [14.739 MeV] (A_Kr:562)

82Kr36 + 12 D* --> 53Cr24 + 53Cr24 + 187.609 MeV [50.322 MeV] (A_Kr:563)
82Kr36 + 12 D* --> 54Cr24 + 52Cr24 + 189.389 MeV [52.102 MeV] (A_Kr:564)
82Kr36 + 12 D* --> 55Mn25 + 51V23 + 186.951 MeV [49.664 MeV] (A_Kr:565)
82Kr36 + 12 D* --> 56Fe26 + 50Ti22 + 189.071 MeV [51.784 MeV] (A_Kr:566)
82Kr36 + 12 D* --> 57Fe26 + 49Ti22 + 185.778 MeV [48.491 MeV] (A_Kr:567)
82Kr36 + 12 D* --> 58Fe26 + 48Ti22 + 187.680 MeV [50.393 MeV] (A_Kr:568)
82Kr36 + 12 D* --> 58Ni28 + 48Ca20 + 181.481 MeV [44.194 MeV] (A_Kr:569)
82Kr36 + 12 D* --> 60Ni28 + 46Ca20 + 184.646 MeV [47.359 MeV] (A_Kr:570)
82Kr36 + 12 D* --> 62Ni28 + 44Ca20 + 185.254 MeV [47.967 MeV] (A_Kr:571)
82Kr36 + 12 D* --> 64Ni28 + 42Ca20 + 182.686 MeV [45.398 MeV] (A_Kr:572)
82Kr36 + 12 D* --> 65Cu29 + 41K19 + 179.862 MeV [42.575 MeV] (A_Kr:573)
82Kr36 + 12 D* --> 66Zn30 + 40Ar18 + 180.978 MeV [43.691 MeV] (A_Kr:574)
82Kr36 + 12 D* --> 68Zn30 + 38Ar18 + 181.761 MeV [44.474 MeV] (A_Kr:575)
82Kr36 + 12 D* --> 70Zn30 + 36Ar18 + 176.835 MeV [39.548 MeV] (A_Kr:576)
82Kr36 + 12 D* --> 69Ga31 + 37Cl17 + 178.128 MeV [40.841 MeV] (A_Kr:577)
82Kr36 + 12 D* --> 71Ga31 + 35Cl17 + 176.193 MeV [38.906 MeV] (A_Kr:578)
82Kr36 + 12 D* --> 70Ge32 + 36S16 + 178.266 MeV [40.979 MeV] (A_Kr:579)
82Kr36 + 12 D* --> 72Ge32 + 34S16 + 179.557 MeV [42.270 MeV] (A_Kr:580)
82Kr36 + 12 D* --> 73Ge32 + 33S16 + 174.923 MeV [37.636 MeV] (A_Kr:581)
82Kr36 + 12 D* --> 74Ge32 + 32S16 + 176.477 MeV [39.190 MeV] (A_Kr:582)
82Kr36 + 12 D* --> 75As33 + 31P15 + 174.512 MeV [37.225 MeV] (A_Kr:583)
82Kr36 + 12 D* --> 76Se34 + 30Si14 + 176.724 MeV [39.437 MeV] (A_Kr:584)
82Kr36 + 12 D* --> 77Se34 + 29Si14 + 173.534 MeV [36.247 MeV] (A_Kr:585)
82Kr36 + 12 D* --> 78Se34 + 28Si14 + 175.558 MeV [38.271 MeV] (A_Kr:586)
82Kr36 + 12 D* --> 79Br35 + 27Al13 + 170.304 MeV [33.017 MeV] (A_Kr:587)
82Kr36 + 12 D* --> 80Kr36 + 26Mg12 + 171.146 MeV [33.859 MeV] (A_Kr:588)
82Kr36 + 12 D* --> 82Kr36 + 24Mg12 + 171.562 MeV [34.275 MeV] (A_Kr:589)
82Kr36 + 12 D* --> 84Sr38 + 22Ne10 + 165.708 MeV [28.421 MeV] (A_Kr:590)
82Kr36 + 12 D* --> 86Sr38 + 20Ne10 + 168.605 MeV [31.318 MeV] (A_Kr:591)
82Kr36 + 12 D* --> 90Zr40 + 16O8 + 170.543 MeV [33.256 MeV] (A_Kr:592)
82Kr36 + 12 D* --> 94Mo42 + 12C6 + 165.449 MeV [28.162 MeV] (A_Kr:593)
82Kr36 + 12 D* --> 102Pd46 + 4He2 + 162.539 MeV [25.252 MeV] (A_Kr:594)
82Kr36 + 12 D* --> 106Cd48 + 164.172 MeV [26.885 MeV] (A_Kr:595)

83Kr36 + D* --> 48Ca20 + 37Cl17 + 9.130 MeV [-0.303 MeV] (A_Kr:596)
83Kr36 + D* --> 70Zn30 + 15N7 + 2.617 MeV [-6.815 MeV] (A_Kr:597)
83Kr36 + D* --> 81Br35 + 4He2 + 8.704 MeV [-0.728 MeV] (A_Kr:598)
83Kr36 + D* --> 84Kr36 + 1H1 + 8.296 MeV [-1.136 MeV] (A_Kr:599)
83Kr36 + D* --> 85Rb37 + 15.321 MeV [5.889 MeV] (A_Kr:600)

83Kr36 + 2 D* --> 70Zn30 + 17O8 + 16.663 MeV [-2.576 MeV] (A_Kr:601)
83Kr36 + 2 D* --> 74Ge32 + 13C6 + 16.587 MeV [-2.652 MeV] (A_Kr:602)
83Kr36 + 2 D* --> 78Se34 + 9Be4 + 11.968 MeV [-7.271 MeV] (A_Kr:603)
83Kr36 + 2 D* --> 81Br35 + 6Li3 + 10.178 MeV [-9.061 MeV] (A_Kr:604)
83Kr36 + 2 D* --> 83Kr36 + 4He2 + 23.847 MeV [4.608 MeV] (A_Kr:605)
83Kr36 + 2 D* --> 84Kr36 + 3He2 + 13.790 MeV [-5.449 MeV] (A_Kr:606)
83Kr36 + 2 D* --> 85Rb37 + 2H1 + 15.321 MeV [-3.917 MeV] (A_Kr:607)
83Kr36 + 2 D* --> 87Sr38 + 31.170 MeV [11.931 MeV] (A_Kr:608)

83Kr36 + 3 D* --> 48Ca20 + 41K19 + 39.199 MeV [9.784 MeV] (A_Kr:609)
83Kr36 + 3 D* --> 70Zn30 + 19F9 + 30.477 MeV [1.063 MeV] (A_Kr:610)
83Kr36 + 3 D* --> 71Ga31 + 18O8 + 30.347 MeV [00.933 MeV] (A_Kr:611)

83Kr36 + 3 D* --> 74Ge32 + 15N7 + 32.746 MeV [3.332 MeV] (A_Kr:612)
83Kr36 + 3 D* --> 78Se34 + 11B5 + 27.784 MeV [-1.631 MeV] (A_Kr:613)
83Kr36 + 3 D* --> 82Kr36 + 7Li3 + 25.107 MeV [-4.308 MeV] (A_Kr:614)
83Kr36 + 3 D* --> 83Kr36 + 6Li3 + 25.320 MeV [-4.094 MeV] (A_Kr:615)
83Kr36 + 3 D* --> 85Rb37 + 4He2 + 39.168 MeV [9.753 MeV] (A_Kr:616)
83Kr36 + 3 D* --> 87Sr38 + 2H1 + 31.170 MeV [1.756 MeV] (A_Kr:617)
83Kr36 + 3 D* --> 88Sr38 + 1H1 + 40.058 MeV [10.644 MeV] (A_Kr:618)
83Kr36 + 3 D* --> 89Y39 + 47.127 MeV [17.713 MeV] (A_Kr:619)

83Kr36 + 4 D* --> 48Ca20 + 43Ca20 + 55.184 MeV [15.230 MeV] (A_Kr:620)
83Kr36 + 4 D* --> 70Zn30 + 21Ne10 + 47.858 MeV [7.903 MeV] (A_Kr:621)
83Kr36 + 4 D* --> 73Ge32 + 18O8 + 44.640 MeV [4.686 MeV] (A_Kr:622)
83Kr36 + 4 D* --> 74Ge32 + 17O8 + 46.792 MeV [6.838 MeV] (A_Kr:623)
83Kr36 + 4 D* --> 78Se34 + 13C6 + 46.462 MeV [6.508 MeV] (A_Kr:624)
83Kr36 + 4 D* --> 81Br35 + 10B5 + 38.485 MeV [-1.469 MeV] (A_Kr:625)
83Kr36 + 4 D* --> 82Kr36 + 9Be4 + 41.803 MeV [1.849 MeV] (A_Kr:626)
83Kr36 + 4 D* --> 85Rb37 + 6Li3 + 40.642 MeV [00.687 MeV] (A_Kr:627)
83Kr36 + 4 D* --> 87Sr38 + 4He2 + 55.017 MeV [15.062 MeV] (A_Kr:628)
83Kr36 + 4 D* --> 88Sr38 + 3He2 + 45.552 MeV [5.597 MeV] (A_Kr:629)
83Kr36 + 4 D* --> 89Y39 + 2H1 + 47.127 MeV [7.173 MeV] (A_Kr:630)
83Kr36 + 4 D* --> 91Zr40 + 60.452 MeV [20.497 MeV] (A_Kr:631)

83Kr36 + 5 D* --> 48Ca20 + 45Sc21 + 70.979 MeV [20.125 MeV] (A_Kr:632)
83Kr36 + 5 D* --> 70Zn30 + 23Na11 + 64.791 MeV [13.938 MeV] (A_Kr:633)
83Kr36 + 5 D* --> 71Ga31 + 22Ne10 + 63.862 MeV [13.008 MeV] (A_Kr:634)
83Kr36 + 5 D* --> 74Ge32 + 19F9 + 60.607 MeV [9.753 MeV] (A_Kr:635)
83Kr36 + 5 D* --> 75As33 + 18O8 + 59.511 MeV [8.657 MeV] (A_Kr:636)
83Kr36 + 5 D* --> 78Se34 + 15N7 + 62.622 MeV [11.768 MeV] (A_Kr:637)
83Kr36 + 5 D* --> 81Br35 + 12C6 + 63.672 MeV [12.818 MeV] (A_Kr:638)
83Kr36 + 5 D* --> 82Kr36 + 11B5 + 57.618 MeV [6.765 MeV] (A_Kr:639)
83Kr36 + 5 D* --> 83Kr36 + 10B5 + 53.628 MeV [2.774 MeV] (A_Kr:640)
83Kr36 + 5 D* --> 86Sr38 + 7Li3 + 55.312 MeV [4.459 MeV] (A_Kr:641)
83Kr36 + 5 D* --> 87Sr38 + 6Li3 + 56.491 MeV [5.637 MeV] (A_Kr:642)
83Kr36 + 5 D* --> 89Y39 + 4He2 + 70.974 MeV [20.120 MeV] (A_Kr:643)
83Kr36 + 5 D* --> 91Zr40 + 2H1 + 60.452 MeV [9.598 MeV] (A_Kr:644)
83Kr36 + 5 D* --> 92Zr40 + 1H1 + 66.862 MeV [16.008 MeV] (A_Kr:645)
83Kr36 + 5 D* --> 93Nb41 + 72.905 MeV [22.052 MeV] (A_Kr:646)

83Kr36 + 6 D* --> 48Ca20 + 47Ti22 + 87.979 MeV [25.871 MeV] (A_Kr:647)
83Kr36 + 6 D* --> 49Ti22 + 46Ca20 + 90.526 MeV [28.419 MeV] (A_Kr:648)
83Kr36 + 6 D* --> 70Zn30 + 25Mg12 + 81.590 MeV [19.482 MeV] (A_Kr:649)
83Kr36 + 6 D* --> 73Ge32 + 22Ne10 + 78.155 MeV [16.047 MeV] (A_Kr:650)
83Kr36 + 6 D* --> 74Ge32 + 21Ne10 + 77.987 MeV [15.879 MeV] (A_Kr:651)
83Kr36 + 6 D* --> 77Se34 + 18O8 + 74.214 MeV [12.106 MeV] (A_Kr:652)
83Kr36 + 6 D* --> 78Se34 + 17O8 + 76.668 MeV [14.560 MeV] (A_Kr:653)
83Kr36 + 6 D* --> 81Br35 + 14N7 + 73.944 MeV [11.836 MeV] (A_Kr:654)
83Kr36 + 6 D* --> 82Kr36 + 13C6 + 76.297 MeV [14.189 MeV] (A_Kr:655)
83Kr36 + 6 D* --> 83Kr36 + 12C6 + 78.814 MeV [16.706 MeV] (A_Kr:656)
83Kr36 + 6 D* --> 85Rb37 + 10B5 + 68.949 MeV [6.841 MeV] (A_Kr:657)
83Kr36 + 6 D* --> 86Sr38 + 9Be4 + 72.009 MeV [9.901 MeV] (A_Kr:658)
83Kr36 + 6 D* --> 89Y39 + 6Li3 + 72.448 MeV [10.340 MeV] (A_Kr:659)
83Kr36 + 6 D* --> 91Zr40 + 4He2 + 84.298 MeV [22.190 MeV] (A_Kr:660)
83Kr36 + 6 D* --> 92Zr40 + 3He2 + 72.355 MeV [10.247 MeV] (A_Kr:661)
83Kr36 + 6 D* --> 93Nb41 + 2H1 + 72.905 MeV [10.797 MeV] (A_Kr:662)

83Kr36 + 6 D* --> 95Mo42 + 86.540 MeV [24.432 MeV] (A_Kr:663)

83Kr36 + 7 D* --> 51V23 + 46Ca20 + 107.305 MeV [33.592 MeV] (A_Kr:664)
83Kr36 + 7 D* --> 70Zn30 + 27Al13 + 98.730 MeV [25.017 MeV] (A_Kr:665)
83Kr36 + 7 D* --> 71Ga31 + 26Mg12 + 98.323 MeV [24.610 MeV] (A_Kr:666)
83Kr36 + 7 D* --> 74Ge32 + 23Na11 + 94.921 MeV [21.208 MeV] (A_Kr:667)
83Kr36 + 7 D* --> 75As33 + 22Ne10 + 93.025 MeV [19.313 MeV] (A_Kr:668)
83Kr36 + 7 D* --> 78Se34 + 19F9 + 90.482 MeV [16.769 MeV] (A_Kr:669)
83Kr36 + 7 D* --> 79Br35 + 18O8 + 88.818 MeV [15.106 MeV] (A_Kr:670)
83Kr36 + 7 D* --> 81Br35 + 16O8 + 94.680 MeV [20.967 MeV] (A_Kr:671)
83Kr36 + 7 D* --> 82Kr36 + 15N7 + 92.456 MeV [18.744 MeV] (A_Kr:672)
83Kr36 + 7 D* --> 83Kr36 + 14N7 + 89.087 MeV [15.374 MeV] (A_Kr:673)
83Kr36 + 7 D* --> 85Rb37 + 12C6 + 94.136 MeV [20.423 MeV] (A_Kr:674)
83Kr36 + 7 D* --> 86Sr38 + 11B5 + 87.824 MeV [14.111 MeV] (A_Kr:675)
83Kr36 + 7 D* --> 87Sr38 + 10B5 + 84.798 MeV [11.085 MeV] (A_Kr:676)
83Kr36 + 7 D* --> 90Zr40 + 7Li3 + 85.827 MeV [12.115 MeV] (A_Kr:677)
83Kr36 + 7 D* --> 91Zr40 + 6Li3 + 85.772 MeV [12.059 MeV] (A_Kr:678)
83Kr36 + 7 D* --> 93Nb41 + 4He2 + 96.752 MeV [23.039 MeV] (A_Kr:679)
83Kr36 + 7 D* --> 95Mo42 + 2H1 + 86.540 MeV [12.827 MeV] (A_Kr:680)
83Kr36 + 7 D* --> 96Mo42 + 1H1 + 93.470 MeV [19.757 MeV] (A_Kr:681)

83Kr36 + 8 D* --> 50Ti22 + 49Ti22 + 125.090 MeV [39.425 MeV] (A_Kr:682)
83Kr36 + 8 D* --> 53Cr24 + 46Ca20 + 123.524 MeV [37.860 MeV] (A_Kr:683)
83Kr36 + 8 D* --> 70Zn30 + 29Si14 + 116.564 MeV [30.900 MeV] (A_Kr:684)
83Kr36 + 8 D* --> 73Ge32 + 26Mg12 + 112.616 MeV [26.952 MeV] (A_Kr:685)
83Kr36 + 8 D* --> 74Ge32 + 25Mg12 + 111.719 MeV [26.055 MeV] (A_Kr:686)
83Kr36 + 8 D* --> 77Se34 + 22Ne10 + 107.728 MeV [22.064 MeV] (A_Kr:687)
83Kr36 + 8 D* --> 78Se34 + 21Ne10 + 107.862 MeV [22.198 MeV] (A_Kr:688)
83Kr36 + 8 D* --> 82Kr36 + 17O8 + 106.502 MeV [20.838 MeV] (A_Kr:689)
83Kr36 + 8 D* --> 83Kr36 + 16O8 + 109.823 MeV [24.159 MeV] (A_Kr:690)
83Kr36 + 8 D* --> 85Rb37 + 14N7 + 104.408 MeV [18.744 MeV] (A_Kr:691)
83Kr36 + 8 D* --> 86Sr38 + 13C6 + 106.503 MeV [20.838 MeV] (A_Kr:692)
83Kr36 + 8 D* --> 87Sr38 + 12C6 + 109.984 MeV [24.320 MeV] (A_Kr:693)
83Kr36 + 8 D* --> 89Y39 + 10B5 + 100.755 MeV [15.091 MeV] (A_Kr:694)
83Kr36 + 8 D* --> 90Zr40 + 9Be4 + 102.524 MeV [16.860 MeV] (A_Kr:695)
83Kr36 + 8 D* --> 93Nb41 + 6Li3 + 98.226 MeV [12.561 MeV] (A_Kr:696)
83Kr36 + 8 D* --> 95Mo42 + 4He2 + 110.387 MeV [24.722 MeV] (A_Kr:697)
83Kr36 + 8 D* --> 96Mo42 + 3He2 + 98.963 MeV [13.299 MeV] (A_Kr:698)
83Kr36 + 8 D* --> 99Ru44 + 112.721 MeV [27.057 MeV] (A_Kr:699)

83Kr36 + 9 D* --> 51V23 + 50Ti22 + 141.868 MeV [43.910 MeV] (A_Kr:700)
83Kr36 + 9 D* --> 55Mn25 + 46Ca20 + 139.085 MeV [41.127 MeV] (A_Kr:701)
83Kr36 + 9 D* --> 64Ni28 + 37Cl17 + 137.101 MeV [39.142 MeV] (A_Kr:702)
83Kr36 + 9 D* --> 65Cu29 + 36S16 + 136.168 MeV [38.209 MeV] (A_Kr:703)
83Kr36 + 9 D* --> 70Zn30 + 31P15 + 132.245 MeV [34.287 MeV] (A_Kr:704)
83Kr36 + 9 D* --> 71Ga31 + 30Si14 + 132.813 MeV [34.855 MeV] (A_Kr:705)
83Kr36 + 9 D* --> 74Ge32 + 27Al13 + 128.859 MeV [30.901 MeV] (A_Kr:706)
83Kr36 + 9 D* --> 75As33 + 26Mg12 + 127.487 MeV [29.529 MeV] (A_Kr:707)
83Kr36 + 9 D* --> 78Se34 + 23Na11 + 124.796 MeV [26.838 MeV] (A_Kr:708)
83Kr36 + 9 D* --> 79Br35 + 22Ne10 + 122.333 MeV [24.375 MeV] (A_Kr:709)
83Kr36 + 9 D* --> 81Br35 + 20Ne10 + 123.257 MeV [25.298 MeV] (A_Kr:710)
83Kr36 + 9 D* --> 82Kr36 + 19F9 + 120.317 MeV [22.359 MeV] (A_Kr:711)
83Kr36 + 9 D* --> 85Rb37 + 16O8 + 125.144 MeV [27.186 MeV] (A_Kr:712)
83Kr36 + 9 D* --> 86Sr38 + 15N7 + 122.662 MeV [24.704 MeV] (A_Kr:713)

83Kr36 + 9 D* --> 87Sr38 + 14N7 + 120.257 MeV [22.299 MeV] (A_Kr:714)
83Kr36 + 9 D* --> 89Y39 + 12C6 + 125.942 MeV [27.983 MeV] (A_Kr:715)
83Kr36 + 9 D* --> 90Zr40 + 11B5 + 118.339 MeV [20.381 MeV] (A_Kr:716)
83Kr36 + 9 D* --> 91Zr40 + 10B5 + 114.079 MeV [16.121 MeV] (A_Kr:717)
83Kr36 + 9 D* --> 94Mo42 + 7Li3 + 111.741 MeV [13.783 MeV] (A_Kr:718)
83Kr36 + 9 D* --> 95Mo42 + 6Li3 + 111.860 MeV [13.902 MeV] (A_Kr:719)
83Kr36 + 9 D* --> 99Ru44 + 2H1 + 112.721 MeV [14.763 MeV] (A_Kr:720)
83Kr36 + 9 D* --> 100Ru44 + 1H1 + 120.170 MeV [22.212 MeV] (A_Kr:721)

83Kr36 + 10 D* --> 53Cr24 + 50Ti22 + 158.087 MeV [47.496 MeV] (A_Kr:722)
83Kr36 + 10 D* --> 54Cr24 + 49Ti22 + 156.867 MeV [46.276 MeV] (A_Kr:723)
83Kr36 + 10 D* --> 57Fe26 + 46Ca20 + 154.691 MeV [44.100 MeV] (A_Kr:724)
83Kr36 + 10 D* --> 67Zn30 + 36S16 + 149.920 MeV [39.329 MeV] (A_Kr:725)
83Kr36 + 10 D* --> 70Zn30 + 33S16 + 147.526 MeV [36.935 MeV] (A_Kr:726)
83Kr36 + 10 D* --> 73Ge32 + 30Si14 + 147.106 MeV [36.515 MeV] (A_Kr:727)
83Kr36 + 10 D* --> 74Ge32 + 29Si14 + 146.693 MeV [36.102 MeV] (A_Kr:728)
83Kr36 + 10 D* --> 77Se34 + 26Mg12 + 142.190 MeV [31.599 MeV] (A_Kr:729)
83Kr36 + 10 D* --> 78Se34 + 25Mg12 + 141.594 MeV [31.004 MeV] (A_Kr:730)
83Kr36 + 10 D* --> 82Kr36 + 21Ne10 + 137.697 MeV [27.106 MeV] (A_Kr:731)
83Kr36 + 10 D* --> 83Kr36 + 20Ne10 + 138.399 MeV [27.808 MeV] (A_Kr:732)
83Kr36 + 10 D* --> 86Sr38 + 17O8 + 136.708 MeV [26.117 MeV] (A_Kr:733)
83Kr36 + 10 D* --> 87Sr38 + 16O8 + 140.993 MeV [30.402 MeV] (A_Kr:734)
83Kr36 + 10 D* --> 89Y39 + 14N7 + 136.214 MeV [25.623 MeV] (A_Kr:735)
83Kr36 + 10 D* --> 90Zr40 + 13C6 + 137.018 MeV [26.427 MeV] (A_Kr:736)
83Kr36 + 10 D* --> 91Zr40 + 12C6 + 139.266 MeV [28.675 MeV] (A_Kr:737)
83Kr36 + 10 D* --> 93Nb41 + 10B5 + 126.533 MeV [15.942 MeV] (A_Kr:738)
83Kr36 + 10 D* --> 94Mo42 + 9Be4 + 128.438 MeV [17.847 MeV] (A_Kr:739)
83Kr36 + 10 D* --> 99Ru44 + 4He2 + 136.568 MeV [25.977 MeV] (A_Kr:740)
83Kr36 + 10 D* --> 100Ru44 + 3He2 + 125.663 MeV [15.072 MeV] (A_Kr:741)

83Kr36 + 11 D* --> 54Cr24 + 51V23 + 173.645 MeV [50.086 MeV] (A_Kr:742)
83Kr36 + 11 D* --> 55Mn25 + 50Ti22 + 173.648 MeV [50.090 MeV] (A_Kr:743)
83Kr36 + 11 D* --> 59Co27 + 46Ca20 + 169.875 MeV [46.316 MeV] (A_Kr:744)
83Kr36 + 11 D* --> 64Ni28 + 41K19 + 167.170 MeV [43.611 MeV] (A_Kr:745)
83Kr36 + 11 D* --> 65Cu29 + 40Ar18 + 166.815 MeV [43.256 MeV] (A_Kr:746)
83Kr36 + 11 D* --> 68Zn30 + 37Cl17 + 166.280 MeV [42.721 MeV] (A_Kr:747)
83Kr36 + 11 D* --> 70Zn30 + 35Cl17 + 163.089 MeV [39.531 MeV] (A_Kr:748)
83Kr36 + 11 D* --> 69Ga31 + 36S16 + 164.503 MeV [40.944 MeV] (A_Kr:749)
83Kr36 + 11 D* --> 71Ga31 + 34S16 + 164.583 MeV [41.025 MeV] (A_Kr:750)
83Kr36 + 11 D* --> 74Ge32 + 31P15 + 162.375 MeV [38.816 MeV] (A_Kr:751)
83Kr36 + 11 D* --> 75As33 + 30Si14 + 161.977 MeV [38.418 MeV] (A_Kr:752)
83Kr36 + 11 D* --> 78Se34 + 27Al13 + 158.734 MeV [35.175 MeV] (A_Kr:753)
83Kr36 + 11 D* --> 79Br35 + 26Mg12 + 156.794 MeV [33.236 MeV] (A_Kr:754)
83Kr36 + 11 D* --> 81Br35 + 24Mg12 + 156.420 MeV [32.861 MeV] (A_Kr:755)
83Kr36 + 11 D* --> 82Kr36 + 23Na11 + 154.631 MeV [31.072 MeV] (A_Kr:756)
83Kr36 + 11 D* --> 85Rb37 + 20Ne10 + 153.720 MeV [30.162 MeV] (A_Kr:757)
83Kr36 + 11 D* --> 86Sr38 + 19F9 + 150.522 MeV [26.964 MeV] (A_Kr:758)
83Kr36 + 11 D* --> 89Y39 + 16O8 + 156.950 MeV [33.391 MeV] (A_Kr:759)
83Kr36 + 11 D* --> 90Zr40 + 15N7 + 153.177 MeV [29.618 MeV] (A_Kr:760)
83Kr36 + 11 D* --> 91Zr40 + 14N7 + 149.538 MeV [25.980 MeV] (A_Kr:761)
83Kr36 + 11 D* --> 93Nb41 + 12C6 + 151.720 MeV [28.161 MeV] (A_Kr:762)
83Kr36 + 11 D* --> 94Mo42 + 11B5 + 144.253 MeV [20.694 MeV] (A_Kr:763)
83Kr36 + 11 D* --> 95Mo42 + 10B5 + 140.168 MeV [16.609 MeV] (A_Kr:764)
83Kr36 + 11 D* --> 98Ru44 + 7Li3 + 137.828 MeV [14.269 MeV] (A_Kr:765)

83Kr36 + 11 D* --> 99Ru44 + 6Li3 + 138.041 MeV [14.483 MeV] (A_Kr:766)
83Kr36 + 11 D* --> 104Pd46 + 1H1 + 146.612 MeV [23.054 MeV] (A_Kr:767)

83Kr36 + 12 D* --> 54Cr24 + 53Cr24 + 189.864 MeV [53.006 MeV] (A_Kr:768)
83Kr36 + 12 D* --> 57Fe26 + 50Ti22 + 189.254 MeV [52.396 MeV] (A_Kr:769)
83Kr36 + 12 D* --> 58Fe26 + 49Ti22 + 188.359 MeV [51.501 MeV] (A_Kr:770)
83Kr36 + 12 D* --> 61Ni28 + 46Ca20 + 185.003 MeV [48.145 MeV] (A_Kr:771)
83Kr36 + 12 D* --> 64Ni28 + 43Ca20 + 183.155 MeV [46.297 MeV] (A_Kr:772)
83Kr36 + 12 D* --> 67Zn30 + 40Ar18 + 180.567 MeV [43.709 MeV] (A_Kr:773)
83Kr36 + 12 D* --> 73Ge32 + 34S16 + 178.876 MeV [42.018 MeV] (A_Kr:774)
83Kr36 + 12 D* --> 74Ge32 + 33S16 + 177.655 MeV [40.797 MeV] (A_Kr:775)
83Kr36 + 12 D* --> 77Se34 + 30Si14 + 176.679 MeV [39.821 MeV] (A_Kr:776)
83Kr36 + 12 D* --> 78Se34 + 29Si14 + 176.568 MeV [39.710 MeV] (A_Kr:777)
83Kr36 + 12 D* --> 82Kr36 + 25Mg12 + 171.429 MeV [34.571 MeV] (A_Kr:778)
83Kr36 + 12 D* --> 83Kr36 + 24Mg12 + 171.562 MeV [34.704 MeV] (A_Kr:779)
83Kr36 + 12 D* --> 86Sr38 + 21Ne10 + 167.902 MeV [31.044 MeV] (A_Kr:780)
83Kr36 + 12 D* --> 87Sr38 + 20Ne10 + 169.569 MeV [32.711 MeV] (A_Kr:781)
83Kr36 + 12 D* --> 90Zr40 + 17O8 + 167.223 MeV [30.365 MeV] (A_Kr:782)
83Kr36 + 12 D* --> 91Zr40 + 16O8 + 170.274 MeV [33.416 MeV] (A_Kr:783)
83Kr36 + 12 D* --> 93Nb41 + 14N7 + 161.992 MeV [25.134 MeV] (A_Kr:784)
83Kr36 + 12 D* --> 94Mo42 + 13C6 + 162.932 MeV [26.074 MeV] (A_Kr:785)
83Kr36 + 12 D* --> 95Mo42 + 12C6 + 165.354 MeV [28.496 MeV] (A_Kr:786)
83Kr36 + 12 D* --> 98Ru44 + 9Be4 + 154.524 MeV [17.666 MeV] (A_Kr:787)
83Kr36 + 12 D* --> 104Pd46 + 3He2 + 152.106 MeV [15.248 MeV] (A_Kr:788)

84Kr36 + 2 D* --> 48Ca20 + 40Ar18 + 23.094 MeV [3.929 MeV] (A_Kr:789)
84Kr36 + 2 D* --> 70Zn30 + 18O8 + 14.187 MeV [-4.979 MeV] (A_Kr:790)
84Kr36 + 2 D* --> 76Ge32 + 12C6 + 17.053 MeV [-2.112 MeV] (A_Kr:791)
84Kr36 + 2 D* --> 81Br35 + 7Li3 + 6.907 MeV [-12.258 MeV] (A_Kr:792)
84Kr36 + 2 D* --> 84Kr36 + 4He2 + 23.847 MeV [4.681 MeV] (A_Kr:793)
84Kr36 + 2 D* --> 87Rb37 + 1H1 + 21.149 MeV [1.984 MeV] (A_Kr:794)
84Kr36 + 2 D* --> 88Sr38 + 31.762 MeV [12.597 MeV] (A_Kr:795)

84Kr36 + 3 D* --> 76Ge32 + 14N7 + 27.326 MeV [-1.979 MeV] (A_Kr:796)
84Kr36 + 3 D* --> 80Se34 + 10B5 + 22.685 MeV [-6.620 MeV] (A_Kr:797)
84Kr36 + 3 D* --> 81Br35 + 9Be4 + 23.603 MeV [-5.702 MeV] (A_Kr:798)
84Kr36 + 3 D* --> 83Kr36 + 7Li3 + 22.050 MeV [-7.255 MeV] (A_Kr:799)
84Kr36 + 3 D* --> 84Kr36 + 6Li3 + 25.320 MeV [-3.985 MeV] (A_Kr:800)
84Kr36 + 3 D* --> 87Rb37 + 3He2 + 26.643 MeV [-2.662 MeV] (A_Kr:801)
84Kr36 + 3 D* --> 88Sr38 + 2H1 + 31.762 MeV [2.457 MeV] (A_Kr:802)

84Kr36 + 4 D* --> 46Ca20 + 46Ca20 + 56.382 MeV [16.573 MeV] (A_Kr:803)
84Kr36 + 4 D* --> 48Ca20 + 44Ca20 + 55.795 MeV [15.986 MeV] (A_Kr:804)
84Kr36 + 4 D* --> 70Zn30 + 22Ne10 + 47.701 MeV [7.892 MeV] (A_Kr:805)
84Kr36 + 4 D* --> 74Ge32 + 18O8 + 44.316 MeV [4.507 MeV] (A_Kr:806)
84Kr36 + 4 D* --> 76Ge32 + 16O8 + 48.062 MeV [8.253 MeV] (A_Kr:807)
84Kr36 + 4 D* --> 80Se34 + 12C6 + 47.872 MeV [8.063 MeV] (A_Kr:808)
84Kr36 + 4 D* --> 81Br35 + 11B5 + 39.419 MeV [-0.390 MeV] (A_Kr:809)
84Kr36 + 4 D* --> 83Kr36 + 9Be4 + 38.746 MeV [-1.063 MeV] (A_Kr:810)
84Kr36 + 4 D* --> 85Rb37 + 7Li3 + 37.371 MeV [-2.438 MeV] (A_Kr:811)
84Kr36 + 4 D* --> 88Sr38 + 4He2 + 55.609 MeV [15.800 MeV] (A_Kr:812)
84Kr36 + 4 D* --> 92Zr40 + 58.566 MeV [18.757 MeV] (A_Kr:813)

84Kr36 + 5 D* --> 80Se34 + 14N7 + 58.144 MeV [7.472 MeV] (A_Kr:814)
84Kr36 + 5 D* --> 81Br35 + 13C6 + 58.097 MeV [7.425 MeV] (A_Kr:815)
84Kr36 + 5 D* --> 83Kr36 + 11B5 + 54.561 MeV [3.889 MeV] (A_Kr:816)
84Kr36 + 5 D* --> 84Kr36 + 10B5 + 53.628 MeV [2.955 MeV] (A_Kr:817)
84Kr36 + 5 D* --> 85Rb37 + 9Be4 + 54.067 MeV [3.395 MeV] (A_Kr:818)
84Kr36 + 5 D* --> 87Sr38 + 7Li3 + 53.220 MeV [2.547 MeV] (A_Kr:819)
84Kr36 + 5 D* --> 88Sr38 + 6Li3 + 57.083 MeV [6.410 MeV] (A_Kr:820)
84Kr36 + 5 D* --> 92Zr40 + 2H1 + 58.566 MeV [7.893 MeV] (A_Kr:821)

84Kr36 + 6 D* --> 48Ca20 + 48Ti22 + 89.085 MeV [27.194 MeV] (A_Kr:822)
84Kr36 + 6 D* --> 48Ti22 + 48Ca20 + 89.085 MeV [27.194 MeV] (A_Kr:823)
84Kr36 + 6 D* --> 50Ti22 + 46Ca20 + 90.945 MeV [29.054 MeV] (A_Kr:824)
84Kr36 + 6 D* --> 70Zn30 + 26Mg12 + 82.163 MeV [20.271 MeV] (A_Kr:825)
84Kr36 + 6 D* --> 74Ge32 + 22Ne10 + 77.830 MeV [15.939 MeV] (A_Kr:826)
84Kr36 + 6 D* --> 76Ge32 + 20Ne10 + 76.638 MeV [14.747 MeV] (A_Kr:827)
84Kr36 + 6 D* --> 78Se34 + 18O8 + 74.191 MeV [12.300 MeV] (A_Kr:828)
84Kr36 + 6 D* --> 80Se34 + 16O8 + 78.880 MeV [16.989 MeV] (A_Kr:829)
84Kr36 + 6 D* --> 81Br35 + 15N7 + 74.257 MeV [12.365 MeV] (A_Kr:830)
84Kr36 + 6 D* --> 83Kr36 + 13C6 + 73.240 MeV [11.349 MeV] (A_Kr:831)
84Kr36 + 6 D* --> 84Kr36 + 12C6 + 78.814 MeV [16.923 MeV] (A_Kr:832)
84Kr36 + 6 D* --> 85Rb37 + 11B5 + 69.883 MeV [7.991 MeV] (A_Kr:833)
84Kr36 + 6 D* --> 87Sr38 + 9Be4 + 69.916 MeV [8.025 MeV] (A_Kr:834)
84Kr36 + 6 D* --> 89Y39 + 7Li3 + 69.177 MeV [7.286 MeV] (A_Kr:835)
84Kr36 + 6 D* --> 92Zr40 + 4He2 + 82.412 MeV [20.521 MeV] (A_Kr:836)
84Kr36 + 6 D* --> 96Mo42 + 85.174 MeV [23.282 MeV] (A_Kr:837)

84Kr36 + 7 D* --> 50V23 + 48Ca20 + 102.955 MeV [29.494 MeV] (A_Kr:838)
84Kr36 + 7 D* --> 81Br35 + 17O8 + 88.303 MeV [14.842 MeV] (A_Kr:839)
84Kr36 + 7 D* --> 83Kr36 + 15N7 + 89.399 MeV [15.938 MeV] (A_Kr:840)
84Kr36 + 7 D* --> 84Kr36 + 14N7 + 89.087 MeV [15.625 MeV] (A_Kr:841)
84Kr36 + 7 D* --> 85Rb37 + 13C6 + 88.561 MeV [15.100 MeV] (A_Kr:842)
84Kr36 + 7 D* --> 87Sr38 + 11B5 + 85.732 MeV [12.270 MeV] (A_Kr:843)
84Kr36 + 7 D* --> 88Sr38 + 10B5 + 85.390 MeV [11.929 MeV] (A_Kr:844)
84Kr36 + 7 D* --> 89Y39 + 9Be4 + 85.873 MeV [12.412 MeV] (A_Kr:845)
84Kr36 + 7 D* --> 91Zr40 + 7Li3 + 82.501 MeV [9.040 MeV] (A_Kr:846)
84Kr36 + 7 D* --> 92Zr40 + 6Li3 + 83.886 MeV [10.425 MeV] (A_Kr:847)
84Kr36 + 7 D* --> 96Mo42 + 2H1 + 85.174 MeV [11.713 MeV] (A_Kr:848)
84Kr36 + 7 D* --> 97Mo42 + 1H1 + 89.771 MeV [16.309 MeV] (A_Kr:849)

84Kr36 + 8 D* --> 50Ti22 + 50Ti22 + 125.508 MeV [40.130 MeV] (A_Kr:850)
84Kr36 + 8 D* --> 52Cr24 + 48Ca20 + 122.286 MeV [36.908 MeV] (A_Kr:851)
84Kr36 + 8 D* --> 54Cr24 + 46Ca20 + 122.722 MeV [37.345 MeV] (A_Kr:852)
84Kr36 + 8 D* --> 64Ni28 + 36S16 + 120.418 MeV [35.040 MeV] (A_Kr:853)
84Kr36 + 8 D* --> 70Zn30 + 30Si14 + 116.652 MeV [31.275 MeV] (A_Kr:854)
84Kr36 + 8 D* --> 74Ge32 + 26Mg12 + 112.292 MeV [26.914 MeV] (A_Kr:855)
84Kr36 + 8 D* --> 76Ge32 + 24Mg12 + 109.801 MeV [24.424 MeV] (A_Kr:856)
84Kr36 + 8 D* --> 78Se34 + 22Ne10 + 107.706 MeV [22.328 MeV] (A_Kr:857)
84Kr36 + 8 D* --> 80Se34 + 20Ne10 + 107.457 MeV [22.079 MeV] (A_Kr:858)
84Kr36 + 8 D* --> 81Br35 + 19F9 + 102.117 MeV [16.739 MeV] (A_Kr:859)
84Kr36 + 8 D* --> 82Kr36 + 18O8 + 104.026 MeV [18.648 MeV] (A_Kr:860)
84Kr36 + 8 D* --> 83Kr36 + 17O8 + 103.445 MeV [18.068 MeV] (A_Kr:861)
84Kr36 + 8 D* --> 84Kr36 + 16O8 + 109.823 MeV [24.445 MeV] (A_Kr:862)
84Kr36 + 8 D* --> 85Rb37 + 15N7 + 104.721 MeV [19.343 MeV] (A_Kr:863)
84Kr36 + 8 D* --> 87Sr38 + 13C6 + 104.410 MeV [19.033 MeV] (A_Kr:864)

84Kr36 + 8 D* --> 88Sr38 + 12C6 + 110.577 MeV [25.199 MeV] (A_Kr:865)
84Kr36 + 8 D* --> 89Y39 + 11B5 + 101.689 MeV [16.311 MeV] (A_Kr:866)
84Kr36 + 8 D* --> 91Zr40 + 9Be4 + 99.198 MeV [13.820 MeV] (A_Kr:867)
84Kr36 + 8 D* --> 93Nb41 + 7Li3 + 94.955 MeV [9.577 MeV] (A_Kr:868)
84Kr36 + 8 D* --> 96Mo42 + 4He2 + 109.020 MeV [23.643 MeV] (A_Kr:869)
84Kr36 + 8 D* --> 97Mo42 + 3He2 + 95.264 MeV [9.886 MeV] (A_Kr:870)
84Kr36 + 8 D* --> 100Ru44 + 111.874 MeV [26.496 MeV] (A_Kr:871)

84Kr36 + 9 D* --> 81Br35 + 21Ne10 + 119.497 MeV [21.860 MeV] (A_Kr:872)
84Kr36 + 9 D* --> 83Kr36 + 19F9 + 117.260 MeV [19.623 MeV] (A_Kr:873)
84Kr36 + 9 D* --> 85Rb37 + 17O8 + 118.767 MeV [21.130 MeV] (A_Kr:874)
84Kr36 + 9 D* --> 87Sr38 + 15N7 + 120.569 MeV [22.933 MeV] (A_Kr:875)
84Kr36 + 9 D* --> 88Sr38 + 14N7 + 120.849 MeV [23.212 MeV] (A_Kr:876)
84Kr36 + 9 D* --> 89Y39 + 13C6 + 120.367 MeV [22.730 MeV] (A_Kr:877)
84Kr36 + 9 D* --> 91Zr40 + 11B5 + 115.013 MeV [17.376 MeV] (A_Kr:878)
84Kr36 + 9 D* --> 92Zr40 + 10B5 + 112.194 MeV [14.557 MeV] (A_Kr:879)
84Kr36 + 9 D* --> 93Nb41 + 9Be4 + 111.651 MeV [14.014 MeV] (A_Kr:880)
84Kr36 + 9 D* --> 95Mo42 + 7Li3 + 108.590 MeV [10.953 MeV] (A_Kr:881)
84Kr36 + 9 D* --> 96Mo42 + 6Li3 + 110.494 MeV [12.857 MeV] (A_Kr:882)
84Kr36 + 9 D* --> 100Ru44 + 2H1 + 111.874 MeV [14.237 MeV] (A_Kr:883)
84Kr36 + 9 D* --> 101Ru44 + 1H1 + 116.451 MeV [18.814 MeV] (A_Kr:884)

84Kr36 + 10 D* --> 54Cr24 + 50Ti22 + 157.285 MeV [47.050 MeV] (A_Kr:885)
84Kr36 + 10 D* --> 56Fe26 + 48Ca20 + 153.746 MeV [43.510 MeV] (A_Kr:886)
84Kr36 + 10 D* --> 58Fe26 + 46Ca20 + 154.215 MeV [43.979 MeV] (A_Kr:887)
84Kr36 + 10 D* --> 64Ni28 + 40Ar18 + 151.065 MeV [40.830 MeV] (A_Kr:888)
84Kr36 + 10 D* --> 68Zn30 + 36S16 + 149.598 MeV [39.362 MeV] (A_Kr:889)
84Kr36 + 10 D* --> 70Zn30 + 34S16 + 148.423 MeV [38.187 MeV] (A_Kr:890)
84Kr36 + 10 D* --> 74Ge32 + 30Si14 + 146.782 MeV [36.546 MeV] (A_Kr:891)
84Kr36 + 10 D* --> 76Ge32 + 28Si14 + 143.632 MeV [33.397 MeV] (A_Kr:892)
84Kr36 + 10 D* --> 78Se34 + 26Mg12 + 142.167 MeV [31.932 MeV] (A_Kr:893)
84Kr36 + 10 D* --> 80Se34 + 24Mg12 + 140.620 MeV [30.384 MeV] (A_Kr:894)
84Kr36 + 10 D* --> 81Br35 + 23Na11 + 136.431 MeV [26.196 MeV] (A_Kr:895)
84Kr36 + 10 D* --> 82Kr36 + 22Ne10 + 137.540 MeV [27.305 MeV] (A_Kr:896)
84Kr36 + 10 D* --> 83Kr36 + 21Ne10 + 134.640 MeV [24.404 MeV] (A_Kr:897)
84Kr36 + 10 D* --> 84Kr36 + 20Ne10 + 138.399 MeV [28.164 MeV] (A_Kr:898)
84Kr36 + 10 D* --> 85Rb37 + 19F9 + 132.581 MeV [22.346 MeV] (A_Kr:899)
84Kr36 + 10 D* --> 86Sr38 + 18O8 + 134.231 MeV [23.996 MeV] (A_Kr:900)
84Kr36 + 10 D* --> 87Sr38 + 17O8 + 134.615 MeV [24.380 MeV] (A_Kr:901)
84Kr36 + 10 D* --> 88Sr38 + 16O8 + 141.585 MeV [31.350 MeV] (A_Kr:902)
84Kr36 + 10 D* --> 89Y39 + 15N7 + 136.527 MeV [26.291 MeV] (A_Kr:903)
84Kr36 + 10 D* --> 91Zr40 + 13C6 + 133.692 MeV [23.456 MeV] (A_Kr:904)
84Kr36 + 10 D* --> 92Zr40 + 12C6 + 137.380 MeV [27.145 MeV] (A_Kr:905)
84Kr36 + 10 D* --> 93Nb41 + 11B5 + 127.467 MeV [17.231 MeV] (A_Kr:906)
84Kr36 + 10 D* --> 95Mo42 + 9Be4 + 125.286 MeV [15.051 MeV] (A_Kr:907)
84Kr36 + 10 D* --> 100Ru44 + 4He2 + 135.720 MeV [25.485 MeV] (A_Kr:908)
84Kr36 + 10 D* --> 101Ru44 + 3He2 + 121.945 MeV [11.709 MeV] (A_Kr:909)
84Kr36 + 10 D* --> 103Rh45 + 1H1 + 129.659 MeV [19.424 MeV] (A_Kr:910)
84Kr36 + 10 D* --> 104Pd46 + 138.316 MeV [28.081 MeV] (A_Kr:911)

84Kr36 + 11 D* --> 81Br35 + 25Mg12 + 153.230 MeV [30.061 MeV] (A_Kr:912)
84Kr36 + 11 D* --> 83Kr36 + 23Na11 + 151.574 MeV [28.405 MeV] (A_Kr:913)
84Kr36 + 11 D* --> 85Rb37 + 21Ne10 + 149.961 MeV [26.792 MeV] (A_Kr:914)
84Kr36 + 11 D* --> 87Sr38 + 19F9 + 148.430 MeV [25.261 MeV] (A_Kr:915)

84Kr36 + 11 D* --> 89Y39 + 17O8 + 150.573 MeV [27.404 MeV] (A_Kr:916)
84Kr36 + 11 D* --> 91Zr40 + 15N7 + 149.851 MeV [26.682 MeV] (A_Kr:917)
84Kr36 + 11 D* --> 92Zr40 + 14N7 + 147.652 MeV [24.484 MeV] (A_Kr:918)
84Kr36 + 11 D* --> 93Nb41 + 13C6 + 146.145 MeV [22.976 MeV] (A_Kr:919)
84Kr36 + 11 D* --> 95Mo42 + 11B5 + 141.102 MeV [17.933 MeV] (A_Kr:920)
84Kr36 + 11 D* --> 96Mo42 + 10B5 + 138.802 MeV [15.633 MeV] (A_Kr:921)
84Kr36 + 11 D* --> 99Ru44 + 7Li3 + 134.771 MeV [11.602 MeV] (A_Kr:922)
84Kr36 + 11 D* --> 100Ru44 + 6Li3 + 137.194 MeV [14.025 MeV] (A_Kr:923)
84Kr36 + 11 D* --> 103Rh45 + 3He2 + 135.153 MeV [11.984 MeV] (A_Kr:924)
84Kr36 + 11 D* --> 104Pd46 + 2H1 + 138.316 MeV [15.147 MeV] (A_Kr:925)
84Kr36 + 11 D* --> 105Pd46 + 1H1 + 143.186 MeV [20.017 MeV] (A_Kr:926)

84Kr36 + 12 D* --> 54Cr24 + 54Cr24 + 189.063 MeV [52.628 MeV] (A_Kr:927)
84Kr36 + 12 D* --> 58Fe26 + 50Ti22 + 188.778 MeV [52.343 MeV] (A_Kr:928)
84Kr36 + 12 D* --> 60Ni28 + 48Ca20 + 183.884 MeV [47.450 MeV] (A_Kr:929)
84Kr36 + 12 D* --> 62Ni28 + 46Ca20 + 185.079 MeV [48.645 MeV] (A_Kr:930)
84Kr36 + 12 D* --> 64Ni28 + 44Ca20 + 183.765 MeV [47.331 MeV] (A_Kr:931)
84Kr36 + 12 D* --> 68Zn30 + 40Ar18 + 180.245 MeV [43.810 MeV] (A_Kr:932)
84Kr36 + 12 D* --> 70Zn30 + 38Ar18 + 179.477 MeV [43.043 MeV] (A_Kr:933)
84Kr36 + 12 D* --> 71Ga31 + 37Cl17 + 177.099 MeV [40.665 MeV] (A_Kr:934)
84Kr36 + 12 D* --> 72Ge32 + 36S16 + 178.448 MeV [42.013 MeV] (A_Kr:935)
84Kr36 + 12 D* --> 74Ge32 + 34S16 + 178.552 MeV [42.118 MeV] (A_Kr:936)
84Kr36 + 12 D* --> 76Ge32 + 32S16 + 174.426 MeV [37.992 MeV] (A_Kr:937)
84Kr36 + 12 D* --> 78Se34 + 30Si14 + 176.657 MeV [40.222 MeV] (A_Kr:938)
84Kr36 + 12 D* --> 80Se34 + 28Si14 + 174.450 MeV [38.016 MeV] (A_Kr:939)
84Kr36 + 12 D* --> 81Br35 + 27Al13 + 170.369 MeV [33.935 MeV] (A_Kr:940)
84Kr36 + 12 D* --> 82Kr36 + 26Mg12 + 172.002 MeV [35.567 MeV] (A_Kr:941)
84Kr36 + 12 D* --> 83Kr36 + 25Mg12 + 168.372 MeV [31.938 MeV] (A_Kr:942)
84Kr36 + 12 D* --> 84Kr36 + 24Mg12 + 171.562 MeV [35.128 MeV] (A_Kr:943)
84Kr36 + 12 D* --> 85Rb37 + 23Na11 + 166.895 MeV [30.461 MeV] (A_Kr:944)
84Kr36 + 12 D* --> 86Sr38 + 22Ne10 + 167.746 MeV [31.312 MeV] (A_Kr:945)
84Kr36 + 12 D* --> 87Sr38 + 21Ne10 + 165.810 MeV [29.376 MeV] (A_Kr:946)
84Kr36 + 12 D* --> 88Sr38 + 20Ne10 + 170.161 MeV [33.727 MeV] (A_Kr:947)
84Kr36 + 12 D* --> 89Y39 + 19F9 + 164.387 MeV [27.952 MeV] (A_Kr:948)
84Kr36 + 12 D* --> 90Zr40 + 18O8 + 164.746 MeV [28.312 MeV] (A_Kr:949)
84Kr36 + 12 D* --> 91Zr40 + 17O8 + 163.897 MeV [27.463 MeV] (A_Kr:950)
84Kr36 + 12 D* --> 92Zr40 + 16O8 + 168.389 MeV [31.954 MeV] (A_Kr:951)
84Kr36 + 12 D* --> 93Nb41 + 15N7 + 162.305 MeV [25.870 MeV] (A_Kr:952)
84Kr36 + 12 D* --> 95Mo42 + 13C6 + 159.780 MeV [23.346 MeV] (A_Kr:953)
84Kr36 + 12 D* --> 96Mo42 + 12C6 + 163.988 MeV [27.554 MeV] (A_Kr:954)
84Kr36 + 12 D* --> 99Ru44 + 9Be4 + 151.467 MeV [15.033 MeV] (A_Kr:955)
84Kr36 + 12 D* --> 104Pd46 + 4He2 + 162.163 MeV [25.728 MeV] (A_Kr:956)
84Kr36 + 12 D* --> 105Pd46 + 3He2 + 148.679 MeV [12.245 MeV] (A_Kr:957)
84Kr36 + 12 D* --> 107Ag47 + 1H1 + 156.310 MeV [19.876 MeV] (A_Kr:958)
84Kr36 + 12 D* --> 108Cd48 + 164.450 MeV [28.016 MeV] (A_Kr:959)

86Kr36 + 2 D* --> 86Kr36 + 4He2 + 23.847 MeV [4.824 MeV] (A_Kr:960)

86Kr36 + 3 D* --> 82Se34 + 10B5 + 21.685 MeV [-7.406 MeV] (A_Kr:961)
86Kr36 + 3 D* --> 86Kr36 + 6Li3 + 25.320 MeV [-3.771 MeV] (A_Kr:962)

86Kr36 + 4 D* --> 48Ca20 + 46Ca20 + 56.627 MeV [17.102 MeV] (A_Kr:963)
86Kr36 + 4 D* --> 76Ge32 + 18O8 + 43.272 MeV [3.747 MeV] (A_Kr:964)

86Kr36 + 4 D* --> 82Se34 + 12C6 + 46.871 MeV [7.347 MeV] (A_Kr:965)
86Kr36 + 4 D* --> 87Rb37 + 7Li3 + 38.967 MeV [-0.558 MeV] (A_Kr:966)
86Kr36 + 4 D* --> 94Zr40 + 56.544 MeV [17.020 MeV] (A_Kr:967)

86Kr36 + 5 D* --> 82Se34 + 14N7 + 57.144 MeV [6.825 MeV] (A_Kr:968)
86Kr36 + 5 D* --> 86Kr36 + 10B5 + 53.628 MeV [3.310 MeV] (A_Kr:969)
86Kr36 + 5 D* --> 87Rb37 + 9Be4 + 55.663 MeV [5.345 MeV] (A_Kr:970)
86Kr36 + 5 D* --> 94Zr40 + 2H1 + 56.544 MeV [6.226 MeV] (A_Kr:971)

86Kr36 + 6 D* --> 50Ti22 + 48Ca20 + 91.190 MeV [29.722 MeV] (A_Kr:972)
86Kr36 + 6 D* --> 76Ge32 + 22Ne10 + 76.787 MeV [15.319 MeV] (A_Kr:973)
86Kr36 + 6 D* --> 80Se34 + 18O8 + 74.090 MeV [12.623 MeV] (A_Kr:974)
86Kr36 + 6 D* --> 82Se34 + 16O8 + 77.880 MeV [16.412 MeV] (A_Kr:975)
86Kr36 + 6 D* --> 86Kr36 + 12C6 + 78.814 MeV [17.347 MeV] (A_Kr:976)
86Kr36 + 6 D* --> 87Rb37 + 11B5 + 71.479 MeV [10.011 MeV] (A_Kr:977)
86Kr36 + 6 D* --> 94Zr40 + 4He2 + 80.391 MeV [18.923 MeV] (A_Kr:978)
86Kr36 + 6 D* --> 98Mo42 + 83.660 MeV [22.193 MeV] (A_Kr:979)

86Kr36 + 7 D* --> 86Kr36 + 14N7 + 89.087 MeV [16.119 MeV] (A_Kr:980)
86Kr36 + 7 D* --> 87Rb37 + 13C6 + 90.157 MeV [17.189 MeV] (A_Kr:981)
86Kr36 + 7 D* --> 94Zr40 + 6Li3 + 81.865 MeV [8.896 MeV] (A_Kr:982)
86Kr36 + 7 D* --> 98Mo42 + 2H1 + 83.660 MeV [10.692 MeV] (A_Kr:983)

86Kr36 + 8 D* --> 54Cr24 + 48Ca20 + 122.967 MeV [38.151 MeV] (A_Kr:984)
86Kr36 + 8 D* --> 76Ge32 + 26Mg12 + 111.248 MeV [26.432 MeV] (A_Kr:985)
86Kr36 + 8 D* --> 80Se34 + 22Ne10 + 107.605 MeV [22.789 MeV] (A_Kr:986)
86Kr36 + 8 D* --> 82Se34 + 20Ne10 + 106.456 MeV [21.640 MeV] (A_Kr:987)
86Kr36 + 8 D* --> 84Kr36 + 18O8 + 105.033 MeV [20.217 MeV] (A_Kr:988)
86Kr36 + 8 D* --> 86Kr36 + 16O8 + 109.823 MeV [25.007 MeV] (A_Kr:989)
86Kr36 + 8 D* --> 87Rb37 + 15N7 + 106.317 MeV [21.501 MeV] (A_Kr:990)
86Kr36 + 8 D* --> 98Mo42 + 4He2 + 107.507 MeV [22.691 MeV] (A_Kr:991)
86Kr36 + 8 D* --> 102Ru44 + 110.918 MeV [26.102 MeV] (A_Kr:992)

86Kr36 + 9 D* --> 87Rb37 + 17O8 + 120.363 MeV [23.356 MeV] (A_Kr:993)
86Kr36 + 9 D* --> 94Zr40 + 10B5 + 110.172 MeV [13.165 MeV] (A_Kr:994)
86Kr36 + 9 D* --> 97Mo42 + 7Li3 + 107.588 MeV [10.581 MeV] (A_Kr:995)
86Kr36 + 9 D* --> 98Mo42 + 6Li3 + 108.981 MeV [11.974 MeV] (A_Kr:996)
86Kr36 + 9 D* --> 102Ru44 + 2H1 + 110.918 MeV [13.911 MeV] (A_Kr:997)

86Kr36 + 10 D* --> 58Fe26 + 48Ca20 + 154.459 MeV [44.922 MeV] (A_Kr:998)
86Kr36 + 10 D* --> 70Zn30 + 36S16 + 148.320 MeV [38.783 MeV] (A_Kr:999)
86Kr36 + 10 D* --> 76Ge32 + 30Si14 + 145.738 MeV [36.200 MeV] (A_Kr:1000)
86Kr36 + 10 D* --> 80Se34 + 26Mg12 + 142.066 MeV [32.529 MeV] (A_Kr:1001)
86Kr36 + 10 D* --> 82Se34 + 24Mg12 + 139.619 MeV [30.082 MeV] (A_Kr:1002)
86Kr36 + 10 D* --> 84Kr36 + 22Ne10 + 138.547 MeV [29.010 MeV] (A_Kr:1003)
86Kr36 + 10 D* --> 86Kr36 + 20Ne10 + 138.399 MeV [28.862 MeV] (A_Kr:1004)
86Kr36 + 10 D* --> 87Rb37 + 19F9 + 134.177 MeV [24.639 MeV] (A_Kr:1005)
86Kr36 + 10 D* --> 88Sr38 + 18O8 + 136.795 MeV [27.257 MeV]

(A_Kr:1006)
86Kr36 + 10 D* --> 94Zr40 + 12C6 + 135.358 MeV [25.821 MeV]
(A_Kr:1007)
86Kr36 + 10 D* --> 97Mo42 + 9Be4 + 124.284 MeV [14.747 MeV]
(A_Kr:1008)
86Kr36 + 10 D* --> 102Ru44 + 4He2 + 134.765 MeV [25.227 MeV]
(A_Kr:1009)
86Kr36 + 10 D* --> 106Pd46 + 137.994 MeV [28.457 MeV]
(A_Kr:1010)

86Kr36 + 11 D* --> 87Rb37 + 21Ne10 + 151.557 MeV [29.153 MeV]
(A_Kr:1011)
86Kr36 + 11 D* --> 94Zr40 + 14N7 + 145.631 MeV [23.227 MeV]
(A_Kr:1012)
86Kr36 + 11 D* --> 97Mo42 + 11B5 + 140.100 MeV [17.696 MeV]
(A_Kr:1013)
86Kr36 + 11 D* --> 98Mo42 + 10B5 + 137.288 MeV [14.885 MeV]
(A_Kr:1014)
86Kr36 + 11 D* --> 101Ru44 + 7Li3 + 134.269 MeV [11.865 MeV]
(A_Kr:1015)
86Kr36 + 11 D* --> 102Ru44 + 6Li3 + 136.239 MeV [13.835 MeV]
(A_Kr:1016)
86Kr36 + 11 D* --> 106Pd46 + 2H1 + 137.994 MeV [15.590 MeV]
(A_Kr:1017)

86Kr36 + 12 D* --> 62Ni28 + 48Ca20 + 185.323 MeV [49.721 MeV]
(A_Kr:1018)
86Kr36 + 12 D* --> 64Ni28 + 46Ca20 + 184.597 MeV [48.995 MeV]
(A_Kr:1019)
86Kr36 + 12 D* --> 70Zn30 + 40Ar18 + 178.968 MeV [43.365 MeV]
(A_Kr:1020)
86Kr36 + 12 D* --> 74Ge32 + 36S16 + 178.450 MeV [42.847 MeV]
(A_Kr:1021)
86Kr36 + 12 D* --> 76Ge32 + 34S16 + 177.508 MeV [41.906 MeV]
(A_Kr:1022)
86Kr36 + 12 D* --> 80Se34 + 30Si14 + 176.556 MeV [40.954 MeV]
(A_Kr:1023)
86Kr36 + 12 D* --> 82Se34 + 28Si14 + 173.450 MeV [37.848 MeV]
(A_Kr:1024)
86Kr36 + 12 D* --> 84Kr36 + 26Mg12 + 173.009 MeV [37.406 MeV]
(A_Kr:1025)
86Kr36 + 12 D* --> 86Kr36 + 24Mg12 + 171.562 MeV [35.960 MeV]
(A_Kr:1026)
86Kr36 + 12 D* --> 87Rb37 + 23Na11 + 168.491 MeV [32.888 MeV]
(A_Kr:1027)
86Kr36 + 12 D* --> 88Sr38 + 22Ne10 + 170.310 MeV [34.707 MeV]
(A_Kr:1028)
86Kr36 + 12 D* --> 92Zr40 + 18O8 + 163.598 MeV [27.996 MeV]
(A_Kr:1029)
86Kr36 + 12 D* --> 94Zr40 + 16O8 + 166.367 MeV [30.765 MeV]
(A_Kr:1030)
86Kr36 + 12 D* --> 97Mo42 + 13C6 + 158.779 MeV [23.176 MeV]
(A_Kr:1031)
86Kr36 + 12 D* --> 98Mo42 + 12C6 + 162.475 MeV [26.872 MeV]

(A_Kr:1032)
86Kr36 + 12 D* --> 101Ru44 + 9Be4 + 150.965 MeV [15.363 MeV]
(A_Kr:1033)
86Kr36 + 12 D* --> 103Rh45 + 7Li3 + 147.477 MeV [11.875 MeV]
(A_Kr:1034)
86Kr36 + 12 D* --> 106Pd46 + 4He2 + 161.841 MeV [26.238 MeV]
(A_Kr:1035)
86Kr36 + 12 D* --> 109Ag47 + 1H1 + 155.797 MeV [20.194 MeV]
(A_Kr:1036)
86Kr36 + 12 D* --> 110Cd48 + 164.716 MeV [29.114 MeV]
(A_Kr:1037)

---------- Equations follow for Rubidium, Rb, element 37 ----------

85Rb37 + D* --> 70Zn30 + 17O8 + 1.342 MeV [-8.278 MeV] (A_Rb:1)
85Rb37 + D* --> 74Ge32 + 13C6 + 1.266 MeV [-8.354 MeV] (A_Rb:2)
85Rb37 + D* --> 83Kr36 + 4He2 + 8.525 MeV [-1.094 MeV] (A_Rb:3)
85Rb37 + D* --> 87Sr38 + 15.849 MeV [6.229 MeV] (A_Rb:4)

85Rb37 + 2 D* --> 48Ca20 + 41K19 + 23.877 MeV [4.268 MeV] (A_Rb:5)
85Rb37 + 2 D* --> 70Zn30 + 19F9 + 15.156 MeV [-4.453 MeV] (A_Rb:6)
85Rb37 + 2 D* --> 71Ga31 + 18O8 + 15.026 MeV [-4.584 MeV] (A_Rb:7)
85Rb37 + 2 D* --> 74Ge32 + 15N7 + 17.425 MeV [-2.185 MeV] (A_Rb:8)
85Rb37 + 2 D* --> 78Se34 + 11B5 + 12.462 MeV [-7.147 MeV] (A_Rb:9)
85Rb37 + 2 D* --> 82Kr36 + 7Li3 + 9.785 MeV [-9.824 MeV] (A_Rb:10)
85Rb37 + 2 D* --> 83Kr36 + 6Li3 + 9.999 MeV [-9.611 MeV] (A_Rb:11)
85Rb37 + 2 D* --> 85Rb37 + 4He2 + 23.847 MeV [4.237 MeV] (A_Rb:12)
85Rb37 + 2 D* --> 87Sr38 + 2H1 + 15.849 MeV [-3.761 MeV] (A_Rb:13)
85Rb37 + 2 D* --> 88Sr38 + 1H1 + 24.737 MeV [5.127 MeV] (A_Rb:14)
85Rb37 + 2 D* --> 89Y39 + 31.806 MeV [12.196 MeV] (A_Rb:15)

85Rb37 + 3 D* --> 48Ca20 + 43Ca20 + 39.863 MeV [9.897 MeV] (A_Rb:16)
85Rb37 + 3 D* --> 70Zn30 + 21Ne10 + 32.536 MeV [2.571 MeV] (A_Rb:17)
85Rb37 + 3 D* --> 73Ge32 + 18O8 + 29.319 MeV [-0.647 MeV] (A_Rb:18)
85Rb37 + 3 D* --> 74Ge32 + 17O8 + 31.471 MeV [1.505 MeV] (A_Rb:19)
85Rb37 + 3 D* --> 78Se34 + 13C6 + 31.141 MeV [1.175 MeV] (A_Rb:20)
85Rb37 + 3 D* --> 81Br35 + 10B5 + 23.164 MeV [-6.802 MeV] (A_Rb:21)
85Rb37 + 3 D* --> 82Kr36 + 9Be4 + 26.482 MeV [-3.484 MeV] (A_Rb:22)
85Rb37 + 3 D* --> 85Rb37 + 6Li3 + 25.320 MeV [-4.645 MeV] (A_Rb:23)
85Rb37 + 3 D* --> 87Sr38 + 4He2 + 39.695 MeV [9.730 MeV] (A_Rb:24)
85Rb37 + 3 D* --> 88Sr38 + 3He2 + 30.230 MeV [00.265 MeV] (A_Rb:25)
85Rb37 + 3 D* --> 89Y39 + 2H1 + 31.806 MeV [1.840 MeV] (A_Rb:26)
85Rb37 + 3 D* --> 91Zr40 + 45.130 MeV [15.165 MeV] (A_Rb:27)

85Rb37 + 4 D* --> 48Ca20 + 45Sc21 + 55.657 MeV [14.975 MeV] (A_Rb:28)
85Rb37 + 4 D* --> 70Zn30 + 23Na11 + 49.470 MeV [8.787 MeV] (A_Rb:29)
85Rb37 + 4 D* --> 71Ga31 + 22Ne10 + 48.541 MeV [7.858 MeV] (A_Rb:30)
85Rb37 + 4 D* --> 74Ge32 + 19F9 + 45.285 MeV [4.603 MeV] (A_Rb:31)
85Rb37 + 4 D* --> 75As33 + 18O8 + 44.189 MeV [3.507 MeV] (A_Rb:32)
85Rb37 + 4 D* --> 78Se34 + 15N7 + 47.300 MeV [6.617 MeV] (A_Rb:33)
85Rb37 + 4 D* --> 81Br35 + 12C6 + 48.350 MeV [7.668 MeV] (A_Rb:34)
85Rb37 + 4 D* --> 82Kr36 + 11B5 + 42.297 MeV [1.614 MeV] (A_Rb:35)
85Rb37 + 4 D* --> 83Kr36 + 10B5 + 38.307 MeV [-2.376 MeV] (A_Rb:36)
85Rb37 + 4 D* --> 86Sr38 + 7Li3 + 39.991 MeV [-0.692 MeV] (A_Rb:37)

85Rb37 + 4 D* --> 87Sr38 + 6Li3 + 41.169 MeV [00.486 MeV] (A_Rb:38)
85Rb37 + 4 D* --> 89Y39 + 4He2 + 55.652 MeV [14.970 MeV] (A_Rb:39)
85Rb37 + 4 D* --> 91Zr40 + 2H1 + 45.130 MeV [4.447 MeV] (A_Rb:40)
85Rb37 + 4 D* --> 92Zr40 + 1H1 + 51.540 MeV [10.858 MeV] (A_Rb:41)
85Rb37 + 4 D* --> 93Nb41 + 57.584 MeV [16.901 MeV] (A_Rb:42)

85Rb37 + 5 D* --> 48Ca20 + 47Ti22 + 72.658 MeV [20.901 MeV] (A_Rb:43)
85Rb37 + 5 D* --> 49Ti22 + 46Ca20 + 75.205 MeV [23.449 MeV] (A_Rb:44)
85Rb37 + 5 D* --> 70Zn30 + 25Mg12 + 66.269 MeV [14.512 MeV] (A_Rb:45)
85Rb37 + 5 D* --> 73Ge32 + 22Ne10 + 62.834 MeV [11.077 MeV] (A_Rb:46)
85Rb37 + 5 D* --> 74Ge32 + 21Ne10 + 62.665 MeV [10.909 MeV] (A_Rb:47)
85Rb37 + 5 D* --> 77Se34 + 18O8 + 58.892 MeV [7.136 MeV] (A_Rb:48)
85Rb37 + 5 D* --> 78Se34 + 17O8 + 61.346 MeV [9.590 MeV] (A_Rb:49)
85Rb37 + 5 D* --> 81Br35 + 14N7 + 58.623 MeV [6.866 MeV] (A_Rb:50)
85Rb37 + 5 D* --> 82Kr36 + 13C6 + 60.976 MeV [9.219 MeV] (A_Rb:51)
85Rb37 + 5 D* --> 83Kr36 + 12C6 + 63.493 MeV [11.736 MeV] (A_Rb:52)
85Rb37 + 5 D* --> 85Rb37 + 10B5 + 53.628 MeV [1.871 MeV] (A_Rb:53)
85Rb37 + 5 D* --> 86Sr38 + 9Be4 + 56.687 MeV [4.931 MeV] (A_Rb:54)
85Rb37 + 5 D* --> 89Y39 + 6Li3 + 57.126 MeV [5.370 MeV] (A_Rb:55)
85Rb37 + 5 D* --> 91Zr40 + 4He2 + 68.977 MeV [17.220 MeV] (A_Rb:56)
85Rb37 + 5 D* --> 92Zr40 + 3He2 + 57.034 MeV [5.277 MeV] (A_Rb:57)
85Rb37 + 5 D* --> 93Nb41 + 2H1 + 57.584 MeV [5.827 MeV] (A_Rb:58)
85Rb37 + 5 D* --> 95Mo42 + 71.219 MeV [19.462 MeV] (A_Rb:59)

85Rb37 + 6 D* --> 51V23 + 46Ca20 + 91.983 MeV [28.801 MeV] (A_Rb:60)
85Rb37 + 6 D* --> 70Zn30 + 27Al13 + 83.408 MeV [20.226 MeV] (A_Rb:61)
85Rb37 + 6 D* --> 71Ga31 + 26Mg12 + 83.002 MeV [19.819 MeV] (A_Rb:62)
85Rb37 + 6 D* --> 74Ge32 + 23Na11 + 79.599 MeV [16.417 MeV] (A_Rb:63)
85Rb37 + 6 D* --> 75As33 + 22Ne10 + 77.704 MeV [14.522 MeV] (A_Rb:64)
85Rb37 + 6 D* --> 78Se34 + 19F9 + 75.160 MeV [11.978 MeV] (A_Rb:65)
85Rb37 + 6 D* --> 79Br35 + 18O8 + 73.497 MeV [10.315 MeV] (A_Rb:66)
85Rb37 + 6 D* --> 81Br35 + 16O8 + 79.359 MeV [16.176 MeV] (A_Rb:67)
85Rb37 + 6 D* --> 82Kr36 + 15N7 + 77.135 MeV [13.953 MeV] (A_Rb:68)
85Rb37 + 6 D* --> 83Kr36 + 14N7 + 73.765 MeV [10.583 MeV] (A_Rb:69)
85Rb37 + 6 D* --> 85Rb37 + 12C6 + 78.814 MeV [15.632 MeV] (A_Rb:70)
85Rb37 + 6 D* --> 86Sr38 + 11B5 + 72.503 MeV [9.320 MeV] (A_Rb:71)
85Rb37 + 6 D* --> 87Sr38 + 10B5 + 69.477 MeV [6.294 MeV] (A_Rb:72)
85Rb37 + 6 D* --> 90Zr40 + 7Li3 + 70.506 MeV [7.324 MeV] (A_Rb:73)
85Rb37 + 6 D* --> 91Zr40 + 6Li3 + 70.451 MeV [7.268 MeV] (A_Rb:74)
85Rb37 + 6 D* --> 93Nb41 + 4He2 + 81.430 MeV [18.248 MeV] (A_Rb:75)
85Rb37 + 6 D* --> 95Mo42 + 2H1 + 71.219 MeV [8.036 MeV] (A_Rb:76)
85Rb37 + 6 D* --> 96Mo42 + 1H1 + 78.149 MeV [14.966 MeV] (A_Rb:77)

85Rb37 + 7 D* --> 50Ti22 + 49Ti22 + 109.768 MeV [34.812 MeV] (A_Rb:78)
85Rb37 + 7 D* --> 53Cr24 + 46Ca20 + 108.203 MeV [33.246 MeV] (A_Rb:79)
85Rb37 + 7 D* --> 70Zn30 + 29Si14 + 101.242 MeV [26.286 MeV] (A_Rb:80)
85Rb37 + 7 D* --> 73Ge32 + 26Mg12 + 97.295 MeV [22.339 MeV] (A_Rb:81)
85Rb37 + 7 D* --> 74Ge32 + 25Mg12 + 96.398 MeV [21.442 MeV] (A_Rb:82)
85Rb37 + 7 D* --> 77Se34 + 22Ne10 + 92.407 MeV [17.451 MeV] (A_Rb:83)
85Rb37 + 7 D* --> 78Se34 + 21Ne10 + 92.541 MeV [17.584 MeV] (A_Rb:84)
85Rb37 + 7 D* --> 82Kr36 + 17O8 + 91.181 MeV [16.225 MeV] (A_Rb:85)
85Rb37 + 7 D* --> 83Kr36 + 16O8 + 94.501 MeV [19.545 MeV] (A_Rb:86)
85Rb37 + 7 D* --> 85Rb37 + 14N7 + 89.087 MeV [14.130 MeV] (A_Rb:87)
85Rb37 + 7 D* --> 86Sr38 + 13C6 + 91.181 MeV [16.225 MeV] (A_Rb:88)

85Rb37 + 7 D* --> 87Sr38 + 12C6 + 94.663 MeV [19.707 MeV] (A_Rb:89)
85Rb37 + 7 D* --> 89Y39 + 10B5 + 85.434 MeV [10.478 MeV] (A_Rb:90)
85Rb37 + 7 D* --> 90Zr40 + 9Be4 + 87.202 MeV [12.246 MeV] (A_Rb:91)
85Rb37 + 7 D* --> 93Nb41 + 6Li3 + 82.904 MeV [7.948 MeV] (A_Rb:92)
85Rb37 + 7 D* --> 95Mo42 + 4He2 + 95.065 MeV [20.109 MeV] (A_Rb:93)
85Rb37 + 7 D* --> 96Mo42 + 3He2 + 83.642 MeV [8.686 MeV] (A_Rb:94)
85Rb37 + 7 D* --> 99Ru44 + 97.400 MeV [22.444 MeV] (A_Rb:95)

85Rb37 + 8 D* --> 51V23 + 50Ti22 + 126.546 MeV [39.473 MeV] (A_Rb:96)
85Rb37 + 8 D* --> 55Mn25 + 46Ca20 + 123.764 MeV [36.690 MeV] (A_Rb:97)
85Rb37 + 8 D* --> 64Ni28 + 37Cl17 + 121.779 MeV [34.705 MeV] (A_Rb:98)
85Rb37 + 8 D* --> 65Cu29 + 36S16 + 120.846 MeV [33.772 MeV] (A_Rb:99)
85Rb37 + 8 D* --> 70Zn30 + 31P15 + 116.924 MeV [29.850 MeV] (A_Rb:100)
85Rb37 + 8 D* --> 71Ga31 + 30Si14 + 117.492 MeV [30.418 MeV] (A_Rb:101)
85Rb37 + 8 D* --> 74Ge32 + 27Al13 + 113.538 MeV [26.464 MeV] (A_Rb:102)
85Rb37 + 8 D* --> 75As33 + 26Mg12 + 112.165 MeV [25.092 MeV] (A_Rb:103)
85Rb37 + 8 D* --> 78Se34 + 23Na11 + 109.474 MeV [22.400 MeV] (A_Rb:104)
85Rb37 + 8 D* --> 79Br35 + 22Ne10 + 107.012 MeV [19.938 MeV] (A_Rb:105)
85Rb37 + 8 D* --> 81Br35 + 20Ne10 + 107.935 MeV [20.861 MeV] (A_Rb:106)
85Rb37 + 8 D* --> 82Kr36 + 19F9 + 104.995 MeV [17.921 MeV] (A_Rb:107)
85Rb37 + 8 D* --> 85Rb37 + 16O8 + 109.823 MeV [22.749 MeV] (A_Rb:108)
85Rb37 + 8 D* --> 86Sr38 + 15N7 + 107.341 MeV [20.267 MeV] (A_Rb:109)
85Rb37 + 8 D* --> 87Sr38 + 14N7 + 104.935 MeV [17.862 MeV] (A_Rb:110)
85Rb37 + 8 D* --> 89Y39 + 12C6 + 110.620 MeV [23.546 MeV] (A_Rb:111)
85Rb37 + 8 D* --> 90Zr40 + 11B5 + 103.018 MeV [15.944 MeV] (A_Rb:112)
85Rb37 + 8 D* --> 91Zr40 + 10B5 + 98.758 MeV [11.684 MeV] (A_Rb:113)
85Rb37 + 8 D* --> 94Mo42 + 7Li3 + 96.420 MeV [9.346 MeV] (A_Rb:114)
85Rb37 + 8 D* --> 95Mo42 + 6Li3 + 96.539 MeV [9.465 MeV] (A_Rb:115)
85Rb37 + 8 D* --> 99Ru44 + 2H1 + 97.400 MeV [10.326 MeV] (A_Rb:116)
85Rb37 + 8 D* --> 100Ru44 + 1H1 + 104.848 MeV [17.775 MeV] (A_Rb:117)

85Rb37 + 9 D* --> 53Cr24 + 50Ti22 + 142.766 MeV [43.234 MeV] (A_Rb:118)
85Rb37 + 9 D* --> 54Cr24 + 49Ti22 + 141.546 MeV [42.014 MeV] (A_Rb:119)
85Rb37 + 9 D* --> 57Fe26 + 46Ca20 + 139.369 MeV [39.838 MeV] (A_Rb:120)
85Rb37 + 9 D* --> 67Zn30 + 36S16 + 134.599 MeV [35.067 MeV] (A_Rb:121)
85Rb37 + 9 D* --> 70Zn30 + 33S16 + 132.205 MeV [32.673 MeV] (A_Rb:122)
85Rb37 + 9 D* --> 73Ge32 + 30Si14 + 131.785 MeV [32.253 MeV] (A_Rb:123)
85Rb37 + 9 D* --> 74Ge32 + 29Si14 + 131.372 MeV [31.840 MeV] (A_Rb:124)
85Rb37 + 9 D* --> 77Se34 + 26Mg12 + 126.868 MeV [27.337 MeV] (A_Rb:125)
85Rb37 + 9 D* --> 78Se34 + 25Mg12 + 126.273 MeV [26.741 MeV] (A_Rb:126)
85Rb37 + 9 D* --> 82Kr36 + 21Ne10 + 122.375 MeV [22.844 MeV] (A_Rb:127)
85Rb37 + 9 D* --> 83Kr36 + 20Ne10 + 123.078 MeV [23.546 MeV] (A_Rb:128)
85Rb37 + 9 D* --> 86Sr38 + 17O8 + 121.387 MeV [21.855 MeV] (A_Rb:129)
85Rb37 + 9 D* --> 87Sr38 + 16O8 + 125.672 MeV [26.140 MeV] (A_Rb:130)
85Rb37 + 9 D* --> 89Y39 + 14N7 + 120.892 MeV [21.361 MeV] (A_Rb:131)
85Rb37 + 9 D* --> 90Zr40 + 13C6 + 121.696 MeV [22.165 MeV] (A_Rb:132)
85Rb37 + 9 D* --> 91Zr40 + 12C6 + 123.945 MeV [24.413 MeV] (A_Rb:133)
85Rb37 + 9 D* --> 93Nb41 + 10B5 + 111.212 MeV [11.680 MeV] (A_Rb:134)
85Rb37 + 9 D* --> 94Mo42 + 9Be4 + 113.116 MeV [13.584 MeV] (A_Rb:135)
85Rb37 + 9 D* --> 99Ru44 + 4He2 + 121.246 MeV [21.714 MeV] (A_Rb:136)
85Rb37 + 9 D* --> 100Ru44 + 3He2 + 110.342 MeV [10.810 MeV] (A_Rb:137)

85Rb37 + 10 D* --> 54Cr24 + 51V23 + 158.324 MeV [45.998 MeV] (A_Rb:138)
85Rb37 + 10 D* --> 55Mn25 + 50Ti22 + 158.327 MeV [46.001 MeV] (A_Rb:139)

85Rb37 + 10 D* --> 59Co27 + 46Ca20 + 154.553 MeV [42.227 MeV] (A_Rb:140)
85Rb37 + 10 D* --> 64Ni28 + 41K19 + 151.848 MeV [39.522 MeV] (A_Rb:141)
85Rb37 + 10 D* --> 65Cu29 + 40Ar18 + 151.493 MeV [39.167 MeV] (A_Rb:142)
85Rb37 + 10 D* --> 68Zn30 + 37Cl17 + 150.959 MeV [38.633 MeV] (A_Rb:143)
85Rb37 + 10 D* --> 70Zn30 + 35Cl17 + 147.768 MeV [35.442 MeV] (A_Rb:144)
85Rb37 + 10 D* --> 69Ga31 + 36S16 + 149.182 MeV [36.856 MeV] (A_Rb:145)
85Rb37 + 10 D* --> 71Ga31 + 34S16 + 149.262 MeV [36.936 MeV] (A_Rb:146)
85Rb37 + 10 D* --> 74Ge32 + 31P15 + 147.053 MeV [34.727 MeV] (A_Rb:147)
85Rb37 + 10 D* --> 75As33 + 30Si14 + 146.655 MeV [34.329 MeV] (A_Rb:148)
85Rb37 + 10 D* --> 78Se34 + 27Al13 + 143.413 MeV [31.087 MeV] (A_Rb:149)
85Rb37 + 10 D* --> 79Br35 + 26Mg12 + 141.473 MeV [29.147 MeV] (A_Rb:150)
85Rb37 + 10 D* --> 81Br35 + 24Mg12 + 141.098 MeV [28.772 MeV] (A_Rb:151)
85Rb37 + 10 D* --> 82Kr36 + 23Na11 + 139.309 MeV [26.983 MeV] (A_Rb:152)
85Rb37 + 10 D* --> 85Rb37 + 20Ne10 + 138.399 MeV [26.073 MeV] (A_Rb:153)
85Rb37 + 10 D* --> 86Sr38 + 19F9 + 135.201 MeV [22.875 MeV] (A_Rb:154)
85Rb37 + 10 D* --> 89Y39 + 16O8 + 141.629 MeV [29.303 MeV] (A_Rb:155)
85Rb37 + 10 D* --> 90Zr40 + 15N7 + 137.856 MeV [25.530 MeV] (A_Rb:156)
85Rb37 + 10 D* --> 91Zr40 + 14N7 + 134.217 MeV [21.891 MeV] (A_Rb:157)
85Rb37 + 10 D* --> 93Nb41 + 12C6 + 136.398 MeV [24.072 MeV] (A_Rb:158)
85Rb37 + 10 D* --> 94Mo42 + 11B5 + 128.932 MeV [16.606 MeV] (A_Rb:159)
85Rb37 + 10 D* --> 95Mo42 + 10B5 + 124.847 MeV [12.521 MeV] (A_Rb:160)
85Rb37 + 10 D* --> 98Ru44 + 7Li3 + 122.506 MeV [10.180 MeV] (A_Rb:161)
85Rb37 + 10 D* --> 99Ru44 + 6Li3 + 122.720 MeV [10.394 MeV] (A_Rb:162)
85Rb37 + 10 D* --> 104Pd46 + 1H1 + 131.291 MeV [18.965 MeV] (A_Rb:163)

85Rb37 + 11 D* --> 54Cr24 + 53Cr24 + 174.543 MeV [49.090 MeV] (A_Rb:164)
85Rb37 + 11 D* --> 57Fe26 + 50Ti22 + 173.932 MeV [48.479 MeV] (A_Rb:165)
85Rb37 + 11 D* --> 58Fe26 + 49Ti22 + 173.038 MeV [47.585 MeV] (A_Rb:166)
85Rb37 + 11 D* --> 61Ni28 + 46Ca20 + 169.682 MeV [44.228 MeV] (A_Rb:167)
85Rb37 + 11 D* --> 64Ni28 + 43Ca20 + 167.834 MeV [42.380 MeV] (A_Rb:168)
85Rb37 + 11 D* --> 67Zn30 + 40Ar18 + 165.246 MeV [39.793 MeV] (A_Rb:169)
85Rb37 + 11 D* --> 73Ge32 + 34S16 + 163.555 MeV [38.102 MeV] (A_Rb:170)
85Rb37 + 11 D* --> 74Ge32 + 33S16 + 162.334 MeV [36.881 MeV] (A_Rb:171)
85Rb37 + 11 D* --> 77Se34 + 30Si14 + 161.358 MeV [35.905 MeV] (A_Rb:172)
85Rb37 + 11 D* --> 78Se34 + 29Si14 + 161.247 MeV [35.794 MeV] (A_Rb:173)
85Rb37 + 11 D* --> 82Kr36 + 25Mg12 + 156.108 MeV [30.655 MeV] (A_Rb:174)
85Rb37 + 11 D* --> 83Kr36 + 24Mg12 + 156.241 MeV [30.788 MeV] (A_Rb:175)
85Rb37 + 11 D* --> 86Sr38 + 21Ne10 + 152.581 MeV [27.128 MeV] (A_Rb:176)
85Rb37 + 11 D* --> 87Sr38 + 20Ne10 + 154.248 MeV [28.795 MeV] (A_Rb:177)
85Rb37 + 11 D* --> 90Zr40 + 17O8 + 151.902 MeV [26.448 MeV] (A_Rb:178)
85Rb37 + 11 D* --> 91Zr40 + 16O8 + 154.953 MeV [29.500 MeV] (A_Rb:179)
85Rb37 + 11 D* --> 93Nb41 + 14N7 + 146.670 MeV [21.217 MeV] (A_Rb:180)
85Rb37 + 11 D* --> 94Mo42 + 13C6 + 147.610 MeV [22.157 MeV] (A_Rb:181)
85Rb37 + 11 D* --> 95Mo42 + 12C6 + 150.033 MeV [24.580 MeV] (A_Rb:182)
85Rb37 + 11 D* --> 98Ru44 + 9Be4 + 139.202 MeV [13.749 MeV] (A_Rb:183)
85Rb37 + 11 D* --> 104Pd46 + 3He2 + 136.784 MeV [11.331 MeV] (A_Rb:184)

85Rb37 + 12 D* --> 55Mn25 + 54Cr24 + 190.104 MeV [51.195 MeV] (A_Rb:185)
85Rb37 + 12 D* --> 58Fe26 + 51V23 + 189.816 MeV [50.906 MeV] (A_Rb:186)
85Rb37 + 12 D* --> 59Co27 + 50Ti22 + 189.116 MeV [50.207 MeV] (A_Rb:187)
85Rb37 + 12 D* --> 64Ni28 + 45Sc21 + 183.628 MeV [44.719 MeV] (A_Rb:188)
85Rb37 + 12 D* --> 63Cu29 + 46Ca20 + 184.176 MeV [45.266 MeV] (A_Rb:189)
85Rb37 + 12 D* --> 65Cu29 + 44Ca20 + 184.193 MeV [45.284 MeV] (A_Rb:190)
85Rb37 + 12 D* --> 68Zn30 + 41K19 + 181.028 MeV [42.118 MeV] (A_Rb:191)

85Rb37 + 12 D* --> 70Zn30 + 39K19 + 178.833 MeV [39.923 MeV] (A_Rb:192)
85Rb37 + 12 D* --> 69Ga31 + 40Ar18 + 179.829 MeV [40.919 MeV] (A_Rb:193)
85Rb37 + 12 D* --> 71Ga31 + 38Ar18 + 180.316 MeV [41.406 MeV] (A_Rb:194)
85Rb37 + 12 D* --> 72Ge32 + 37Cl17 + 179.809 MeV [40.899 MeV] (A_Rb:195)
85Rb37 + 12 D* --> 74Ge32 + 35Cl17 + 177.897 MeV [38.988 MeV] (A_Rb:196)
85Rb37 + 12 D* --> 75As33 + 34S16 + 178.426 MeV [39.516 MeV] (A_Rb:197)
85Rb37 + 12 D* --> 78Se34 + 31P15 + 176.928 MeV [38.019 MeV] (A_Rb:198)
85Rb37 + 12 D* --> 79Br35 + 30Si14 + 175.963 MeV [37.053 MeV] (A_Rb:199)
85Rb37 + 12 D* --> 81Br35 + 28Si14 + 174.929 MeV [36.019 MeV] (A_Rb:200)
85Rb37 + 12 D* --> 82Kr36 + 27Al13 + 173.247 MeV [34.338 MeV] (A_Rb:201)
85Rb37 + 12 D* --> 85Rb37 + 24Mg12 + 171.562 MeV [32.652 MeV] (A_Rb:202)
85Rb37 + 12 D* --> 86Sr38 + 23Na11 + 169.515 MeV [30.605 MeV] (A_Rb:203)
85Rb37 + 12 D* --> 89Y39 + 20Ne10 + 170.205 MeV [31.295 MeV] (A_Rb:204)
85Rb37 + 12 D* --> 90Zr40 + 19F9 + 165.716 MeV [26.806 MeV] (A_Rb:205)
85Rb37 + 12 D* --> 93Nb41 + 16O8 + 167.407 MeV [28.497 MeV] (A_Rb:206)
85Rb37 + 12 D* --> 94Mo42 + 15N7 + 163.770 MeV [24.860 MeV] (A_Rb:207)
85Rb37 + 12 D* --> 95Mo42 + 14N7 + 160.305 MeV [21.396 MeV] (A_Rb:208)
85Rb37 + 12 D* --> 98Ru44 + 11B5 + 155.018 MeV [16.108 MeV] (A_Rb:209)
85Rb37 + 12 D* --> 99Ru44 + 10B5 + 151.028 MeV [12.118 MeV] (A_Rb:210)
85Rb37 + 12 D* --> 102Pd46 + 7Li3 + 148.478 MeV [9.568 MeV] (A_Rb:211)
85Rb37 + 12 D* --> 108Cd48 + 1H1 + 157.425 MeV [18.515 MeV] (A_Rb:212)

87Rb37 + 2 D* --> 76Ge32 + 15N7 + 14.785 MeV [-4.680 MeV] (A_Rb:213)
87Rb37 + 2 D* --> 80Se34 + 11B5 + 10.766 MeV [-8.699 MeV] (A_Rb:214)
87Rb37 + 2 D* --> 84Kr36 + 7Li3 + 9.196 MeV [-10.268 MeV] (A_Rb:215)
87Rb37 + 2 D* --> 87Rb37 + 4He2 + 23.847 MeV [4.382 MeV] (A_Rb:216)

87Rb37 + 3 D* --> 76Ge32 + 17O8 + 28.831 MeV [-0.918 MeV] (A_Rb:217)
87Rb37 + 3 D* --> 80Se34 + 13C6 + 29.444 MeV [-0.305 MeV] (A_Rb:218)
87Rb37 + 3 D* --> 84Kr36 + 9Be4 + 25.893 MeV [-3.857 MeV] (A_Rb:219)
87Rb37 + 3 D* --> 87Rb37 + 6Li3 + 25.320 MeV [-4.429 MeV] (A_Rb:220)

87Rb37 + 4 D* --> 76Ge32 + 19F9 + 42.646 MeV [2.250 MeV] (A_Rb:221)
87Rb37 + 4 D* --> 80Se34 + 15N7 + 45.604 MeV [5.208 MeV] (A_Rb:222)
87Rb37 + 4 D* --> 84Kr36 + 11B5 + 41.708 MeV [1.313 MeV] (A_Rb:223)
87Rb37 + 4 D* --> 88Sr38 + 7Li3 + 40.959 MeV [00.563 MeV] (A_Rb:224)
87Rb37 + 4 D* --> 94Zr40 + 1H1 + 47.923 MeV [7.528 MeV] (A_Rb:225)

87Rb37 + 5 D* --> 49Ti22 + 48Ca20 + 73.854 MeV [22.455 MeV] (A_Rb:226)
87Rb37 + 5 D* --> 76Ge32 + 21Ne10 + 60.026 MeV [8.627 MeV] (A_Rb:227)
87Rb37 + 5 D* --> 80Se34 + 17O8 + 59.650 MeV [8.251 MeV] (A_Rb:228)
87Rb37 + 5 D* --> 84Kr36 + 13C6 + 60.387 MeV [8.988 MeV] (A_Rb:229)
87Rb37 + 5 D* --> 87Rb37 + 10B5 + 53.628 MeV [2.230 MeV] (A_Rb:230)
87Rb37 + 5 D* --> 88Sr38 + 9Be4 + 57.655 MeV [6.257 MeV] (A_Rb:231)
87Rb37 + 5 D* --> 94Zr40 + 3He2 + 53.416 MeV [2.018 MeV] (A_Rb:232)
87Rb37 + 5 D* --> 97Mo42 + 68.621 MeV [17.223 MeV] (A_Rb:233)

87Rb37 + 6 D* --> 51V23 + 48Ca20 + 90.632 MeV [27.878 MeV] (A_Rb:234)
87Rb37 + 6 D* --> 76Ge32 + 23Na11 + 76.959 MeV [14.205 MeV] (A_Rb:235)
87Rb37 + 6 D* --> 80Se34 + 19F9 + 73.464 MeV [10.710 MeV] (A_Rb:236)
87Rb37 + 6 D* --> 81Br35 + 18O8 + 72.973 MeV [10.219 MeV] (A_Rb:237)
87Rb37 + 6 D* --> 84Kr36 + 15N7 + 76.546 MeV [13.792 MeV] (A_Rb:238)
87Rb37 + 6 D* --> 87Rb37 + 12C6 + 78.814 MeV [16.060 MeV] (A_Rb:239)

87Rb37 + 6 D* --> 88Sr38 + 11B5 + 73.470 MeV [10.716 MeV] (A_Rb:240)
87Rb37 + 6 D* --> 92Zr40 + 7Li3 + 67.762 MeV [5.008 MeV] (A_Rb:241)
87Rb37 + 6 D* --> 97Mo42 + 2H1 + 68.621 MeV [5.867 MeV] (A_Rb:242)
87Rb37 + 6 D* --> 98Mo42 + 1H1 + 75.039 MeV [12.285 MeV] (A_Rb:243)

87Rb37 + 7 D* --> 53Cr24 + 48Ca20 + 106.851 MeV [32.393 MeV] (A_Rb:244)
87Rb37 + 7 D* --> 76Ge32 + 25Mg12 + 93.758 MeV [19.300 MeV] (A_Rb:245)
87Rb37 + 7 D* --> 80Se34 + 21Ne10 + 90.844 MeV [16.386 MeV] (A_Rb:246)
87Rb37 + 7 D* --> 83Kr36 + 18O8 + 88.115 MeV [13.657 MeV] (A_Rb:247)
87Rb37 + 7 D* --> 84Kr36 + 17O8 + 90.592 MeV [16.134 MeV] (A_Rb:248)
87Rb37 + 7 D* --> 87Rb37 + 14N7 + 89.087 MeV [14.629 MeV] (A_Rb:249)
87Rb37 + 7 D* --> 88Sr38 + 13C6 + 92.149 MeV [17.691 MeV] (A_Rb:250)
87Rb37 + 7 D* --> 92Zr40 + 9Be4 + 84.458 MeV [10.000 MeV] (A_Rb:251)
87Rb37 + 7 D* --> 97Mo42 + 4He2 + 92.468 MeV [18.010 MeV] (A_Rb:252)
87Rb37 + 7 D* --> 98Mo42 + 3He2 + 80.533 MeV [6.075 MeV] (A_Rb:253)
87Rb37 + 7 D* --> 101Ru44 + 95.302 MeV [20.844 MeV] (A_Rb:254)

87Rb37 + 8 D* --> 55Mn25 + 48Ca20 + 122.413 MeV [35.906 MeV] (A_Rb:255)
87Rb37 + 8 D* --> 76Ge32 + 27Al13 + 110.898 MeV [24.391 MeV] (A_Rb:256)
87Rb37 + 8 D* --> 80Se34 + 23Na11 + 107.778 MeV [21.271 MeV] (A_Rb:257)
87Rb37 + 8 D* --> 81Br35 + 22Ne10 + 106.488 MeV [19.981 MeV] (A_Rb:258)
87Rb37 + 8 D* --> 84Kr36 + 19F9 + 104.406 MeV [17.900 MeV] (A_Rb:259)
87Rb37 + 8 D* --> 85Rb37 + 18O8 + 103.437 MeV [16.930 MeV] (A_Rb:260)
87Rb37 + 8 D* --> 87Rb37 + 16O8 + 109.823 MeV [23.316 MeV] (A_Rb:261)
87Rb37 + 8 D* --> 88Sr38 + 15N7 + 108.308 MeV [21.802 MeV] (A_Rb:262)
87Rb37 + 8 D* --> 92Zr40 + 11B5 + 100.274 MeV [13.767 MeV] (A_Rb:263)
87Rb37 + 8 D* --> 96Mo42 + 7Li3 + 94.370 MeV [7.864 MeV] (A_Rb:264)
87Rb37 + 8 D* --> 97Mo42 + 6Li3 + 93.942 MeV [7.435 MeV] (A_Rb:265)
87Rb37 + 8 D* --> 101Ru44 + 2H1 + 95.302 MeV [8.795 MeV] (A_Rb:266)
87Rb37 + 8 D* --> 102Ru44 + 1H1 + 102.297 MeV [15.790 MeV] (A_Rb:267)
87Rb37 + 8 D* --> 103Rh45 + 108.510 MeV [22.004 MeV] (A_Rb:268)

87Rb37 + 9 D* --> 57Fe26 + 48Ca20 + 138.018 MeV [39.122 MeV] (A_Rb:269)
87Rb37 + 9 D* --> 76Ge32 + 29Si14 + 128.732 MeV [29.836 MeV] (A_Rb:270)
87Rb37 + 9 D* --> 80Se34 + 25Mg12 + 124.576 MeV [25.681 MeV] (A_Rb:271)
87Rb37 + 9 D* --> 83Kr36 + 22Ne10 + 121.630 MeV [22.734 MeV] (A_Rb:272)
87Rb37 + 9 D* --> 84Kr36 + 21Ne10 + 121.786 MeV [22.891 MeV] (A_Rb:273)
87Rb37 + 9 D* --> 87Sr38 + 18O8 + 119.286 MeV [20.390 MeV] (A_Rb:274)
87Rb37 + 9 D* --> 88Sr38 + 17O8 + 122.354 MeV [23.458 MeV] (A_Rb:275)
87Rb37 + 9 D* --> 92Zr40 + 13C6 + 118.953 MeV [20.057 MeV] (A_Rb:276)
87Rb37 + 9 D* --> 96Mo42 + 9Be4 + 111.067 MeV [12.171 MeV] (A_Rb:277)
87Rb37 + 9 D* --> 101Ru44 + 4He2 + 119.149 MeV [20.253 MeV] (A_Rb:278)
87Rb37 + 9 D* --> 102Ru44 + 3He2 + 107.791 MeV [8.895 MeV] (A_Rb:279)
87Rb37 + 9 D* --> 103Rh45 + 2H1 + 108.510 MeV [9.614 MeV] (A_Rb:280)
87Rb37 + 9 D* --> 105Pd46 + 122.037 MeV [23.141 MeV] (A_Rb:281)

87Rb37 + 10 D* --> 59Co27 + 48Ca20 + 153.202 MeV [41.580 MeV] (A_Rb:282)
87Rb37 + 10 D* --> 70Zn30 + 37Cl17 + 148.086 MeV [36.464 MeV] (A_Rb:283)
87Rb37 + 10 D* --> 71Ga31 + 36S16 + 147.564 MeV [35.942 MeV] (A_Rb:284)
87Rb37 + 10 D* --> 76Ge32 + 31P15 + 144.413 MeV [32.792 MeV] (A_Rb:285)
87Rb37 + 10 D* --> 80Se34 + 27Al13 + 141.716 MeV [30.094 MeV] (A_Rb:286)
87Rb37 + 10 D* --> 81Br35 + 26Mg12 + 140.949 MeV [29.327 MeV] (A_Rb:287)
87Rb37 + 10 D* --> 84Kr36 + 23Na11 + 138.720 MeV [27.098 MeV] (A_Rb:288)
87Rb37 + 10 D* --> 85Rb37 + 22Ne10 + 136.951 MeV [25.330 MeV] (A_Rb:289)

87Rb37 + 10 D* --> 87Rb37 + 20Ne10 + 138.399 MeV [26.777 MeV] (A_Rb:290)
87Rb37 + 10 D* --> 88Sr38 + 19F9 + 136.169 MeV [24.547 MeV] (A_Rb:291)
87Rb37 + 10 D* --> 89Y39 + 18O8 + 135.243 MeV [23.621 MeV] (A_Rb:292)
87Rb37 + 10 D* --> 92Zr40 + 15N7 + 135.112 MeV [23.490 MeV] (A_Rb:293)
87Rb37 + 10 D* --> 96Mo42 + 11B5 + 126.882 MeV [15.260 MeV] (A_Rb:294)
87Rb37 + 10 D* --> 97Mo42 + 10B5 + 122.249 MeV [10.627 MeV] (A_Rb:295)
87Rb37 + 10 D* --> 100Ru44 + 7Li3 + 121.070 MeV [9.448 MeV] (A_Rb:296)
87Rb37 + 10 D* --> 101Ru44 + 6Li3 + 120.622 MeV [9.001 MeV] (A_Rb:297)
87Rb37 + 10 D* --> 103Rh45 + 4He2 + 132.357 MeV [20.735 MeV] (A_Rb:298)
87Rb37 + 10 D* --> 105Pd46 + 2H1 + 122.037 MeV [10.415 MeV] (A_Rb:299)
87Rb37 + 10 D* --> 106Pd46 + 1H1 + 129.373 MeV [17.751 MeV] (A_Rb:300)
87Rb37 + 10 D* --> 107Ag47 + 135.161 MeV [23.539 MeV] (A_Rb:301)

87Rb37 + 11 D* --> 61Ni28 + 48Ca20 + 168.330 MeV [43.649 MeV] (A_Rb:302)
87Rb37 + 11 D* --> 73Ge32 + 36S16 + 161.857 MeV [37.176 MeV] (A_Rb:303)
87Rb37 + 11 D* --> 76Ge32 + 33S16 + 159.694 MeV [35.013 MeV] (A_Rb:304)
87Rb37 + 11 D* --> 80Se34 + 29Si14 + 159.550 MeV [34.869 MeV] (A_Rb:305)
87Rb37 + 11 D* --> 83Kr36 + 26Mg12 + 156.091 MeV [31.410 MeV] (A_Rb:306)
87Rb37 + 11 D* --> 84Kr36 + 25Mg12 + 155.519 MeV [30.838 MeV] (A_Rb:307)
87Rb37 + 11 D* --> 87Sr38 + 22Ne10 + 152.800 MeV [28.119 MeV] (A_Rb:308)
87Rb37 + 11 D* --> 88Sr38 + 21Ne10 + 153.549 MeV [28.867 MeV] (A_Rb:309)
87Rb37 + 11 D* --> 91Zr40 + 18O8 + 148.567 MeV [23.886 MeV] (A_Rb:310)
87Rb37 + 11 D* --> 92Zr40 + 17O8 + 149.158 MeV [24.477 MeV] (A_Rb:311)
87Rb37 + 11 D* --> 96Mo42 + 13C6 + 145.561 MeV [20.879 MeV] (A_Rb:312)
87Rb37 + 11 D* --> 97Mo42 + 12C6 + 147.436 MeV [22.754 MeV] (A_Rb:313)
87Rb37 + 11 D* --> 100Ru44 + 9Be4 + 137.766 MeV [13.085 MeV] (A_Rb:314)
87Rb37 + 11 D* --> 103Rh45 + 6Li3 + 133.831 MeV [9.149 MeV] (A_Rb:315)
87Rb37 + 11 D* --> 105Pd46 + 4He2 + 145.883 MeV [21.202 MeV] (A_Rb:316)
87Rb37 + 11 D* --> 106Pd46 + 3He2 + 134.866 MeV [10.185 MeV] (A_Rb:317)
87Rb37 + 11 D* --> 107Ag47 + 2H1 + 135.161 MeV [10.480 MeV] (A_Rb:318)

87Rb37 + 12 D* --> 63Cu29 + 48Ca20 + 182.825 MeV [44.754 MeV] (A_Rb:319)
87Rb37 + 12 D* --> 65Cu29 + 46Ca20 + 183.430 MeV [45.359 MeV] (A_Rb:320)
87Rb37 + 12 D* --> 70Zn30 + 41K19 + 178.155 MeV [40.084 MeV] (A_Rb:321)
87Rb37 + 12 D* --> 71Ga31 + 40Ar18 + 178.211 MeV [40.141 MeV] (A_Rb:322)
87Rb37 + 12 D* --> 74Ge32 + 37Cl17 + 178.215 MeV [40.144 MeV] (A_Rb:323)
87Rb37 + 12 D* --> 76Ge32 + 35Cl17 + 175.257 MeV [37.187 MeV] (A_Rb:324)
87Rb37 + 12 D* --> 75As33 + 36S16 + 176.727 MeV [38.657 MeV] (A_Rb:325)
87Rb37 + 12 D* --> 80Se34 + 31P15 + 175.232 MeV [37.161 MeV] (A_Rb:326)
87Rb37 + 12 D* --> 81Br35 + 30Si14 + 175.439 MeV [37.368 MeV] (A_Rb:327)
87Rb37 + 12 D* --> 84Kr36 + 27Al13 + 172.659 MeV [34.588 MeV] (A_Rb:328)
87Rb37 + 12 D* --> 85Rb37 + 26Mg12 + 171.413 MeV [33.342 MeV] (A_Rb:329)
87Rb37 + 12 D* --> 87Rb37 + 24Mg12 + 171.562 MeV [33.492 MeV] (A_Rb:330)
87Rb37 + 12 D* --> 88Sr38 + 23Na11 + 170.482 MeV [32.412 MeV] (A_Rb:331)
87Rb37 + 12 D* --> 89Y39 + 22Ne10 + 168.757 MeV [30.687 MeV] (A_Rb:332)
87Rb37 + 12 D* --> 92Zr40 + 19F9 + 162.972 MeV [24.902 MeV] (A_Rb:333)
87Rb37 + 12 D* --> 93Nb41 + 18O8 + 161.021 MeV [22.950 MeV] (A_Rb:334)
87Rb37 + 12 D* --> 96Mo42 + 15N7 + 161.720 MeV [23.650 MeV] (A_Rb:335)
87Rb37 + 12 D* --> 97Mo42 + 14N7 + 157.708 MeV [19.637 MeV] (A_Rb:336)
87Rb37 + 12 D* --> 100Ru44 + 11B5 + 153.582 MeV [15.512 MeV] (A_Rb:337)
87Rb37 + 12 D* --> 101Ru44 + 10B5 + 148.930 MeV [10.859 MeV] (A_Rb:338)
87Rb37 + 12 D* --> 104Pd46 + 7Li3 + 147.513 MeV [9.442 MeV] (A_Rb:339)
87Rb37 + 12 D* --> 105Pd46 + 6Li3 + 147.357 MeV [9.286 MeV] (A_Rb:340)
87Rb37 + 12 D* --> 107Ag47 + 4He2 + 159.008 MeV [20.937 MeV] (A_Rb:341)

87Rb37 + 12 D* --> 110Cd48 + 1H1 + 156.095 MeV [18.024 MeV] (A_Rb:342)

---------- Equations follow for Strontium, Sr, element 38 ----------

84Sr38 + D* --> 46Ca20 + 40K19 + 9.162 MeV [-0.755 MeV] (A_Sr:1)
84Sr38 + D* --> 49Ti22 + 37Cl17 + 12.812 MeV [2.895 MeV] (A_Sr:2)
84Sr38 + D* --> 50V23 + 36S16 + 12.378 MeV [2.460 MeV] (A_Sr:3)
84Sr38 + D* --> 65Cu29 + 21Ne10 + 5.487 MeV [-4.430 MeV] (A_Sr:4)
84Sr38 + D* --> 67Zn30 + 19F9 + 1.860 MeV [-8.058 MeV] (A_Sr:5)
84Sr38 + D* --> 69Ga31 + 17O8 + 2.628 MeV [-7.289 MeV] (A_Sr:6)
84Sr38 + D* --> 72Ge32 + 14N7 + 2.214 MeV [-7.703 MeV] (A_Sr:7)

84Sr38 + 2 D* --> 44Ca20 + 44Ca20 + 28.565 MeV [8.363 MeV] (A_Sr:8)
84Sr38 + 2 D* --> 46Ca20 + 42Ca20 + 27.310 MeV [7.108 MeV] (A_Sr:9)
84Sr38 + 2 D* --> 48Ca20 + 40Ca20 + 24.688 MeV [4.486 MeV] (A_Sr:10)
84Sr38 + 2 D* --> 48Ti22 + 40Ar18 + 29.155 MeV [8.954 MeV] (A_Sr:11)
84Sr38 + 2 D* --> 50Ti22 + 38Ar18 + 31.769 MeV [11.567 MeV] (A_Sr:12)
84Sr38 + 2 D* --> 51V23 + 37Cl17 + 29.591 MeV [9.389 MeV] (A_Sr:13)
84Sr38 + 2 D* --> 52Cr24 + 36S16 + 31.709 MeV [11.507 MeV] (A_Sr:14)
84Sr38 + 2 D* --> 54Cr24 + 34S16 + 32.492 MeV [12.290 MeV] (A_Sr:15)
84Sr38 + 2 D* --> 58Fe26 + 30Si14 + 32.214 MeV [12.012 MeV] (A_Sr:16)
84Sr38 + 2 D* --> 62Ni28 + 26Mg12 + 28.588 MeV [8.387 MeV] (A_Sr:17)
84Sr38 + 2 D* --> 64Ni28 + 24Mg12 + 26.660 MeV [6.459 MeV] (A_Sr:18)
84Sr38 + 2 D* --> 65Cu29 + 23Na11 + 22.421 MeV [2.220 MeV] (A_Sr:19)
84Sr38 + 2 D* --> 66Zn30 + 22Ne10 + 22.552 MeV [2.350 MeV] (A_Sr:20)
84Sr38 + 2 D* --> 67Zn30 + 21Ne10 + 19.240 MeV [-0.962 MeV] (A_Sr:21)
84Sr38 + 2 D* --> 68Zn30 + 20Ne10 + 22.677 MeV [2.475 MeV] (A_Sr:22)
84Sr38 + 2 D* --> 69Ga31 + 19F9 + 16.443 MeV [-3.759 MeV] (A_Sr:23)
84Sr38 + 2 D* --> 70Ge32 + 18O8 + 16.972 MeV [-3.229 MeV] (A_Sr:24)
84Sr38 + 2 D* --> 72Ge32 + 16O8 + 22.951 MeV [2.749 MeV] (A_Sr:25)
84Sr38 + 2 D* --> 76Se34 + 12C6 + 20.880 MeV [00.678 MeV] (A_Sr:26)
84Sr38 + 2 D* --> 84Sr38 + 4He2 + 23.847 MeV [3.645 MeV] (A_Sr:27)

84Sr38 + 3 D* --> 49Ti22 + 41K19 + 42.881 MeV [12.034 MeV] (A_Sr:28)
84Sr38 + 3 D* --> 50Ti22 + 40K19 + 43.725 MeV [12.878 MeV] (A_Sr:29)
84Sr38 + 3 D* --> 50V23 + 40Ar18 + 43.025 MeV [12.177 MeV] (A_Sr:30)
84Sr38 + 3 D* --> 53Cr24 + 37Cl17 + 45.810 MeV [14.962 MeV] (A_Sr:31)
84Sr38 + 3 D* --> 65Cu29 + 25Mg12 + 39.220 MeV [8.372 MeV] (A_Sr:32)
84Sr38 + 3 D* --> 67Zn30 + 23Na11 + 36.174 MeV [5.326 MeV] (A_Sr:33)
84Sr38 + 3 D* --> 69Ga31 + 21Ne10 + 33.823 MeV [2.975 MeV] (A_Sr:34)
84Sr38 + 3 D* --> 76Se34 + 14N7 + 31.152 MeV [00.304 MeV] (A_Sr:35)
84Sr38 + 3 D* --> 80Kr36 + 10B5 + 24.605 MeV [-6.242 MeV] (A_Sr:36)
84Sr38 + 3 D* --> 84Sr38 + 6Li3 + 25.320 MeV [-5.527 MeV] (A_Sr:37)

84Sr38 + 4 D* --> 46Ca20 + 46Ti22 + 59.158 MeV [17.307 MeV] (A_Sr:38)
84Sr38 + 4 D* --> 46Ti22 + 46Ca20 + 59.158 MeV [17.307 MeV] (A_Sr:39)
84Sr38 + 4 D* --> 48Ti22 + 44Ca20 + 61.855 MeV [20.005 MeV] (A_Sr:40)
84Sr38 + 4 D* --> 49Ti22 + 43Ca20 + 58.866 MeV [17.016 MeV] (A_Sr:41)
84Sr38 + 4 D* --> 50Ti22 + 42Ca20 + 61.873 MeV [20.022 MeV] (A_Sr:42)
84Sr38 + 4 D* --> 51V23 + 41K19 + 59.660 MeV [17.809 MeV] (A_Sr:43)
84Sr38 + 4 D* --> 52Cr24 + 40Ar18 + 62.356 MeV [20.505 MeV] (A_Sr:44)
84Sr38 + 4 D* --> 54Cr24 + 38Ar18 + 63.546 MeV [21.696 MeV] (A_Sr:45)
84Sr38 + 4 D* --> 55Mn25 + 37Cl17 + 61.371 MeV [19.521 MeV] (A_Sr:46)
84Sr38 + 4 D* --> 56Fe26 + 36S16 + 63.168 MeV [21.318 MeV] (A_Sr:47)

84Sr38 + 4 D* --> 58Fe26 + 34S16 + 63.984 MeV [22.134 MeV] (A_Sr:48)
84Sr38 + 4 D* --> 62Ni28 + 30Si14 + 63.078 MeV [21.228 MeV] (A_Sr:49)
84Sr38 + 4 D* --> 64Ni28 + 28Si14 + 60.491 MeV [18.641 MeV] (A_Sr:50)
84Sr38 + 4 D* --> 65Cu29 + 27Al13 + 56.359 MeV [14.509 MeV] (A_Sr:51)
84Sr38 + 4 D* --> 66Zn30 + 26Mg12 + 57.013 MeV [15.163 MeV] (A_Sr:52)
84Sr38 + 4 D* --> 67Zn30 + 25Mg12 + 52.972 MeV [11.122 MeV] (A_Sr:53)
84Sr38 + 4 D* --> 68Zn30 + 24Mg12 + 55.840 MeV [13.989 MeV] (A_Sr:54)
84Sr38 + 4 D* --> 69Ga31 + 23Na11 + 50.757 MeV [8.906 MeV] (A_Sr:55)
84Sr38 + 4 D* --> 70Ge32 + 22Ne10 + 50.487 MeV [8.636 MeV] (A_Sr:56)
84Sr38 + 4 D* --> 72Ge32 + 20Ne10 + 51.527 MeV [9.676 MeV] (A_Sr:57)
84Sr38 + 4 D* --> 74Se34 + 18O8 + 44.893 MeV [3.043 MeV] (A_Sr:58)
84Sr38 + 4 D* --> 76Se34 + 16O8 + 51.888 MeV [10.038 MeV] (A_Sr:59)
84Sr38 + 4 D* --> 80Kr36 + 12C6 + 49.792 MeV [7.941 MeV] (A_Sr:60)
84Sr38 + 4 D* --> 92Mo42 + 58.704 MeV [16.854 MeV] (A_Sr:61)

84Sr38 + 5 D* --> 49Ti22 + 45Sc21 + 74.661 MeV [21.455 MeV] (A_Sr:62)
84Sr38 + 5 D* --> 50V23 + 44Ca20 + 75.725 MeV [22.519 MeV] (A_Sr:63)
84Sr38 + 5 D* --> 51V23 + 43Ca20 + 75.645 MeV [22.439 MeV] (A_Sr:64)
84Sr38 + 5 D* --> 53Cr24 + 41K19 + 75.879 MeV [22.672 MeV] (A_Sr:65)
84Sr38 + 5 D* --> 54Cr24 + 40K19 + 75.503 MeV [22.296 MeV] (A_Sr:66)
84Sr38 + 5 D* --> 57Fe26 + 37Cl17 + 76.976 MeV [23.770 MeV] (A_Sr:67)
84Sr38 + 5 D* --> 65Cu29 + 29Si14 + 74.193 MeV [20.987 MeV] (A_Sr:68)
84Sr38 + 5 D* --> 67Zn30 + 27Al13 + 70.112 MeV [16.906 MeV] (A_Sr:69)
84Sr38 + 5 D* --> 69Ga31 + 25Mg12 + 67.555 MeV [14.349 MeV] (A_Sr:70)
84Sr38 + 5 D* --> 80Kr36 + 14N7 + 60.064 MeV [6.858 MeV] (A_Sr:71)
84Sr38 + 5 D* --> 84Sr38 + 10B5 + 53.628 MeV [00.422 MeV] (A_Sr:72)
84Sr38 + 5 D* --> 92Mo42 + 2H1 + 58.704 MeV [5.498 MeV] (A_Sr:73)

84Sr38 + 6 D* --> 48Ti22 + 48Ti22 + 95.146 MeV [30.235 MeV] (A_Sr:74)
84Sr38 + 6 D* --> 49Ti22 + 47Ti22 + 91.662 MeV [26.751 MeV] (A_Sr:75)
84Sr38 + 6 D* --> 50Ti22 + 46Ti22 + 93.721 MeV [28.810 MeV] (A_Sr:76)
84Sr38 + 6 D* --> 51V23 + 45Sc21 + 91.440 MeV [26.529 MeV] (A_Sr:77)
84Sr38 + 6 D* --> 50Cr24 + 46Ca20 + 91.565 MeV [26.655 MeV] (A_Sr:78)
84Sr38 + 6 D* --> 52Cr24 + 44Ca20 + 95.056 MeV [30.145 MeV] (A_Sr:79)
84Sr38 + 6 D* --> 53Cr24 + 43Ca20 + 91.864 MeV [26.953 MeV] (A_Sr:80)
84Sr38 + 6 D* --> 54Cr24 + 42Ca20 + 93.650 MeV [28.740 MeV] (A_Sr:81)
84Sr38 + 6 D* --> 55Mn25 + 41K19 + 91.440 MeV [26.530 MeV] (A_Sr:82)
84Sr38 + 6 D* --> 56Fe26 + 40Ar18 + 93.816 MeV [28.905 MeV] (A_Sr:83)
84Sr38 + 6 D* --> 58Fe26 + 38Ar18 + 95.038 MeV [30.128 MeV] (A_Sr:84)
84Sr38 + 6 D* --> 59Co27 + 37Cl17 + 92.160 MeV [27.250 MeV] (A_Sr:85)
84Sr38 + 6 D* --> 60Ni28 + 36S16 + 93.307 MeV [28.396 MeV] (A_Sr:86)
84Sr38 + 6 D* --> 62Ni28 + 34S16 + 94.848 MeV [29.938 MeV] (A_Sr:87)
84Sr38 + 6 D* --> 64Ni28 + 32S16 + 91.285 MeV [26.375 MeV] (A_Sr:88)
84Sr38 + 6 D* --> 65Cu29 + 31P15 + 89.875 MeV [24.965 MeV] (A_Sr:89)
84Sr38 + 6 D* --> 66Zn30 + 30Si14 + 91.503 MeV [26.592 MeV] (A_Sr:90)
84Sr38 + 6 D* --> 67Zn30 + 29Si14 + 87.946 MeV [23.035 MeV] (A_Sr:91)
84Sr38 + 6 D* --> 68Zn30 + 28Si14 + 89.671 MeV [24.760 MeV] (A_Sr:92)
84Sr38 + 6 D* --> 69Ga31 + 27Al13 + 84.695 MeV [19.784 MeV] (A_Sr:93)
84Sr38 + 6 D* --> 70Ge32 + 26Mg12 + 84.948 MeV [20.038 MeV] (A_Sr:94)
84Sr38 + 6 D* --> 72Ge32 + 24Mg12 + 84.690 MeV [19.779 MeV] (A_Sr:95)
84Sr38 + 6 D* --> 74Se34 + 22Ne10 + 78.408 MeV [13.497 MeV] (A_Sr:96)
84Sr38 + 6 D* --> 76Se34 + 20Ne10 + 80.464 MeV [15.554 MeV] (A_Sr:97)
84Sr38 + 6 D* --> 78Kr36 + 18O8 + 73.132 MeV [8.221 MeV] (A_Sr:98)
84Sr38 + 6 D* --> 80Kr36 + 16O8 + 80.800 MeV [15.889 MeV] (A_Sr:99)

84Sr38 + 6 D* --> 84Sr38 + 12C6 + 78.814 MeV [13.904 MeV] (A_Sr:100)
84Sr38 + 6 D* --> 92Mo42 + 4He2 + 82.551 MeV [17.640 MeV] (A_Sr:101)
84Sr38 + 6 D* --> 96Ru44 + 84.243 MeV [19.332 MeV] (A_Sr:102)

84Sr38 + 7 D* --> 50V23 + 48Ti22 + 109.015 MeV [32.056 MeV] (A_Sr:103)
84Sr38 + 7 D* --> 51V23 + 47Ti22 + 108.440 MeV [31.481 MeV] (A_Sr:104)
84Sr38 + 7 D* --> 53Cr24 + 45Sc21 + 107.659 MeV [30.699 MeV] (A_Sr:105)
84Sr38 + 7 D* --> 55Mn25 + 43Ca20 + 107.425 MeV [30.466 MeV] (A_Sr:106)
84Sr38 + 7 D* --> 57Fe26 + 41K19 + 107.045 MeV [30.086 MeV] (A_Sr:107)
84Sr38 + 7 D* --> 58Fe26 + 40K19 + 106.995 MeV [30.036 MeV] (A_Sr:108)
84Sr38 + 7 D* --> 61Ni28 + 37Cl17 + 107.289 MeV [30.329 MeV] (A_Sr:109)
84Sr38 + 7 D* --> 65Cu29 + 33S16 + 105.156 MeV [28.197 MeV] (A_Sr:110)
84Sr38 + 7 D* --> 67Zn30 + 31P15 + 103.628 MeV [26.668 MeV] (A_Sr:111)
84Sr38 + 7 D* --> 69Ga31 + 29Si14 + 102.529 MeV [25.570 MeV] (A_Sr:112)
84Sr38 + 7 D* --> 84Sr38 + 14N7 + 89.087 MeV [12.127 MeV] (A_Sr:113)
84Sr38 + 7 D* --> 92Mo42 + 6Li3 + 84.024 MeV [7.065 MeV] (A_Sr:114)
84Sr38 + 7 D* --> 96Ru44 + 2H1 + 84.243 MeV [7.283 MeV] (A_Sr:115)

84Sr38 + 8 D* --> 50Ti22 + 50Cr24 + 126.128 MeV [36.779 MeV] (A_Sr:116)
84Sr38 + 8 D* --> 50V23 + 50V23 + 122.885 MeV [33.536 MeV] (A_Sr:117)
84Sr38 + 8 D* --> 50Cr24 + 50Ti22 + 126.128 MeV [36.779 MeV] (A_Sr:118)
84Sr38 + 8 D* --> 52Cr24 + 48Ti22 + 128.347 MeV [38.998 MeV] (A_Sr:119)
84Sr38 + 8 D* --> 53Cr24 + 47Ti22 + 124.659 MeV [35.310 MeV] (A_Sr:120)
84Sr38 + 8 D* --> 54Cr24 + 46Ti22 + 125.498 MeV [36.149 MeV] (A_Sr:121)
84Sr38 + 8 D* --> 55Mn25 + 45Sc21 + 123.220 MeV [33.872 MeV] (A_Sr:122)
84Sr38 + 8 D* --> 54Fe26 + 46Ca20 + 123.829 MeV [34.481 MeV] (A_Sr:123)
84Sr38 + 8 D* --> 56Fe26 + 44Ca20 + 126.516 MeV [37.167 MeV] (A_Sr:124)
84Sr38 + 8 D* --> 57Fe26 + 43Ca20 + 123.031 MeV [33.682 MeV] (A_Sr:125)
84Sr38 + 8 D* --> 58Fe26 + 42Ca20 + 125.142 MeV [35.794 MeV] (A_Sr:126)
84Sr38 + 8 D* --> 59Co27 + 41K19 + 122.229 MeV [32.881 MeV] (A_Sr:127)
84Sr38 + 8 D* --> 60Ni28 + 40Ar18 + 123.954 MeV [34.605 MeV] (A_Sr:128)
84Sr38 + 8 D* --> 62Ni28 + 38Ar18 + 125.903 MeV [36.554 MeV] (A_Sr:129)
84Sr38 + 8 D* --> 64Ni28 + 36Ar18 + 121.773 MeV [32.424 MeV] (A_Sr:130)
84Sr38 + 8 D* --> 63Cu29 + 37Cl17 + 121.783 MeV [32.434 MeV] (A_Sr:131)
84Sr38 + 8 D* --> 65Cu29 + 35Cl17 + 120.719 MeV [31.370 MeV] (A_Sr:132)
84Sr38 + 8 D* --> 64Zn30 + 36S16 + 121.110 MeV [31.761 MeV] (A_Sr:133)
84Sr38 + 8 D* --> 66Zn30 + 34S16 + 123.273 MeV [33.924 MeV] (A_Sr:134)
84Sr38 + 8 D* --> 67Zn30 + 33S16 + 118.908 MeV [29.560 MeV] (A_Sr:135)
84Sr38 + 8 D* --> 68Zn30 + 32S16 + 120.465 MeV [31.116 MeV] (A_Sr:136)
84Sr38 + 8 D* --> 69Ga31 + 31P15 + 118.211 MeV [28.862 MeV] (A_Sr:137)
84Sr38 + 8 D* --> 70Ge32 + 30Si14 + 119.438 MeV [30.089 MeV] (A_Sr:138)
84Sr38 + 8 D* --> 72Ge32 + 28Si14 + 118.521 MeV [29.172 MeV] (A_Sr:139)
84Sr38 + 8 D* --> 74Se34 + 26Mg12 + 112.869 MeV [23.521 MeV] (A_Sr:140)
84Sr38 + 8 D* --> 76Se34 + 24Mg12 + 113.628 MeV [24.279 MeV] (A_Sr:141)
84Sr38 + 8 D* --> 78Kr36 + 22Ne10 + 106.646 MeV [17.298 MeV] (A_Sr:142)
84Sr38 + 8 D* --> 80Kr36 + 20Ne10 + 109.376 MeV [20.028 MeV] (A_Sr:143)
84Sr38 + 8 D* --> 84Sr38 + 16O8 + 109.823 MeV [20.474 MeV] (A_Sr:144)
84Sr38 + 8 D* --> 96Ru44 + 4He2 + 108.089 MeV [18.740 MeV] (A_Sr:145)

84Sr38 + 9 D* --> 52Cr24 + 50V23 + 142.216 MeV [40.141 MeV] (A_Sr:146)
84Sr38 + 9 D* --> 55Mn25 + 47Ti22 + 140.221 MeV [38.146 MeV] (A_Sr:147)
84Sr38 + 9 D* --> 57Fe26 + 45Sc21 + 138.826 MeV [36.751 MeV] (A_Sr:148)
84Sr38 + 9 D* --> 59Co27 + 43Ca20 + 138.215 MeV [36.140 MeV] (A_Sr:149)
84Sr38 + 9 D* --> 61Ni28 + 41K19 + 137.358 MeV [35.283 MeV] (A_Sr:150)

84Sr38 + 9 D* --> 62Ni28 + 40K19 + 137.859 MeV [35.784 MeV] (A_Sr:151)
84Sr38 + 9 D* --> 67Zn30 + 35Cl17 + 134.472 MeV [32.397 MeV] (A_Sr:152)
84Sr38 + 9 D* --> 69Ga31 + 33S16 + 133.491 MeV [31.416 MeV] (A_Sr:153)
84Sr38 + 9 D* --> 92Mo42 + 10B5 + 112.332 MeV [10.257 MeV] (A_Sr:154)
84Sr38 + 9 D* --> 96Ru44 + 6Li3 + 109.563 MeV [7.488 MeV] (A_Sr:155)

84Sr38 + 10 D* --> 52Cr24 + 52Cr24 + 161.547 MeV [46.413 MeV] (A_Sr:156)
84Sr38 + 10 D* --> 54Cr24 + 50Cr24 + 157.905 MeV [42.771 MeV] (A_Sr:157)
84Sr38 + 10 D* --> 54Fe26 + 50Ti22 + 158.393 MeV [43.258 MeV] (A_Sr:158)
84Sr38 + 10 D* --> 56Fe26 + 48Ti22 + 159.806 MeV [44.672 MeV] (A_Sr:159)
84Sr38 + 10 D* --> 57Fe26 + 47Ti22 + 155.826 MeV [40.691 MeV] (A_Sr:160)
84Sr38 + 10 D* --> 58Fe26 + 46Ti22 + 156.990 MeV [41.856 MeV] (A_Sr:161)
84Sr38 + 10 D* --> 59Co27 + 45Sc21 + 154.010 MeV [38.875 MeV] (A_Sr:162)
84Sr38 + 10 D* --> 58Ni28 + 46Ca20 + 154.076 MeV [38.942 MeV] (A_Sr:163)
84Sr38 + 10 D* --> 60Ni28 + 44Ca20 + 156.654 MeV [41.519 MeV] (A_Sr:164)
84Sr38 + 10 D* --> 61Ni28 + 43Ca20 + 153.343 MeV [38.208 MeV] (A_Sr:165)
84Sr38 + 10 D* --> 62Ni28 + 42Ca20 + 156.007 MeV [40.872 MeV] (A_Sr:166)
84Sr38 + 10 D* --> 64Ni28 + 40Ca20 + 152.659 MeV [37.524 MeV] (A_Sr:167)
84Sr38 + 10 D* --> 63Cu29 + 41K19 + 151.852 MeV [36.717 MeV] (A_Sr:168)
84Sr38 + 10 D* --> 65Cu29 + 39K19 + 151.784 MeV [36.649 MeV] (A_Sr:169)
84Sr38 + 10 D* --> 64Zn30 + 40Ar18 + 151.757 MeV [36.622 MeV] (A_Sr:170)
84Sr38 + 10 D* --> 66Zn30 + 38Ar18 + 154.327 MeV [39.193 MeV] (A_Sr:171)
84Sr38 + 10 D* --> 68Zn30 + 36Ar18 + 150.952 MeV [35.818 MeV] (A_Sr:172)
84Sr38 + 10 D* --> 69Ga31 + 35Cl17 + 149.055 MeV [33.920 MeV] (A_Sr:173)
84Sr38 + 10 D* --> 70Ge32 + 34S16 + 151.208 MeV [36.074 MeV] (A_Sr:174)
84Sr38 + 10 D* --> 72Ge32 + 32S16 + 149.315 MeV [34.180 MeV] (A_Sr:175)
84Sr38 + 10 D* --> 74Se34 + 30Si14 + 147.359 MeV [32.224 MeV] (A_Sr:176)
84Sr38 + 10 D* --> 76Se34 + 28Si14 + 147.458 MeV [32.324 MeV] (A_Sr:177)
84Sr38 + 10 D* --> 78Kr36 + 26Mg12 + 141.108 MeV [25.973 MeV] (A_Sr:178)
84Sr38 + 10 D* --> 80Kr36 + 24Mg12 + 142.539 MeV [27.405 MeV] (A_Sr:179)
84Sr38 + 10 D* --> 84Sr38 + 20Ne10 + 138.399 MeV [23.265 MeV] (A_Sr:180)
84Sr38 + 10 D* --> 92Mo42 + 12C6 + 137.518 MeV [22.384 MeV] (A_Sr:181)

84Sr38 + 11 D* --> 56Fe26 + 50V23 + 173.676 MeV [45.152 MeV] (A_Sr:182)
84Sr38 + 11 D* --> 59Co27 + 47Ti22 + 171.010 MeV [42.486 MeV] (A_Sr:183)
84Sr38 + 11 D* --> 61Ni28 + 45Sc21 + 169.138 MeV [40.614 MeV] (A_Sr:184)
84Sr38 + 11 D* --> 63Cu29 + 43Ca20 + 167.837 MeV [39.313 MeV] (A_Sr:185)
84Sr38 + 11 D* --> 66Zn30 + 40K19 + 166.284 MeV [37.760 MeV] (A_Sr:186)
84Sr38 + 11 D* --> 67Zn30 + 39K19 + 165.537 MeV [37.012 MeV] (A_Sr:187)
84Sr38 + 11 D* --> 92Mo42 + 14N7 + 147.791 MeV [19.267 MeV] (A_Sr:188)
84Sr38 + 11 D* --> 96Ru44 + 10B5 + 137.870 MeV [9.346 MeV] (A_Sr:189)

84Sr38 + 12 D* --> 54Cr24 + 54Fe26 + 190.170 MeV [47.930 MeV] (A_Sr:190)
84Sr38 + 12 D* --> 54Fe26 + 54Cr24 + 190.170 MeV [47.930 MeV] (A_Sr:191)
84Sr38 + 12 D* --> 56Fe26 + 52Cr24 + 193.007 MeV [50.767 MeV] (A_Sr:192)
84Sr38 + 12 D* --> 58Fe26 + 50Cr24 + 189.398 MeV [47.158 MeV] (A_Sr:193)
84Sr38 + 12 D* --> 58Ni28 + 50Ti22 + 188.639 MeV [46.399 MeV] (A_Sr:194)
84Sr38 + 12 D* --> 60Ni28 + 48Ti22 + 189.945 MeV [47.705 MeV] (A_Sr:195)
84Sr38 + 12 D* --> 61Ni28 + 47Ti22 + 186.138 MeV [43.898 MeV] (A_Sr:196)
84Sr38 + 12 D* --> 62Ni28 + 46Ti22 + 187.854 MeV [45.614 MeV] (A_Sr:197)
84Sr38 + 12 D* --> 63Cu29 + 45Sc21 + 183.632 MeV [41.392 MeV] (A_Sr:198)
84Sr38 + 12 D* --> 64Zn30 + 44Ca20 + 184.457 MeV [42.217 MeV] (A_Sr:199)
84Sr38 + 12 D* --> 66Zn30 + 42Ca20 + 184.431 MeV [42.191 MeV] (A_Sr:200)
84Sr38 + 12 D* --> 68Zn30 + 40Ca20 + 181.838 MeV [39.598 MeV] (A_Sr:201)

84Sr38 + 12 D* --> 69Ga31 + 39K19 + 180.120 MeV [37.880 MeV] (A_Sr:202)
84Sr38 + 12 D* --> 70Ge32 + 38Ar18 + 182.262 MeV [40.022 MeV] (A_Sr:203)
84Sr38 + 12 D* --> 72Ge32 + 36Ar18 + 179.802 MeV [37.562 MeV] (A_Sr:204)
84Sr38 + 12 D* --> 74Se34 + 34S16 + 179.129 MeV [36.889 MeV] (A_Sr:205)
84Sr38 + 12 D* --> 76Se34 + 32S16 + 178.253 MeV [36.013 MeV] (A_Sr:206)
84Sr38 + 12 D* --> 78Kr36 + 30Si14 + 175.597 MeV [33.357 MeV] (A_Sr:207)
84Sr38 + 12 D* --> 80Kr36 + 28Si14 + 176.370 MeV [34.130 MeV] (A_Sr:208)
84Sr38 + 12 D* --> 84Sr38 + 24Mg12 + 171.562 MeV [29.322 MeV] (A_Sr:209)
84Sr38 + 12 D* --> 92Mo42 + 16O8 + 168.527 MeV [26.287 MeV] (A_Sr:210)
84Sr38 + 12 D* --> 96Ru44 + 12C6 + 163.057 MeV [20.817 MeV] (A_Sr:211)

86Sr38 + D* --> 48Ca20 + 40K19 + 6.361 MeV [-3.480 MeV] (A_Sr:212)
86Sr38 + D* --> 87Sr38 + 1H1 + 6.204 MeV [-3.638 MeV] (A_Sr:213)

86Sr38 + 2 D* --> 46Ca20 + 44Ca20 + 26.351 MeV [6.301 MeV] (A_Sr:214)
86Sr38 + 2 D* --> 48Ca20 + 42Ca20 + 24.509 MeV [4.458 MeV] (A_Sr:215)
86Sr38 + 2 D* --> 50Ti22 + 40Ar18 + 28.214 MeV [8.164 MeV] (A_Sr:216)
86Sr38 + 2 D* --> 54Cr24 + 36S16 + 29.344 MeV [9.294 MeV] (A_Sr:217)
86Sr38 + 2 D* --> 64Ni28 + 26Mg12 + 25.062 MeV [5.011 MeV] (A_Sr:218)
86Sr38 + 2 D* --> 68Zn30 + 22Ne10 + 19.780 MeV [-0.271 MeV] (A_Sr:219)
86Sr38 + 2 D* --> 70Zn30 + 20Ne10 + 18.354 MeV [-1.696 MeV] (A_Sr:220)
86Sr38 + 2 D* --> 71Ga31 + 19F9 + 13.375 MeV [-6.675 MeV] (A_Sr:221)
86Sr38 + 2 D* --> 72Ge32 + 18O8 + 15.115 MeV [-4.936 MeV] (A_Sr:222)
86Sr38 + 2 D* --> 73Ge32 + 17O8 + 13.854 MeV [-6.197 MeV] (A_Sr:223)
86Sr38 + 2 D* --> 74Ge32 + 16O8 + 19.907 MeV [-0.144 MeV] (A_Sr:224)
86Sr38 + 2 D* --> 75As33 + 15N7 + 14.679 MeV [-5.372 MeV] (A_Sr:225)
86Sr38 + 2 D* --> 77Se34 + 13C6 + 13.222 MeV [-6.828 MeV] (A_Sr:226)
86Sr38 + 2 D* --> 78Se34 + 12C6 + 18.774 MeV [-1.277 MeV] (A_Sr:227)
86Sr38 + 2 D* --> 79Br35 + 11B5 + 9.148 MeV [-10.902 MeV] (A_Sr:228)
86Sr38 + 2 D* --> 86Sr38 + 4He2 + 23.847 MeV [3.796 MeV] (A_Sr:229)
86Sr38 + 2 D* --> 87Sr38 + 3He2 + 11.697 MeV [-8.354 MeV] (A_Sr:230)
86Sr38 + 2 D* --> 89Y39 + 1H1 + 22.161 MeV [2.110 MeV] (A_Sr:231)
86Sr38 + 2 D* --> 90Zr40 + 30.515 MeV [10.464 MeV] (A_Sr:232)

86Sr38 + 3 D* --> 71Ga31 + 21Ne10 + 30.756 MeV [00.133 MeV] (A_Sr:233)
86Sr38 + 3 D* --> 73Ge32 + 19F9 + 27.669 MeV [-2.954 MeV] (A_Sr:234)
86Sr38 + 3 D* --> 75As33 + 17O8 + 28.725 MeV [-1.897 MeV] (A_Sr:235)
86Sr38 + 3 D* --> 77Se34 + 15N7 + 29.382 MeV [-1.241 MeV] (A_Sr:236)
86Sr38 + 3 D* --> 78Se34 + 14N7 + 29.046 MeV [-1.576 MeV] (A_Sr:237)
86Sr38 + 3 D* --> 79Br35 + 13C6 + 27.827 MeV [-2.795 MeV] (A_Sr:238)
86Sr38 + 3 D* --> 82Kr36 + 10B5 + 23.422 MeV [-7.200 MeV] (A_Sr:239)
86Sr38 + 3 D* --> 86Sr38 + 6Li3 + 25.320 MeV [-5.302 MeV] (A_Sr:240)
86Sr38 + 3 D* --> 89Y39 + 3He2 + 27.654 MeV [-2.968 MeV] (A_Sr:241)
86Sr38 + 3 D* --> 90Zr40 + 2H1 + 30.515 MeV [-0.107 MeV] (A_Sr:242)
86Sr38 + 3 D* --> 91Zr40 + 1H1 + 35.485 MeV [4.863 MeV] (A_Sr:243)

86Sr38 + 4 D* --> 48Ca20 + 46Ti22 + 56.357 MeV [14.805 MeV] (A_Sr:244)
86Sr38 + 4 D* --> 48Ti22 + 46Ca20 + 59.642 MeV [18.091 MeV] (A_Sr:245)
86Sr38 + 4 D* --> 50Ti22 + 44Ca20 + 60.914 MeV [19.363 MeV] (A_Sr:246)
86Sr38 + 4 D* --> 54Cr24 + 40Ar18 + 59.992 MeV [18.440 MeV] (A_Sr:247)
86Sr38 + 4 D* --> 58Fe26 + 36S16 + 60.837 MeV [19.285 MeV] (A_Sr:248)
86Sr38 + 4 D* --> 64Ni28 + 30Si14 + 59.552 MeV [18.000 MeV] (A_Sr:249)
86Sr38 + 4 D* --> 68Zn30 + 26Mg12 + 54.241 MeV [12.690 MeV] (A_Sr:250)
86Sr38 + 4 D* --> 70Zn30 + 24Mg12 + 51.518 MeV [9.966 MeV] (A_Sr:251)

86Sr38 + 4 D* --> 71Ga31 + 23Na11 + 47.689 MeV [6.138 MeV] (A_Sr:252)
86Sr38 + 4 D* --> 72Ge32 + 22Ne10 + 48.630 MeV [7.078 MeV] (A_Sr:253)
86Sr38 + 4 D* --> 73Ge32 + 21Ne10 + 45.049 MeV [3.497 MeV] (A_Sr:254)
86Sr38 + 4 D* --> 74Ge32 + 20Ne10 + 48.484 MeV [6.932 MeV] (A_Sr:255)
86Sr38 + 4 D* --> 75As33 + 19F9 + 42.539 MeV [00.988 MeV] (A_Sr:256)
86Sr38 + 4 D* --> 76Se34 + 18O8 + 44.053 MeV [2.501 MeV] (A_Sr:257)
86Sr38 + 4 D* --> 77Se34 + 17O8 + 43.428 MeV [1.876 MeV] (A_Sr:258)
86Sr38 + 4 D* --> 78Se34 + 16O8 + 49.782 MeV [8.231 MeV] (A_Sr:259)
86Sr38 + 4 D* --> 79Br35 + 15N7 + 43.986 MeV [2.435 MeV] (A_Sr:260)
86Sr38 + 4 D* --> 82Kr36 + 12C6 + 48.609 MeV [7.057 MeV] (A_Sr:261)
86Sr38 + 4 D* --> 90Zr40 + 4He2 + 54.362 MeV [12.810 MeV] (A_Sr:262)
86Sr38 + 4 D* --> 91Zr40 + 3He2 + 40.978 MeV [-0.573 MeV] (A_Sr:263)
86Sr38 + 4 D* --> 93Nb41 + 1H1 + 47.939 MeV [6.387 MeV] (A_Sr:264)
86Sr38 + 4 D* --> 94Mo42 + 56.429 MeV [14.877 MeV] (A_Sr:265)

86Sr38 + 5 D* --> 50V23 + 46Ca20 + 73.512 MeV [20.678 MeV] (A_Sr:266)
86Sr38 + 5 D* --> 71Ga31 + 25Mg12 + 64.488 MeV [11.654 MeV] (A_Sr:267)
86Sr38 + 5 D* --> 73Ge32 + 23Na11 + 61.982 MeV [9.148 MeV] (A_Sr:268)
86Sr38 + 5 D* --> 75As33 + 21Ne10 + 59.919 MeV [7.085 MeV] (A_Sr:269)
86Sr38 + 5 D* --> 77Se34 + 19F9 + 57.242 MeV [4.408 MeV] (A_Sr:270)
86Sr38 + 5 D* --> 79Br35 + 17O8 + 58.032 MeV [5.198 MeV] (A_Sr:271)
86Sr38 + 5 D* --> 82Kr36 + 14N7 + 58.881 MeV [6.047 MeV] (A_Sr:272)
86Sr38 + 5 D* --> 86Sr38 + 10B5 + 53.628 MeV [00.794 MeV] (A_Sr:273)
86Sr38 + 5 D* --> 90Zr40 + 6Li3 + 55.836 MeV [3.001 MeV] (A_Sr:274)
86Sr38 + 5 D* --> 93Nb41 + 3He2 + 53.432 MeV [00.598 MeV] (A_Sr:275)
86Sr38 + 5 D* --> 94Mo42 + 2H1 + 56.429 MeV [3.595 MeV] (A_Sr:276)
86Sr38 + 5 D* --> 95Mo42 + 1H1 + 61.574 MeV [8.739 MeV] (A_Sr:277)

86Sr38 + 6 D* --> 49Ti22 + 49Ti22 + 91.408 MeV [26.942 MeV] (A_Sr:278)
86Sr38 + 6 D* --> 50Ti22 + 48Ti22 + 94.205 MeV [29.739 MeV] (A_Sr:279)
86Sr38 + 6 D* --> 50Cr24 + 48Ca20 + 88.764 MeV [24.298 MeV] (A_Sr:280)
86Sr38 + 6 D* --> 52Cr24 + 46Ca20 + 92.843 MeV [28.377 MeV] (A_Sr:281)
86Sr38 + 6 D* --> 54Cr24 + 44Ca20 + 92.692 MeV [28.226 MeV] (A_Sr:282)
86Sr38 + 6 D* --> 58Fe26 + 40Ar18 + 91.484 MeV [27.018 MeV] (A_Sr:283)
86Sr38 + 6 D* --> 62Ni28 + 36S16 + 91.701 MeV [27.235 MeV] (A_Sr:284)
86Sr38 + 6 D* --> 64Ni28 + 34S16 + 91.322 MeV [26.856 MeV] (A_Sr:285)
86Sr38 + 6 D* --> 68Zn30 + 30Si14 + 88.731 MeV [24.265 MeV] (A_Sr:286)
86Sr38 + 6 D* --> 70Zn30 + 28Si14 + 85.348 MeV [20.882 MeV] (A_Sr:287)
86Sr38 + 6 D* --> 71Ga31 + 27Al13 + 81.628 MeV [17.162 MeV] (A_Sr:288)
86Sr38 + 6 D* --> 72Ge32 + 26Mg12 + 83.091 MeV [18.625 MeV] (A_Sr:289)
86Sr38 + 6 D* --> 73Ge32 + 25Mg12 + 78.781 MeV [14.315 MeV] (A_Sr:290)
86Sr38 + 6 D* --> 74Ge32 + 24Mg12 + 81.647 MeV [17.181 MeV] (A_Sr:291)
86Sr38 + 6 D* --> 75As33 + 23Na11 + 76.853 MeV [12.387 MeV] (A_Sr:292)
86Sr38 + 6 D* --> 76Se34 + 22Ne10 + 77.568 MeV [13.102 MeV] (A_Sr:293)
86Sr38 + 6 D* --> 77Se34 + 21Ne10 + 74.622 MeV [10.156 MeV] (A_Sr:294)
86Sr38 + 6 D* --> 78Se34 + 20Ne10 + 78.359 MeV [13.893 MeV] (A_Sr:295)
86Sr38 + 6 D* --> 79Br35 + 19F9 + 71.847 MeV [7.381 MeV] (A_Sr:296)
86Sr38 + 6 D* --> 80Kr36 + 18O8 + 72.965 MeV [8.499 MeV] (A_Sr:297)
86Sr38 + 6 D* --> 82Kr36 + 16O8 + 79.617 MeV [15.151 MeV] (A_Sr:298)
86Sr38 + 6 D* --> 86Sr38 + 12C6 + 78.814 MeV [14.348 MeV] (A_Sr:299)
86Sr38 + 6 D* --> 94Mo42 + 4He2 + 80.276 MeV [15.810 MeV] (A_Sr:300)
86Sr38 + 6 D* --> 95Mo42 + 3He2 + 67.067 MeV [2.601 MeV] (A_Sr:301)
86Sr38 + 6 D* --> 98Ru44 + 82.515 MeV [18.049 MeV] (A_Sr:302)

86Sr38 + 7 D* --> 50Ti22 + 50V23 + 108.075 MeV [31.632 MeV] (A_Sr:303)
86Sr38 + 7 D* --> 50V23 + 50Ti22 + 108.075 MeV [31.632 MeV] (A_Sr:304)
86Sr38 + 7 D* --> 51V23 + 49Ti22 + 108.187 MeV [31.744 MeV] (A_Sr:305)
86Sr38 + 7 D* --> 71Ga31 + 29Si14 + 99.462 MeV [23.019 MeV] (A_Sr:306)
86Sr38 + 7 D* --> 73Ge32 + 27Al13 + 95.921 MeV [19.478 MeV] (A_Sr:307)
86Sr38 + 7 D* --> 75As33 + 25Mg12 + 93.652 MeV [17.209 MeV] (A_Sr:308)
86Sr38 + 7 D* --> 77Se34 + 23Na11 + 91.556 MeV [15.113 MeV] (A_Sr:309)
86Sr38 + 7 D* --> 79Br35 + 21Ne10 + 89.227 MeV [12.784 MeV] (A_Sr:310)
86Sr38 + 7 D* --> 86Sr38 + 14N7 + 89.087 MeV [12.644 MeV] (A_Sr:311)
86Sr38 + 7 D* --> 90Zr40 + 10B5 + 84.143 MeV [7.700 MeV] (A_Sr:312)
86Sr38 + 7 D* --> 94Mo42 + 6Li3 + 81.749 MeV [5.307 MeV] (A_Sr:313)
86Sr38 + 7 D* --> 98Ru44 + 2H1 + 82.515 MeV [6.072 MeV] (A_Sr:314)
86Sr38 + 7 D* --> 99Ru44 + 1H1 + 87.754 MeV [11.312 MeV] (A_Sr:315)

86Sr38 + 8 D* --> 51V23 + 51V23 + 124.965 MeV [36.204 MeV] (A_Sr:316)
86Sr38 + 8 D* --> 52Cr24 + 50Ti22 + 127.406 MeV [38.645 MeV] (A_Sr:317)
86Sr38 + 8 D* --> 53Cr24 + 49Ti22 + 124.406 MeV [35.645 MeV] (A_Sr:318)
86Sr38 + 8 D* --> 54Cr24 + 48Ti22 + 125.982 MeV [37.222 MeV] (A_Sr:319)
86Sr38 + 8 D* --> 54Fe26 + 48Ca20 + 121.029 MeV [32.268 MeV] (A_Sr:320)
86Sr38 + 8 D* --> 56Fe26 + 46Ca20 + 124.303 MeV [35.542 MeV] (A_Sr:321)
86Sr38 + 8 D* --> 58Fe26 + 44Ca20 + 124.184 MeV [35.423 MeV] (A_Sr:322)
86Sr38 + 8 D* --> 62Ni28 + 40Ar18 + 122.348 MeV [33.587 MeV] (A_Sr:323)
86Sr38 + 8 D* --> 64Ni28 + 38Ar18 + 122.376 MeV [33.615 MeV] (A_Sr:324)
86Sr38 + 8 D* --> 65Cu29 + 37Cl17 + 119.587 MeV [30.827 MeV] (A_Sr:325)
86Sr38 + 8 D* --> 66Zn30 + 36S16 + 120.126 MeV [31.365 MeV] (A_Sr:326)
86Sr38 + 8 D* --> 68Zn30 + 34S16 + 120.501 MeV [31.740 MeV] (A_Sr:327)
86Sr38 + 8 D* --> 70Zn30 + 32S16 + 116.143 MeV [27.382 MeV] (A_Sr:328)
86Sr38 + 8 D* --> 71Ga31 + 31P15 + 115.143 MeV [26.382 MeV] (A_Sr:329)
86Sr38 + 8 D* --> 72Ge32 + 30Si14 + 117.581 MeV [28.820 MeV] (A_Sr:330)
86Sr38 + 8 D* --> 73Ge32 + 29Si14 + 113.755 MeV [24.994 MeV] (A_Sr:331)
86Sr38 + 8 D* --> 74Ge32 + 28Si14 + 115.477 MeV [26.717 MeV] (A_Sr:332)
86Sr38 + 8 D* --> 75As33 + 27Al13 + 110.791 MeV [22.030 MeV] (A_Sr:333)
86Sr38 + 8 D* --> 76Se34 + 26Mg12 + 112.029 MeV [23.268 MeV] (A_Sr:334)
86Sr38 + 8 D* --> 77Se34 + 25Mg12 + 108.355 MeV [19.594 MeV] (A_Sr:335)
86Sr38 + 8 D* --> 78Se34 + 24Mg12 + 111.522 MeV [22.761 MeV] (A_Sr:336)
86Sr38 + 8 D* --> 79Br35 + 23Na11 + 106.161 MeV [17.400 MeV] (A_Sr:337)
86Sr38 + 8 D* --> 80Kr36 + 22Ne10 + 106.479 MeV [17.719 MeV] (A_Sr:338)
86Sr38 + 8 D* --> 82Kr36 + 20Ne10 + 108.194 MeV [19.433 MeV] (A_Sr:339)
86Sr38 + 8 D* --> 84Sr38 + 18O8 + 101.988 MeV [13.227 MeV] (A_Sr:340)
86Sr38 + 8 D* --> 86Sr38 + 16O8 + 109.823 MeV [21.062 MeV] (A_Sr:341)
86Sr38 + 8 D* --> 90Zr40 + 12C6 + 109.329 MeV [20.569 MeV] (A_Sr:342)
86Sr38 + 8 D* --> 98Ru44 + 4He2 + 106.362 MeV [17.601 MeV] (A_Sr:343)
86Sr38 + 8 D* --> 99Ru44 + 3He2 + 93.248 MeV [4.487 MeV] (A_Sr:344)
86Sr38 + 8 D* --> 102Pd46 + 108.487 MeV [19.726 MeV] (A_Sr:345)

86Sr38 + 9 D* --> 53Cr24 + 51V23 + 141.184 MeV [39.768 MeV] (A_Sr:346)
86Sr38 + 9 D* --> 54Cr24 + 50V23 + 139.852 MeV [38.436 MeV] (A_Sr:347)
86Sr38 + 9 D* --> 55Mn25 + 49Ti22 + 139.967 MeV [38.551 MeV] (A_Sr:348)
86Sr38 + 9 D* --> 64Ni28 + 40K19 + 134.332 MeV [32.916 MeV] (A_Sr:349)
86Sr38 + 9 D* --> 67Zn30 + 37Cl17 + 133.340 MeV [31.923 MeV] (A_Sr:350)
86Sr38 + 9 D* --> 71Ga31 + 33S16 + 130.424 MeV [29.008 MeV] (A_Sr:351)
86Sr38 + 9 D* --> 73Ge32 + 31P15 + 129.436 MeV [28.020 MeV] (A_Sr:352)
86Sr38 + 9 D* --> 75As33 + 29Si14 + 128.625 MeV [27.209 MeV] (A_Sr:353)
86Sr38 + 9 D* --> 77Se34 + 27Al13 + 125.494 MeV [24.078 MeV] (A_Sr:354)

86Sr38 + 9 D* --> 79Br35 + 25Mg12 + 122.959 MeV [21.543 MeV] (A_Sr:355)
86Sr38 + 9 D* --> 90Zr40 + 14N7 + 119.602 MeV [18.185 MeV] (A_Sr:356)
86Sr38 + 9 D* --> 94Mo42 + 10B5 + 110.057 MeV [8.640 MeV] (A_Sr:357)
86Sr38 + 9 D* --> 98Ru44 + 6Li3 + 107.836 MeV [6.419 MeV] (A_Sr:358)
86Sr38 + 9 D* --> 102Pd46 + 2H1 + 108.487 MeV [7.071 MeV] (A_Sr:359)

86Sr38 + 10 D* --> 53Cr24 + 53Cr24 + 157.403 MeV [42.997 MeV] (A_Sr:360)
86Sr38 + 10 D* --> 54Cr24 + 52Cr24 + 159.183 MeV [44.777 MeV] (A_Sr:361)
86Sr38 + 10 D* --> 55Mn25 + 51V23 + 156.746 MeV [42.340 MeV] (A_Sr:362)
86Sr38 + 10 D* --> 56Fe26 + 50Ti22 + 158.866 MeV [44.460 MeV] (A_Sr:363)
86Sr38 + 10 D* --> 57Fe26 + 49Ti22 + 155.573 MeV [41.167 MeV] (A_Sr:364)
86Sr38 + 10 D* --> 58Fe26 + 48Ti22 + 157.475 MeV [43.069 MeV] (A_Sr:365)
86Sr38 + 10 D* --> 58Ni28 + 48Ca20 + 151.275 MeV [36.870 MeV] (A_Sr:366)
86Sr38 + 10 D* --> 60Ni28 + 46Ca20 + 154.441 MeV [40.035 MeV] (A_Sr:367)
86Sr38 + 10 D* --> 62Ni28 + 44Ca20 + 155.048 MeV [40.642 MeV] (A_Sr:368)
86Sr38 + 10 D* --> 64Ni28 + 42Ca20 + 152.480 MeV [38.074 MeV] (A_Sr:369)
86Sr38 + 10 D* --> 65Cu29 + 41K19 + 149.656 MeV [35.250 MeV] (A_Sr:370)
86Sr38 + 10 D* --> 66Zn30 + 40Ar18 + 150.773 MeV [36.367 MeV] (A_Sr:371)
86Sr38 + 10 D* --> 68Zn30 + 38Ar18 + 151.555 MeV [37.150 MeV] (A_Sr:372)
86Sr38 + 10 D* --> 70Zn30 + 36Ar18 + 146.630 MeV [32.224 MeV] (A_Sr:373)
86Sr38 + 10 D* --> 69Ga31 + 37Cl17 + 147.923 MeV [33.517 MeV] (A_Sr:374)
86Sr38 + 10 D* --> 71Ga31 + 35Cl17 + 145.987 MeV [31.582 MeV] (A_Sr:375)
86Sr38 + 10 D* --> 70Ge32 + 36S16 + 148.061 MeV [33.655 MeV] (A_Sr:376)
86Sr38 + 10 D* --> 72Ge32 + 34S16 + 149.351 MeV [34.945 MeV] (A_Sr:377)
86Sr38 + 10 D* --> 73Ge32 + 33S16 + 144.717 MeV [30.311 MeV] (A_Sr:378)
86Sr38 + 10 D* --> 74Ge32 + 32S16 + 146.272 MeV [31.866 MeV] (A_Sr:379)
86Sr38 + 10 D* --> 75As33 + 31P15 + 144.307 MeV [29.901 MeV] (A_Sr:380)
86Sr38 + 10 D* --> 76Se34 + 30Si14 + 146.519 MeV [32.113 MeV] (A_Sr:381)
86Sr38 + 10 D* --> 77Se34 + 29Si14 + 143.328 MeV [28.922 MeV] (A_Sr:382)
86Sr38 + 10 D* --> 78Se34 + 28Si14 + 145.353 MeV [30.947 MeV] (A_Sr:383)
86Sr38 + 10 D* --> 79Br35 + 27Al13 + 140.099 MeV [25.693 MeV] (A_Sr:384)
86Sr38 + 10 D* --> 80Kr36 + 26Mg12 + 140.941 MeV [26.535 MeV] (A_Sr:385)
86Sr38 + 10 D* --> 82Kr36 + 24Mg12 + 141.357 MeV [26.951 MeV] (A_Sr:386)
86Sr38 + 10 D* --> 84Sr38 + 22Ne10 + 135.502 MeV [21.096 MeV] (A_Sr:387)
86Sr38 + 10 D* --> 86Sr38 + 20Ne10 + 138.399 MeV [23.993 MeV] (A_Sr:388)
86Sr38 + 10 D* --> 90Zr40 + 16O8 + 140.338 MeV [25.932 MeV] (A_Sr:389)
86Sr38 + 10 D* --> 94Mo42 + 12C6 + 135.243 MeV [20.837 MeV] (A_Sr:390)
86Sr38 + 10 D* --> 102Pd46 + 4He2 + 132.334 MeV [17.928 MeV] (A_Sr:391)
86Sr38 + 10 D* --> 106Cd48 + 133.966 MeV [19.560 MeV] (A_Sr:392)

86Sr38 + 11 D* --> 55Mn25 + 53Cr24 + 172.965 MeV [45.239 MeV] (A_Sr:393)
86Sr38 + 11 D* --> 57Fe26 + 51V23 + 172.351 MeV [44.625 MeV] (A_Sr:394)
86Sr38 + 11 D* --> 58Fe26 + 50V23 + 171.344 MeV [43.619 MeV] (A_Sr:395)
86Sr38 + 11 D* --> 59Co27 + 49Ti22 + 170.757 MeV [43.031 MeV] (A_Sr:396)
86Sr38 + 11 D* --> 65Cu29 + 43Ca20 + 165.642 MeV [37.916 MeV] (A_Sr:397)
86Sr38 + 11 D* --> 67Zn30 + 41K19 + 163.409 MeV [35.683 MeV] (A_Sr:398)
86Sr38 + 11 D* --> 68Zn30 + 40K19 + 163.512 MeV [35.786 MeV] (A_Sr:399)
86Sr38 + 11 D* --> 73Ge32 + 35Cl17 + 160.280 MeV [32.555 MeV] (A_Sr:400)
86Sr38 + 11 D* --> 75As33 + 33S16 + 159.588 MeV [31.862 MeV] (A_Sr:401)
86Sr38 + 11 D* --> 77Se34 + 31P15 + 159.010 MeV [31.284 MeV] (A_Sr:402)
86Sr38 + 11 D* --> 79Br35 + 29Si14 + 157.933 MeV [30.207 MeV] (A_Sr:403)
86Sr38 + 11 D* --> 94Mo42 + 14N7 + 145.516 MeV [17.790 MeV] (A_Sr:404)
86Sr38 + 11 D* --> 98Ru44 + 10B5 + 136.143 MeV [8.417 MeV] (A_Sr:405)
86Sr38 + 11 D* --> 102Pd46 + 6Li3 + 133.808 MeV [6.082 MeV] (A_Sr:406)

86Sr38 + 11 D* --> 106Cd48 + 2H1 + 133.966 MeV [6.240 MeV] (A_Sr:407)

86Sr38 + 12 D* --> 55Mn25 + 55Mn25 + 188.526 MeV [47.154 MeV] (A_Sr:408)
86Sr38 + 12 D* --> 56Fe26 + 54Cr24 + 190.643 MeV [49.270 MeV] (A_Sr:409)
86Sr38 + 12 D* --> 57Fe26 + 53Cr24 + 188.570 MeV [47.197 MeV] (A_Sr:410)
86Sr38 + 12 D* --> 58Fe26 + 52Cr24 + 190.675 MeV [49.303 MeV] (A_Sr:411)
86Sr38 + 12 D* --> 59Co27 + 51V23 + 187.535 MeV [46.162 MeV] (A_Sr:412)
86Sr38 + 12 D* --> 60Ni28 + 50Ti22 + 189.004 MeV [47.631 MeV] (A_Sr:413)
86Sr38 + 12 D* --> 61Ni28 + 49Ti22 + 185.885 MeV [44.512 MeV] (A_Sr:414)
86Sr38 + 12 D* --> 62Ni28 + 48Ti22 + 188.339 MeV [46.966 MeV] (A_Sr:415)
86Sr38 + 12 D* --> 64Ni28 + 46Ti22 + 184.328 MeV [42.955 MeV] (A_Sr:416)
86Sr38 + 12 D* --> 65Cu29 + 45Sc21 + 181.437 MeV [40.064 MeV] (A_Sr:417)
86Sr38 + 12 D* --> 64Zn30 + 46Ca20 + 182.244 MeV [40.871 MeV] (A_Sr:418)
86Sr38 + 12 D* --> 66Zn30 + 44Ca20 + 183.473 MeV [42.100 MeV] (A_Sr:419)
86Sr38 + 12 D* --> 67Zn30 + 43Ca20 + 179.394 MeV [38.021 MeV] (A_Sr:420)
86Sr38 + 12 D* --> 68Zn30 + 42Ca20 + 181.659 MeV [40.287 MeV] (A_Sr:421)
86Sr38 + 12 D* --> 70Zn30 + 40Ca20 + 177.516 MeV [36.143 MeV] (A_Sr:422)
86Sr38 + 12 D* --> 69Ga31 + 41K19 + 177.992 MeV [36.619 MeV] (A_Sr:423)
86Sr38 + 12 D* --> 71Ga31 + 39K19 + 177.052 MeV [35.680 MeV] (A_Sr:424)
86Sr38 + 12 D* --> 70Ge32 + 40Ar18 + 178.708 MeV [37.335 MeV] (A_Sr:425)
86Sr38 + 12 D* --> 72Ge32 + 38Ar18 + 180.406 MeV [39.033 MeV] (A_Sr:426)
86Sr38 + 12 D* --> 74Ge32 + 36Ar18 + 176.759 MeV [35.386 MeV] (A_Sr:427)
86Sr38 + 12 D* --> 75As33 + 35Cl17 + 175.151 MeV [33.778 MeV] (A_Sr:428)
86Sr38 + 12 D* --> 74Se34 + 36S16 + 175.982 MeV [34.609 MeV] (A_Sr:429)
86Sr38 + 12 D* --> 76Se34 + 34S16 + 178.289 MeV [36.916 MeV] (A_Sr:430)
86Sr38 + 12 D* --> 77Se34 + 33S16 + 174.291 MeV [32.918 MeV] (A_Sr:431)
86Sr38 + 12 D* --> 78Se34 + 32S16 + 176.147 MeV [34.774 MeV] (A_Sr:432)
86Sr38 + 12 D* --> 79Br35 + 31P15 + 173.614 MeV [32.242 MeV] (A_Sr:433)
86Sr38 + 12 D* --> 80Kr36 + 30Si14 + 175.431 MeV [34.058 MeV] (A_Sr:434)
86Sr38 + 12 D* --> 82Kr36 + 28Si14 + 175.187 MeV [33.815 MeV] (A_Sr:435)
86Sr38 + 12 D* --> 84Sr38 + 26Mg12 + 169.964 MeV [28.591 MeV] (A_Sr:436)
86Sr38 + 12 D* --> 86Sr38 + 24Mg12 + 171.562 MeV [30.190 MeV] (A_Sr:437)
86Sr38 + 12 D* --> 90Zr40 + 20Ne10 + 168.914 MeV [27.542 MeV] (A_Sr:438)
86Sr38 + 12 D* --> 92Mo42 + 18O8 + 160.692 MeV [19.319 MeV] (A_Sr:439)
86Sr38 + 12 D* --> 94Mo42 + 16O8 + 166.252 MeV [24.879 MeV] (A_Sr:440)
86Sr38 + 12 D* --> 98Ru44 + 12C6 + 161.330 MeV [19.957 MeV] (A_Sr:441)
86Sr38 + 12 D* --> 106Cd48 + 4He2 + 157.813 MeV [16.440 MeV] (A_Sr:442)

87Sr38 + D* --> 48Ca20 + 41K19 + 8.029 MeV [-1.776 MeV] (A_Sr:443)
87Sr38 + D* --> 74Ge32 + 15N7 + 1.576 MeV [-8.229 MeV] (A_Sr:444)
87Sr38 + D* --> 85Rb37 + 4He2 + 7.998 MeV [-1.807 MeV] (A_Sr:445)
87Sr38 + D* --> 88Sr38 + 1H1 + 8.888 MeV [-0.917 MeV] (A_Sr:446)
87Sr38 + D* --> 89Y39 + 15.957 MeV [6.152 MeV] (A_Sr:447)

87Sr38 + 2 D* --> 48Ca20 + 43Ca20 + 24.014 MeV [4.037 MeV] (A_Sr:448)
87Sr38 + 2 D* --> 70Zn30 + 21Ne10 + 16.687 MeV [-3.290 MeV] (A_Sr:449)
87Sr38 + 2 D* --> 73Ge32 + 18O8 + 13.470 MeV [-6.507 MeV] (A_Sr:450)
87Sr38 + 2 D* --> 74Ge32 + 17O8 + 15.622 MeV [-4.355 MeV] (A_Sr:451)
87Sr38 + 2 D* --> 78Se34 + 13C6 + 15.292 MeV [-4.685 MeV] (A_Sr:452)
87Sr38 + 2 D* --> 81Br35 + 10B5 + 7.315 MeV [-12.662 MeV] (A_Sr:453)
87Sr38 + 2 D* --> 82Kr36 + 9Be4 + 10.633 MeV [-9.344 MeV] (A_Sr:454)
87Sr38 + 2 D* --> 85Rb37 + 6Li3 + 9.472 MeV [-10.506 MeV] (A_Sr:455)
87Sr38 + 2 D* --> 87Sr38 + 4He2 + 23.847 MeV [3.869 MeV] (A_Sr:456)
87Sr38 + 2 D* --> 88Sr38 + 3He2 + 14.382 MeV [-5.596 MeV] (A_Sr:457)

87Sr38 + 2 D* --> 89Y39 + 2H1 + 15.957 MeV [-4.020 MeV] (A_Sr:458)
87Sr38 + 2 D* --> 91Zr40 + 29.281 MeV [9.304 MeV] (A_Sr:459)

87Sr38 + 3 D* --> 48Ca20 + 45Sc21 + 39.809 MeV [9.297 MeV] (A_Sr:460)
87Sr38 + 3 D* --> 70Zn30 + 23Na11 + 33.621 MeV [3.109 MeV] (A_Sr:461)
87Sr38 + 3 D* --> 71Ga31 + 22Ne10 + 32.692 MeV [2.180 MeV] (A_Sr:462)
87Sr38 + 3 D* --> 74Ge32 + 19F9 + 29.437 MeV [-1.076 MeV] (A_Sr:463)
87Sr38 + 3 D* --> 75As33 + 18O8 + 28.341 MeV [-2.171 MeV] (A_Sr:464)
87Sr38 + 3 D* --> 78Se34 + 15N7 + 31.451 MeV [00.939 MeV] (A_Sr:465)
87Sr38 + 3 D* --> 81Br35 + 12C6 + 32.502 MeV [1.989 MeV] (A_Sr:466)
87Sr38 + 3 D* --> 82Kr36 + 11B5 + 26.448 MeV [-4.064 MeV] (A_Sr:467)
87Sr38 + 3 D* --> 83Kr36 + 10B5 + 22.458 MeV [-8.054 MeV] (A_Sr:468)
87Sr38 + 3 D* --> 86Sr38 + 7Li3 + 24.142 MeV [-6.370 MeV] (A_Sr:469)
87Sr38 + 3 D* --> 87Sr38 + 6Li3 + 25.320 MeV [-5.192 MeV] (A_Sr:470)
87Sr38 + 3 D* --> 89Y39 + 4He2 + 39.804 MeV [9.291 MeV] (A_Sr:471)
87Sr38 + 3 D* --> 91Zr40 + 2H1 + 29.281 MeV [-1.231 MeV] (A_Sr:472)
87Sr38 + 3 D* --> 92Zr40 + 1H1 + 35.692 MeV [5.180 MeV] (A_Sr:473)
87Sr38 + 3 D* --> 93Nb41 + 41.735 MeV [11.223 MeV] (A_Sr:474)

87Sr38 + 4 D* --> 48Ca20 + 47Ti22 + 56.809 MeV [15.404 MeV] (A_Sr:475)
87Sr38 + 4 D* --> 49Ti22 + 46Ca20 + 59.356 MeV [17.951 MeV] (A_Sr:476)
87Sr38 + 4 D* --> 70Zn30 + 25Mg12 + 50.420 MeV [9.015 MeV] (A_Sr:477)
87Sr38 + 4 D* --> 73Ge32 + 22Ne10 + 46.985 MeV [5.580 MeV] (A_Sr:478)
87Sr38 + 4 D* --> 74Ge32 + 21Ne10 + 46.817 MeV [5.411 MeV] (A_Sr:479)
87Sr38 + 4 D* --> 77Se34 + 18O8 + 43.044 MeV [1.638 MeV] (A_Sr:480)
87Sr38 + 4 D* --> 78Se34 + 17O8 + 45.497 MeV [4.092 MeV] (A_Sr:481)
87Sr38 + 4 D* --> 81Br35 + 14N7 + 42.774 MeV [1.369 MeV] (A_Sr:482)
87Sr38 + 4 D* --> 82Kr36 + 13C6 + 45.127 MeV [3.722 MeV] (A_Sr:483)
87Sr38 + 4 D* --> 83Kr36 + 12C6 + 47.644 MeV [6.239 MeV] (A_Sr:484)
87Sr38 + 4 D* --> 85Rb37 + 10B5 + 37.779 MeV [-3.626 MeV] (A_Sr:485)
87Sr38 + 4 D* --> 86Sr38 + 9Be4 + 40.838 MeV [-0.567 MeV] (A_Sr:486)
87Sr38 + 4 D* --> 89Y39 + 6Li3 + 41.277 MeV [-0.128 MeV] (A_Sr:487)
87Sr38 + 4 D* --> 91Zr40 + 4He2 + 53.128 MeV [11.723 MeV] (A_Sr:488)
87Sr38 + 4 D* --> 92Zr40 + 3He2 + 41.185 MeV [-0.220 MeV] (A_Sr:489)
87Sr38 + 4 D* --> 93Nb41 + 2H1 + 41.735 MeV [00.330 MeV] (A_Sr:490)
87Sr38 + 4 D* --> 95Mo42 + 55.370 MeV [13.965 MeV] (A_Sr:491)

87Sr38 + 5 D* --> 51V23 + 46Ca20 + 76.135 MeV [23.483 MeV] (A_Sr:492)
87Sr38 + 5 D* --> 70Zn30 + 27Al13 + 67.560 MeV [14.908 MeV] (A_Sr:493)
87Sr38 + 5 D* --> 71Ga31 + 26Mg12 + 67.153 MeV [14.501 MeV] (A_Sr:494)
87Sr38 + 5 D* --> 74Ge32 + 23Na11 + 63.750 MeV [11.099 MeV] (A_Sr:495)
87Sr38 + 5 D* --> 75As33 + 22Ne10 + 61.855 MeV [9.203 MeV] (A_Sr:496)
87Sr38 + 5 D* --> 78Se34 + 19F9 + 59.312 MeV [6.660 MeV] (A_Sr:497)
87Sr38 + 5 D* --> 79Br35 + 18O8 + 57.648 MeV [4.996 MeV] (A_Sr:498)
87Sr38 + 5 D* --> 81Br35 + 16O8 + 63.510 MeV [10.858 MeV] (A_Sr:499)
87Sr38 + 5 D* --> 82Kr36 + 15N7 + 61.286 MeV [8.634 MeV] (A_Sr:500)
87Sr38 + 5 D* --> 83Kr36 + 14N7 + 57.916 MeV [5.265 MeV] (A_Sr:501)
87Sr38 + 5 D* --> 85Rb37 + 12C6 + 62.966 MeV [10.314 MeV] (A_Sr:502)
87Sr38 + 5 D* --> 86Sr38 + 11B5 + 56.654 MeV [4.002 MeV] (A_Sr:503)
87Sr38 + 5 D* --> 87Sr38 + 10B5 + 53.628 MeV [00.976 MeV] (A_Sr:504)
87Sr38 + 5 D* --> 90Zr40 + 7Li3 + 54.657 MeV [2.005 MeV] (A_Sr:505)
87Sr38 + 5 D* --> 91Zr40 + 6Li3 + 54.602 MeV [1.950 MeV] (A_Sr:506)
87Sr38 + 5 D* --> 93Nb41 + 4He2 + 65.582 MeV [12.930 MeV] (A_Sr:507)
87Sr38 + 5 D* --> 95Mo42 + 2H1 + 55.370 MeV [2.718 MeV] (A_Sr:508)

87Sr38 + 5 D* --> 96Mo42 + 1H1 + 62.300 MeV [9.648 MeV] (A_Sr:509)

87Sr38 + 6 D* --> 50Ti22 + 49Ti22 + 93.919 MeV [29.671 MeV] (A_Sr:510)
87Sr38 + 6 D* --> 53Cr24 + 46Ca20 + 92.354 MeV [28.106 MeV] (A_Sr:511)
87Sr38 + 6 D* --> 70Zn30 + 29Si14 + 85.394 MeV [21.145 MeV] (A_Sr:512)
87Sr38 + 6 D* --> 73Ge32 + 26Mg12 + 81.446 MeV [17.198 MeV] (A_Sr:513)
87Sr38 + 6 D* --> 74Ge32 + 25Mg12 + 80.549 MeV [16.301 MeV] (A_Sr:514)
87Sr38 + 6 D* --> 77Se34 + 22Ne10 + 76.558 MeV [12.310 MeV] (A_Sr:515)
87Sr38 + 6 D* --> 78Se34 + 21Ne10 + 76.692 MeV [12.444 MeV] (A_Sr:516)
87Sr38 + 6 D* --> 82Kr36 + 17O8 + 75.332 MeV [11.084 MeV] (A_Sr:517)
87Sr38 + 6 D* --> 83Kr36 + 16O8 + 78.653 MeV [14.405 MeV] (A_Sr:518)
87Sr38 + 6 D* --> 85Rb37 + 14N7 + 73.238 MeV [8.990 MeV] (A_Sr:519)
87Sr38 + 6 D* --> 86Sr38 + 13C6 + 75.332 MeV [11.084 MeV] (A_Sr:520)
87Sr38 + 6 D* --> 87Sr38 + 12C6 + 78.814 MeV [14.566 MeV] (A_Sr:521)
87Sr38 + 6 D* --> 89Y39 + 10B5 + 69.585 MeV [5.337 MeV] (A_Sr:522)
87Sr38 + 6 D* --> 90Zr40 + 9Be4 + 71.354 MeV [7.105 MeV] (A_Sr:523)
87Sr38 + 6 D* --> 93Nb41 + 6Li3 + 67.055 MeV [2.807 MeV] (A_Sr:524)
87Sr38 + 6 D* --> 95Mo42 + 4He2 + 79.216 MeV [14.968 MeV] (A_Sr:525)
87Sr38 + 6 D* --> 96Mo42 + 3He2 + 67.793 MeV [3.545 MeV] (A_Sr:526)
87Sr38 + 6 D* --> 99Ru44 + 81.551 MeV [17.303 MeV] (A_Sr:527)

87Sr38 + 7 D* --> 51V23 + 50Ti22 + 110.698 MeV [34.508 MeV] (A_Sr:528)
87Sr38 + 7 D* --> 55Mn25 + 46Ca20 + 107.915 MeV [31.726 MeV] (A_Sr:529)
87Sr38 + 7 D* --> 64Ni28 + 37Cl17 + 105.930 MeV [29.741 MeV] (A_Sr:530)
87Sr38 + 7 D* --> 65Cu29 + 36S16 + 104.997 MeV [28.808 MeV] (A_Sr:531)
87Sr38 + 7 D* --> 70Zn30 + 31P15 + 101.075 MeV [24.886 MeV] (A_Sr:532)
87Sr38 + 7 D* --> 71Ga31 + 30Si14 + 101.643 MeV [25.453 MeV] (A_Sr:533)
87Sr38 + 7 D* --> 74Ge32 + 27Al13 + 97.689 MeV [21.499 MeV] (A_Sr:534)
87Sr38 + 7 D* --> 75As33 + 26Mg12 + 96.317 MeV [20.127 MeV] (A_Sr:535)
87Sr38 + 7 D* --> 78Se34 + 23Na11 + 93.626 MeV [17.436 MeV] (A_Sr:536)
87Sr38 + 7 D* --> 79Br35 + 22Ne10 + 91.163 MeV [14.973 MeV] (A_Sr:537)
87Sr38 + 7 D* --> 81Br35 + 20Ne10 + 92.086 MeV [15.897 MeV] (A_Sr:538)
87Sr38 + 7 D* --> 82Kr36 + 19F9 + 89.147 MeV [12.957 MeV] (A_Sr:539)
87Sr38 + 7 D* --> 85Rb37 + 16O8 + 93.974 MeV [17.784 MeV] (A_Sr:540)
87Sr38 + 7 D* --> 86Sr38 + 15N7 + 91.492 MeV [15.302 MeV] (A_Sr:541)
87Sr38 + 7 D* --> 87Sr38 + 14N7 + 89.087 MeV [12.897 MeV] (A_Sr:542)
87Sr38 + 7 D* --> 89Y39 + 12C6 + 94.771 MeV [18.582 MeV] (A_Sr:543)
87Sr38 + 7 D* --> 90Zr40 + 11B5 + 87.169 MeV [10.979 MeV] (A_Sr:544)
87Sr38 + 7 D* --> 91Zr40 + 10B5 + 82.909 MeV [6.720 MeV] (A_Sr:545)
87Sr38 + 7 D* --> 94Mo42 + 7Li3 + 80.571 MeV [4.382 MeV] (A_Sr:546)
87Sr38 + 7 D* --> 95Mo42 + 6Li3 + 80.690 MeV [4.501 MeV] (A_Sr:547)
87Sr38 + 7 D* --> 99Ru44 + 2H1 + 81.551 MeV [5.361 MeV] (A_Sr:548)
87Sr38 + 7 D* --> 100Ru44 + 1H1 + 89.000 MeV [12.810 MeV] (A_Sr:549)

87Sr38 + 8 D* --> 53Cr24 + 50Ti22 + 126.917 MeV [38.444 MeV] (A_Sr:550)
87Sr38 + 8 D* --> 54Cr24 + 49Ti22 + 125.697 MeV [37.224 MeV] (A_Sr:551)
87Sr38 + 8 D* --> 57Fe26 + 46Ca20 + 123.521 MeV [35.048 MeV] (A_Sr:552)
87Sr38 + 8 D* --> 67Zn30 + 36S16 + 118.750 MeV [30.277 MeV] (A_Sr:553)
87Sr38 + 8 D* --> 70Zn30 + 33S16 + 116.356 MeV [27.883 MeV] (A_Sr:554)
87Sr38 + 8 D* --> 73Ge32 + 30Si14 + 115.936 MeV [27.463 MeV] (A_Sr:555)
87Sr38 + 8 D* --> 74Ge32 + 29Si14 + 115.523 MeV [27.050 MeV] (A_Sr:556)
87Sr38 + 8 D* --> 77Se34 + 26Mg12 + 111.020 MeV [22.547 MeV] (A_Sr:557)
87Sr38 + 8 D* --> 78Se34 + 25Mg12 + 110.424 MeV [21.952 MeV] (A_Sr:558)
87Sr38 + 8 D* --> 82Kr36 + 21Ne10 + 106.527 MeV [18.054 MeV] (A_Sr:559)

87Sr38 + 8 D* --> 83Kr36 + 20Ne10 + 107.229 MeV [18.756 MeV] (A_Sr:560)
87Sr38 + 8 D* --> 86Sr38 + 17O8 + 105.538 MeV [17.065 MeV] (A_Sr:561)
87Sr38 + 8 D* --> 87Sr38 + 16O8 + 109.823 MeV [21.350 MeV] (A_Sr:562)
87Sr38 + 8 D* --> 89Y39 + 14N7 + 105.044 MeV [16.571 MeV] (A_Sr:563)
87Sr38 + 8 D* --> 90Zr40 + 13C6 + 105.848 MeV [17.375 MeV] (A_Sr:564)
87Sr38 + 8 D* --> 91Zr40 + 12C6 + 108.096 MeV [19.623 MeV] (A_Sr:565)
87Sr38 + 8 D* --> 93Nb41 + 10B5 + 95.363 MeV [6.890 MeV] (A_Sr:566)
87Sr38 + 8 D* --> 94Mo42 + 9Be4 + 97.267 MeV [8.795 MeV] (A_Sr:567)
87Sr38 + 8 D* --> 99Ru44 + 4He2 + 105.397 MeV [16.925 MeV] (A_Sr:568)
87Sr38 + 8 D* --> 100Ru44 + 3He2 + 94.493 MeV [6.020 MeV] (A_Sr:569)

87Sr38 + 9 D* --> 54Cr24 + 51V23 + 142.475 MeV [41.382 MeV] (A_Sr:570)
87Sr38 + 9 D* --> 55Mn25 + 50Ti22 + 142.478 MeV [41.385 MeV] (A_Sr:571)
87Sr38 + 9 D* --> 59Co27 + 46Ca20 + 138.705 MeV [37.611 MeV] (A_Sr:572)
87Sr38 + 9 D* --> 64Ni28 + 41K19 + 135.999 MeV [34.906 MeV] (A_Sr:573)
87Sr38 + 9 D* --> 65Cu29 + 40Ar18 + 135.645 MeV [34.551 MeV] (A_Sr:574)
87Sr38 + 9 D* --> 68Zn30 + 37Cl17 + 135.110 MeV [34.016 MeV] (A_Sr:575)
87Sr38 + 9 D* --> 70Zn30 + 35Cl17 + 131.919 MeV [30.826 MeV] (A_Sr:576)
87Sr38 + 9 D* --> 69Ga31 + 36S16 + 133.333 MeV [32.239 MeV] (A_Sr:577)
87Sr38 + 9 D* --> 71Ga31 + 34S16 + 133.413 MeV [32.320 MeV] (A_Sr:578)
87Sr38 + 9 D* --> 74Ge32 + 31P15 + 131.204 MeV [30.111 MeV] (A_Sr:579)
87Sr38 + 9 D* --> 75As33 + 30Si14 + 130.806 MeV [29.713 MeV] (A_Sr:580)
87Sr38 + 9 D* --> 78Se34 + 27Al13 + 127.564 MeV [26.470 MeV] (A_Sr:581)
87Sr38 + 9 D* --> 79Br35 + 26Mg12 + 125.624 MeV [24.531 MeV] (A_Sr:582)
87Sr38 + 9 D* --> 81Br35 + 24Mg12 + 125.249 MeV [24.156 MeV] (A_Sr:583)
87Sr38 + 9 D* --> 82Kr36 + 23Na11 + 123.460 MeV [22.367 MeV] (A_Sr:584)
87Sr38 + 9 D* --> 85Rb37 + 20Ne10 + 122.550 MeV [21.457 MeV] (A_Sr:585)
87Sr38 + 9 D* --> 86Sr38 + 19F9 + 119.352 MeV [18.259 MeV] (A_Sr:586)
87Sr38 + 9 D* --> 89Y39 + 16O8 + 125.780 MeV [24.686 MeV] (A_Sr:587)
87Sr38 + 9 D* --> 90Zr40 + 15N7 + 122.007 MeV [20.913 MeV] (A_Sr:588)
87Sr38 + 9 D* --> 91Zr40 + 14N7 + 118.368 MeV [17.275 MeV] (A_Sr:589)
87Sr38 + 9 D* --> 93Nb41 + 12C6 + 120.549 MeV [19.456 MeV] (A_Sr:590)
87Sr38 + 9 D* --> 94Mo42 + 11B5 + 113.083 MeV [11.989 MeV] (A_Sr:591)
87Sr38 + 9 D* --> 95Mo42 + 10B5 + 108.998 MeV [7.904 MeV] (A_Sr:592)
87Sr38 + 9 D* --> 98Ru44 + 7Li3 + 106.657 MeV [5.564 MeV] (A_Sr:593)
87Sr38 + 9 D* --> 99Ru44 + 6Li3 + 106.871 MeV [5.778 MeV] (A_Sr:594)
87Sr38 + 9 D* --> 104Pd46 + 1H1 + 115.442 MeV [14.349 MeV] (A_Sr:595)

87Sr38 + 10 D* --> 54Cr24 + 53Cr24 + 158.694 MeV [44.646 MeV] (A_Sr:596)
87Sr38 + 10 D* --> 57Fe26 + 50Ti22 + 158.084 MeV [44.035 MeV] (A_Sr:597)
87Sr38 + 10 D* --> 58Fe26 + 49Ti22 + 157.189 MeV [43.141 MeV] (A_Sr:598)
87Sr38 + 10 D* --> 61Ni28 + 46Ca20 + 153.833 MeV [39.784 MeV] (A_Sr:599)
87Sr38 + 10 D* --> 64Ni28 + 43Ca20 + 151.985 MeV [37.936 MeV] (A_Sr:600)
87Sr38 + 10 D* --> 67Zn30 + 40Ar18 + 149.397 MeV [35.349 MeV] (A_Sr:601)
87Sr38 + 10 D* --> 73Ge32 + 34S16 + 147.706 MeV [33.658 MeV] (A_Sr:602)
87Sr38 + 10 D* --> 74Ge32 + 33S16 + 146.485 MeV [32.437 MeV] (A_Sr:603)
87Sr38 + 10 D* --> 77Se34 + 30Si14 + 145.509 MeV [31.461 MeV] (A_Sr:604)
87Sr38 + 10 D* --> 78Se34 + 29Si14 + 145.398 MeV [31.350 MeV] (A_Sr:605)
87Sr38 + 10 D* --> 82Kr36 + 25Mg12 + 140.259 MeV [26.211 MeV] (A_Sr:606)
87Sr38 + 10 D* --> 83Kr36 + 24Mg12 + 140.392 MeV [26.344 MeV] (A_Sr:607)
87Sr38 + 10 D* --> 86Sr38 + 21Ne10 + 136.732 MeV [22.684 MeV] (A_Sr:608)
87Sr38 + 10 D* --> 87Sr38 + 20Ne10 + 138.399 MeV [24.351 MeV] (A_Sr:609)
87Sr38 + 10 D* --> 90Zr40 + 17O8 + 136.053 MeV [22.005 MeV] (A_Sr:610)
87Sr38 + 10 D* --> 91Zr40 + 16O8 + 139.104 MeV [25.056 MeV] (A_Sr:611)

87Sr38 + 10 D* --> 93Nb41 + 14N7 + 130.822 MeV [16.773 MeV] (A_Sr:612)
87Sr38 + 10 D* --> 94Mo42 + 13C6 + 131.762 MeV [17.713 MeV] (A_Sr:613)
87Sr38 + 10 D* --> 95Mo42 + 12C6 + 134.184 MeV [20.136 MeV] (A_Sr:614)
87Sr38 + 10 D* --> 98Ru44 + 9Be4 + 123.354 MeV [9.305 MeV] (A_Sr:615)
87Sr38 + 10 D* --> 104Pd46 + 3He2 + 120.936 MeV [6.887 MeV] (A_Sr:616)

87Sr38 + 11 D* --> 55Mn25 + 54Cr24 + 174.256 MeV [46.922 MeV] (A_Sr:617)
87Sr38 + 11 D* --> 58Fe26 + 51V23 + 173.967 MeV [46.633 MeV] (A_Sr:618)
87Sr38 + 11 D* --> 59Co27 + 50Ti22 + 173.268 MeV [45.934 MeV] (A_Sr:619)
87Sr38 + 11 D* --> 64Ni28 + 45Sc21 + 167.780 MeV [40.446 MeV] (A_Sr:620)
87Sr38 + 11 D* --> 63Cu29 + 46Ca20 + 168.327 MeV [40.993 MeV] (A_Sr:621)
87Sr38 + 11 D* --> 65Cu29 + 44Ca20 + 168.345 MeV [41.011 MeV] (A_Sr:622)
87Sr38 + 11 D* --> 68Zn30 + 41K19 + 165.179 MeV [37.845 MeV] (A_Sr:623)
87Sr38 + 11 D* --> 70Zn30 + 39K19 + 162.984 MeV [35.650 MeV] (A_Sr:624)
87Sr38 + 11 D* --> 69Ga31 + 40Ar18 + 163.980 MeV [36.646 MeV] (A_Sr:625)
87Sr38 + 11 D* --> 71Ga31 + 38Ar18 + 164.467 MeV [37.133 MeV] (A_Sr:626)
87Sr38 + 11 D* --> 72Ge32 + 37Cl17 + 163.960 MeV [36.626 MeV] (A_Sr:627)
87Sr38 + 11 D* --> 74Ge32 + 35Cl17 + 162.049 MeV [34.715 MeV] (A_Sr:628)
87Sr38 + 11 D* --> 75As33 + 34S16 + 162.577 MeV [35.243 MeV] (A_Sr:629)
87Sr38 + 11 D* --> 78Se34 + 31P15 + 161.080 MeV [33.746 MeV] (A_Sr:630)
87Sr38 + 11 D* --> 79Br35 + 30Si14 + 160.114 MeV [32.780 MeV] (A_Sr:631)
87Sr38 + 11 D* --> 81Br35 + 28Si14 + 159.080 MeV [31.746 MeV] (A_Sr:632)
87Sr38 + 11 D* --> 82Kr36 + 27Al13 + 157.399 MeV [30.065 MeV] (A_Sr:633)
87Sr38 + 11 D* --> 85Rb37 + 24Mg12 + 155.713 MeV [28.379 MeV] (A_Sr:634)
87Sr38 + 11 D* --> 86Sr38 + 23Na11 + 153.666 MeV [26.332 MeV] (A_Sr:635)
87Sr38 + 11 D* --> 89Y39 + 20Ne10 + 154.356 MeV [27.022 MeV] (A_Sr:636)
87Sr38 + 11 D* --> 90Zr40 + 19F9 + 149.867 MeV [22.533 MeV] (A_Sr:637)
87Sr38 + 11 D* --> 93Nb41 + 16O8 + 151.558 MeV [24.224 MeV] (A_Sr:638)
87Sr38 + 11 D* --> 94Mo42 + 15N7 + 147.921 MeV [20.587 MeV] (A_Sr:639)
87Sr38 + 11 D* --> 95Mo42 + 14N7 + 144.457 MeV [17.123 MeV] (A_Sr:640)
87Sr38 + 11 D* --> 98Ru44 + 11B5 + 139.169 MeV [11.835 MeV] (A_Sr:641)
87Sr38 + 11 D* --> 99Ru44 + 10B5 + 135.179 MeV [7.845 MeV] (A_Sr:642)
87Sr38 + 11 D* --> 102Pd46 + 7Li3 + 132.629 MeV [5.296 MeV] (A_Sr:643)
87Sr38 + 11 D* --> 108Cd48 + 1H1 + 141.576 MeV [14.242 MeV] (A_Sr:644)

87Sr38 + 12 D* --> 57Fe26 + 54Cr24 + 189.861 MeV [48.914 MeV] (A_Sr:645)
87Sr38 + 12 D* --> 58Fe26 + 53Cr24 + 190.186 MeV [49.240 MeV] (A_Sr:646)
87Sr38 + 12 D* --> 61Ni28 + 50Ti22 + 188.396 MeV [47.449 MeV] (A_Sr:647)
87Sr38 + 12 D* --> 62Ni28 + 49Ti22 + 188.053 MeV [47.106 MeV] (A_Sr:648)
87Sr38 + 12 D* --> 64Ni28 + 47Ti22 + 184.780 MeV [43.833 MeV] (A_Sr:649)
87Sr38 + 12 D* --> 67Zn30 + 44Ca20 + 182.097 MeV [41.150 MeV] (A_Sr:650)
87Sr38 + 12 D* --> 68Zn30 + 43Ca20 + 181.164 MeV [40.217 MeV] (A_Sr:651)
87Sr38 + 12 D* --> 71Ga31 + 40K19 + 176.424 MeV [35.477 MeV] (A_Sr:652)
87Sr38 + 12 D* --> 73Ge32 + 38Ar18 + 178.760 MeV [37.813 MeV] (A_Sr:653)
87Sr38 + 12 D* --> 77Se34 + 34S16 + 177.280 MeV [36.333 MeV] (A_Sr:654)
87Sr38 + 12 D* --> 78Se34 + 33S16 + 176.360 MeV [35.413 MeV] (A_Sr:655)
87Sr38 + 12 D* --> 82Kr36 + 29Si14 + 175.233 MeV [34.286 MeV] (A_Sr:656)
87Sr38 + 12 D* --> 83Kr36 + 28Si14 + 174.223 MeV [33.276 MeV] (A_Sr:657)
87Sr38 + 12 D* --> 86Sr38 + 25Mg12 + 170.465 MeV [29.518 MeV] (A_Sr:658)
87Sr38 + 12 D* --> 87Sr38 + 24Mg12 + 171.562 MeV [30.615 MeV] (A_Sr:659)
87Sr38 + 12 D* --> 90Zr40 + 21Ne10 + 167.247 MeV [26.300 MeV] (A_Sr:660)
87Sr38 + 12 D* --> 91Zr40 + 20Ne10 + 167.681 MeV [26.734 MeV] (A_Sr:661)
87Sr38 + 12 D* --> 94Mo42 + 17O8 + 161.967 MeV [21.020 MeV] (A_Sr:662)
87Sr38 + 12 D* --> 95Mo42 + 16O8 + 165.193 MeV [24.246 MeV] (A_Sr:663)

87Sr38 + 12 D* --> 98Ru44 + 13C6 + 157.848 MeV [16.901 MeV] (A_Sr:664)
87Sr38 + 12 D* --> 99Ru44 + 12C6 + 160.365 MeV [19.418 MeV] (A_Sr:665)
87Sr38 + 12 D* --> 102Pd46 + 9Be4 + 149.326 MeV [8.379 MeV] (A_Sr:666)
87Sr38 + 12 D* --> 108Cd48 + 3He2 + 147.069 MeV [6.122 MeV] (A_Sr:667)

88Sr38 + 2 D* --> 46Ca20 + 46Ca20 + 24.620 MeV [4.715 MeV] (A_Sr:668)
88Sr38 + 2 D* --> 48Ca20 + 44Ca20 + 24.032 MeV [4.128 MeV] (A_Sr:669)
88Sr38 + 2 D* --> 70Zn30 + 22Ne10 + 15.939 MeV [-3.965 MeV] (A_Sr:670)
88Sr38 + 2 D* --> 74Ge32 + 18O8 + 12.554 MeV [-7.351 MeV] (A_Sr:671)
88Sr38 + 2 D* --> 76Ge32 + 16O8 + 16.300 MeV [-3.605 MeV] (A_Sr:672)
88Sr38 + 2 D* --> 80Se34 + 12C6 + 16.110 MeV [-3.795 MeV] (A_Sr:673)
88Sr38 + 2 D* --> 81Br35 + 11B5 + 7.657 MeV [-12.248 MeV] (A_Sr:674)
88Sr38 + 2 D* --> 83Kr36 + 9Be4 + 6.984 MeV [-12.921 MeV] (A_Sr:675)
88Sr38 + 2 D* --> 85Rb37 + 7Li3 + 5.609 MeV [-14.296 MeV] (A_Sr:676)
88Sr38 + 2 D* --> 88Sr38 + 4He2 + 23.847 MeV [3.942 MeV] (A_Sr:677)
88Sr38 + 2 D* --> 92Zr40 + 26.804 MeV [6.899 MeV] (A_Sr:678)

88Sr38 + 3 D* --> 80Se34 + 14N7 + 26.382 MeV [-4.022 MeV] (A_Sr:679)
88Sr38 + 3 D* --> 81Br35 + 13C6 + 26.335 MeV [-4.068 MeV] (A_Sr:680)
88Sr38 + 3 D* --> 83Kr36 + 11B5 + 22.799 MeV [-7.604 MeV] (A_Sr:681)
88Sr38 + 3 D* --> 84Kr36 + 10B5 + 21.866 MeV [-8.538 MeV] (A_Sr:682)
88Sr38 + 3 D* --> 85Rb37 + 9Be4 + 22.305 MeV [-8.098 MeV] (A_Sr:683)
88Sr38 + 3 D* --> 87Sr38 + 7Li3 + 21.458 MeV [-8.946 MeV] (A_Sr:684)
88Sr38 + 3 D* --> 88Sr38 + 6Li3 + 25.320 MeV [-5.083 MeV] (A_Sr:685)
88Sr38 + 3 D* --> 92Zr40 + 2H1 + 26.804 MeV [-3.600 MeV] (A_Sr:686)

88Sr38 + 4 D* --> 48Ca20 + 48Ti22 + 57.323 MeV [16.062 MeV] (A_Sr:687)
88Sr38 + 4 D* --> 48Ti22 + 48Ca20 + 57.323 MeV [16.062 MeV] (A_Sr:688)
88Sr38 + 4 D* --> 50Ti22 + 46Ca20 + 59.183 MeV [17.922 MeV] (A_Sr:689)
88Sr38 + 4 D* --> 70Zn30 + 26Mg12 + 50.400 MeV [9.139 MeV] (A_Sr:690)
88Sr38 + 4 D* --> 74Ge32 + 22Ne10 + 46.068 MeV [4.807 MeV] (A_Sr:691)
88Sr38 + 4 D* --> 76Ge32 + 20Ne10 + 44.876 MeV [3.615 MeV] (A_Sr:692)
88Sr38 + 4 D* --> 78Se34 + 18O8 + 42.429 MeV [1.168 MeV] (A_Sr:693)
88Sr38 + 4 D* --> 80Se34 + 16O8 + 47.118 MeV [5.857 MeV] (A_Sr:694)
88Sr38 + 4 D* --> 81Br35 + 15N7 + 42.495 MeV [1.234 MeV] (A_Sr:695)
88Sr38 + 4 D* --> 83Kr36 + 13C6 + 41.478 MeV [00.217 MeV] (A_Sr:696)
88Sr38 + 4 D* --> 84Kr36 + 12C6 + 47.052 MeV [5.791 MeV] (A_Sr:697)
88Sr38 + 4 D* --> 85Rb37 + 11B5 + 38.121 MeV [-3.140 MeV] (A_Sr:698)
88Sr38 + 4 D* --> 87Sr38 + 9Be4 + 38.154 MeV [-3.107 MeV] (A_Sr:699)
88Sr38 + 4 D* --> 89Y39 + 7Li3 + 37.415 MeV [-3.846 MeV] (A_Sr:700)
88Sr38 + 4 D* --> 92Zr40 + 4He2 + 50.650 MeV [9.389 MeV] (A_Sr:701)
88Sr38 + 4 D* --> 96Mo42 + 53.412 MeV [12.151 MeV] (A_Sr:702)

88Sr38 + 5 D* --> 50V23 + 48Ca20 + 71.193 MeV [18.720 MeV] (A_Sr:703)
88Sr38 + 5 D* --> 81Br35 + 17O8 + 56.541 MeV [4.068 MeV] (A_Sr:704)
88Sr38 + 5 D* --> 83Kr36 + 15N7 + 57.637 MeV [5.165 MeV] (A_Sr:705)
88Sr38 + 5 D* --> 84Kr36 + 14N7 + 57.324 MeV [4.852 MeV] (A_Sr:706)
88Sr38 + 5 D* --> 85Rb37 + 13C6 + 56.799 MeV [4.327 MeV] (A_Sr:707)
88Sr38 + 5 D* --> 87Sr38 + 11B5 + 53.969 MeV [1.497 MeV] (A_Sr:708)
88Sr38 + 5 D* --> 88Sr38 + 10B5 + 53.628 MeV [1.156 MeV] (A_Sr:709)
88Sr38 + 5 D* --> 89Y39 + 9Be4 + 54.111 MeV [1.639 MeV] (A_Sr:710)
88Sr38 + 5 D* --> 91Zr40 + 7Li3 + 50.739 MeV [-1.733 MeV] (A_Sr:711)
88Sr38 + 5 D* --> 92Zr40 + 6Li3 + 52.124 MeV [-0.348 MeV] (A_Sr:712)

88Sr38 + 5 D* --> 96Mo42 + 2H1 + 53.412 MeV [00.939 MeV] (A_Sr:713)
88Sr38 + 5 D* --> 97Mo42 + 1H1 + 58.008 MeV [5.536 MeV] (A_Sr:714)

88Sr38 + 6 D* --> 50Ti22 + 50Ti22 + 93.746 MeV [29.713 MeV] (A_Sr:715)
88Sr38 + 6 D* --> 52Cr24 + 48Ca20 + 90.524 MeV [26.490 MeV] (A_Sr:716)
88Sr38 + 6 D* --> 54Cr24 + 46Ca20 + 90.960 MeV [26.927 MeV] (A_Sr:717)
88Sr38 + 6 D* --> 64Ni28 + 36S16 + 88.656 MeV [24.623 MeV] (A_Sr:718)
88Sr38 + 6 D* --> 70Zn30 + 30Si14 + 84.890 MeV [20.857 MeV] (A_Sr:719)
88Sr38 + 6 D* --> 74Ge32 + 26Mg12 + 80.530 MeV [16.496 MeV] (A_Sr:720)
88Sr38 + 6 D* --> 76Ge32 + 24Mg12 + 78.039 MeV [14.006 MeV] (A_Sr:721)
88Sr38 + 6 D* --> 78Se34 + 22Ne10 + 75.943 MeV [11.910 MeV] (A_Sr:722)
88Sr38 + 6 D* --> 80Se34 + 20Ne10 + 75.694 MeV [11.661 MeV] (A_Sr:723)
88Sr38 + 6 D* --> 81Br35 + 19F9 + 70.355 MeV [6.322 MeV] (A_Sr:724)
88Sr38 + 6 D* --> 82Kr36 + 18O8 + 72.264 MeV [8.230 MeV] (A_Sr:725)
88Sr38 + 6 D* --> 83Kr36 + 17O8 + 71.683 MeV [7.650 MeV] (A_Sr:726)
88Sr38 + 6 D* --> 84Kr36 + 16O8 + 78.061 MeV [14.027 MeV] (A_Sr:727)
88Sr38 + 6 D* --> 85Rb37 + 15N7 + 72.958 MeV [8.925 MeV] (A_Sr:728)
88Sr38 + 6 D* --> 87Sr38 + 13C6 + 72.648 MeV [8.615 MeV] (A_Sr:729)
88Sr38 + 6 D* --> 88Sr38 + 12C6 + 78.814 MeV [14.781 MeV] (A_Sr:730)
88Sr38 + 6 D* --> 89Y39 + 11B5 + 69.926 MeV [5.893 MeV] (A_Sr:731)
88Sr38 + 6 D* --> 91Zr40 + 9Be4 + 67.435 MeV [3.402 MeV] (A_Sr:732)
88Sr38 + 6 D* --> 93Nb41 + 7Li3 + 63.193 MeV [-0.841 MeV] (A_Sr:733)
88Sr38 + 6 D* --> 96Mo42 + 4He2 + 77.258 MeV [13.225 MeV] (A_Sr:734)
88Sr38 + 6 D* --> 97Mo42 + 3He2 + 63.502 MeV [-0.531 MeV] (A_Sr:735)
88Sr38 + 6 D* --> 100Ru44 + 80.112 MeV [16.078 MeV] (A_Sr:736)

88Sr38 + 7 D* --> 81Br35 + 21Ne10 + 87.735 MeV [11.795 MeV] (A_Sr:737)
88Sr38 + 7 D* --> 83Kr36 + 19F9 + 85.497 MeV [9.558 MeV] (A_Sr:738)
88Sr38 + 7 D* --> 85Rb37 + 17O8 + 87.004 MeV [11.065 MeV] (A_Sr:739)
88Sr38 + 7 D* --> 87Sr38 + 15N7 + 88.807 MeV [12.867 MeV] (A_Sr:740)
88Sr38 + 7 D* --> 88Sr38 + 14N7 + 89.087 MeV [13.147 MeV] (A_Sr:741)
88Sr38 + 7 D* --> 89Y39 + 13C6 + 88.605 MeV [12.665 MeV] (A_Sr:742)
88Sr38 + 7 D* --> 91Zr40 + 11B5 + 83.251 MeV [7.311 MeV] (A_Sr:743)
88Sr38 + 7 D* --> 92Zr40 + 10B5 + 80.431 MeV [4.492 MeV] (A_Sr:744)
88Sr38 + 7 D* --> 93Nb41 + 9Be4 + 79.889 MeV [3.949 MeV] (A_Sr:745)
88Sr38 + 7 D* --> 95Mo42 + 7Li3 + 76.828 MeV [00.888 MeV] (A_Sr:746)
88Sr38 + 7 D* --> 96Mo42 + 6Li3 + 78.732 MeV [2.792 MeV] (A_Sr:747)
88Sr38 + 7 D* --> 100Ru44 + 2H1 + 80.112 MeV [4.172 MeV] (A_Sr:748)
88Sr38 + 7 D* --> 101Ru44 + 1H1 + 84.689 MeV [8.749 MeV] (A_Sr:749)

88Sr38 + 8 D* --> 54Cr24 + 50Ti22 + 125.523 MeV [37.335 MeV] (A_Sr:750)
88Sr38 + 8 D* --> 56Fe26 + 48Ca20 + 121.984 MeV [33.795 MeV] (A_Sr:751)
88Sr38 + 8 D* --> 58Fe26 + 46Ca20 + 122.453 MeV [34.264 MeV] (A_Sr:752)
88Sr38 + 8 D* --> 64Ni28 + 40Ar18 + 119.303 MeV [31.115 MeV] (A_Sr:753)
88Sr38 + 8 D* --> 68Zn30 + 36S16 + 117.835 MeV [29.647 MeV] (A_Sr:754)
88Sr38 + 8 D* --> 70Zn30 + 34S16 + 116.660 MeV [28.472 MeV] (A_Sr:755)
88Sr38 + 8 D* --> 74Ge32 + 30Si14 + 115.019 MeV [26.831 MeV] (A_Sr:756)
88Sr38 + 8 D* --> 76Ge32 + 28Si14 + 111.870 MeV [23.682 MeV] (A_Sr:757)
88Sr38 + 8 D* --> 78Se34 + 26Mg12 + 110.405 MeV [22.216 MeV] (A_Sr:758)
88Sr38 + 8 D* --> 80Se34 + 24Mg12 + 108.858 MeV [20.669 MeV] (A_Sr:759)
88Sr38 + 8 D* --> 81Br35 + 23Na11 + 104.669 MeV [16.481 MeV] (A_Sr:760)
88Sr38 + 8 D* --> 82Kr36 + 22Ne10 + 105.778 MeV [17.590 MeV] (A_Sr:761)
88Sr38 + 8 D* --> 83Kr36 + 21Ne10 + 102.878 MeV [14.689 MeV] (A_Sr:762)
88Sr38 + 8 D* --> 84Kr36 + 20Ne10 + 106.637 MeV [18.449 MeV] (A_Sr:763)

88Sr38 + 8 D* --> 85Rb37 + 19F9 + 100.819 MeV [12.631 MeV] (A_Sr:764)
88Sr38 + 8 D* --> 86Sr38 + 18O8 + 102.469 MeV [14.281 MeV] (A_Sr:765)
88Sr38 + 8 D* --> 87Sr38 + 17O8 + 102.853 MeV [14.665 MeV] (A_Sr:766)
88Sr38 + 8 D* --> 88Sr38 + 16O8 + 109.823 MeV [21.635 MeV] (A_Sr:767)
88Sr38 + 8 D* --> 89Y39 + 15N7 + 104.764 MeV [16.576 MeV] (A_Sr:768)
88Sr38 + 8 D* --> 91Zr40 + 13C6 + 101.929 MeV [13.741 MeV] (A_Sr:769)
88Sr38 + 8 D* --> 92Zr40 + 12C6 + 105.618 MeV [17.430 MeV] (A_Sr:770)
88Sr38 + 8 D* --> 93Nb41 + 11B5 + 95.704 MeV [7.516 MeV] (A_Sr:771)
88Sr38 + 8 D* --> 95Mo42 + 9Be4 + 93.524 MeV [5.336 MeV] (A_Sr:772)
88Sr38 + 8 D* --> 100Ru44 + 4He2 + 103.958 MeV [15.770 MeV] (A_Sr:773)
88Sr38 + 8 D* --> 101Ru44 + 3He2 + 90.183 MeV [1.994 MeV] (A_Sr:774)
88Sr38 + 8 D* --> 103Rh45 + 1H1 + 97.897 MeV [9.709 MeV] (A_Sr:775)
88Sr38 + 8 D* --> 104Pd46 + 106.554 MeV [18.366 MeV] (A_Sr:776)

88Sr38 + 9 D* --> 81Br35 + 25Mg12 + 121.467 MeV [20.693 MeV] (A_Sr:777)
88Sr38 + 9 D* --> 83Kr36 + 23Na11 + 119.811 MeV [19.037 MeV] (A_Sr:778)
88Sr38 + 9 D* --> 85Rb37 + 21Ne10 + 118.199 MeV [17.424 MeV] (A_Sr:779)
88Sr38 + 9 D* --> 87Sr38 + 19F9 + 116.668 MeV [15.893 MeV] (A_Sr:780)
88Sr38 + 9 D* --> 89Y39 + 17O8 + 118.810 MeV [18.036 MeV] (A_Sr:781)
88Sr38 + 9 D* --> 91Zr40 + 15N7 + 118.089 MeV [17.314 MeV] (A_Sr:782)
88Sr38 + 9 D* --> 92Zr40 + 14N7 + 115.890 MeV [15.116 MeV] (A_Sr:783)
88Sr38 + 9 D* --> 93Nb41 + 13C6 + 114.383 MeV [13.608 MeV] (A_Sr:784)
88Sr38 + 9 D* --> 95Mo42 + 11B5 + 109.339 MeV [8.565 MeV] (A_Sr:785)
88Sr38 + 9 D* --> 96Mo42 + 10B5 + 107.040 MeV [6.265 MeV] (A_Sr:786)
88Sr38 + 9 D* --> 99Ru44 + 7Li3 + 103.009 MeV [2.234 MeV] (A_Sr:787)
88Sr38 + 9 D* --> 100Ru44 + 6Li3 + 105.432 MeV [4.657 MeV] (A_Sr:788)
88Sr38 + 9 D* --> 103Rh45 + 3He2 + 103.391 MeV [2.616 MeV] (A_Sr:789)
88Sr38 + 9 D* --> 104Pd46 + 2H1 + 106.554 MeV [5.780 MeV] (A_Sr:790)
88Sr38 + 9 D* --> 105Pd46 + 1H1 + 111.424 MeV [10.649 MeV] (A_Sr:791)

88Sr38 + 10 D* --> 54Cr24 + 54Cr24 + 157.301 MeV [43.605 MeV] (A_Sr:792)
88Sr38 + 10 D* --> 58Fe26 + 50Ti22 + 157.016 MeV [43.320 MeV] (A_Sr:793)
88Sr38 + 10 D* --> 60Ni28 + 48Ca20 + 152.122 MeV [38.426 MeV] (A_Sr:794)
88Sr38 + 10 D* --> 62Ni28 + 46Ca20 + 153.317 MeV [39.621 MeV] (A_Sr:795)
88Sr38 + 10 D* --> 64Ni28 + 44Ca20 + 152.003 MeV [38.308 MeV] (A_Sr:796)
88Sr38 + 10 D* --> 68Zn30 + 40Ar18 + 148.483 MeV [34.787 MeV] (A_Sr:797)
88Sr38 + 10 D* --> 70Zn30 + 38Ar18 + 147.715 MeV [34.019 MeV] (A_Sr:798)
88Sr38 + 10 D* --> 71Ga31 + 37Cl17 + 145.337 MeV [31.642 MeV] (A_Sr:799)
88Sr38 + 10 D* --> 72Ge32 + 36S16 + 146.685 MeV [32.990 MeV] (A_Sr:800)
88Sr38 + 10 D* --> 74Ge32 + 34S16 + 146.790 MeV [33.094 MeV] (A_Sr:801)
88Sr38 + 10 D* --> 76Ge32 + 32S16 + 142.664 MeV [28.969 MeV] (A_Sr:802)
88Sr38 + 10 D* --> 78Se34 + 30Si14 + 144.894 MeV [31.199 MeV] (A_Sr:803)
88Sr38 + 10 D* --> 80Se34 + 28Si14 + 142.688 MeV [28.993 MeV] (A_Sr:804)
88Sr38 + 10 D* --> 81Br35 + 27Al13 + 138.607 MeV [24.912 MeV] (A_Sr:805)
88Sr38 + 10 D* --> 82Kr36 + 26Mg12 + 140.240 MeV [26.544 MeV] (A_Sr:806)
88Sr38 + 10 D* --> 83Kr36 + 25Mg12 + 136.610 MeV [22.915 MeV] (A_Sr:807)
88Sr38 + 10 D* --> 84Kr36 + 24Mg12 + 139.800 MeV [26.105 MeV] (A_Sr:808)
88Sr38 + 10 D* --> 85Rb37 + 23Na11 + 135.133 MeV [21.437 MeV] (A_Sr:809)
88Sr38 + 10 D* --> 86Sr38 + 22Ne10 + 135.984 MeV [22.288 MeV] (A_Sr:810)
88Sr38 + 10 D* --> 87Sr38 + 21Ne10 + 134.048 MeV [20.352 MeV] (A_Sr:811)
88Sr38 + 10 D* --> 88Sr38 + 20Ne10 + 138.399 MeV [24.704 MeV] (A_Sr:812)
88Sr38 + 10 D* --> 89Y39 + 19F9 + 132.625 MeV [18.929 MeV] (A_Sr:813)
88Sr38 + 10 D* --> 90Zr40 + 18O8 + 132.984 MeV [19.289 MeV] (A_Sr:814)
88Sr38 + 10 D* --> 91Zr40 + 17O8 + 132.135 MeV [18.439 MeV] (A_Sr:815)

88Sr38 + 10 D* --> 92Zr40 + 16O8 + 136.626 MeV [22.931 MeV] (A_Sr:816)
88Sr38 + 10 D* --> 93Nb41 + 15N7 + 130.542 MeV [16.847 MeV] (A_Sr:817)
88Sr38 + 10 D* --> 95Mo42 + 13C6 + 128.018 MeV [14.323 MeV] (A_Sr:818)
88Sr38 + 10 D* --> 96Mo42 + 12C6 + 132.226 MeV [18.531 MeV] (A_Sr:819)
88Sr38 + 10 D* --> 99Ru44 + 9Be4 + 119.705 MeV [6.010 MeV] (A_Sr:820)
88Sr38 + 10 D* --> 104Pd46 + 4He2 + 130.401 MeV [16.705 MeV] (A_Sr:821)
88Sr38 + 10 D* --> 105Pd46 + 3He2 + 116.917 MeV [3.222 MeV] (A_Sr:822)
88Sr38 + 10 D* --> 107Ag47 + 1H1 + 124.548 MeV [10.853 MeV] (A_Sr:823)
88Sr38 + 10 D* --> 108Cd48 + 132.688 MeV [18.993 MeV] (A_Sr:824)

88Sr38 + 11 D* --> 70Zn30 + 40K19 + 159.671 MeV [32.724 MeV] (A_Sr:825)
88Sr38 + 11 D* --> 73Ge32 + 37Cl17 + 159.630 MeV [32.683 MeV] (A_Sr:826)
88Sr38 + 11 D* --> 81Br35 + 29Si14 + 156.441 MeV [29.494 MeV] (A_Sr:827)
88Sr38 + 11 D* --> 83Kr36 + 27Al13 + 153.750 MeV [26.803 MeV] (A_Sr:828)
88Sr38 + 11 D* --> 85Rb37 + 25Mg12 + 151.931 MeV [24.984 MeV] (A_Sr:829)
88Sr38 + 11 D* --> 87Sr38 + 23Na11 + 150.981 MeV [24.035 MeV] (A_Sr:830)
88Sr38 + 11 D* --> 89Y39 + 21Ne10 + 150.005 MeV [23.058 MeV] (A_Sr:831)
88Sr38 + 11 D* --> 91Zr40 + 19F9 + 145.949 MeV [19.002 MeV] (A_Sr:832)
88Sr38 + 11 D* --> 93Nb41 + 17O8 + 144.588 MeV [17.641 MeV] (A_Sr:833)
88Sr38 + 11 D* --> 95Mo42 + 15N7 + 144.177 MeV [17.230 MeV] (A_Sr:834)
88Sr38 + 11 D* --> 96Mo42 + 14N7 + 142.498 MeV [15.551 MeV] (A_Sr:835)
88Sr38 + 11 D* --> 99Ru44 + 11B5 + 135.520 MeV [8.573 MeV] (A_Sr:836)
88Sr38 + 11 D* --> 100Ru44 + 10B5 + 133.739 MeV [6.793 MeV] (A_Sr:837)
88Sr38 + 11 D* --> 104Pd46 + 6Li3 + 131.874 MeV [4.928 MeV] (A_Sr:838)
88Sr38 + 11 D* --> 107Ag47 + 3He2 + 130.042 MeV [3.095 MeV] (A_Sr:839)
88Sr38 + 11 D* --> 108Cd48 + 2H1 + 132.688 MeV [5.741 MeV] (A_Sr:840)

88Sr38 + 12 D* --> 58Fe26 + 54Cr24 + 188.793 MeV [48.267 MeV] (A_Sr:841)
88Sr38 + 12 D* --> 62Ni28 + 50Ti22 + 187.880 MeV [47.354 MeV] (A_Sr:842)
88Sr38 + 12 D* --> 64Ni28 + 48Ti22 + 185.294 MeV [44.768 MeV] (A_Sr:843)
88Sr38 + 12 D* --> 64Zn30 + 48Ca20 + 179.925 MeV [39.399 MeV] (A_Sr:844)
88Sr38 + 12 D* --> 66Zn30 + 46Ca20 + 181.741 MeV [41.215 MeV] (A_Sr:845)
88Sr38 + 12 D* --> 68Zn30 + 44Ca20 + 181.183 MeV [40.656 MeV] (A_Sr:846)
88Sr38 + 12 D* --> 70Zn30 + 42Ca20 + 177.819 MeV [37.292 MeV] (A_Sr:847)
88Sr38 + 12 D* --> 71Ga31 + 41K19 + 175.406 MeV [34.880 MeV] (A_Sr:848)
88Sr38 + 12 D* --> 72Ge32 + 40Ar18 + 177.333 MeV [36.807 MeV] (A_Sr:849)
88Sr38 + 12 D* --> 74Ge32 + 38Ar18 + 177.844 MeV [37.318 MeV] (A_Sr:850)
88Sr38 + 12 D* --> 76Ge32 + 36Ar18 + 173.152 MeV [32.625 MeV] (A_Sr:851)
88Sr38 + 12 D* --> 75As33 + 37Cl17 + 174.501 MeV [33.975 MeV] (A_Sr:852)
88Sr38 + 12 D* --> 76Se34 + 36S16 + 175.623 MeV [35.097 MeV] (A_Sr:853)
88Sr38 + 12 D* --> 78Se34 + 34S16 + 176.665 MeV [36.139 MeV] (A_Sr:854)
88Sr38 + 12 D* --> 80Se34 + 32S16 + 173.483 MeV [32.956 MeV] (A_Sr:855)
88Sr38 + 12 D* --> 81Br35 + 31P15 + 172.123 MeV [31.597 MeV] (A_Sr:856)
88Sr38 + 12 D* --> 82Kr36 + 30Si14 + 174.729 MeV [34.203 MeV] (A_Sr:857)
88Sr38 + 12 D* --> 83Kr36 + 29Si14 + 171.584 MeV [31.058 MeV] (A_Sr:858)
88Sr38 + 12 D* --> 84Kr36 + 28Si14 + 173.631 MeV [33.105 MeV] (A_Sr:859)
88Sr38 + 12 D* --> 85Rb37 + 27Al13 + 169.071 MeV [28.545 MeV] (A_Sr:860)
88Sr38 + 12 D* --> 86Sr38 + 26Mg12 + 170.445 MeV [29.919 MeV] (A_Sr:861)
88Sr38 + 12 D* --> 87Sr38 + 25Mg12 + 167.780 MeV [27.254 MeV] (A_Sr:862)
88Sr38 + 12 D* --> 88Sr38 + 24Mg12 + 171.562 MeV [31.036 MeV] (A_Sr:863)
88Sr38 + 12 D* --> 89Y39 + 23Na11 + 166.939 MeV [26.412 MeV] (A_Sr:864)
88Sr38 + 12 D* --> 90Zr40 + 22Ne10 + 166.499 MeV [25.973 MeV] (A_Sr:865)
88Sr38 + 12 D* --> 91Zr40 + 21Ne10 + 163.329 MeV [22.803 MeV] (A_Sr:866)
88Sr38 + 12 D* --> 92Zr40 + 20Ne10 + 165.203 MeV [24.677 MeV] (A_Sr:867)

88Sr38 + 12 D* --> 93Nb41 + 19F9 + 158.403 MeV [17.876 MeV] (A_Sr:868)
88Sr38 + 12 D* --> 94Mo42 + 18O8 + 158.898 MeV [18.372 MeV] (A_Sr:869)
88Sr38 + 12 D* --> 95Mo42 + 17O8 + 158.223 MeV [17.697 MeV] (A_Sr:870)
88Sr38 + 12 D* --> 96Mo42 + 16O8 + 163.234 MeV [22.708 MeV] (A_Sr:871)
88Sr38 + 12 D* --> 99Ru44 + 13C6 + 154.199 MeV [13.673 MeV] (A_Sr:872)
88Sr38 + 12 D* --> 100Ru44 + 12C6 + 158.926 MeV [18.400 MeV] (A_Sr:873)
88Sr38 + 12 D* --> 108Cd48 + 4He2 + 156.534 MeV [16.008 MeV] (A_Sr:874)
88Sr38 + 12 D* --> 112Sn50 + 158.368 MeV [17.842 MeV] (A_Sr:875)

---------- Equations follow for Yttrium, Y, element 39 ----------

89Y39 + D* --> 48Ca20 + 43Ca20 + 8.057 MeV [-1.932 MeV] (A_Y:1)
89Y39 + D* --> 70Zn30 + 21Ne10 + 00.730 MeV [-9.258 MeV] (A_Y:2)
89Y39 + D* --> 87Sr38 + 4He2 + 7.889 MeV [-2.099 MeV] (A_Y:3)
89Y39 + D* --> 91Zr40 + 13.324 MeV [3.336 MeV] (A_Y:4)

89Y39 + 2 D* --> 48Ca20 + 45Sc21 + 23.852 MeV [3.510 MeV] (A_Y:5)
89Y39 + 2 D* --> 70Zn30 + 23Na11 + 17.664 MeV [-2.677 MeV] (A_Y:6)
89Y39 + 2 D* --> 71Ga31 + 22Ne10 + 16.735 MeV [-3.607 MeV] (A_Y:7)
89Y39 + 2 D* --> 74Ge32 + 19F9 + 13.480 MeV [-6.862 MeV] (A_Y:8)
89Y39 + 2 D* --> 75As33 + 18O8 + 12.384 MeV [-7.958 MeV] (A_Y:9)
89Y39 + 2 D* --> 78Se34 + 15N7 + 15.494 MeV [-4.847 MeV] (A_Y:10)
89Y39 + 2 D* --> 81Br35 + 12C6 + 16.545 MeV [-3.797 MeV] (A_Y:11)
89Y39 + 2 D* --> 82Kr36 + 11B5 + 10.491 MeV [-9.850 MeV] (A_Y:12)
89Y39 + 2 D* --> 83Kr36 + 10B5 + 6.501 MeV [-13.841 MeV] (A_Y:13)
89Y39 + 2 D* --> 86Sr38 + 7Li3 + 8.185 MeV [-12.156 MeV] (A_Y:14)
89Y39 + 2 D* --> 87Sr38 + 6Li3 + 9.363 MeV [-10.978 MeV] (A_Y:15)
89Y39 + 2 D* --> 89Y39 + 4He2 + 23.847 MeV [3.505 MeV] (A_Y:16)
89Y39 + 2 D* --> 91Zr40 + 2H1 + 13.324 MeV [-7.017 MeV] (A_Y:17)
89Y39 + 2 D* --> 92Zr40 + 1H1 + 19.735 MeV [-0.607 MeV] (A_Y:18)
89Y39 + 2 D* --> 93Nb41 + 25.778 MeV [5.437 MeV] (A_Y:19)

89Y39 + 3 D* --> 48Ca20 + 47Ti22 + 40.852 MeV [9.798 MeV] (A_Y:20)
89Y39 + 3 D* --> 49Ti22 + 46Ca20 + 43.399 MeV [12.345 MeV] (A_Y:21)
89Y39 + 3 D* --> 70Zn30 + 25Mg12 + 34.463 MeV [3.409 MeV] (A_Y:22)
89Y39 + 3 D* --> 73Ge32 + 22Ne10 + 31.028 MeV [-0.026 MeV] (A_Y:23)
89Y39 + 3 D* --> 74Ge32 + 21Ne10 + 30.860 MeV [-0.194 MeV] (A_Y:24)
89Y39 + 3 D* --> 77Se34 + 18O8 + 27.087 MeV [-3.967 MeV] (A_Y:25)
89Y39 + 3 D* --> 78Se34 + 17O8 + 29.540 MeV [-1.514 MeV] (A_Y:26)
89Y39 + 3 D* --> 81Br35 + 14N7 + 26.817 MeV [-4.237 MeV] (A_Y:27)
89Y39 + 3 D* --> 82Kr36 + 13C6 + 29.170 MeV [-1.884 MeV] (A_Y:28)
89Y39 + 3 D* --> 83Kr36 + 12C6 + 31.687 MeV [00.633 MeV] (A_Y:29)
89Y39 + 3 D* --> 85Rb37 + 10B5 + 21.822 MeV [-9.232 MeV] (A_Y:30)
89Y39 + 3 D* --> 86Sr38 + 9Be4 + 24.881 MeV [-6.173 MeV] (A_Y:31)
89Y39 + 3 D* --> 89Y39 + 6Li3 + 25.320 MeV [-5.734 MeV] (A_Y:32)
89Y39 + 3 D* --> 91Zr40 + 4He2 + 37.171 MeV [6.117 MeV] (A_Y:33)
89Y39 + 3 D* --> 92Zr40 + 3He2 + 25.228 MeV [-5.826 MeV] (A_Y:34)
89Y39 + 3 D* --> 93Nb41 + 2H1 + 25.778 MeV [-5.276 MeV] (A_Y:35)
89Y39 + 3 D* --> 95Mo42 + 39.413 MeV [8.359 MeV] (A_Y:36)

89Y39 + 4 D* --> 51V23 + 46Ca20 + 60.178 MeV [18.056 MeV] (A_Y:37)
89Y39 + 4 D* --> 70Zn30 + 27Al13 + 51.602 MeV [9.481 MeV] (A_Y:38)
89Y39 + 4 D* --> 71Ga31 + 26Mg12 + 51.196 MeV [9.074 MeV] (A_Y:39)
89Y39 + 4 D* --> 74Ge32 + 23Na11 + 47.793 MeV [5.672 MeV] (A_Y:40)

89Y39 + 4 D* --> 75As33 + 22Ne10 + 45.898 MeV [3.777 MeV] (A_Y:41)
89Y39 + 4 D* --> 78Se34 + 19F9 + 43.355 MeV [1.233 MeV] (A_Y:42)
89Y39 + 4 D* --> 79Br35 + 18O8 + 41.691 MeV [-0.430 MeV] (A_Y:43)
89Y39 + 4 D* --> 81Br35 + 16O8 + 47.553 MeV [5.431 MeV] (A_Y:44)
89Y39 + 4 D* --> 82Kr36 + 15N7 + 45.329 MeV [3.208 MeV] (A_Y:45)
89Y39 + 4 D* --> 83Kr36 + 14N7 + 41.959 MeV [-0.162 MeV] (A_Y:46)
89Y39 + 4 D* --> 85Rb37 + 12C6 + 47.008 MeV [4.887 MeV] (A_Y:47)
89Y39 + 4 D* --> 86Sr38 + 11B5 + 40.697 MeV [-1.425 MeV] (A_Y:48)
89Y39 + 4 D* --> 87Sr38 + 10B5 + 37.671 MeV [-4.451 MeV] (A_Y:49)
89Y39 + 4 D* --> 90Zr40 + 7Li3 + 38.700 MeV [-3.421 MeV] (A_Y:50)
89Y39 + 4 D* --> 91Zr40 + 6Li3 + 38.645 MeV [-3.477 MeV] (A_Y:51)
89Y39 + 4 D* --> 93Nb41 + 4He2 + 49.625 MeV [7.503 MeV] (A_Y:52)
89Y39 + 4 D* --> 95Mo42 + 2H1 + 39.413 MeV [-2.709 MeV] (A_Y:53)
89Y39 + 4 D* --> 96Mo42 + 1H1 + 46.343 MeV [4.221 MeV] (A_Y:54)

89Y39 + 5 D* --> 50Ti22 + 49Ti22 + 77.962 MeV [24.422 MeV] (A_Y:55)
89Y39 + 5 D* --> 53Cr24 + 46Ca20 + 76.397 MeV [22.857 MeV] (A_Y:56)
89Y39 + 5 D* --> 70Zn30 + 29Si14 + 69.437 MeV [15.896 MeV] (A_Y:57)
89Y39 + 5 D* --> 73Ge32 + 26Mg12 + 65.489 MeV [11.949 MeV] (A_Y:58)
89Y39 + 5 D* --> 74Ge32 + 25Mg12 + 64.592 MeV [11.052 MeV] (A_Y:59)
89Y39 + 5 D* --> 77Se34 + 22Ne10 + 60.601 MeV [7.061 MeV] (A_Y:60)
89Y39 + 5 D* --> 78Se34 + 21Ne10 + 60.735 MeV [7.195 MeV] (A_Y:61)
89Y39 + 5 D* --> 82Kr36 + 17O8 + 59.375 MeV [5.835 MeV] (A_Y:62)
89Y39 + 5 D* --> 83Kr36 + 16O8 + 62.696 MeV [9.155 MeV] (A_Y:63)
89Y39 + 5 D* --> 85Rb37 + 14N7 + 57.281 MeV [3.741 MeV] (A_Y:64)
89Y39 + 5 D* --> 86Sr38 + 13C6 + 59.375 MeV [5.835 MeV] (A_Y:65)
89Y39 + 5 D* --> 87Sr38 + 12C6 + 62.857 MeV [9.317 MeV] (A_Y:66)
89Y39 + 5 D* --> 89Y39 + 10B5 + 53.628 MeV [00.088 MeV] (A_Y:67)
89Y39 + 5 D* --> 90Zr40 + 9Be4 + 55.396 MeV [1.856 MeV] (A_Y:68)
89Y39 + 5 D* --> 93Nb41 + 6Li3 + 51.098 MeV [-2.442 MeV] (A_Y:69)
89Y39 + 5 D* --> 95Mo42 + 4He2 + 63.259 MeV [9.719 MeV] (A_Y:70)
89Y39 + 5 D* --> 96Mo42 + 3He2 + 51.836 MeV [-1.704 MeV] (A_Y:71)
89Y39 + 5 D* --> 99Ru44 + 65.594 MeV [12.054 MeV] (A_Y:72)

89Y39 + 6 D* --> 51V23 + 50Ti22 + 94.741 MeV [29.435 MeV] (A_Y:73)
89Y39 + 6 D* --> 55Mn25 + 46Ca20 + 91.958 MeV [26.653 MeV] (A_Y:74)
89Y39 + 6 D* --> 64Ni28 + 37Cl17 + 89.973 MeV [24.668 MeV] (A_Y:75)
89Y39 + 6 D* --> 65Cu29 + 36S16 + 89.040 MeV [23.735 MeV] (A_Y:76)
89Y39 + 6 D* --> 70Zn30 + 31P15 + 85.118 MeV [19.813 MeV] (A_Y:77)
89Y39 + 6 D* --> 71Ga31 + 30Si14 + 85.686 MeV [20.380 MeV] (A_Y:78)
89Y39 + 6 D* --> 74Ge32 + 27Al13 + 81.732 MeV [16.426 MeV] (A_Y:79)
89Y39 + 6 D* --> 75As33 + 26Mg12 + 80.360 MeV [15.054 MeV] (A_Y:80)
89Y39 + 6 D* --> 78Se34 + 23Na11 + 77.669 MeV [12.363 MeV] (A_Y:81)
89Y39 + 6 D* --> 79Br35 + 22Ne10 + 75.206 MeV [9.900 MeV] (A_Y:82)
89Y39 + 6 D* --> 81Br35 + 20Ne10 + 76.129 MeV [10.824 MeV] (A_Y:83)
89Y39 + 6 D* --> 82Kr36 + 19F9 + 73.189 MeV [7.884 MeV] (A_Y:84)
89Y39 + 6 D* --> 85Rb37 + 16O8 + 78.017 MeV [12.711 MeV] (A_Y:85)
89Y39 + 6 D* --> 86Sr38 + 15N7 + 75.535 MeV [10.229 MeV] (A_Y:86)
89Y39 + 6 D* --> 87Sr38 + 14N7 + 73.130 MeV [7.824 MeV] (A_Y:87)
89Y39 + 6 D* --> 89Y39 + 12C6 + 78.814 MeV [13.509 MeV] (A_Y:88)
89Y39 + 6 D* --> 90Zr40 + 11B5 + 71.212 MeV [5.906 MeV] (A_Y:89)
89Y39 + 6 D* --> 91Zr40 + 10B5 + 66.952 MeV [1.647 MeV] (A_Y:90)
89Y39 + 6 D* --> 94Mo42 + 7Li3 + 64.614 MeV [-0.691 MeV] (A_Y:91)
89Y39 + 6 D* --> 95Mo42 + 6Li3 + 64.733 MeV [-0.572 MeV] (A_Y:92)

89Y39 + 6 D* --> 99Ru44 + 2H1 + 65.594 MeV [00.288 MeV] (A_Y:93)
89Y39 + 6 D* --> 100Ru44 + 1H1 + 73.043 MeV [7.737 MeV] (A_Y:94)

89Y39 + 7 D* --> 53Cr24 + 50Ti22 + 110.960 MeV [33.546 MeV] (A_Y:95)
89Y39 + 7 D* --> 54Cr24 + 49Ti22 + 109.740 MeV [32.326 MeV] (A_Y:96)
89Y39 + 7 D* --> 57Fe26 + 46Ca20 + 107.564 MeV [30.150 MeV] (A_Y:97)
89Y39 + 7 D* --> 67Zn30 + 36S16 + 102.793 MeV [25.379 MeV] (A_Y:98)
89Y39 + 7 D* --> 70Zn30 + 33S16 + 100.399 MeV [22.985 MeV] (A_Y:99)
89Y39 + 7 D* --> 73Ge32 + 30Si14 + 99.979 MeV [22.565 MeV] (A_Y:100)
89Y39 + 7 D* --> 74Ge32 + 29Si14 + 99.566 MeV [22.152 MeV] (A_Y:101)
89Y39 + 7 D* --> 77Se34 + 26Mg12 + 95.062 MeV [17.649 MeV] (A_Y:102)
89Y39 + 7 D* --> 78Se34 + 25Mg12 + 94.467 MeV [17.054 MeV] (A_Y:103)
89Y39 + 7 D* --> 82Kr36 + 21Ne10 + 90.570 MeV [13.156 MeV] (A_Y:104)
89Y39 + 7 D* --> 83Kr36 + 20Ne10 + 91.272 MeV [13.858 MeV] (A_Y:105)
89Y39 + 7 D* --> 86Sr38 + 17O8 + 89.581 MeV [12.167 MeV] (A_Y:106)
89Y39 + 7 D* --> 87Sr38 + 16O8 + 93.866 MeV [16.452 MeV] (A_Y:107)
89Y39 + 7 D* --> 89Y39 + 14N7 + 89.087 MeV [11.673 MeV] (A_Y:108)
89Y39 + 7 D* --> 90Zr40 + 13C6 + 89.891 MeV [12.477 MeV] (A_Y:109)
89Y39 + 7 D* --> 91Zr40 + 12C6 + 92.139 MeV [14.725 MeV] (A_Y:110)
89Y39 + 7 D* --> 93Nb41 + 10B5 + 79.406 MeV [1.992 MeV] (A_Y:111)
89Y39 + 7 D* --> 94Mo42 + 9Be4 + 81.310 MeV [3.897 MeV] (A_Y:112)
89Y39 + 7 D* --> 99Ru44 + 4He2 + 89.440 MeV [12.027 MeV] (A_Y:113)
89Y39 + 7 D* --> 100Ru44 + 3He2 + 78.536 MeV [1.122 MeV] (A_Y:114)

89Y39 + 8 D* --> 54Cr24 + 51V23 + 126.518 MeV [36.657 MeV] (A_Y:115)
89Y39 + 8 D* --> 55Mn25 + 50Ti22 + 126.521 MeV [36.660 MeV] (A_Y:116)
89Y39 + 8 D* --> 59Co27 + 46Ca20 + 122.748 MeV [32.887 MeV] (A_Y:117)
89Y39 + 8 D* --> 64Ni28 + 41K19 + 120.042 MeV [30.182 MeV] (A_Y:118)
89Y39 + 8 D* --> 65Cu29 + 40Ar18 + 119.688 MeV [29.827 MeV] (A_Y:119)
89Y39 + 8 D* --> 68Zn30 + 37Cl17 + 119.153 MeV [29.292 MeV] (A_Y:120)
89Y39 + 8 D* --> 70Zn30 + 35Cl17 + 115.962 MeV [26.101 MeV] (A_Y:121)
89Y39 + 8 D* --> 69Ga31 + 36S16 + 117.376 MeV [27.515 MeV] (A_Y:122)
89Y39 + 8 D* --> 71Ga31 + 34S16 + 117.456 MeV [27.595 MeV] (A_Y:123)
89Y39 + 8 D* --> 74Ge32 + 31P15 + 115.247 MeV [25.386 MeV] (A_Y:124)
89Y39 + 8 D* --> 75As33 + 30Si14 + 114.849 MeV [24.989 MeV] (A_Y:125)
89Y39 + 8 D* --> 78Se34 + 27Al13 + 111.607 MeV [21.746 MeV] (A_Y:126)
89Y39 + 8 D* --> 79Br35 + 26Mg12 + 109.667 MeV [19.806 MeV] (A_Y:127)
89Y39 + 8 D* --> 81Br35 + 24Mg12 + 109.292 MeV [19.432 MeV] (A_Y:128)
89Y39 + 8 D* --> 82Kr36 + 23Na11 + 107.503 MeV [17.643 MeV] (A_Y:129)
89Y39 + 8 D* --> 85Rb37 + 20Ne10 + 106.593 MeV [16.732 MeV] (A_Y:130)
89Y39 + 8 D* --> 86Sr38 + 19F9 + 103.395 MeV [13.534 MeV] (A_Y:131)
89Y39 + 8 D* --> 89Y39 + 16O8 + 109.823 MeV [19.962 MeV] (A_Y:132)
89Y39 + 8 D* --> 90Zr40 + 15N7 + 106.050 MeV [16.189 MeV] (A_Y:133)
89Y39 + 8 D* --> 91Zr40 + 14N7 + 102.411 MeV [12.550 MeV] (A_Y:134)
89Y39 + 8 D* --> 93Nb41 + 12C6 + 104.592 MeV [14.731 MeV] (A_Y:135)
89Y39 + 8 D* --> 94Mo42 + 11B5 + 97.126 MeV [7.265 MeV] (A_Y:136)
89Y39 + 8 D* --> 95Mo42 + 10B5 + 93.041 MeV [3.180 MeV] (A_Y:137)
89Y39 + 8 D* --> 98Ru44 + 7Li3 + 90.700 MeV [00.840 MeV] (A_Y:138)
89Y39 + 8 D* --> 99Ru44 + 6Li3 + 90.914 MeV [1.053 MeV] (A_Y:139)
89Y39 + 8 D* --> 104Pd46 + 1H1 + 99.485 MeV [9.624 MeV] (A_Y:140)

89Y39 + 9 D* --> 54Cr24 + 53Cr24 + 142.737 MeV [40.094 MeV] (A_Y:141)
89Y39 + 9 D* --> 57Fe26 + 50Ti22 + 142.127 MeV [39.483 MeV] (A_Y:142)
89Y39 + 9 D* --> 58Fe26 + 49Ti22 + 141.232 MeV [38.588 MeV] (A_Y:143)

89Y39 + 9 D* --> 61Ni28 + 46Ca20 + 137.876 MeV [35.232 MeV] (A_Y:144)
89Y39 + 9 D* --> 64Ni28 + 43Ca20 + 136.028 MeV [33.384 MeV] (A_Y:145)
89Y39 + 9 D* --> 67Zn30 + 40Ar18 + 133.440 MeV [30.797 MeV] (A_Y:146)
89Y39 + 9 D* --> 73Ge32 + 34S16 + 131.749 MeV [29.106 MeV] (A_Y:147)
89Y39 + 9 D* --> 74Ge32 + 33S16 + 130.528 MeV [27.885 MeV] (A_Y:148)
89Y39 + 9 D* --> 77Se34 + 30Si14 + 129.552 MeV [26.909 MeV] (A_Y:149)
89Y39 + 9 D* --> 78Se34 + 29Si14 + 129.441 MeV [26.797 MeV] (A_Y:150)
89Y39 + 9 D* --> 82Kr36 + 25Mg12 + 124.302 MeV [21.659 MeV] (A_Y:151)
89Y39 + 9 D* --> 83Kr36 + 24Mg12 + 124.435 MeV [21.791 MeV] (A_Y:152)
89Y39 + 9 D* --> 86Sr38 + 21Ne10 + 120.775 MeV [18.132 MeV] (A_Y:153)
89Y39 + 9 D* --> 87Sr38 + 20Ne10 + 122.442 MeV [19.799 MeV] (A_Y:154)
89Y39 + 9 D* --> 90Zr40 + 17O8 + 120.096 MeV [17.452 MeV] (A_Y:155)
89Y39 + 9 D* --> 91Zr40 + 16O8 + 123.147 MeV [20.504 MeV] (A_Y:156)
89Y39 + 9 D* --> 93Nb41 + 14N7 + 114.865 MeV [12.221 MeV] (A_Y:157)
89Y39 + 9 D* --> 94Mo42 + 13C6 + 115.804 MeV [13.161 MeV] (A_Y:158)
89Y39 + 9 D* --> 95Mo42 + 12C6 + 118.227 MeV [15.584 MeV] (A_Y:159)
89Y39 + 9 D* --> 98Ru44 + 9Be4 + 107.397 MeV [4.753 MeV] (A_Y:160)
89Y39 + 9 D* --> 104Pd46 + 3He2 + 104.979 MeV [2.335 MeV] (A_Y:161)

89Y39 + 10 D* --> 55Mn25 + 54Cr24 + 158.299 MeV [42.540 MeV] (A_Y:162)
89Y39 + 10 D* --> 58Fe26 + 51V23 + 158.010 MeV [42.252 MeV] (A_Y:163)
89Y39 + 10 D* --> 59Co27 + 50Ti22 + 157.311 MeV [41.552 MeV] (A_Y:164)
89Y39 + 10 D* --> 64Ni28 + 45Sc21 + 151.823 MeV [36.064 MeV] (A_Y:165)
89Y39 + 10 D* --> 63Cu29 + 46Ca20 + 152.370 MeV [36.612 MeV] (A_Y:166)
89Y39 + 10 D* --> 65Cu29 + 44Ca20 + 152.388 MeV [36.629 MeV] (A_Y:167)
89Y39 + 10 D* --> 68Zn30 + 41K19 + 149.222 MeV [33.464 MeV] (A_Y:168)
89Y39 + 10 D* --> 70Zn30 + 39K19 + 147.027 MeV [31.269 MeV] (A_Y:169)
89Y39 + 10 D* --> 69Ga31 + 40Ar18 + 148.023 MeV [32.265 MeV] (A_Y:170)
89Y39 + 10 D* --> 71Ga31 + 38Ar18 + 148.510 MeV [32.752 MeV] (A_Y:171)
89Y39 + 10 D* --> 72Ge32 + 37Cl17 + 148.003 MeV [32.245 MeV] (A_Y:172)
89Y39 + 10 D* --> 74Ge32 + 35Cl17 + 146.091 MeV [30.333 MeV] (A_Y:173)
89Y39 + 10 D* --> 75As33 + 34S16 + 146.620 MeV [30.862 MeV] (A_Y:174)
89Y39 + 10 D* --> 78Se34 + 31P15 + 145.122 MeV [29.364 MeV] (A_Y:175)
89Y39 + 10 D* --> 79Br35 + 30Si14 + 144.157 MeV [28.399 MeV] (A_Y:176)
89Y39 + 10 D* --> 81Br35 + 28Si14 + 143.123 MeV [27.365 MeV] (A_Y:177)
89Y39 + 10 D* --> 82Kr36 + 27Al13 + 141.442 MeV [25.683 MeV] (A_Y:178)
89Y39 + 10 D* --> 85Rb37 + 24Mg12 + 139.756 MeV [23.998 MeV] (A_Y:179)
89Y39 + 10 D* --> 86Sr38 + 23Na11 + 137.709 MeV [21.951 MeV] (A_Y:180)
89Y39 + 10 D* --> 89Y39 + 20Ne10 + 138.399 MeV [22.641 MeV] (A_Y:181)
89Y39 + 10 D* --> 90Zr40 + 19F9 + 133.910 MeV [18.152 MeV] (A_Y:182)
89Y39 + 10 D* --> 93Nb41 + 16O8 + 135.601 MeV [19.843 MeV] (A_Y:183)
89Y39 + 10 D* --> 94Mo42 + 15N7 + 131.964 MeV [16.206 MeV] (A_Y:184)
89Y39 + 10 D* --> 95Mo42 + 14N7 + 128.500 MeV [12.741 MeV] (A_Y:185)
89Y39 + 10 D* --> 98Ru44 + 11B5 + 123.212 MeV [7.454 MeV] (A_Y:186)
89Y39 + 10 D* --> 99Ru44 + 10B5 + 119.222 MeV [3.464 MeV] (A_Y:187)
89Y39 + 10 D* --> 102Pd46 + 7Li3 + 116.672 MeV [00.914 MeV] (A_Y:188)
89Y39 + 10 D* --> 108Cd48 + 1H1 + 125.619 MeV [9.861 MeV] (A_Y:189)

89Y39 + 11 D* --> 57Fe26 + 54Cr24 + 173.904 MeV [44.703 MeV] (A_Y:190)
89Y39 + 11 D* --> 58Fe26 + 53Cr24 + 174.229 MeV [45.028 MeV] (A_Y:191)
89Y39 + 11 D* --> 61Ni28 + 50Ti22 + 172.439 MeV [43.237 MeV] (A_Y:192)
89Y39 + 11 D* --> 62Ni28 + 49Ti22 + 172.096 MeV [42.895 MeV] (A_Y:193)
89Y39 + 11 D* --> 64Ni28 + 47Ti22 + 168.823 MeV [39.622 MeV] (A_Y:194)
89Y39 + 11 D* --> 67Zn30 + 44Ca20 + 166.140 MeV [36.939 MeV] (A_Y:195)

89Y39 + 11 D* --> 68Zn30 + 43Ca20 + 165.207 MeV [36.006 MeV] (A_Y:196)
89Y39 + 11 D* --> 71Ga31 + 40K19 + 160.467 MeV [31.265 MeV] (A_Y:197)
89Y39 + 11 D* --> 73Ge32 + 38Ar18 + 162.803 MeV [33.602 MeV] (A_Y:198)
89Y39 + 11 D* --> 77Se34 + 34S16 + 161.323 MeV [32.121 MeV] (A_Y:199)
89Y39 + 11 D* --> 78Se34 + 33S16 + 160.403 MeV [31.202 MeV] (A_Y:200)
89Y39 + 11 D* --> 82Kr36 + 29Si14 + 159.276 MeV [30.074 MeV] (A_Y:201)
89Y39 + 11 D* --> 83Kr36 + 28Si14 + 158.266 MeV [29.064 MeV] (A_Y:202)
89Y39 + 11 D* --> 86Sr38 + 25Mg12 + 154.508 MeV [25.306 MeV] (A_Y:203)
89Y39 + 11 D* --> 87Sr38 + 24Mg12 + 155.605 MeV [26.404 MeV] (A_Y:204)
89Y39 + 11 D* --> 90Zr40 + 21Ne10 + 151.290 MeV [22.089 MeV] (A_Y:205)
89Y39 + 11 D* --> 91Zr40 + 20Ne10 + 151.724 MeV [22.522 MeV] (A_Y:206)
89Y39 + 11 D* --> 94Mo42 + 17O8 + 146.010 MeV [16.808 MeV] (A_Y:207)
89Y39 + 11 D* --> 95Mo42 + 16O8 + 149.236 MeV [20.034 MeV] (A_Y:208)
89Y39 + 11 D* --> 98Ru44 + 13C6 + 141.891 MeV [12.689 MeV] (A_Y:209)
89Y39 + 11 D* --> 99Ru44 + 12C6 + 144.408 MeV [15.207 MeV] (A_Y:210)
89Y39 + 11 D* --> 102Pd46 + 9Be4 + 133.369 MeV [4.167 MeV] (A_Y:211)
89Y39 + 11 D* --> 108Cd48 + 3He2 + 131.112 MeV [1.911 MeV] (A_Y:212)

89Y39 + 12 D* --> 58Fe26 + 55Mn25 + 189.791 MeV [46.821 MeV] (A_Y:213)
89Y39 + 12 D* --> 59Co27 + 54Cr24 + 189.088 MeV [46.118 MeV] (A_Y:214)
89Y39 + 12 D* --> 62Ni28 + 51V23 + 188.874 MeV [45.905 MeV] (A_Y:215)
89Y39 + 12 D* --> 63Cu29 + 50Ti22 + 186.933 MeV [43.963 MeV] (A_Y:216)
89Y39 + 12 D* --> 65Cu29 + 48Ti22 + 185.678 MeV [42.709 MeV] (A_Y:217)
89Y39 + 12 D* --> 68Zn30 + 45Sc21 + 181.002 MeV [38.032 MeV] (A_Y:218)
89Y39 + 12 D* --> 69Ga31 + 44Ca20 + 180.723 MeV [37.753 MeV] (A_Y:219)
89Y39 + 12 D* --> 71Ga31 + 42Ca20 + 178.614 MeV [35.644 MeV] (A_Y:220)
89Y39 + 12 D* --> 72Ge32 + 41K19 + 178.072 MeV [35.102 MeV] (A_Y:221)
89Y39 + 12 D* --> 73Ge32 + 40K19 + 174.760 MeV [31.790 MeV] (A_Y:222)
89Y39 + 12 D* --> 74Ge32 + 39K19 + 177.156 MeV [34.187 MeV] (A_Y:223)
89Y39 + 12 D* --> 75As33 + 38Ar18 + 177.674 MeV [34.704 MeV] (A_Y:224)
89Y39 + 12 D* --> 76Se34 + 37Cl17 + 176.940 MeV [33.971 MeV] (A_Y:225)
89Y39 + 12 D* --> 78Se34 + 35Cl17 + 175.967 MeV [32.997 MeV] (A_Y:226)
89Y39 + 12 D* --> 79Br35 + 34S16 + 175.927 MeV [32.957 MeV] (A_Y:227)
89Y39 + 12 D* --> 81Br35 + 32S16 + 173.917 MeV [30.948 MeV] (A_Y:228)
89Y39 + 12 D* --> 82Kr36 + 31P15 + 174.957 MeV [31.988 MeV] (A_Y:229)
89Y39 + 12 D* --> 85Rb37 + 28Si14 + 173.587 MeV [30.617 MeV] (A_Y:230)
89Y39 + 12 D* --> 86Sr38 + 27Al13 + 171.647 MeV [28.677 MeV] (A_Y:231)
89Y39 + 12 D* --> 89Y39 + 24Mg12 + 171.562 MeV [28.592 MeV] (A_Y:232)
89Y39 + 12 D* --> 90Zr40 + 23Na11 + 168.224 MeV [25.254 MeV] (A_Y:233)
89Y39 + 12 D* --> 93Nb41 + 20Ne10 + 164.177 MeV [21.207 MeV] (A_Y:234)
89Y39 + 12 D* --> 94Mo42 + 19F9 + 159.824 MeV [16.854 MeV] (A_Y:235)
89Y39 + 12 D* --> 98Ru44 + 15N7 + 158.050 MeV [15.080 MeV] (A_Y:236)
89Y39 + 12 D* --> 99Ru44 + 14N7 + 154.680 MeV [11.711 MeV] (A_Y:237)
89Y39 + 12 D* --> 102Pd46 + 11B5 + 149.184 MeV [6.214 MeV] (A_Y:238)
89Y39 + 12 D* --> 106Cd48 + 7Li3 + 142.151 MeV [-0.819 MeV] (A_Y:239)
89Y39 + 12 D* --> 112Sn50 + 1H1 + 151.299 MeV [8.329 MeV] (A_Y:240)

---------- Equations follow for Zirconium, Zr, element 40 ----------

90Zr40 + D* --> 71Ga31 + 21Ne10 + 00.240 MeV [-9.967 MeV] (A_Zr:1)
90Zr40 + D* --> 91Zr40 + 1H1 + 4.970 MeV [-5.238 MeV] (A_Zr:2)

90Zr40 + 2 D* --> 48Ca20 + 46Ti22 + 25.842 MeV [5.066 MeV] (A_Zr:3)
90Zr40 + 2 D* --> 48Ti22 + 46Ca20 + 29.127 MeV [8.351 MeV] (A_Zr:4)

90Zr40 + 2 D* --> 50Ti22 + 44Ca20 + 30.399 MeV [9.624 MeV] (A_Zr:5)
90Zr40 + 2 D* --> 54Cr24 + 40Ar18 + 29.477 MeV [8.701 MeV] (A_Zr:6)
90Zr40 + 2 D* --> 58Fe26 + 36S16 + 30.322 MeV [9.546 MeV] (A_Zr:7)
90Zr40 + 2 D* --> 64Ni28 + 30Si14 + 29.036 MeV [8.261 MeV] (A_Zr:8)
90Zr40 + 2 D* --> 68Zn30 + 26Mg12 + 23.726 MeV [2.950 MeV] (A_Zr:9)
90Zr40 + 2 D* --> 70Zn30 + 24Mg12 + 21.002 MeV [00.227 MeV] (A_Zr:10)
90Zr40 + 2 D* --> 71Ga31 + 23Na11 + 17.174 MeV [-3.601 MeV] (A_Zr:11)
90Zr40 + 2 D* --> 72Ge32 + 22Ne10 + 18.115 MeV [-2.661 MeV] (A_Zr:12)
90Zr40 + 2 D* --> 73Ge32 + 21Ne10 + 14.533 MeV [-6.242 MeV] (A_Zr:13)
90Zr40 + 2 D* --> 74Ge32 + 20Ne10 + 17.969 MeV [-2.807 MeV] (A_Zr:14)
90Zr40 + 2 D* --> 75As33 + 19F9 + 12.024 MeV [-8.752 MeV] (A_Zr:15)
90Zr40 + 2 D* --> 76Se34 + 18O8 + 13.538 MeV [-7.238 MeV] (A_Zr:16)
90Zr40 + 2 D* --> 77Se34 + 17O8 + 12.913 MeV [-7.863 MeV] (A_Zr:17)
90Zr40 + 2 D* --> 78Se34 + 16O8 + 19.267 MeV [-1.508 MeV] (A_Zr:18)
90Zr40 + 2 D* --> 79Br35 + 15N7 + 13.471 MeV [-7.305 MeV] (A_Zr:19)
90Zr40 + 2 D* --> 82Kr36 + 12C6 + 18.094 MeV [-2.682 MeV] (A_Zr:20)
90Zr40 + 2 D* --> 90Zr40 + 4He2 + 23.847 MeV [3.071 MeV] (A_Zr:21)
90Zr40 + 2 D* --> 91Zr40 + 3He2 + 10.463 MeV [-10.312 MeV] (A_Zr:22)
90Zr40 + 2 D* --> 93Nb41 + 1H1 + 17.423 MeV [-3.352 MeV] (A_Zr:23)
90Zr40 + 2 D* --> 94Mo42 + 25.914 MeV [5.138 MeV] (A_Zr:24)

90Zr40 + 3 D* --> 50V23 + 46Ca20 + 42.997 MeV [11.296 MeV] (A_Zr:25)
90Zr40 + 3 D* --> 71Ga31 + 25Mg12 + 33.973 MeV [2.272 MeV] (A_Zr:26)
90Zr40 + 3 D* --> 73Ge32 + 23Na11 + 31.467 MeV [-0.233 MeV] (A_Zr:27)
90Zr40 + 3 D* --> 75As33 + 21Ne10 + 29.404 MeV [-2.296 MeV] (A_Zr:28)
90Zr40 + 3 D* --> 77Se34 + 19F9 + 26.727 MeV [-4.974 MeV] (A_Zr:29)
90Zr40 + 3 D* --> 79Br35 + 17O8 + 27.517 MeV [-4.183 MeV] (A_Zr:30)
90Zr40 + 3 D* --> 82Kr36 + 14N7 + 28.366 MeV [-3.334 MeV] (A_Zr:31)
90Zr40 + 3 D* --> 86Sr38 + 10B5 + 23.113 MeV [-8.588 MeV] (A_Zr:32)
90Zr40 + 3 D* --> 90Zr40 + 6Li3 + 25.320 MeV [-6.380 MeV] (A_Zr:33)
90Zr40 + 3 D* --> 93Nb41 + 3He2 + 22.917 MeV [-8.784 MeV] (A_Zr:34)
90Zr40 + 3 D* --> 94Mo42 + 2H1 + 25.914 MeV [-5.787 MeV] (A_Zr:35)
90Zr40 + 3 D* --> 95Mo42 + 1H1 + 31.058 MeV [-0.642 MeV] (A_Zr:36)

90Zr40 + 4 D* --> 49Ti22 + 49Ti22 + 60.893 MeV [17.916 MeV] (A_Zr:37)
90Zr40 + 4 D* --> 50Ti22 + 48Ti22 + 63.690 MeV [20.713 MeV] (A_Zr:38)
90Zr40 + 4 D* --> 50Cr24 + 48Ca20 + 58.249 MeV [15.272 MeV] (A_Zr:39)
90Zr40 + 4 D* --> 52Cr24 + 46Ca20 + 62.328 MeV [19.350 MeV] (A_Zr:40)
90Zr40 + 4 D* --> 54Cr24 + 44Ca20 + 62.177 MeV [19.199 MeV] (A_Zr:41)
90Zr40 + 4 D* --> 58Fe26 + 40Ar18 + 60.969 MeV [17.992 MeV] (A_Zr:42)
90Zr40 + 4 D* --> 62Ni28 + 36S16 + 61.186 MeV [18.209 MeV] (A_Zr:43)
90Zr40 + 4 D* --> 64Ni28 + 34S16 + 60.807 MeV [17.829 MeV] (A_Zr:44)
90Zr40 + 4 D* --> 68Zn30 + 30Si14 + 58.216 MeV [15.238 MeV] (A_Zr:45)
90Zr40 + 4 D* --> 70Zn30 + 28Si14 + 54.833 MeV [11.856 MeV] (A_Zr:46)
90Zr40 + 4 D* --> 71Ga31 + 27Al13 + 51.113 MeV [8.135 MeV] (A_Zr:47)
90Zr40 + 4 D* --> 72Ge32 + 26Mg12 + 52.576 MeV [9.599 MeV] (A_Zr:48)
90Zr40 + 4 D* --> 73Ge32 + 25Mg12 + 48.266 MeV [5.289 MeV] (A_Zr:49)
90Zr40 + 4 D* --> 74Ge32 + 24Mg12 + 51.132 MeV [8.154 MeV] (A_Zr:50)
90Zr40 + 4 D* --> 75As33 + 23Na11 + 46.338 MeV [3.361 MeV] (A_Zr:51)
90Zr40 + 4 D* --> 76Se34 + 22Ne10 + 47.052 MeV [4.075 MeV] (A_Zr:52)
90Zr40 + 4 D* --> 77Se34 + 21Ne10 + 44.107 MeV [1.130 MeV] (A_Zr:53)
90Zr40 + 4 D* --> 78Se34 + 20Ne10 + 47.844 MeV [4.866 MeV] (A_Zr:54)
90Zr40 + 4 D* --> 79Br35 + 19F9 + 41.332 MeV [-1.646 MeV] (A_Zr:55)
90Zr40 + 4 D* --> 80Kr36 + 18O8 + 42.450 MeV [-0.528 MeV] (A_Zr:56)

90Zr40 + 4 D* --> 82Kr36 + 16O8 + 49.102 MeV [6.125 MeV] (A_Zr:57)
90Zr40 + 4 D* --> 86Sr38 + 12C6 + 48.299 MeV [5.322 MeV] (A_Zr:58)
90Zr40 + 4 D* --> 94Mo42 + 4He2 + 49.760 MeV [6.783 MeV] (A_Zr:59)
90Zr40 + 4 D* --> 95Mo42 + 3He2 + 36.552 MeV [-6.425 MeV] (A_Zr:60)
90Zr40 + 4 D* --> 98Ru44 + 52.000 MeV [9.023 MeV] (A_Zr:61)

90Zr40 + 5 D* --> 50Ti22 + 50V23 + 77.560 MeV [22.958 MeV] (A_Zr:62)
90Zr40 + 5 D* --> 50V23 + 50Ti22 + 77.560 MeV [22.958 MeV] (A_Zr:63)
90Zr40 + 5 D* --> 51V23 + 49Ti22 + 77.672 MeV [23.070 MeV] (A_Zr:64)
90Zr40 + 5 D* --> 71Ga31 + 29Si14 + 68.947 MeV [14.345 MeV] (A_Zr:65)
90Zr40 + 5 D* --> 73Ge32 + 27Al13 + 65.406 MeV [10.804 MeV] (A_Zr:66)
90Zr40 + 5 D* --> 75As33 + 25Mg12 + 63.137 MeV [8.535 MeV] (A_Zr:67)
90Zr40 + 5 D* --> 77Se34 + 23Na11 + 61.041 MeV [6.439 MeV] (A_Zr:68)
90Zr40 + 5 D* --> 79Br35 + 21Ne10 + 58.712 MeV [4.110 MeV] (A_Zr:69)
90Zr40 + 5 D* --> 86Sr38 + 14N7 + 58.572 MeV [3.970 MeV] (A_Zr:70)
90Zr40 + 5 D* --> 90Zr40 + 10B5 + 53.628 MeV [-0.974 MeV] (A_Zr:71)
90Zr40 + 5 D* --> 94Mo42 + 6Li3 + 51.234 MeV [-3.368 MeV] (A_Zr:72)
90Zr40 + 5 D* --> 98Ru44 + 2H1 + 52.000 MeV [-2.602 MeV] (A_Zr:73)
90Zr40 + 5 D* --> 99Ru44 + 1H1 + 57.239 MeV [2.637 MeV] (A_Zr:74)

90Zr40 + 6 D* --> 51V23 + 51V23 + 94.450 MeV [27.879 MeV] (A_Zr:75)
90Zr40 + 6 D* --> 52Cr24 + 50Ti22 + 96.891 MeV [30.320 MeV] (A_Zr:76)
90Zr40 + 6 D* --> 53Cr24 + 49Ti22 + 93.891 MeV [27.320 MeV] (A_Zr:77)
90Zr40 + 6 D* --> 54Cr24 + 48Ti22 + 95.467 MeV [28.897 MeV] (A_Zr:78)
90Zr40 + 6 D* --> 54Fe26 + 48Ca20 + 90.514 MeV [23.943 MeV] (A_Zr:79)
90Zr40 + 6 D* --> 56Fe26 + 46Ca20 + 93.787 MeV [27.217 MeV] (A_Zr:80)
90Zr40 + 6 D* --> 58Fe26 + 44Ca20 + 93.669 MeV [27.098 MeV] (A_Zr:81)
90Zr40 + 6 D* --> 62Ni28 + 40Ar18 + 91.833 MeV [25.262 MeV] (A_Zr:82)
90Zr40 + 6 D* --> 64Ni28 + 38Ar18 + 91.861 MeV [25.290 MeV] (A_Zr:83)
90Zr40 + 6 D* --> 65Cu29 + 37Cl17 + 89.072 MeV [22.502 MeV] (A_Zr:84)
90Zr40 + 6 D* --> 66Zn30 + 36S16 + 89.611 MeV [23.040 MeV] (A_Zr:85)
90Zr40 + 6 D* --> 68Zn30 + 34S16 + 89.986 MeV [23.415 MeV] (A_Zr:86)
90Zr40 + 6 D* --> 70Zn30 + 32S16 + 85.627 MeV [19.057 MeV] (A_Zr:87)
90Zr40 + 6 D* --> 71Ga31 + 31P15 + 84.628 MeV [18.058 MeV] (A_Zr:88)
90Zr40 + 6 D* --> 72Ge32 + 30Si14 + 87.066 MeV [20.495 MeV] (A_Zr:89)
90Zr40 + 6 D* --> 73Ge32 + 29Si14 + 83.240 MeV [16.669 MeV] (A_Zr:90)
90Zr40 + 6 D* --> 74Ge32 + 28Si14 + 84.962 MeV [18.392 MeV] (A_Zr:91)
90Zr40 + 6 D* --> 75As33 + 27Al13 + 80.276 MeV [13.705 MeV] (A_Zr:92)
90Zr40 + 6 D* --> 76Se34 + 26Mg12 + 81.514 MeV [14.943 MeV] (A_Zr:93)
90Zr40 + 6 D* --> 77Se34 + 25Mg12 + 77.839 MeV [11.269 MeV] (A_Zr:94)
90Zr40 + 6 D* --> 78Se34 + 24Mg12 + 81.007 MeV [14.436 MeV] (A_Zr:95)
90Zr40 + 6 D* --> 79Br35 + 23Na11 + 75.645 MeV [9.075 MeV] (A_Zr:96)
90Zr40 + 6 D* --> 80Kr36 + 22Ne10 + 75.964 MeV [9.394 MeV] (A_Zr:97)
90Zr40 + 6 D* --> 82Kr36 + 20Ne10 + 77.679 MeV [11.108 MeV] (A_Zr:98)
90Zr40 + 6 D* --> 84Sr38 + 18O8 + 71.472 MeV [4.902 MeV] (A_Zr:99)
90Zr40 + 6 D* --> 86Sr38 + 16O8 + 79.308 MeV [12.737 MeV] (A_Zr:100)
90Zr40 + 6 D* --> 90Zr40 + 12C6 + 78.814 MeV [12.244 MeV] (A_Zr:101)
90Zr40 + 6 D* --> 98Ru44 + 4He2 + 75.847 MeV [9.276 MeV] (A_Zr:102)
90Zr40 + 6 D* --> 99Ru44 + 3He2 + 62.733 MeV [-3.838 MeV] (A_Zr:103)
90Zr40 + 6 D* --> 102Pd46 + 77.972 MeV [11.401 MeV] (A_Zr:104)

90Zr40 + 7 D* --> 53Cr24 + 51V23 + 110.669 MeV [31.789 MeV] (A_Zr:105)
90Zr40 + 7 D* --> 54Cr24 + 50V23 + 109.337 MeV [30.457 MeV] (A_Zr:106)
90Zr40 + 7 D* --> 55Mn25 + 49Ti22 + 109.452 MeV [30.573 MeV] (A_Zr:107)

90Zr40 + 7 D* --> 64Ni28 + 40K19 + 103.817 MeV [24.938 MeV] (A_Zr:108)
90Zr40 + 7 D* --> 67Zn30 + 37Cl17 + 102.825 MeV [23.945 MeV] (A_Zr:109)
90Zr40 + 7 D* --> 71Ga31 + 33S16 + 99.909 MeV [21.030 MeV] (A_Zr:110)
90Zr40 + 7 D* --> 73Ge32 + 31P15 + 98.921 MeV [20.042 MeV] (A_Zr:111)
90Zr40 + 7 D* --> 75As33 + 29Si14 + 98.110 MeV [19.231 MeV] (A_Zr:112)
90Zr40 + 7 D* --> 77Se34 + 27Al13 + 94.979 MeV [16.100 MeV] (A_Zr:113)
90Zr40 + 7 D* --> 79Br35 + 25Mg12 + 92.444 MeV [13.565 MeV] (A_Zr:114)
90Zr40 + 7 D* --> 90Zr40 + 14N7 + 89.087 MeV [10.207 MeV] (A_Zr:115)
90Zr40 + 7 D* --> 94Mo42 + 10B5 + 79.542 MeV [00.662 MeV] (A_Zr:116)
90Zr40 + 7 D* --> 98Ru44 + 6Li3 + 77.320 MeV [-1.559 MeV] (A_Zr:117)
90Zr40 + 7 D* --> 102Pd46 + 2H1 + 77.972 MeV [-0.907 MeV] (A_Zr:118)

90Zr40 + 8 D* --> 53Cr24 + 53Cr24 + 126.888 MeV [35.363 MeV] (A_Zr:119)
90Zr40 + 8 D* --> 54Cr24 + 52Cr24 + 128.668 MeV [37.143 MeV] (A_Zr:120)
90Zr40 + 8 D* --> 55Mn25 + 51V23 + 126.230 MeV [34.706 MeV] (A_Zr:121)
90Zr40 + 8 D* --> 56Fe26 + 50Ti22 + 128.351 MeV [36.826 MeV] (A_Zr:122)
90Zr40 + 8 D* --> 57Fe26 + 49Ti22 + 125.057 MeV [33.533 MeV] (A_Zr:123)
90Zr40 + 8 D* --> 58Fe26 + 48Ti22 + 126.960 MeV [35.435 MeV] (A_Zr:124)
90Zr40 + 8 D* --> 58Ni28 + 48Ca20 + 120.760 MeV [29.236 MeV] (A_Zr:125)
90Zr40 + 8 D* --> 60Ni28 + 46Ca20 + 123.926 MeV [32.401 MeV] (A_Zr:126)
90Zr40 + 8 D* --> 62Ni28 + 44Ca20 + 124.533 MeV [33.008 MeV] (A_Zr:127)
90Zr40 + 8 D* --> 64Ni28 + 42Ca20 + 121.965 MeV [30.440 MeV] (A_Zr:128)
90Zr40 + 8 D* --> 65Cu29 + 41K19 + 119.141 MeV [27.617 MeV] (A_Zr:129)
90Zr40 + 8 D* --> 66Zn30 + 40Ar18 + 120.258 MeV [28.733 MeV] (A_Zr:130)
90Zr40 + 8 D* --> 68Zn30 + 38Ar18 + 121.040 MeV [29.516 MeV] (A_Zr:131)
90Zr40 + 8 D* --> 70Zn30 + 36Ar18 + 116.115 MeV [24.590 MeV] (A_Zr:132)
90Zr40 + 8 D* --> 69Ga31 + 37Cl17 + 117.408 MeV [25.883 MeV] (A_Zr:133)
90Zr40 + 8 D* --> 71Ga31 + 35Cl17 + 115.472 MeV [23.948 MeV] (A_Zr:134)
90Zr40 + 8 D* --> 70Ge32 + 36S16 + 117.546 MeV [26.021 MeV] (A_Zr:135)
90Zr40 + 8 D* --> 72Ge32 + 34S16 + 118.836 MeV [27.311 MeV] (A_Zr:136)
90Zr40 + 8 D* --> 73Ge32 + 33S16 + 114.202 MeV [22.677 MeV] (A_Zr:137)
90Zr40 + 8 D* --> 74Ge32 + 32S16 + 115.757 MeV [24.232 MeV] (A_Zr:138)
90Zr40 + 8 D* --> 75As33 + 31P15 + 113.792 MeV [22.267 MeV] (A_Zr:139)
90Zr40 + 8 D* --> 76Se34 + 30Si14 + 116.003 MeV [24.479 MeV] (A_Zr:140)
90Zr40 + 8 D* --> 77Se34 + 29Si14 + 112.813 MeV [21.288 MeV] (A_Zr:141)
90Zr40 + 8 D* --> 78Se34 + 28Si14 + 114.837 MeV [23.313 MeV] (A_Zr:142)
90Zr40 + 8 D* --> 79Br35 + 27Al13 + 109.584 MeV [18.059 MeV] (A_Zr:143)
90Zr40 + 8 D* --> 80Kr36 + 26Mg12 + 110.426 MeV [18.901 MeV] (A_Zr:144)
90Zr40 + 8 D* --> 82Kr36 + 24Mg12 + 110.842 MeV [19.317 MeV] (A_Zr:145)
90Zr40 + 8 D* --> 84Sr38 + 22Ne10 + 104.987 MeV [13.462 MeV] (A_Zr:146)
90Zr40 + 8 D* --> 86Sr38 + 20Ne10 + 107.884 MeV [16.359 MeV] (A_Zr:147)
90Zr40 + 8 D* --> 90Zr40 + 16O8 + 109.823 MeV [18.298 MeV] (A_Zr:148)
90Zr40 + 8 D* --> 94Mo42 + 12C6 + 104.728 MeV [13.204 MeV] (A_Zr:149)
90Zr40 + 8 D* --> 102Pd46 + 4He2 + 101.819 MeV [10.294 MeV] (A_Zr:150)
90Zr40 + 8 D* --> 106Cd48 + 103.451 MeV [11.926 MeV] (A_Zr:151)

90Zr40 + 9 D* --> 55Mn25 + 53Cr24 + 142.450 MeV [37.947 MeV] (A_Zr:152)
90Zr40 + 9 D* --> 57Fe26 + 51V23 + 141.836 MeV [37.333 MeV] (A_Zr:153)
90Zr40 + 9 D* --> 58Fe26 + 50V23 + 140.829 MeV [36.326 MeV] (A_Zr:154)
90Zr40 + 9 D* --> 59Co27 + 49Ti22 + 140.241 MeV [35.739 MeV] (A_Zr:155)
90Zr40 + 9 D* --> 65Cu29 + 43Ca20 + 135.127 MeV [30.624 MeV] (A_Zr:156)
90Zr40 + 9 D* --> 67Zn30 + 41K19 + 132.894 MeV [28.391 MeV] (A_Zr:157)
90Zr40 + 9 D* --> 68Zn30 + 40K19 + 132.997 MeV [28.494 MeV] (A_Zr:158)
90Zr40 + 9 D* --> 73Ge32 + 35Cl17 + 129.765 MeV [25.262 MeV] (A_Zr:159)

90Zr40 + 9 D* --> 75As33 + 33S16 + 129.073 MeV [24.570 MeV] (A_Zr:160)
90Zr40 + 9 D* --> 77Se34 + 31P15 + 128.495 MeV [23.992 MeV] (A_Zr:161)
90Zr40 + 9 D* --> 79Br35 + 29Si14 + 127.418 MeV [22.915 MeV] (A_Zr:162)
90Zr40 + 9 D* --> 94Mo42 + 14N7 + 115.001 MeV [10.498 MeV] (A_Zr:163)
90Zr40 + 9 D* --> 98Ru44 + 10B5 + 105.628 MeV [1.125 MeV] (A_Zr:164)
90Zr40 + 9 D* --> 102Pd46 + 6Li3 + 103.293 MeV [-1.210 MeV] (A_Zr:165)
90Zr40 + 9 D* --> 106Cd48 + 2H1 + 103.451 MeV [-1.052 MeV] (A_Zr:166)

90Zr40 + 10 D* --> 55Mn25 + 55Mn25 + 158.011 MeV [40.201 MeV] (A_Zr:167)
90Zr40 + 10 D* --> 56Fe26 + 54Cr24 + 160.128 MeV [42.317 MeV] (A_Zr:168)
90Zr40 + 10 D* --> 57Fe26 + 53Cr24 + 158.055 MeV [40.244 MeV] (A_Zr:169)
90Zr40 + 10 D* --> 58Fe26 + 52Cr24 + 160.160 MeV [42.350 MeV] (A_Zr:170)
90Zr40 + 10 D* --> 59Co27 + 51V23 + 157.020 MeV [39.209 MeV] (A_Zr:171)
90Zr40 + 10 D* --> 60Ni28 + 50Ti22 + 158.489 MeV [40.678 MeV] (A_Zr:172)
90Zr40 + 10 D* --> 61Ni28 + 49Ti22 + 155.370 MeV [37.559 MeV] (A_Zr:173)
90Zr40 + 10 D* --> 62Ni28 + 48Ti22 + 157.824 MeV [40.013 MeV] (A_Zr:174)
90Zr40 + 10 D* --> 64Ni28 + 46Ti22 + 153.813 MeV [36.002 MeV] (A_Zr:175)
90Zr40 + 10 D* --> 65Cu29 + 45Sc21 + 150.921 MeV [33.111 MeV] (A_Zr:176)
90Zr40 + 10 D* --> 64Zn30 + 46Ca20 + 151.729 MeV [33.918 MeV] (A_Zr:177)
90Zr40 + 10 D* --> 66Zn30 + 44Ca20 + 152.958 MeV [35.147 MeV] (A_Zr:178)
90Zr40 + 10 D* --> 67Zn30 + 43Ca20 + 148.879 MeV [31.068 MeV] (A_Zr:179)
90Zr40 + 10 D* --> 68Zn30 + 42Ca20 + 151.144 MeV [33.334 MeV] (A_Zr:180)
90Zr40 + 10 D* --> 70Zn30 + 40Ca20 + 147.001 MeV [29.190 MeV] (A_Zr:181)
90Zr40 + 10 D* --> 69Ga31 + 41K19 + 147.477 MeV [29.666 MeV] (A_Zr:182)
90Zr40 + 10 D* --> 71Ga31 + 39K19 + 146.537 MeV [28.727 MeV] (A_Zr:183)
90Zr40 + 10 D* --> 70Ge32 + 40Ar18 + 148.193 MeV [30.382 MeV] (A_Zr:184)
90Zr40 + 10 D* --> 72Ge32 + 38Ar18 + 149.890 MeV [32.080 MeV] (A_Zr:185)
90Zr40 + 10 D* --> 74Ge32 + 36Ar18 + 146.244 MeV [28.433 MeV] (A_Zr:186)
90Zr40 + 10 D* --> 75As33 + 35Cl17 + 144.636 MeV [26.825 MeV] (A_Zr:187)
90Zr40 + 10 D* --> 74Se34 + 36S16 + 145.467 MeV [27.656 MeV] (A_Zr:188)
90Zr40 + 10 D* --> 76Se34 + 34S16 + 147.774 MeV [29.963 MeV] (A_Zr:189)
90Zr40 + 10 D* --> 77Se34 + 33S16 + 143.776 MeV [25.965 MeV] (A_Zr:190)
90Zr40 + 10 D* --> 78Se34 + 32S16 + 145.632 MeV [27.821 MeV] (A_Zr:191)
90Zr40 + 10 D* --> 79Br35 + 31P15 + 143.099 MeV [25.289 MeV] (A_Zr:192)
90Zr40 + 10 D* --> 80Kr36 + 30Si14 + 144.915 MeV [27.105 MeV] (A_Zr:193)
90Zr40 + 10 D* --> 82Kr36 + 28Si14 + 144.672 MeV [26.862 MeV] (A_Zr:194)
90Zr40 + 10 D* --> 84Sr38 + 26Mg12 + 139.448 MeV [21.638 MeV] (A_Zr:195)
90Zr40 + 10 D* --> 86Sr38 + 24Mg12 + 141.047 MeV [23.237 MeV] (A_Zr:196)
90Zr40 + 10 D* --> 90Zr40 + 20Ne10 + 138.399 MeV [20.589 MeV] (A_Zr:197)
90Zr40 + 10 D* --> 92Mo42 + 18O8 + 130.176 MeV [12.366 MeV] (A_Zr:198)
90Zr40 + 10 D* --> 94Mo42 + 16O8 + 135.737 MeV [17.926 MeV] (A_Zr:199)
90Zr40 + 10 D* --> 98Ru44 + 12C6 + 130.814 MeV [13.004 MeV] (A_Zr:200)
90Zr40 + 10 D* --> 106Cd48 + 4He2 + 127.298 MeV [9.487 MeV] (A_Zr:201)

90Zr40 + 11 D* --> 57Fe26 + 55Mn25 + 173.616 MeV [42.172 MeV] (A_Zr:202)
90Zr40 + 11 D* --> 59Co27 + 53Cr24 + 173.239 MeV [41.794 MeV] (A_Zr:203)
90Zr40 + 11 D* --> 61Ni28 + 51V23 + 172.148 MeV [40.703 MeV] (A_Zr:204)
90Zr40 + 11 D* --> 62Ni28 + 50V23 + 171.693 MeV [40.249 MeV] (A_Zr:205)
90Zr40 + 11 D* --> 63Cu29 + 49Ti22 + 169.864 MeV [38.419 MeV] (A_Zr:206)
90Zr40 + 11 D* --> 65Cu29 + 47Ti22 + 167.922 MeV [36.477 MeV] (A_Zr:207)
90Zr40 + 11 D* --> 67Zn30 + 45Sc21 + 164.674 MeV [33.229 MeV] (A_Zr:208)
90Zr40 + 11 D* --> 69Ga31 + 43Ca20 + 163.462 MeV [32.018 MeV] (A_Zr:209)
90Zr40 + 11 D* --> 72Ge32 + 40K19 + 161.847 MeV [30.402 MeV] (A_Zr:210)
90Zr40 + 11 D* --> 73Ge32 + 39K19 + 160.830 MeV [29.386 MeV] (A_Zr:211)

90Zr40 + 11 D* --> 77Se34 + 35Cl17 + 159.339 MeV [27.894 MeV] (A_Zr:212)
90Zr40 + 11 D* --> 79Br35 + 33S16 + 158.380 MeV [26.936 MeV] (A_Zr:213)
90Zr40 + 11 D* --> 98Ru44 + 14N7 + 141.087 MeV [9.642 MeV] (A_Zr:214)
90Zr40 + 11 D* --> 102Pd46 + 10B5 + 131.600 MeV [00.155 MeV] (A_Zr:215)
90Zr40 + 11 D* --> 106Cd48 + 6Li3 + 128.771 MeV [-2.673 MeV] (A_Zr:216)

90Zr40 + 12 D* --> 57Fe26 + 57Fe26 + 189.222 MeV [43.820 MeV] (A_Zr:217)
90Zr40 + 12 D* --> 58Fe26 + 56Fe26 + 191.620 MeV [46.219 MeV] (A_Zr:218)
90Zr40 + 12 D* --> 59Co27 + 55Mn25 + 188.800 MeV [43.399 MeV] (A_Zr:219)
90Zr40 + 12 D* --> 60Ni28 + 54Cr24 + 190.266 MeV [44.865 MeV] (A_Zr:220)
90Zr40 + 12 D* --> 61Ni28 + 53Cr24 + 188.367 MeV [42.966 MeV] (A_Zr:221)
90Zr40 + 12 D* --> 62Ni28 + 52Cr24 + 191.024 MeV [45.623 MeV] (A_Zr:222)
90Zr40 + 12 D* --> 64Ni28 + 50Cr24 + 186.220 MeV [40.819 MeV] (A_Zr:223)
90Zr40 + 12 D* --> 63Cu29 + 51V23 + 186.642 MeV [41.241 MeV] (A_Zr:224)
90Zr40 + 12 D* --> 64Zn30 + 50Ti22 + 186.292 MeV [40.890 MeV] (A_Zr:225)
90Zr40 + 12 D* --> 66Zn30 + 48Ti22 + 186.249 MeV [40.847 MeV] (A_Zr:226)
90Zr40 + 12 D* --> 67Zn30 + 47Ti22 + 181.674 MeV [36.273 MeV] (A_Zr:227)
90Zr40 + 12 D* --> 68Zn30 + 46Ti22 + 182.992 MeV [37.591 MeV] (A_Zr:228)
90Zr40 + 12 D* --> 69Ga31 + 45Sc21 + 179.257 MeV [33.855 MeV] (A_Zr:229)
90Zr40 + 12 D* --> 70Ge32 + 44Ca20 + 180.893 MeV [35.491 MeV] (A_Zr:230)
90Zr40 + 12 D* --> 72Ge32 + 42Ca20 + 179.994 MeV [34.593 MeV] (A_Zr:231)
90Zr40 + 12 D* --> 74Ge32 + 40Ca20 + 177.130 MeV [31.729 MeV] (A_Zr:232)
90Zr40 + 12 D* --> 75As33 + 39K19 + 175.701 MeV [30.299 MeV] (A_Zr:233)
90Zr40 + 12 D* --> 74Se34 + 40Ar18 + 176.114 MeV [30.713 MeV] (A_Zr:234)
90Zr40 + 12 D* --> 76Se34 + 38Ar18 + 178.828 MeV [33.426 MeV] (A_Zr:235)
90Zr40 + 12 D* --> 78Se34 + 36Ar18 + 176.119 MeV [30.718 MeV] (A_Zr:236)
90Zr40 + 12 D* --> 79Br35 + 35Cl17 + 173.943 MeV [28.542 MeV] (A_Zr:237)
90Zr40 + 12 D* --> 78Kr36 + 36S16 + 173.705 MeV [28.304 MeV] (A_Zr:238)
90Zr40 + 12 D* --> 80Kr36 + 34S16 + 176.686 MeV [31.284 MeV] (A_Zr:239)
90Zr40 + 12 D* --> 82Kr36 + 32S16 + 175.467 MeV [30.065 MeV] (A_Zr:240)
90Zr40 + 12 D* --> 84Sr38 + 30Si14 + 173.938 MeV [28.537 MeV] (A_Zr:241)
90Zr40 + 12 D* --> 86Sr38 + 28Si14 + 174.878 MeV [29.476 MeV] (A_Zr:242)
90Zr40 + 12 D* --> 90Zr40 + 24Mg12 + 171.562 MeV [26.161 MeV] (A_Zr:243)
90Zr40 + 12 D* --> 92Mo42 + 22Ne10 + 163.691 MeV [18.290 MeV] (A_Zr:244)
90Zr40 + 12 D* --> 94Mo42 + 20Ne10 + 164.313 MeV [18.912 MeV] (A_Zr:245)
90Zr40 + 12 D* --> 96Ru44 + 18O8 + 155.715 MeV [10.313 MeV] (A_Zr:246)
90Zr40 + 12 D* --> 98Ru44 + 16O8 + 161.823 MeV [16.421 MeV] (A_Zr:247)
90Zr40 + 12 D* --> 102Pd46 + 12C6 + 156.786 MeV [11.385 MeV] (A_Zr:248)

91Zr40 + D* --> 48Ca20 + 45Sc21 + 10.527 MeV [00.357 MeV] (A_Zr:249)
91Zr40 + D* --> 70Zn30 + 23Na11 + 4.340 MeV [-5.831 MeV] (A_Zr:250)
91Zr40 + D* --> 71Ga31 + 22Ne10 + 3.410 MeV [-6.760 MeV] (A_Zr:251)
91Zr40 + D* --> 74Ge32 + 19F9 + 00.155 MeV [-10.016 MeV] (A_Zr:252)
91Zr40 + D* --> 78Se34 + 15N7 + 2.170 MeV [-8.001 MeV] (A_Zr:253)
91Zr40 + D* --> 81Br35 + 12C6 + 3.220 MeV [-6.951 MeV] (A_Zr:254)
91Zr40 + D* --> 89Y39 + 4He2 + 10.522 MeV [00.351 MeV] (A_Zr:255)
91Zr40 + D* --> 92Zr40 + 1H1 + 6.410 MeV [-3.760 MeV] (A_Zr:256)
91Zr40 + D* --> 93Nb41 + 12.454 MeV [2.283 MeV] (A_Zr:257)

91Zr40 + 2 D* --> 48Ca20 + 47Ti22 + 27.528 MeV [6.825 MeV] (A_Zr:258)
91Zr40 + 2 D* --> 49Ti22 + 46Ca20 + 30.075 MeV [9.372 MeV] (A_Zr:259)
91Zr40 + 2 D* --> 70Zn30 + 25Mg12 + 21.139 MeV [00.436 MeV] (A_Zr:260)
91Zr40 + 2 D* --> 73Ge32 + 22Ne10 + 17.703 MeV [-2.999 MeV] (A_Zr:261)
91Zr40 + 2 D* --> 74Ge32 + 21Ne10 + 17.535 MeV [-3.167 MeV] (A_Zr:262)

91Zr40 + 2 D* --> 77Se34 + 18O8 + 13.762 MeV [-6.940 MeV] (A_Zr:263)
91Zr40 + 2 D* --> 78Se34 + 17O8 + 16.216 MeV [-4.487 MeV] (A_Zr:264)
91Zr40 + 2 D* --> 81Br35 + 14N7 + 13.492 MeV [-7.210 MeV] (A_Zr:265)
91Zr40 + 2 D* --> 82Kr36 + 13C6 + 15.846 MeV [-4.857 MeV] (A_Zr:266)
91Zr40 + 2 D* --> 83Kr36 + 12C6 + 18.363 MeV [-2.340 MeV] (A_Zr:267)
91Zr40 + 2 D* --> 85Rb37 + 10B5 + 8.498 MeV [-12.205 MeV] (A_Zr:268)
91Zr40 + 2 D* --> 86Sr38 + 9Be4 + 11.557 MeV [-9.146 MeV] (A_Zr:269)
91Zr40 + 2 D* --> 89Y39 + 6Li3 + 11.996 MeV [-8.707 MeV] (A_Zr:270)
91Zr40 + 2 D* --> 91Zr40 + 4He2 + 23.847 MeV [3.144 MeV] (A_Zr:271)
91Zr40 + 2 D* --> 92Zr40 + 3He2 + 11.904 MeV [-8.799 MeV] (A_Zr:272)
91Zr40 + 2 D* --> 93Nb41 + 2H1 + 12.454 MeV [-8.249 MeV] (A_Zr:273)
91Zr40 + 2 D* --> 95Mo42 + 26.089 MeV [5.386 MeV] (A_Zr:274)

91Zr40 + 3 D* --> 51V23 + 46Ca20 + 46.853 MeV [15.262 MeV] (A_Zr:275)
91Zr40 + 3 D* --> 70Zn30 + 27Al13 + 38.278 MeV [6.687 MeV] (A_Zr:276)
91Zr40 + 3 D* --> 71Ga31 + 26Mg12 + 37.872 MeV [6.280 MeV] (A_Zr:277)
91Zr40 + 3 D* --> 74Ge32 + 23Na11 + 34.469 MeV [2.878 MeV] (A_Zr:278)
91Zr40 + 3 D* --> 75As33 + 22Ne10 + 32.574 MeV [00.983 MeV] (A_Zr:279)
91Zr40 + 3 D* --> 78Se34 + 19F9 + 30.030 MeV [-1.561 MeV] (A_Zr:280)
91Zr40 + 3 D* --> 79Br35 + 18O8 + 28.367 MeV [-3.224 MeV] (A_Zr:281)
91Zr40 + 3 D* --> 81Br35 + 16O8 + 34.229 MeV [2.637 MeV] (A_Zr:282)
91Zr40 + 3 D* --> 82Kr36 + 15N7 + 32.005 MeV [00.414 MeV] (A_Zr:283)
91Zr40 + 3 D* --> 83Kr36 + 14N7 + 28.635 MeV [-2.956 MeV] (A_Zr:284)
91Zr40 + 3 D* --> 85Rb37 + 12C6 + 33.684 MeV [2.093 MeV] (A_Zr:285)
91Zr40 + 3 D* --> 86Sr38 + 11B5 + 27.372 MeV [-4.219 MeV] (A_Zr:286)
91Zr40 + 3 D* --> 87Sr38 + 10B5 + 24.346 MeV [-7.245 MeV] (A_Zr:287)
91Zr40 + 3 D* --> 90Zr40 + 7Li3 + 25.376 MeV [-6.215 MeV] (A_Zr:288)
91Zr40 + 3 D* --> 91Zr40 + 6Li3 + 25.320 MeV [-6.271 MeV] (A_Zr:289)
91Zr40 + 3 D* --> 93Nb41 + 4He2 + 36.300 MeV [4.709 MeV] (A_Zr:290)
91Zr40 + 3 D* --> 95Mo42 + 2H1 + 26.089 MeV [-5.503 MeV] (A_Zr:291)
91Zr40 + 3 D* --> 96Mo42 + 1H1 + 33.018 MeV [1.427 MeV] (A_Zr:292)

91Zr40 + 4 D* --> 50Ti22 + 49Ti22 + 64.638 MeV [21.806 MeV] (A_Zr:293)
91Zr40 + 4 D* --> 53Cr24 + 46Ca20 + 63.072 MeV [20.240 MeV] (A_Zr:294)
91Zr40 + 4 D* --> 70Zn30 + 29Si14 + 56.112 MeV [13.280 MeV] (A_Zr:295)
91Zr40 + 4 D* --> 73Ge32 + 26Mg12 + 52.165 MeV [9.333 MeV] (A_Zr:296)
91Zr40 + 4 D* --> 74Ge32 + 25Mg12 + 51.268 MeV [8.436 MeV] (A_Zr:297)
91Zr40 + 4 D* --> 77Se34 + 22Ne10 + 47.277 MeV [4.445 MeV] (A_Zr:298)
91Zr40 + 4 D* --> 78Se34 + 21Ne10 + 47.410 MeV [4.578 MeV] (A_Zr:299)
91Zr40 + 4 D* --> 82Kr36 + 17O8 + 46.051 MeV [3.219 MeV] (A_Zr:300)
91Zr40 + 4 D* --> 83Kr36 + 16O8 + 49.371 MeV [6.539 MeV] (A_Zr:301)
91Zr40 + 4 D* --> 85Rb37 + 14N7 + 43.956 MeV [1.124 MeV] (A_Zr:302)
91Zr40 + 4 D* --> 86Sr38 + 13C6 + 46.051 MeV [3.219 MeV] (A_Zr:303)
91Zr40 + 4 D* --> 87Sr38 + 12C6 + 49.533 MeV [6.701 MeV] (A_Zr:304)
91Zr40 + 4 D* --> 89Y39 + 10B5 + 40.304 MeV [-2.529 MeV] (A_Zr:305)
91Zr40 + 4 D* --> 90Zr40 + 9Be4 + 42.072 MeV [-0.760 MeV] (A_Zr:306)
91Zr40 + 4 D* --> 93Nb41 + 6Li3 + 37.774 MeV [-5.058 MeV] (A_Zr:307)
91Zr40 + 4 D* --> 95Mo42 + 4He2 + 49.935 MeV [7.103 MeV] (A_Zr:308)
91Zr40 + 4 D* --> 96Mo42 + 3He2 + 38.512 MeV [-4.320 MeV] (A_Zr:309)
91Zr40 + 4 D* --> 99Ru44 + 52.269 MeV [9.437 MeV] (A_Zr:310)

91Zr40 + 5 D* --> 51V23 + 50Ti22 + 81.416 MeV [26.995 MeV] (A_Zr:311)
91Zr40 + 5 D* --> 55Mn25 + 46Ca20 + 78.634 MeV [24.213 MeV] (A_Zr:312)
91Zr40 + 5 D* --> 64Ni28 + 37Cl17 + 76.649 MeV [22.228 MeV] (A_Zr:313)

91Zr40 + 5 D* --> 65Cu29 + 36S16 + 75.716 MeV [21.295 MeV] (A_Zr:314)
91Zr40 + 5 D* --> 70Zn30 + 31P15 + 71.794 MeV [17.373 MeV] (A_Zr:315)
91Zr40 + 5 D* --> 71Ga31 + 30Si14 + 72.361 MeV [17.940 MeV] (A_Zr:316)
91Zr40 + 5 D* --> 74Ge32 + 27Al13 + 68.407 MeV [13.986 MeV] (A_Zr:317)
91Zr40 + 5 D* --> 75As33 + 26Mg12 + 67.035 MeV [12.614 MeV] (A_Zr:318)
91Zr40 + 5 D* --> 78Se34 + 23Na11 + 64.344 MeV [9.923 MeV] (A_Zr:319)
91Zr40 + 5 D* --> 79Br35 + 22Ne10 + 61.881 MeV [7.460 MeV] (A_Zr:320)
91Zr40 + 5 D* --> 81Br35 + 20Ne10 + 62.805 MeV [8.384 MeV] (A_Zr:321)
91Zr40 + 5 D* --> 82Kr36 + 19F9 + 59.865 MeV [5.444 MeV] (A_Zr:322)
91Zr40 + 5 D* --> 85Rb37 + 16O8 + 64.693 MeV [10.271 MeV] (A_Zr:323)
91Zr40 + 5 D* --> 86Sr38 + 15N7 + 62.210 MeV [7.789 MeV] (A_Zr:324)
91Zr40 + 5 D* --> 87Sr38 + 14N7 + 59.805 MeV [5.384 MeV] (A_Zr:325)
91Zr40 + 5 D* --> 89Y39 + 12C6 + 65.490 MeV [11.069 MeV] (A_Zr:326)
91Zr40 + 5 D* --> 90Zr40 + 11B5 + 57.888 MeV [3.466 MeV] (A_Zr:327)
91Zr40 + 5 D* --> 91Zr40 + 10B5 + 53.628 MeV [-0.793 MeV] (A_Zr:328)
91Zr40 + 5 D* --> 94Mo42 + 7Li3 + 51.290 MeV [-3.131 MeV] (A_Zr:329)
91Zr40 + 5 D* --> 95Mo42 + 6Li3 + 51.409 MeV [-3.012 MeV] (A_Zr:330)
91Zr40 + 5 D* --> 99Ru44 + 2H1 + 52.269 MeV [-2.152 MeV] (A_Zr:331)
91Zr40 + 5 D* --> 100Ru44 + 1H1 + 59.718 MeV [5.297 MeV] (A_Zr:332)

91Zr40 + 6 D* --> 53Cr24 + 50Ti22 + 97.635 MeV [31.281 MeV] (A_Zr:333)
91Zr40 + 6 D* --> 54Cr24 + 49Ti22 + 96.415 MeV [30.061 MeV] (A_Zr:334)
91Zr40 + 6 D* --> 57Fe26 + 46Ca20 + 94.239 MeV [27.885 MeV] (A_Zr:335)
91Zr40 + 6 D* --> 67Zn30 + 36S16 + 89.468 MeV [23.114 MeV] (A_Zr:336)
91Zr40 + 6 D* --> 70Zn30 + 33S16 + 87.075 MeV [20.720 MeV] (A_Zr:337)
91Zr40 + 6 D* --> 73Ge32 + 30Si14 + 86.654 MeV [20.300 MeV] (A_Zr:338)
91Zr40 + 6 D* --> 74Ge32 + 29Si14 + 86.241 MeV [19.887 MeV] (A_Zr:339)
91Zr40 + 6 D* --> 77Se34 + 26Mg12 + 81.738 MeV [15.384 MeV] (A_Zr:340)
91Zr40 + 6 D* --> 78Se34 + 25Mg12 + 81.143 MeV [14.788 MeV] (A_Zr:341)
91Zr40 + 6 D* --> 82Kr36 + 21Ne10 + 77.245 MeV [10.891 MeV] (A_Zr:342)
91Zr40 + 6 D* --> 83Kr36 + 20Ne10 + 77.948 MeV [11.593 MeV] (A_Zr:343)
91Zr40 + 6 D* --> 86Sr38 + 17O8 + 76.256 MeV [9.902 MeV] (A_Zr:344)
91Zr40 + 6 D* --> 87Sr38 + 16O8 + 80.541 MeV [14.187 MeV] (A_Zr:345)
91Zr40 + 6 D* --> 89Y39 + 14N7 + 75.762 MeV [9.408 MeV] (A_Zr:346)
91Zr40 + 6 D* --> 90Zr40 + 13C6 + 76.566 MeV [10.212 MeV] (A_Zr:347)
91Zr40 + 6 D* --> 91Zr40 + 12C6 + 78.814 MeV [12.460 MeV] (A_Zr:348)
91Zr40 + 6 D* --> 93Nb41 + 10B5 + 66.081 MeV [-0.273 MeV] (A_Zr:349)
91Zr40 + 6 D* --> 94Mo42 + 9Be4 + 67.986 MeV [1.631 MeV] (A_Zr:350)
91Zr40 + 6 D* --> 99Ru44 + 4He2 + 76.116 MeV [9.761 MeV] (A_Zr:351)
91Zr40 + 6 D* --> 100Ru44 + 3He2 + 65.212 MeV [-1.143 MeV] (A_Zr:352)

91Zr40 + 7 D* --> 54Cr24 + 51V23 + 113.194 MeV [34.565 MeV] (A_Zr:353)
91Zr40 + 7 D* --> 55Mn25 + 50Ti22 + 113.197 MeV [34.569 MeV] (A_Zr:354)
91Zr40 + 7 D* --> 59Co27 + 46Ca20 + 109.423 MeV [30.795 MeV] (A_Zr:355)
91Zr40 + 7 D* --> 64Ni28 + 41K19 + 106.718 MeV [28.090 MeV] (A_Zr:356)
91Zr40 + 7 D* --> 65Cu29 + 40Ar18 + 106.363 MeV [27.735 MeV] (A_Zr:357)
91Zr40 + 7 D* --> 68Zn30 + 37Cl17 + 105.828 MeV [27.200 MeV] (A_Zr:358)
91Zr40 + 7 D* --> 70Zn30 + 35Cl17 + 102.638 MeV [24.010 MeV] (A_Zr:359)
91Zr40 + 7 D* --> 69Ga31 + 36S16 + 104.051 MeV [25.423 MeV] (A_Zr:360)
91Zr40 + 7 D* --> 71Ga31 + 34S16 + 104.132 MeV [25.503 MeV] (A_Zr:361)
91Zr40 + 7 D* --> 74Ge32 + 31P15 + 101.923 MeV [23.295 MeV] (A_Zr:362)
91Zr40 + 7 D* --> 75As33 + 30Si14 + 101.525 MeV [22.897 MeV] (A_Zr:363)
91Zr40 + 7 D* --> 78Se34 + 27Al13 + 98.282 MeV [19.654 MeV] (A_Zr:364)
91Zr40 + 7 D* --> 79Br35 + 26Mg12 + 96.343 MeV [17.715 MeV] (A_Zr:365)

91Zr40 + 7 D* --> 81Br35 + 24Mg12 + 95.968 MeV [17.340 MeV] (A_Zr:366)
91Zr40 + 7 D* --> 82Kr36 + 23Na11 + 94.179 MeV [15.551 MeV] (A_Zr:367)
91Zr40 + 7 D* --> 85Rb37 + 20Ne10 + 93.269 MeV [14.641 MeV] (A_Zr:368)
91Zr40 + 7 D* --> 86Sr38 + 19F9 + 90.071 MeV [11.442 MeV] (A_Zr:369)
91Zr40 + 7 D* --> 89Y39 + 16O8 + 96.498 MeV [17.870 MeV] (A_Zr:370)
91Zr40 + 7 D* --> 90Zr40 + 15N7 + 92.725 MeV [14.097 MeV] (A_Zr:371)
91Zr40 + 7 D* --> 91Zr40 + 14N7 + 89.087 MeV [10.458 MeV] (A_Zr:372)
91Zr40 + 7 D* --> 93Nb41 + 12C6 + 91.268 MeV [12.640 MeV] (A_Zr:373)
91Zr40 + 7 D* --> 94Mo42 + 11B5 + 83.801 MeV [5.173 MeV] (A_Zr:374)
91Zr40 + 7 D* --> 95Mo42 + 10B5 + 79.716 MeV [1.088 MeV] (A_Zr:375)
91Zr40 + 7 D* --> 98Ru44 + 7Li3 + 77.376 MeV [-1.252 MeV] (A_Zr:376)
91Zr40 + 7 D* --> 99Ru44 + 6Li3 + 77.590 MeV [-1.038 MeV] (A_Zr:377)
91Zr40 + 7 D* --> 104Pd46 + 1H1 + 86.161 MeV [7.532 MeV] (A_Zr:378)

91Zr40 + 8 D* --> 54Cr24 + 53Cr24 + 129.413 MeV [38.174 MeV] (A_Zr:379)
91Zr40 + 8 D* --> 57Fe26 + 50Ti22 + 128.802 MeV [37.563 MeV] (A_Zr:380)
91Zr40 + 8 D* --> 58Fe26 + 49Ti22 + 127.908 MeV [36.669 MeV] (A_Zr:381)
91Zr40 + 8 D* --> 61Ni28 + 46Ca20 + 124.551 MeV [33.313 MeV] (A_Zr:382)
91Zr40 + 8 D* --> 64Ni28 + 43Ca20 + 122.703 MeV [31.465 MeV] (A_Zr:383)
91Zr40 + 8 D* --> 67Zn30 + 40Ar18 + 120.116 MeV [28.877 MeV] (A_Zr:384)
91Zr40 + 8 D* --> 73Ge32 + 34S16 + 118.425 MeV [27.186 MeV] (A_Zr:385)
91Zr40 + 8 D* --> 74Ge32 + 33S16 + 117.204 MeV [25.965 MeV] (A_Zr:386)
91Zr40 + 8 D* --> 77Se34 + 30Si14 + 116.228 MeV [24.989 MeV] (A_Zr:387)
91Zr40 + 8 D* --> 78Se34 + 29Si14 + 116.117 MeV [24.878 MeV] (A_Zr:388)
91Zr40 + 8 D* --> 82Kr36 + 25Mg12 + 110.978 MeV [19.739 MeV] (A_Zr:389)
91Zr40 + 8 D* --> 83Kr36 + 24Mg12 + 111.111 MeV [19.872 MeV] (A_Zr:390)
91Zr40 + 8 D* --> 86Sr38 + 21Ne10 + 107.451 MeV [16.212 MeV] (A_Zr:391)
91Zr40 + 8 D* --> 87Sr38 + 20Ne10 + 109.118 MeV [17.879 MeV] (A_Zr:392)
91Zr40 + 8 D* --> 90Zr40 + 17O8 + 106.771 MeV [15.533 MeV] (A_Zr:393)
91Zr40 + 8 D* --> 91Zr40 + 16O8 + 109.823 MeV [18.584 MeV] (A_Zr:394)
91Zr40 + 8 D* --> 93Nb41 + 14N7 + 101.540 MeV [10.302 MeV] (A_Zr:395)
91Zr40 + 8 D* --> 94Mo42 + 13C6 + 102.480 MeV [11.241 MeV] (A_Zr:396)
91Zr40 + 8 D* --> 95Mo42 + 12C6 + 104.903 MeV [13.664 MeV] (A_Zr:397)
91Zr40 + 8 D* --> 98Ru44 + 9Be4 + 94.072 MeV [2.833 MeV] (A_Zr:398)
91Zr40 + 8 D* --> 104Pd46 + 3He2 + 91.654 MeV [00.416 MeV] (A_Zr:399)

91Zr40 + 9 D* --> 55Mn25 + 54Cr24 + 144.974 MeV [40.792 MeV] (A_Zr:400)
91Zr40 + 9 D* --> 58Fe26 + 51V23 + 144.686 MeV [40.504 MeV] (A_Zr:401)
91Zr40 + 9 D* --> 59Co27 + 50Ti22 + 143.986 MeV [39.804 MeV] (A_Zr:402)
91Zr40 + 9 D* --> 64Ni28 + 45Sc21 + 138.498 MeV [34.316 MeV] (A_Zr:403)
91Zr40 + 9 D* --> 63Cu29 + 46Ca20 + 139.046 MeV [34.863 MeV] (A_Zr:404)
91Zr40 + 9 D* --> 65Cu29 + 44Ca20 + 139.063 MeV [34.881 MeV] (A_Zr:405)
91Zr40 + 9 D* --> 68Zn30 + 41K19 + 135.897 MeV [31.715 MeV] (A_Zr:406)
91Zr40 + 9 D* --> 70Zn30 + 39K19 + 133.703 MeV [29.520 MeV] (A_Zr:407)
91Zr40 + 9 D* --> 69Ga31 + 40Ar18 + 134.699 MeV [30.516 MeV] (A_Zr:408)
91Zr40 + 9 D* --> 71Ga31 + 38Ar18 + 135.186 MeV [31.004 MeV] (A_Zr:409)
91Zr40 + 9 D* --> 72Ge32 + 37Cl17 + 134.679 MeV [30.496 MeV] (A_Zr:410)
91Zr40 + 9 D* --> 74Ge32 + 35Cl17 + 132.767 MeV [28.585 MeV] (A_Zr:411)
91Zr40 + 9 D* --> 75As33 + 34S16 + 133.295 MeV [29.113 MeV] (A_Zr:412)
91Zr40 + 9 D* --> 78Se34 + 31P15 + 131.798 MeV [27.616 MeV] (A_Zr:413)
91Zr40 + 9 D* --> 79Br35 + 30Si14 + 130.833 MeV [26.650 MeV] (A_Zr:414)
91Zr40 + 9 D* --> 81Br35 + 28Si14 + 129.799 MeV [25.616 MeV] (A_Zr:415)
91Zr40 + 9 D* --> 82Kr36 + 27Al13 + 128.117 MeV [23.935 MeV] (A_Zr:416)
91Zr40 + 9 D* --> 85Rb37 + 24Mg12 + 126.432 MeV [22.250 MeV] (A_Zr:417)

91Zr40 + 9 D* --> 86Sr38 + 23Na11 + 124.385 MeV [20.202 MeV] (A_Zr:418)
91Zr40 + 9 D* --> 89Y39 + 20Ne10 + 125.075 MeV [20.892 MeV] (A_Zr:419)
91Zr40 + 9 D* --> 90Zr40 + 19F9 + 120.586 MeV [16.403 MeV] (A_Zr:420)
91Zr40 + 9 D* --> 93Nb41 + 16O8 + 122.276 MeV [18.094 MeV] (A_Zr:421)
91Zr40 + 9 D* --> 94Mo42 + 15N7 + 118.639 MeV [14.457 MeV] (A_Zr:422)
91Zr40 + 9 D* --> 95Mo42 + 14N7 + 115.175 MeV [10.993 MeV] (A_Zr:423)
91Zr40 + 9 D* --> 98Ru44 + 11B5 + 109.888 MeV [5.705 MeV] (A_Zr:424)
91Zr40 + 9 D* --> 99Ru44 + 10B5 + 105.897 MeV [1.715 MeV] (A_Zr:425)
91Zr40 + 9 D* --> 102Pd46 + 7Li3 + 103.348 MeV [-0.834 MeV] (A_Zr:426)
91Zr40 + 9 D* --> 108Cd48 + 1H1 + 112.294 MeV [8.112 MeV] (A_Zr:427)

91Zr40 + 10 D* --> 57Fe26 + 54Cr24 + 160.579 MeV [43.124 MeV] (A_Zr:428)
91Zr40 + 10 D* --> 58Fe26 + 53Cr24 + 160.905 MeV [43.449 MeV] (A_Zr:429)
91Zr40 + 10 D* --> 61Ni28 + 50Ti22 + 159.114 MeV [41.659 MeV] (A_Zr:430)
91Zr40 + 10 D* --> 62Ni28 + 49Ti22 + 158.772 MeV [41.316 MeV] (A_Zr:431)
91Zr40 + 10 D* --> 64Ni28 + 47Ti22 + 155.498 MeV [38.043 MeV] (A_Zr:432)
91Zr40 + 10 D* --> 67Zn30 + 44Ca20 + 152.816 MeV [35.360 MeV] (A_Zr:433)
91Zr40 + 10 D* --> 68Zn30 + 43Ca20 + 151.883 MeV [34.427 MeV] (A_Zr:434)
91Zr40 + 10 D* --> 71Ga31 + 40K19 + 147.142 MeV [29.687 MeV] (A_Zr:435)
91Zr40 + 10 D* --> 73Ge32 + 38Ar18 + 149.479 MeV [32.023 MeV] (A_Zr:436)
91Zr40 + 10 D* --> 77Se34 + 34S16 + 147.998 MeV [30.542 MeV] (A_Zr:437)
91Zr40 + 10 D* --> 78Se34 + 33S16 + 147.079 MeV [29.623 MeV] (A_Zr:438)
91Zr40 + 10 D* --> 82Kr36 + 29Si14 + 145.951 MeV [28.496 MeV] (A_Zr:439)
91Zr40 + 10 D* --> 83Kr36 + 28Si14 + 144.941 MeV [27.486 MeV] (A_Zr:440)
91Zr40 + 10 D* --> 86Sr38 + 25Mg12 + 141.183 MeV [23.727 MeV] (A_Zr:441)
91Zr40 + 10 D* --> 87Sr38 + 24Mg12 + 142.281 MeV [24.825 MeV] (A_Zr:442)
91Zr40 + 10 D* --> 90Zr40 + 21Ne10 + 137.966 MeV [20.510 MeV] (A_Zr:443)
91Zr40 + 10 D* --> 91Zr40 + 20Ne10 + 138.399 MeV [20.943 MeV] (A_Zr:444)
91Zr40 + 10 D* --> 94Mo42 + 17O8 + 132.685 MeV [15.230 MeV] (A_Zr:445)
91Zr40 + 10 D* --> 95Mo42 + 16O8 + 135.911 MeV [18.456 MeV] (A_Zr:446)
91Zr40 + 10 D* --> 98Ru44 + 13C6 + 128.566 MeV [11.111 MeV] (A_Zr:447)
91Zr40 + 10 D* --> 99Ru44 + 12C6 + 131.084 MeV [13.628 MeV] (A_Zr:448)
91Zr40 + 10 D* --> 102Pd46 + 9Be4 + 120.044 MeV [2.589 MeV] (A_Zr:449)
91Zr40 + 10 D* --> 108Cd48 + 3He2 + 117.788 MeV [00.332 MeV] (A_Zr:450)

91Zr40 + 11 D* --> 58Fe26 + 55Mn25 + 176.467 MeV [45.411 MeV] (A_Zr:451)
91Zr40 + 11 D* --> 59Co27 + 54Cr24 + 175.763 MeV [44.708 MeV] (A_Zr:452)
91Zr40 + 11 D* --> 62Ni28 + 51V23 + 175.550 MeV [44.494 MeV] (A_Zr:453)
91Zr40 + 11 D* --> 63Cu29 + 50Ti22 + 173.609 MeV [42.553 MeV] (A_Zr:454)
91Zr40 + 11 D* --> 65Cu29 + 48Ti22 + 172.354 MeV [41.298 MeV] (A_Zr:455)
91Zr40 + 11 D* --> 68Zn30 + 45Sc21 + 167.678 MeV [36.622 MeV] (A_Zr:456)
91Zr40 + 11 D* --> 69Ga31 + 44Ca20 + 167.399 MeV [36.343 MeV] (A_Zr:457)
91Zr40 + 11 D* --> 71Ga31 + 42Ca20 + 165.290 MeV [34.234 MeV] (A_Zr:458)
91Zr40 + 11 D* --> 72Ge32 + 41K19 + 164.748 MeV [33.692 MeV] (A_Zr:459)
91Zr40 + 11 D* --> 73Ge32 + 40K19 + 161.435 MeV [30.380 MeV] (A_Zr:460)
91Zr40 + 11 D* --> 74Ge32 + 39K19 + 163.832 MeV [32.776 MeV] (A_Zr:461)
91Zr40 + 11 D* --> 75As33 + 38Ar18 + 164.350 MeV [33.294 MeV] (A_Zr:462)
91Zr40 + 11 D* --> 76Se34 + 37Cl17 + 163.616 MeV [32.560 MeV] (A_Zr:463)
91Zr40 + 11 D* --> 78Se34 + 35Cl17 + 162.642 MeV [31.587 MeV] (A_Zr:464)
91Zr40 + 11 D* --> 79Br35 + 34S16 + 162.603 MeV [31.547 MeV] (A_Zr:465)
91Zr40 + 11 D* --> 81Br35 + 32S16 + 160.593 MeV [29.537 MeV] (A_Zr:466)
91Zr40 + 11 D* --> 82Kr36 + 31P15 + 161.633 MeV [30.577 MeV] (A_Zr:467)
91Zr40 + 11 D* --> 85Rb37 + 28Si14 + 160.263 MeV [29.207 MeV] (A_Zr:468)
91Zr40 + 11 D* --> 86Sr38 + 27Al13 + 158.323 MeV [27.267 MeV] (A_Zr:469)

91Zr40 + 11 D* --> 89Y39 + 24Mg12 + 158.238 MeV [27.182 MeV] (A_Zr:470)
91Zr40 + 11 D* --> 90Zr40 + 23Na11 + 154.900 MeV [23.844 MeV] (A_Zr:471)
91Zr40 + 11 D* --> 93Nb41 + 20Ne10 + 150.853 MeV [19.797 MeV] (A_Zr:472)
91Zr40 + 11 D* --> 94Mo42 + 19F9 + 146.500 MeV [15.444 MeV] (A_Zr:473)
91Zr40 + 11 D* --> 98Ru44 + 15N7 + 144.726 MeV [13.670 MeV] (A_Zr:474)
91Zr40 + 11 D* --> 99Ru44 + 14N7 + 141.356 MeV [10.300 MeV] (A_Zr:475)
91Zr40 + 11 D* --> 102Pd46 + 11B5 + 135.860 MeV [4.804 MeV] (A_Zr:476)
91Zr40 + 11 D* --> 106Cd48 + 7Li3 + 128.827 MeV [-2.229 MeV] (A_Zr:477)
91Zr40 + 11 D* --> 112Sn50 + 1H1 + 137.975 MeV [6.919 MeV] (A_Zr:478)

91Zr40 + 12 D* --> 58Fe26 + 57Fe26 + 192.072 MeV [47.093 MeV] (A_Zr:479)
91Zr40 + 12 D* --> 61Ni28 + 54Cr24 + 190.892 MeV [45.913 MeV] (A_Zr:480)
91Zr40 + 12 D* --> 62Ni28 + 53Cr24 + 191.769 MeV [46.790 MeV] (A_Zr:481)
91Zr40 + 12 D* --> 65Cu29 + 50V23 + 186.223 MeV [41.245 MeV] (A_Zr:482)
91Zr40 + 12 D* --> 66Zn30 + 49Ti22 + 187.196 MeV [42.218 MeV] (A_Zr:483)
91Zr40 + 12 D* --> 67Zn30 + 48Ti22 + 186.106 MeV [41.128 MeV] (A_Zr:484)
91Zr40 + 12 D* --> 68Zn30 + 47Ti22 + 184.678 MeV [39.699 MeV] (A_Zr:485)
91Zr40 + 12 D* --> 72Ge32 + 43Ca20 + 180.733 MeV [35.754 MeV] (A_Zr:486)
91Zr40 + 12 D* --> 73Ge32 + 42Ca20 + 179.583 MeV [34.604 MeV] (A_Zr:487)
91Zr40 + 12 D* --> 75As33 + 40K19 + 176.306 MeV [31.327 MeV] (A_Zr:488)
91Zr40 + 12 D* --> 77Se34 + 38Ar18 + 179.052 MeV [34.074 MeV] (A_Zr:489)
91Zr40 + 12 D* --> 82Kr36 + 33S16 + 176.914 MeV [31.935 MeV] (A_Zr:490)
91Zr40 + 12 D* --> 83Kr36 + 32S16 + 175.736 MeV [30.757 MeV] (A_Zr:491)
91Zr40 + 12 D* --> 86Sr38 + 29Si14 + 176.157 MeV [31.178 MeV] (A_Zr:492)
91Zr40 + 12 D* --> 87Sr38 + 28Si14 + 176.111 MeV [31.133 MeV] (A_Zr:493)
91Zr40 + 12 D* --> 90Zr40 + 25Mg12 + 171.698 MeV [26.720 MeV] (A_Zr:494)
91Zr40 + 12 D* --> 91Zr40 + 24Mg12 + 171.562 MeV [26.583 MeV] (A_Zr:495)
91Zr40 + 12 D* --> 94Mo42 + 21Ne10 + 163.880 MeV [18.901 MeV] (A_Zr:496)
91Zr40 + 12 D* --> 95Mo42 + 20Ne10 + 164.488 MeV [19.509 MeV] (A_Zr:497)
91Zr40 + 12 D* --> 98Ru44 + 17O8 + 158.772 MeV [13.793 MeV] (A_Zr:498)
91Zr40 + 12 D* --> 99Ru44 + 16O8 + 162.092 MeV [17.113 MeV] (A_Zr:499)
91Zr40 + 12 D* --> 102Pd46 + 13C6 + 154.538 MeV [9.559 MeV] (A_Zr:500)
91Zr40 + 12 D* --> 106Cd48 + 9Be4 + 145.523 MeV [00.544 MeV] (A_Zr:501)
91Zr40 + 12 D* --> 112Sn50 + 3He2 + 143.468 MeV [-1.511 MeV] (A_Zr:502)

92Zr40 + 2 D* --> 48Ca20 + 48Ti22 + 30.519 MeV [9.889 MeV] (A_Zr:503)
92Zr40 + 2 D* --> 48Ti22 + 48Ca20 + 30.519 MeV [9.889 MeV] (A_Zr:504)
92Zr40 + 2 D* --> 50Ti22 + 46Ca20 + 32.379 MeV [11.749 MeV] (A_Zr:505)
92Zr40 + 2 D* --> 70Zn30 + 26Mg12 + 23.597 MeV [2.966 MeV] (A_Zr:506)
92Zr40 + 2 D* --> 74Ge32 + 22Ne10 + 19.265 MeV [-1.366 MeV] (A_Zr:507)
92Zr40 + 2 D* --> 76Ge32 + 20Ne10 + 18.073 MeV [-2.558 MeV] (A_Zr:508)
92Zr40 + 2 D* --> 78Se34 + 18O8 + 15.625 MeV [-5.005 MeV] (A_Zr:509)
92Zr40 + 2 D* --> 80Se34 + 16O8 + 20.314 MeV [-0.316 MeV] (A_Zr:510)
92Zr40 + 2 D* --> 81Br35 + 15N7 + 15.691 MeV [-4.940 MeV] (A_Zr:511)
92Zr40 + 2 D* --> 83Kr36 + 13C6 + 14.674 MeV [-5.956 MeV] (A_Zr:512)
92Zr40 + 2 D* --> 84Kr36 + 12C6 + 20.249 MeV [-0.382 MeV] (A_Zr:513)
92Zr40 + 2 D* --> 85Rb37 + 11B5 + 11.317 MeV [-9.314 MeV] (A_Zr:514)
92Zr40 + 2 D* --> 87Sr38 + 9Be4 + 11.350 MeV [-9.280 MeV] (A_Zr:515)
92Zr40 + 2 D* --> 89Y39 + 7Li3 + 10.611 MeV [-10.019 MeV] (A_Zr:516)
92Zr40 + 2 D* --> 92Zr40 + 4He2 + 23.847 MeV [3.216 MeV] (A_Zr:517)
92Zr40 + 2 D* --> 96Mo42 + 26.608 MeV [5.978 MeV] (A_Zr:518)

92Zr40 + 3 D* --> 50V23 + 48Ca20 + 44.389 MeV [12.906 MeV] (A_Zr:519)

92Zr40 + 3 D* --> 81Br35 + 17O8 + 29.737 MeV [-1.746 MeV] (A_Zr:520)
92Zr40 + 3 D* --> 83Kr36 + 15N7 + 30.834 MeV [-0.650 MeV] (A_Zr:521)
92Zr40 + 3 D* --> 84Kr36 + 14N7 + 30.521 MeV [-0.962 MeV] (A_Zr:522)
92Zr40 + 3 D* --> 85Rb37 + 13C6 + 29.996 MeV [-1.488 MeV] (A_Zr:523)
92Zr40 + 3 D* --> 87Sr38 + 11B5 + 27.166 MeV [-4.318 MeV] (A_Zr:524)
92Zr40 + 3 D* --> 88Sr38 + 10B5 + 26.824 MeV [-4.659 MeV] (A_Zr:525)
92Zr40 + 3 D* --> 89Y39 + 9Be4 + 27.307 MeV [-4.176 MeV] (A_Zr:526)
92Zr40 + 3 D* --> 91Zr40 + 7Li3 + 23.936 MeV [-7.548 MeV] (A_Zr:527)
92Zr40 + 3 D* --> 92Zr40 + 6Li3 + 25.320 MeV [-6.163 MeV] (A_Zr:528)
92Zr40 + 3 D* --> 96Mo42 + 2H1 + 26.608 MeV [-4.875 MeV] (A_Zr:529)
92Zr40 + 3 D* --> 97Mo42 + 1H1 + 31.205 MeV [-0.279 MeV] (A_Zr:530)

92Zr40 + 4 D* --> 50Ti22 + 50Ti22 + 66.942 MeV [24.254 MeV] (A_Zr:531)
92Zr40 + 4 D* --> 52Cr24 + 48Ca20 + 63.720 MeV [21.031 MeV] (A_Zr:532)
92Zr40 + 4 D* --> 54Cr24 + 46Ca20 + 64.157 MeV [21.468 MeV] (A_Zr:533)
92Zr40 + 4 D* --> 64Ni28 + 36S16 + 61.852 MeV [19.164 MeV] (A_Zr:534)
92Zr40 + 4 D* --> 70Zn30 + 30Si14 + 58.087 MeV [15.398 MeV] (A_Zr:535)
92Zr40 + 4 D* --> 74Ge32 + 26Mg12 + 53.726 MeV [11.037 MeV] (A_Zr:536)
92Zr40 + 4 D* --> 76Ge32 + 24Mg12 + 51.236 MeV [8.547 MeV] (A_Zr:537)
92Zr40 + 4 D* --> 78Se34 + 22Ne10 + 49.140 MeV [6.451 MeV] (A_Zr:538)
92Zr40 + 4 D* --> 80Se34 + 20Ne10 + 48.891 MeV [6.202 MeV] (A_Zr:539)
92Zr40 + 4 D* --> 81Br35 + 19F9 + 43.551 MeV [00.862 MeV] (A_Zr:540)
92Zr40 + 4 D* --> 82Kr36 + 18O8 + 45.460 MeV [2.771 MeV] (A_Zr:541)
92Zr40 + 4 D* --> 83Kr36 + 17O8 + 44.880 MeV [2.191 MeV] (A_Zr:542)
92Zr40 + 4 D* --> 84Kr36 + 16O8 + 51.257 MeV [8.568 MeV] (A_Zr:543)
92Zr40 + 4 D* --> 85Rb37 + 15N7 + 46.155 MeV [3.466 MeV] (A_Zr:544)
92Zr40 + 4 D* --> 87Sr38 + 13C6 + 45.844 MeV [3.156 MeV] (A_Zr:545)
92Zr40 + 4 D* --> 88Sr38 + 12C6 + 52.011 MeV [9.322 MeV] (A_Zr:546)
92Zr40 + 4 D* --> 89Y39 + 11B5 + 43.123 MeV [00.434 MeV] (A_Zr:547)
92Zr40 + 4 D* --> 91Zr40 + 9Be4 + 40.632 MeV [-2.057 MeV] (A_Zr:548)
92Zr40 + 4 D* --> 93Nb41 + 7Li3 + 36.389 MeV [-6.300 MeV] (A_Zr:549)
92Zr40 + 4 D* --> 96Mo42 + 4He2 + 50.455 MeV [7.766 MeV] (A_Zr:550)
92Zr40 + 4 D* --> 97Mo42 + 3He2 + 36.698 MeV [-5.991 MeV] (A_Zr:551)
92Zr40 + 4 D* --> 100Ru44 + 53.308 MeV [10.619 MeV] (A_Zr:552)

92Zr40 + 5 D* --> 81Br35 + 21Ne10 + 60.931 MeV [6.689 MeV] (A_Zr:553)
92Zr40 + 5 D* --> 83Kr36 + 19F9 + 58.694 MeV [4.451 MeV] (A_Zr:554)
92Zr40 + 5 D* --> 85Rb37 + 17O8 + 60.201 MeV [5.958 MeV] (A_Zr:555)
92Zr40 + 5 D* --> 87Sr38 + 15N7 + 62.004 MeV [7.761 MeV] (A_Zr:556)
92Zr40 + 5 D* --> 88Sr38 + 14N7 + 62.283 MeV [8.040 MeV] (A_Zr:557)
92Zr40 + 5 D* --> 89Y39 + 13C6 + 61.801 MeV [7.559 MeV] (A_Zr:558)
92Zr40 + 5 D* --> 91Zr40 + 11B5 + 56.447 MeV [2.204 MeV] (A_Zr:559)
92Zr40 + 5 D* --> 92Zr40 + 10B5 + 53.628 MeV [-0.615 MeV] (A_Zr:560)
92Zr40 + 5 D* --> 93Nb41 + 9Be4 + 53.085 MeV [-1.157 MeV] (A_Zr:561)
92Zr40 + 5 D* --> 95Mo42 + 7Li3 + 50.024 MeV [-4.219 MeV] (A_Zr:562)
92Zr40 + 5 D* --> 96Mo42 + 6Li3 + 51.928 MeV [-2.314 MeV] (A_Zr:563)
92Zr40 + 5 D* --> 100Ru44 + 2H1 + 53.308 MeV [-0.935 MeV] (A_Zr:564)
92Zr40 + 5 D* --> 101Ru44 + 1H1 + 57.885 MeV [3.643 MeV] (A_Zr:565)

92Zr40 + 6 D* --> 54Cr24 + 50Ti22 + 98.720 MeV [32.579 MeV] (A_Zr:566)
92Zr40 + 6 D* --> 56Fe26 + 48Ca20 + 95.180 MeV [29.039 MeV] (A_Zr:567)
92Zr40 + 6 D* --> 58Fe26 + 46Ca20 + 95.649 MeV [29.508 MeV] (A_Zr:568)
92Zr40 + 6 D* --> 64Ni28 + 40Ar18 + 92.500 MeV [26.358 MeV] (A_Zr:569)
92Zr40 + 6 D* --> 68Zn30 + 36S16 + 91.032 MeV [24.891 MeV] (A_Zr:570)

92Zr40 + 6 D* --> 70Zn30 + 34S16 + 89.857 MeV [23.716 MeV] (A_Zr:571)
92Zr40 + 6 D* --> 74Ge32 + 30Si14 + 88.216 MeV [22.075 MeV] (A_Zr:572)
92Zr40 + 6 D* --> 76Ge32 + 28Si14 + 85.066 MeV [18.925 MeV] (A_Zr:573)
92Zr40 + 6 D* --> 78Se34 + 26Mg12 + 83.601 MeV [17.460 MeV] (A_Zr:574)
92Zr40 + 6 D* --> 80Se34 + 24Mg12 + 82.054 MeV [15.913 MeV] (A_Zr:575)
92Zr40 + 6 D* --> 81Br35 + 23Na11 + 77.865 MeV [11.724 MeV] (A_Zr:576)
92Zr40 + 6 D* --> 82Kr36 + 22Ne10 + 78.975 MeV [12.834 MeV] (A_Zr:577)
92Zr40 + 6 D* --> 83Kr36 + 21Ne10 + 76.074 MeV [9.933 MeV] (A_Zr:578)
92Zr40 + 6 D* --> 84Kr36 + 20Ne10 + 79.833 MeV [13.692 MeV] (A_Zr:579)
92Zr40 + 6 D* --> 85Rb37 + 19F9 + 74.015 MeV [7.874 MeV] (A_Zr:580)
92Zr40 + 6 D* --> 86Sr38 + 18O8 + 75.666 MeV [9.524 MeV] (A_Zr:581)
92Zr40 + 6 D* --> 87Sr38 + 17O8 + 76.050 MeV [9.909 MeV] (A_Zr:582)
92Zr40 + 6 D* --> 88Sr38 + 16O8 + 83.019 MeV [16.878 MeV] (A_Zr:583)
92Zr40 + 6 D* --> 89Y39 + 15N7 + 77.961 MeV [11.820 MeV] (A_Zr:584)
92Zr40 + 6 D* --> 91Zr40 + 13C6 + 75.126 MeV [8.985 MeV] (A_Zr:585)
92Zr40 + 6 D* --> 92Zr40 + 12C6 + 78.814 MeV [12.673 MeV] (A_Zr:586)
92Zr40 + 6 D* --> 93Nb41 + 11B5 + 68.901 MeV [2.760 MeV] (A_Zr:587)
92Zr40 + 6 D* --> 95Mo42 + 9Be4 + 66.720 MeV [00.579 MeV] (A_Zr:588)
92Zr40 + 6 D* --> 100Ru44 + 4He2 + 77.155 MeV [11.013 MeV] (A_Zr:589)
92Zr40 + 6 D* --> 101Ru44 + 3He2 + 63.379 MeV [-2.762 MeV] (A_Zr:590)
92Zr40 + 6 D* --> 103Rh45 + 1H1 + 71.094 MeV [4.953 MeV] (A_Zr:591)
92Zr40 + 6 D* --> 104Pd46 + 79.750 MeV [13.609 MeV] (A_Zr:592)

92Zr40 + 7 D* --> 81Br35 + 25Mg12 + 94.664 MeV [16.284 MeV] (A_Zr:593)
92Zr40 + 7 D* --> 83Kr36 + 23Na11 + 93.008 MeV [14.628 MeV] (A_Zr:594)
92Zr40 + 7 D* --> 85Rb37 + 21Ne10 + 91.395 MeV [13.015 MeV] (A_Zr:595)
92Zr40 + 7 D* --> 87Sr38 + 19F9 + 89.864 MeV [11.484 MeV] (A_Zr:596)
92Zr40 + 7 D* --> 89Y39 + 17O8 + 92.007 MeV [13.627 MeV] (A_Zr:597)
92Zr40 + 7 D* --> 91Zr40 + 15N7 + 91.285 MeV [12.905 MeV] (A_Zr:598)
92Zr40 + 7 D* --> 92Zr40 + 14N7 + 89.087 MeV [10.706 MeV] (A_Zr:599)
92Zr40 + 7 D* --> 93Nb41 + 13C6 + 87.579 MeV [9.199 MeV] (A_Zr:600)
92Zr40 + 7 D* --> 95Mo42 + 11B5 + 82.536 MeV [4.156 MeV] (A_Zr:601)
92Zr40 + 7 D* --> 96Mo42 + 10B5 + 80.236 MeV [1.856 MeV] (A_Zr:602)
92Zr40 + 7 D* --> 99Ru44 + 7Li3 + 76.205 MeV [-2.175 MeV] (A_Zr:603)
92Zr40 + 7 D* --> 100Ru44 + 6Li3 + 78.628 MeV [00.248 MeV] (A_Zr:604)
92Zr40 + 7 D* --> 103Rh45 + 3He2 + 76.587 MeV [-1.793 MeV] (A_Zr:605)
92Zr40 + 7 D* --> 104Pd46 + 2H1 + 79.750 MeV [1.370 MeV] (A_Zr:606)
92Zr40 + 7 D* --> 105Pd46 + 1H1 + 84.620 MeV [6.240 MeV] (A_Zr:607)

92Zr40 + 8 D* --> 54Cr24 + 54Cr24 + 130.497 MeV [39.541 MeV] (A_Zr:608)
92Zr40 + 8 D* --> 58Fe26 + 50Ti22 + 130.212 MeV [39.256 MeV] (A_Zr:609)
92Zr40 + 8 D* --> 60Ni28 + 48Ca20 + 125.318 MeV [34.362 MeV] (A_Zr:610)
92Zr40 + 8 D* --> 62Ni28 + 46Ca20 + 126.513 MeV [35.557 MeV] (A_Zr:611)
92Zr40 + 8 D* --> 64Ni28 + 44Ca20 + 125.200 MeV [34.243 MeV] (A_Zr:612)
92Zr40 + 8 D* --> 68Zn30 + 40Ar18 + 121.679 MeV [30.723 MeV] (A_Zr:613)
92Zr40 + 8 D* --> 70Zn30 + 38Ar18 + 120.911 MeV [29.955 MeV] (A_Zr:614)
92Zr40 + 8 D* --> 71Ga31 + 37Cl17 + 118.534 MeV [27.577 MeV] (A_Zr:615)
92Zr40 + 8 D* --> 72Ge32 + 36S16 + 119.882 MeV [28.926 MeV] (A_Zr:616)
92Zr40 + 8 D* --> 74Ge32 + 34S16 + 119.986 MeV [29.030 MeV] (A_Zr:617)
92Zr40 + 8 D* --> 76Ge32 + 32S16 + 115.861 MeV [24.904 MeV] (A_Zr:618)
92Zr40 + 8 D* --> 78Se34 + 30Si14 + 118.091 MeV [27.135 MeV] (A_Zr:619)
92Zr40 + 8 D* --> 80Se34 + 28Si14 + 115.885 MeV [24.928 MeV] (A_Zr:620)
92Zr40 + 8 D* --> 81Br35 + 27Al13 + 111.803 MeV [20.847 MeV] (A_Zr:621)
92Zr40 + 8 D* --> 82Kr36 + 26Mg12 + 113.436 MeV [22.480 MeV] (A_Zr:622)

92Zr40 + 8 D* --> 83Kr36 + 25Mg12 + 109.806 MeV [18.850 MeV] (A_Zr:623)
92Zr40 + 8 D* --> 84Kr36 + 24Mg12 + 112.996 MeV [22.040 MeV] (A_Zr:624)
92Zr40 + 8 D* --> 85Rb37 + 23Na11 + 108.329 MeV [17.373 MeV] (A_Zr:625)
92Zr40 + 8 D* --> 86Sr38 + 22Ne10 + 109.180 MeV [18.224 MeV] (A_Zr:626)
92Zr40 + 8 D* --> 87Sr38 + 21Ne10 + 107.244 MeV [16.288 MeV] (A_Zr:627)
92Zr40 + 8 D* --> 88Sr38 + 20Ne10 + 111.596 MeV [20.639 MeV] (A_Zr:628)
92Zr40 + 8 D* --> 89Y39 + 19F9 + 105.821 MeV [14.865 MeV] (A_Zr:629)
92Zr40 + 8 D* --> 90Zr40 + 18O8 + 106.181 MeV [15.224 MeV] (A_Zr:630)
92Zr40 + 8 D* --> 91Zr40 + 17O8 + 105.331 MeV [14.375 MeV] (A_Zr:631)
92Zr40 + 8 D* --> 92Zr40 + 16O8 + 109.823 MeV [18.867 MeV] (A_Zr:632)
92Zr40 + 8 D* --> 93Nb41 + 15N7 + 103.739 MeV [12.783 MeV] (A_Zr:633)
92Zr40 + 8 D* --> 95Mo42 + 13C6 + 101.214 MeV [10.258 MeV] (A_Zr:634)
92Zr40 + 8 D* --> 96Mo42 + 12C6 + 105.422 MeV [14.466 MeV] (A_Zr:635)
92Zr40 + 8 D* --> 99Ru44 + 9Be4 + 92.901 MeV [1.945 MeV] (A_Zr:636)
92Zr40 + 8 D* --> 104Pd46 + 4He2 + 103.597 MeV [12.641 MeV] (A_Zr:637)
92Zr40 + 8 D* --> 105Pd46 + 3He2 + 90.114 MeV [-0.843 MeV] (A_Zr:638)
92Zr40 + 8 D* --> 107Ag47 + 1H1 + 97.745 MeV [6.788 MeV] (A_Zr:639)
92Zr40 + 8 D* --> 108Cd48 + 105.884 MeV [14.928 MeV] (A_Zr:640)

92Zr40 + 9 D* --> 70Zn30 + 40K19 + 132.867 MeV [29.002 MeV] (A_Zr:641)
92Zr40 + 9 D* --> 73Ge32 + 37Cl17 + 132.827 MeV [28.961 MeV] (A_Zr:642)
92Zr40 + 9 D* --> 81Br35 + 29Si14 + 129.637 MeV [25.772 MeV] (A_Zr:643)
92Zr40 + 9 D* --> 83Kr36 + 27Al13 + 126.946 MeV [23.080 MeV] (A_Zr:644)
92Zr40 + 9 D* --> 85Rb37 + 25Mg12 + 125.128 MeV [21.262 MeV] (A_Zr:645)
92Zr40 + 9 D* --> 87Sr38 + 23Na11 + 124.178 MeV [20.312 MeV] (A_Zr:646)
92Zr40 + 9 D* --> 89Y39 + 21Ne10 + 123.201 MeV [19.335 MeV] (A_Zr:647)
92Zr40 + 9 D* --> 91Zr40 + 19F9 + 119.145 MeV [15.280 MeV] (A_Zr:648)
92Zr40 + 9 D* --> 93Nb41 + 17O8 + 117.785 MeV [13.919 MeV] (A_Zr:649)
92Zr40 + 9 D* --> 95Mo42 + 15N7 + 117.374 MeV [13.508 MeV] (A_Zr:650)
92Zr40 + 9 D* --> 96Mo42 + 14N7 + 115.695 MeV [11.829 MeV] (A_Zr:651)
92Zr40 + 9 D* --> 99Ru44 + 11B5 + 108.717 MeV [4.851 MeV] (A_Zr:652)
92Zr40 + 9 D* --> 100Ru44 + 10B5 + 106.936 MeV [3.070 MeV] (A_Zr:653)
92Zr40 + 9 D* --> 104Pd46 + 6Li3 + 105.071 MeV [1.205 MeV] (A_Zr:654)
92Zr40 + 9 D* --> 107Ag47 + 3He2 + 103.238 MeV [-0.628 MeV] (A_Zr:655)
92Zr40 + 9 D* --> 108Cd48 + 2H1 + 105.884 MeV [2.019 MeV] (A_Zr:656)

92Zr40 + 10 D* --> 58Fe26 + 54Cr24 + 161.989 MeV [44.884 MeV] (A_Zr:657)
92Zr40 + 10 D* --> 62Ni28 + 50Ti22 + 161.076 MeV [43.971 MeV] (A_Zr:658)
92Zr40 + 10 D* --> 64Ni28 + 48Ti22 + 158.490 MeV [41.385 MeV] (A_Zr:659)
92Zr40 + 10 D* --> 64Zn30 + 48Ca20 + 153.121 MeV [36.016 MeV] (A_Zr:660)
92Zr40 + 10 D* --> 66Zn30 + 46Ca20 + 154.938 MeV [37.833 MeV] (A_Zr:661)
92Zr40 + 10 D* --> 68Zn30 + 44Ca20 + 154.379 MeV [37.274 MeV] (A_Zr:662)
92Zr40 + 10 D* --> 70Zn30 + 42Ca20 + 151.015 MeV [33.910 MeV] (A_Zr:663)
92Zr40 + 10 D* --> 71Ga31 + 41K19 + 148.603 MeV [31.498 MeV] (A_Zr:664)
92Zr40 + 10 D* --> 72Ge32 + 40Ar18 + 150.529 MeV [33.424 MeV] (A_Zr:665)
92Zr40 + 10 D* --> 74Ge32 + 38Ar18 + 151.040 MeV [33.935 MeV] (A_Zr:666)
92Zr40 + 10 D* --> 76Ge32 + 36Ar18 + 146.348 MeV [29.243 MeV] (A_Zr:667)
92Zr40 + 10 D* --> 75As33 + 37Cl17 + 147.697 MeV [30.592 MeV] (A_Zr:668)
92Zr40 + 10 D* --> 76Se34 + 36S16 + 148.819 MeV [31.714 MeV] (A_Zr:669)
92Zr40 + 10 D* --> 78Se34 + 34S16 + 149.861 MeV [32.756 MeV] (A_Zr:670)
92Zr40 + 10 D* --> 80Se34 + 32S16 + 146.679 MeV [29.574 MeV] (A_Zr:671)
92Zr40 + 10 D* --> 81Br35 + 31P15 + 145.319 MeV [28.214 MeV] (A_Zr:672)
92Zr40 + 10 D* --> 82Kr36 + 30Si14 + 147.926 MeV [30.821 MeV] (A_Zr:673)
92Zr40 + 10 D* --> 83Kr36 + 29Si14 + 144.780 MeV [27.675 MeV] (A_Zr:674)

92Zr40 + 10 D* --> 84Kr36 + 28Si14 + 146.827 MeV [29.722 MeV] (A_Zr:675)
92Zr40 + 10 D* --> 85Rb37 + 27Al13 + 142.267 MeV [25.162 MeV] (A_Zr:676)
92Zr40 + 10 D* --> 86Sr38 + 26Mg12 + 143.641 MeV [26.536 MeV] (A_Zr:677)
92Zr40 + 10 D* --> 87Sr38 + 25Mg12 + 140.977 MeV [23.871 MeV] (A_Zr:678)
92Zr40 + 10 D* --> 88Sr38 + 24Mg12 + 144.759 MeV [27.654 MeV] (A_Zr:679)
92Zr40 + 10 D* --> 89Y39 + 23Na11 + 140.135 MeV [23.030 MeV] (A_Zr:680)
92Zr40 + 10 D* --> 90Zr40 + 22Ne10 + 139.695 MeV [22.590 MeV] (A_Zr:681)
92Zr40 + 10 D* --> 91Zr40 + 21Ne10 + 136.526 MeV [19.420 MeV] (A_Zr:682)
92Zr40 + 10 D* --> 92Zr40 + 20Ne10 + 138.399 MeV [21.294 MeV] (A_Zr:683)
92Zr40 + 10 D* --> 93Nb41 + 19F9 + 131.599 MeV [14.494 MeV] (A_Zr:684)
92Zr40 + 10 D* --> 94Mo42 + 18O8 + 132.095 MeV [14.989 MeV] (A_Zr:685)
92Zr40 + 10 D* --> 95Mo42 + 17O8 + 131.420 MeV [14.315 MeV] (A_Zr:686)
92Zr40 + 10 D* --> 96Mo42 + 16O8 + 136.431 MeV [19.326 MeV] (A_Zr:687)
92Zr40 + 10 D* --> 99Ru44 + 13C6 + 127.395 MeV [10.290 MeV] (A_Zr:688)
92Zr40 + 10 D* --> 100Ru44 + 12C6 + 132.122 MeV [15.017 MeV] (A_Zr:689)
92Zr40 + 10 D* --> 108Cd48 + 4He2 + 129.731 MeV [12.626 MeV] (A_Zr:690)
92Zr40 + 10 D* --> 112Sn50 + 131.565 MeV [14.459 MeV] (A_Zr:691)

92Zr40 + 11 D* --> 64Ni28 + 50V23 + 172.360 MeV [41.689 MeV] (A_Zr:692)
92Zr40 + 11 D* --> 65Cu29 + 49Ti22 + 171.862 MeV [41.190 MeV] (A_Zr:693)
92Zr40 + 11 D* --> 71Ga31 + 43Ca20 + 164.588 MeV [33.917 MeV] (A_Zr:694)
92Zr40 + 11 D* --> 73Ge32 + 41K19 + 162.896 MeV [32.224 MeV] (A_Zr:695)
92Zr40 + 11 D* --> 74Ge32 + 40K19 + 162.997 MeV [32.325 MeV] (A_Zr:696)
92Zr40 + 11 D* --> 77Se34 + 37Cl17 + 162.400 MeV [31.729 MeV] (A_Zr:697)
92Zr40 + 11 D* --> 81Br35 + 33S16 + 160.600 MeV [29.929 MeV] (A_Zr:698)
92Zr40 + 11 D* --> 83Kr36 + 31P15 + 160.462 MeV [29.790 MeV] (A_Zr:699)
92Zr40 + 11 D* --> 85Rb37 + 29Si14 + 160.101 MeV [29.430 MeV] (A_Zr:700)
92Zr40 + 11 D* --> 87Sr38 + 27Al13 + 158.116 MeV [27.445 MeV] (A_Zr:701)
92Zr40 + 11 D* --> 89Y39 + 25Mg12 + 156.934 MeV [26.262 MeV] (A_Zr:702)
92Zr40 + 11 D* --> 91Zr40 + 23Na11 + 153.459 MeV [22.788 MeV] (A_Zr:703)
92Zr40 + 11 D* --> 93Nb41 + 21Ne10 + 148.979 MeV [18.308 MeV] (A_Zr:704)
92Zr40 + 11 D* --> 95Mo42 + 19F9 + 145.234 MeV [14.563 MeV] (A_Zr:705)
92Zr40 + 11 D* --> 99Ru44 + 15N7 + 143.555 MeV [12.883 MeV] (A_Zr:706)
92Zr40 + 11 D* --> 100Ru44 + 14N7 + 142.395 MeV [11.723 MeV] (A_Zr:707)
92Zr40 + 11 D* --> 104Pd46 + 10B5 + 133.378 MeV [2.707 MeV] (A_Zr:708)
92Zr40 + 11 D* --> 108Cd48 + 6Li3 + 131.205 MeV [00.533 MeV] (A_Zr:709)
92Zr40 + 11 D* --> 112Sn50 + 2H1 + 131.565 MeV [00.893 MeV] (A_Zr:710)

92Zr40 + 12 D* --> 58Fe26 + 58Fe26 + 193.482 MeV [48.921 MeV] (A_Zr:711)
92Zr40 + 12 D* --> 62Ni28 + 54Cr24 + 192.853 MeV [48.292 MeV] (A_Zr:712)
92Zr40 + 12 D* --> 64Ni28 + 52Cr24 + 191.691 MeV [47.130 MeV] (A_Zr:713)
92Zr40 + 12 D* --> 65Cu29 + 51V23 + 188.640 MeV [44.079 MeV] (A_Zr:714)
92Zr40 + 12 D* --> 66Zn30 + 50Ti22 + 189.501 MeV [44.940 MeV] (A_Zr:715)
92Zr40 + 12 D* --> 67Zn30 + 49Ti22 + 185.614 MeV [41.053 MeV] (A_Zr:716)
92Zr40 + 12 D* --> 68Zn30 + 48Ti22 + 187.670 MeV [43.109 MeV] (A_Zr:717)
92Zr40 + 12 D* --> 70Zn30 + 46Ti22 + 182.863 MeV [38.302 MeV] (A_Zr:718)
92Zr40 + 12 D* --> 71Ga31 + 45Sc21 + 180.383 MeV [35.822 MeV] (A_Zr:719)
92Zr40 + 12 D* --> 70Ge32 + 46Ca20 + 182.873 MeV [38.312 MeV] (A_Zr:720)
92Zr40 + 12 D* --> 72Ge32 + 44Ca20 + 183.229 MeV [38.668 MeV] (A_Zr:721)
92Zr40 + 12 D* --> 73Ge32 + 43Ca20 + 178.881 MeV [34.320 MeV] (A_Zr:722)
92Zr40 + 12 D* --> 74Ge32 + 42Ca20 + 181.144 MeV [36.583 MeV] (A_Zr:723)
92Zr40 + 12 D* --> 76Ge32 + 40Ca20 + 177.234 MeV [32.673 MeV] (A_Zr:724)
92Zr40 + 12 D* --> 75As33 + 41K19 + 177.766 MeV [33.205 MeV] (A_Zr:725)
92Zr40 + 12 D* --> 76Se34 + 40Ar18 + 179.467 MeV [34.906 MeV] (A_Zr:726)

92Zr40 + 12 D* --> 78Se34 + 38Ar18 + 180.915 MeV [36.354 MeV] (A_Zr:727)
92Zr40 + 12 D* --> 80Se34 + 36Ar18 + 177.166 MeV [32.605 MeV] (A_Zr:728)
92Zr40 + 12 D* --> 79Br35 + 37Cl17 + 177.005 MeV [32.444 MeV] (A_Zr:729)
92Zr40 + 12 D* --> 81Br35 + 35Cl17 + 176.163 MeV [31.602 MeV] (A_Zr:730)
92Zr40 + 12 D* --> 80Kr36 + 36S16 + 177.731 MeV [33.170 MeV] (A_Zr:731)
92Zr40 + 12 D* --> 82Kr36 + 34S16 + 179.696 MeV [35.135 MeV] (A_Zr:732)
92Zr40 + 12 D* --> 83Kr36 + 33S16 + 175.742 MeV [31.181 MeV] (A_Zr:733)
92Zr40 + 12 D* --> 84Kr36 + 32S16 + 177.621 MeV [33.060 MeV] (A_Zr:734)
92Zr40 + 12 D* --> 85Rb37 + 31P15 + 175.783 MeV [31.222 MeV] (A_Zr:735)
92Zr40 + 12 D* --> 86Sr38 + 30Si14 + 178.131 MeV [33.570 MeV] (A_Zr:736)
92Zr40 + 12 D* --> 87Sr38 + 29Si14 + 175.950 MeV [31.389 MeV] (A_Zr:737)
92Zr40 + 12 D* --> 88Sr38 + 28Si14 + 178.589 MeV [34.028 MeV] (A_Zr:738)
92Zr40 + 12 D* --> 89Y39 + 27Al13 + 174.073 MeV [29.512 MeV] (A_Zr:739)
92Zr40 + 12 D* --> 90Zr40 + 26Mg12 + 174.157 MeV [29.596 MeV] (A_Zr:740)
92Zr40 + 12 D* --> 91Zr40 + 25Mg12 + 170.258 MeV [25.697 MeV] (A_Zr:741)
92Zr40 + 12 D* --> 92Zr40 + 24Mg12 + 171.562 MeV [27.001 MeV] (A_Zr:742)
92Zr40 + 12 D* --> 93Nb41 + 23Na11 + 165.913 MeV [21.352 MeV] (A_Zr:743)
92Zr40 + 12 D* --> 94Mo42 + 22Ne10 + 165.609 MeV [21.048 MeV] (A_Zr:744)
92Zr40 + 12 D* --> 95Mo42 + 21Ne10 + 162.614 MeV [18.053 MeV] (A_Zr:745)
92Zr40 + 12 D* --> 96Mo42 + 20Ne10 + 165.007 MeV [20.446 MeV] (A_Zr:746)
92Zr40 + 12 D* --> 98Ru44 + 18O8 + 158.181 MeV [13.620 MeV] (A_Zr:747)
92Zr40 + 12 D* --> 99Ru44 + 17O8 + 157.601 MeV [13.040 MeV] (A_Zr:748)
92Zr40 + 12 D* --> 100Ru44 + 16O8 + 163.131 MeV [18.570 MeV] (A_Zr:749)
92Zr40 + 12 D* --> 104Pd46 + 12C6 + 158.565 MeV [14.004 MeV] (A_Zr:750)
92Zr40 + 12 D* --> 112Sn50 + 4He2 + 155.411 MeV [10.850 MeV] (A_Zr:751)

94Zr40 + D* --> 82Se34 + 14N7 + 00.599 MeV [-9.464 MeV] (A_Zr:752)

94Zr40 + 2 D* --> 50Ti22 + 48Ca20 + 34.645 MeV [14.156 MeV] (A_Zr:753)
94Zr40 + 2 D* --> 76Ge32 + 22Ne10 + 20.242 MeV [-0.247 MeV] (A_Zr:754)
94Zr40 + 2 D* --> 80Se34 + 18O8 + 17.546 MeV [-2.943 MeV] (A_Zr:755)
94Zr40 + 2 D* --> 82Se34 + 16O8 + 21.336 MeV [00.846 MeV] (A_Zr:756)
94Zr40 + 2 D* --> 86Kr36 + 12C6 + 22.270 MeV [1.781 MeV] (A_Zr:757)
94Zr40 + 2 D* --> 87Rb37 + 11B5 + 14.934 MeV [-5.555 MeV] (A_Zr:758)
94Zr40 + 2 D* --> 94Zr40 + 4He2 + 23.847 MeV [3.357 MeV] (A_Zr:759)
94Zr40 + 2 D* --> 98Mo42 + 27.116 MeV [6.627 MeV] (A_Zr:760)

94Zr40 + 3 D* --> 86Kr36 + 14N7 + 32.542 MeV [1.270 MeV] (A_Zr:761)
94Zr40 + 3 D* --> 87Rb37 + 13C6 + 33.613 MeV [2.341 MeV] (A_Zr:762)
94Zr40 + 3 D* --> 94Zr40 + 6Li3 + 25.320 MeV [-5.952 MeV] (A_Zr:763)
94Zr40 + 3 D* --> 98Mo42 + 2H1 + 27.116 MeV [-4.156 MeV] (A_Zr:764)

94Zr40 + 4 D* --> 54Cr24 + 48Ca20 + 66.423 MeV [24.015 MeV] (A_Zr:765)
94Zr40 + 4 D* --> 76Ge32 + 26Mg12 + 54.704 MeV [12.296 MeV] (A_Zr:766)
94Zr40 + 4 D* --> 80Se34 + 22Ne10 + 51.061 MeV [8.653 MeV] (A_Zr:767)
94Zr40 + 4 D* --> 82Se34 + 20Ne10 + 49.912 MeV [7.504 MeV] (A_Zr:768)
94Zr40 + 4 D* --> 84Kr36 + 18O8 + 48.489 MeV [6.081 MeV] (A_Zr:769)
94Zr40 + 4 D* --> 86Kr36 + 16O8 + 53.279 MeV [10.871 MeV] (A_Zr:770)
94Zr40 + 4 D* --> 87Rb37 + 15N7 + 49.772 MeV [7.364 MeV] (A_Zr:771)
94Zr40 + 4 D* --> 98Mo42 + 4He2 + 50.963 MeV [8.555 MeV] (A_Zr:772)
94Zr40 + 4 D* --> 102Ru44 + 54.374 MeV [11.966 MeV] (A_Zr:773)

94Zr40 + 5 D* --> 87Rb37 + 17O8 + 63.818 MeV [9.926 MeV] (A_Zr:774)
94Zr40 + 5 D* --> 94Zr40 + 10B5 + 53.628 MeV [-0.265 MeV] (A_Zr:775)

94Zr40 + 5 D* --> 97Mo42 + 7Li3 + 51.044 MeV [-2.849 MeV] (A_Zr:776)
94Zr40 + 5 D* --> 98Mo42 + 6Li3 + 52.437 MeV [-1.456 MeV] (A_Zr:777)
94Zr40 + 5 D* --> 102Ru44 + 2H1 + 54.374 MeV [00.481 MeV] (A_Zr:778)

94Zr40 + 6 D* --> 58Fe26 + 48Ca20 + 97.915 MeV [32.193 MeV] (A_Zr:779)
94Zr40 + 6 D* --> 70Zn30 + 36S16 + 91.776 MeV [26.054 MeV] (A_Zr:780)
94Zr40 + 6 D* --> 76Ge32 + 30Si14 + 89.193 MeV [23.471 MeV] (A_Zr:781)
94Zr40 + 6 D* --> 80Se34 + 26Mg12 + 85.522 MeV [19.799 MeV] (A_Zr:782)
94Zr40 + 6 D* --> 82Se34 + 24Mg12 + 83.075 MeV [17.353 MeV] (A_Zr:783)
94Zr40 + 6 D* --> 84Kr36 + 22Ne10 + 82.003 MeV [16.281 MeV] (A_Zr:784)
94Zr40 + 6 D* --> 86Kr36 + 20Ne10 + 81.855 MeV [16.132 MeV] (A_Zr:785)
94Zr40 + 6 D* --> 87Rb37 + 19F9 + 77.633 MeV [11.910 MeV] (A_Zr:786)
94Zr40 + 6 D* --> 88Sr38 + 18O8 + 80.251 MeV [14.528 MeV] (A_Zr:787)
94Zr40 + 6 D* --> 94Zr40 + 12C6 + 78.814 MeV [13.092 MeV] (A_Zr:788)
94Zr40 + 6 D* --> 97Mo42 + 9Be4 + 67.740 MeV [2.018 MeV] (A_Zr:789)
94Zr40 + 6 D* --> 102Ru44 + 4He2 + 78.221 MeV [12.498 MeV] (A_Zr:790)
94Zr40 + 6 D* --> 106Pd46 + 81.450 MeV [15.727 MeV] (A_Zr:791)

94Zr40 + 7 D* --> 87Rb37 + 21Ne10 + 95.013 MeV [17.119 MeV] (A_Zr:792)
94Zr40 + 7 D* --> 94Zr40 + 14N7 + 89.087 MeV [11.193 MeV] (A_Zr:793)
94Zr40 + 7 D* --> 97Mo42 + 11B5 + 83.556 MeV [5.662 MeV] (A_Zr:794)
94Zr40 + 7 D* --> 98Mo42 + 10B5 + 80.744 MeV [2.851 MeV] (A_Zr:795)
94Zr40 + 7 D* --> 101Ru44 + 7Li3 + 77.725 MeV [-0.169 MeV] (A_Zr:796)
94Zr40 + 7 D* --> 102Ru44 + 6Li3 + 79.694 MeV [1.801 MeV] (A_Zr:797)
94Zr40 + 7 D* --> 106Pd46 + 2H1 + 81.450 MeV [3.557 MeV] (A_Zr:798)

94Zr40 + 8 D* --> 62Ni28 + 48Ca20 + 128.779 MeV [38.378 MeV] (A_Zr:799)
94Zr40 + 8 D* --> 64Ni28 + 46Ca20 + 128.053 MeV [37.652 MeV] (A_Zr:800)
94Zr40 + 8 D* --> 70Zn30 + 40Ar18 + 122.423 MeV [32.022 MeV] (A_Zr:801)
94Zr40 + 8 D* --> 74Ge32 + 36S16 + 121.905 MeV [31.504 MeV] (A_Zr:802)
94Zr40 + 8 D* --> 76Ge32 + 34S16 + 120.964 MeV [30.562 MeV] (A_Zr:803)
94Zr40 + 8 D* --> 80Se34 + 30Si14 + 120.012 MeV [29.610 MeV] (A_Zr:804)
94Zr40 + 8 D* --> 82Se34 + 28Si14 + 116.906 MeV [26.504 MeV] (A_Zr:805)
94Zr40 + 8 D* --> 84Kr36 + 26Mg12 + 116.465 MeV [26.063 MeV] (A_Zr:806)
94Zr40 + 8 D* --> 86Kr36 + 24Mg12 + 115.018 MeV [24.616 MeV] (A_Zr:807)
94Zr40 + 8 D* --> 87Rb37 + 23Na11 + 111.947 MeV [21.545 MeV] (A_Zr:808)
94Zr40 + 8 D* --> 88Sr38 + 22Ne10 + 113.765 MeV [23.364 MeV] (A_Zr:809)
94Zr40 + 8 D* --> 92Zr40 + 18O8 + 107.054 MeV [16.653 MeV] (A_Zr:810)
94Zr40 + 8 D* --> 94Zr40 + 16O8 + 109.823 MeV [19.421 MeV] (A_Zr:811)
94Zr40 + 8 D* --> 97Mo42 + 13C6 + 102.234 MeV [11.833 MeV] (A_Zr:812)
94Zr40 + 8 D* --> 98Mo42 + 12C6 + 105.931 MeV [15.529 MeV] (A_Zr:813)
94Zr40 + 8 D* --> 101Ru44 + 9Be4 + 94.421 MeV [4.019 MeV] (A_Zr:814)
94Zr40 + 8 D* --> 103Rh45 + 7Li3 + 90.933 MeV [00.531 MeV] (A_Zr:815)
94Zr40 + 8 D* --> 106Pd46 + 4He2 + 105.297 MeV [14.895 MeV] (A_Zr:816)
94Zr40 + 8 D* --> 109Ag47 + 1H1 + 99.253 MeV [8.851 MeV] (A_Zr:817)
94Zr40 + 8 D* --> 110Cd48 + 108.172 MeV [17.770 MeV] (A_Zr:818)

94Zr40 + 9 D* --> 87Rb37 + 25Mg12 + 128.745 MeV [25.502 MeV] (A_Zr:819)
94Zr40 + 9 D* --> 97Mo42 + 15N7 + 118.394 MeV [15.150 MeV] (A_Zr:820)
94Zr40 + 9 D* --> 98Mo42 + 14N7 + 116.203 MeV [12.959 MeV] (A_Zr:821)
94Zr40 + 9 D* --> 101Ru44 + 11B5 + 110.236 MeV [6.993 MeV] (A_Zr:822)
94Zr40 + 9 D* --> 102Ru44 + 10B5 + 108.002 MeV [4.758 MeV] (A_Zr:823)
94Zr40 + 9 D* --> 103Rh45 + 9Be4 + 107.629 MeV [4.385 MeV] (A_Zr:824)
94Zr40 + 9 D* --> 105Pd46 + 7Li3 + 104.459 MeV [1.216 MeV] (A_Zr:825)

94Zr40 + 9 D* --> 106Pd46 + 6Li3 + 106.770 MeV [3.527 MeV] (A_Zr:826)
94Zr40 + 9 D* --> 109Ag47 + 3He2 + 104.746 MeV [1.502 MeV] (A_Zr:827)
94Zr40 + 9 D* --> 110Cd48 + 2H1 + 108.172 MeV [4.928 MeV] (A_Zr:828)
94Zr40 + 9 D* --> 111Cd48 + 1H1 + 112.923 MeV [9.680 MeV] (A_Zr:829)

94Zr40 + 10 D* --> 64Ni28 + 50Ti22 + 162.616 MeV [46.200 MeV] (A_Zr:830)
94Zr40 + 10 D* --> 66Zn30 + 48Ca20 + 157.204 MeV [40.788 MeV] (A_Zr:831)
94Zr40 + 10 D* --> 68Zn30 + 46Ca20 + 157.233 MeV [40.816 MeV] (A_Zr:832)
94Zr40 + 10 D* --> 70Zn30 + 44Ca20 + 155.124 MeV [38.707 MeV] (A_Zr:833)
94Zr40 + 10 D* --> 74Ge32 + 40Ar18 + 152.553 MeV [36.136 MeV] (A_Zr:834)
94Zr40 + 10 D* --> 76Ge32 + 38Ar18 + 152.018 MeV [35.602 MeV] (A_Zr:835)
94Zr40 + 10 D* --> 78Se34 + 36S16 + 151.781 MeV [35.364 MeV] (A_Zr:836)
94Zr40 + 10 D* --> 80Se34 + 34S16 + 151.782 MeV [35.366 MeV] (A_Zr:837)
94Zr40 + 10 D* --> 82Se34 + 32S16 + 147.700 MeV [31.284 MeV] (A_Zr:838)
94Zr40 + 10 D* --> 84Kr36 + 30Si14 + 150.954 MeV [34.538 MeV] (A_Zr:839)
94Zr40 + 10 D* --> 86Kr36 + 28Si14 + 148.849 MeV [32.432 MeV] (A_Zr:840)
94Zr40 + 10 D* --> 87Rb37 + 27Al13 + 145.885 MeV [29.469 MeV] (A_Zr:841)
94Zr40 + 10 D* --> 88Sr38 + 26Mg12 + 148.227 MeV [31.810 MeV] (A_Zr:842)
94Zr40 + 10 D* --> 92Zr40 + 22Ne10 + 140.569 MeV [24.153 MeV] (A_Zr:843)
94Zr40 + 10 D* --> 94Zr40 + 20Ne10 + 138.399 MeV [21.983 MeV] (A_Zr:844)
94Zr40 + 10 D* --> 96Mo42 + 18O8 + 133.662 MeV [17.246 MeV] (A_Zr:845)
94Zr40 + 10 D* --> 97Mo42 + 17O8 + 132.440 MeV [16.023 MeV] (A_Zr:846)
94Zr40 + 10 D* --> 98Mo42 + 16O8 + 136.939 MeV [20.523 MeV] (A_Zr:847)
94Zr40 + 10 D* --> 101Ru44 + 13C6 + 128.915 MeV [12.499 MeV] (A_Zr:848)
94Zr40 + 10 D* --> 102Ru44 + 12C6 + 133.188 MeV [16.772 MeV] (A_Zr:849)
94Zr40 + 10 D* --> 103Rh45 + 11B5 + 123.445 MeV [7.028 MeV] (A_Zr:850)
94Zr40 + 10 D* --> 105Pd46 + 9Be4 + 121.156 MeV [4.739 MeV] (A_Zr:851)
94Zr40 + 10 D* --> 107Ag47 + 7Li3 + 117.584 MeV [1.168 MeV] (A_Zr:852)
94Zr40 + 10 D* --> 110Cd48 + 4He2 + 132.018 MeV [15.602 MeV] (A_Zr:853)
94Zr40 + 10 D* --> 111Cd48 + 3He2 + 118.417 MeV [2.000 MeV] (A_Zr:854)
94Zr40 + 10 D* --> 113In49 + 1H1 + 126.171 MeV [9.755 MeV] (A_Zr:855)
94Zr40 + 10 D* --> 114Sn50 + 134.651 MeV [18.235 MeV] (A_Zr:856)

94Zr40 + 11 D* --> 76Ge32 + 40K19 + 163.974 MeV [34.058 MeV] (A_Zr:857)
94Zr40 + 11 D* --> 87Rb37 + 29Si14 + 163.719 MeV [33.803 MeV] (A_Zr:858)
94Zr40 + 11 D* --> 97Mo42 + 19F9 + 146.254 MeV [16.338 MeV] (A_Zr:859)
94Zr40 + 11 D* --> 101Ru44 + 15N7 + 145.074 MeV [15.158 MeV] (A_Zr:860)
94Zr40 + 11 D* --> 102Ru44 + 14N7 + 143.461 MeV [13.545 MeV] (A_Zr:861)
94Zr40 + 11 D* --> 103Rh45 + 13C6 + 142.123 MeV [12.207 MeV] (A_Zr:862)
94Zr40 + 11 D* --> 105Pd46 + 11B5 + 136.971 MeV [7.055 MeV] (A_Zr:863)
94Zr40 + 11 D* --> 106Pd46 + 10B5 + 135.078 MeV [5.162 MeV] (A_Zr:864)
94Zr40 + 11 D* --> 107Ag47 + 9Be4 + 134.280 MeV [4.364 MeV] (A_Zr:865)
94Zr40 + 11 D* --> 110Cd48 + 6Li3 + 133.492 MeV [3.576 MeV] (A_Zr:866)
94Zr40 + 11 D* --> 113In49 + 3He2 + 131.665 MeV [1.749 MeV] (A_Zr:867)
94Zr40 + 11 D* --> 114Sn50 + 2H1 + 134.651 MeV [4.735 MeV] (A_Zr:868)
94Zr40 + 11 D* --> 115Sn50 + 1H1 + 139.973 MeV [10.057 MeV] (A_Zr:869)

94Zr40 + 12 D* --> 64Ni28 + 54Cr24 + 194.394 MeV [50.654 MeV] (A_Zr:870)
94Zr40 + 12 D* --> 68Zn30 + 50Ti22 + 191.796 MeV [48.056 MeV] (A_Zr:871)
94Zr40 + 12 D* --> 70Zn30 + 48Ti22 + 188.414 MeV [44.675 MeV] (A_Zr:872)
94Zr40 + 12 D* --> 70Ge32 + 48Ca20 + 185.139 MeV [41.399 MeV] (A_Zr:873)
94Zr40 + 12 D* --> 72Ge32 + 46Ca20 + 186.083 MeV [42.343 MeV] (A_Zr:874)
94Zr40 + 12 D* --> 74Ge32 + 44Ca20 + 185.253 MeV [41.513 MeV] (A_Zr:875)
94Zr40 + 12 D* --> 76Ge32 + 42Ca20 + 182.122 MeV [38.382 MeV] (A_Zr:876)

94Zr40 + 12 D* --> 78Se34 + 40Ar18 + 182.428 MeV [38.688 MeV] (A_Zr:877)
94Zr40 + 12 D* --> 80Se34 + 38Ar18 + 182.836 MeV [39.097 MeV] (A_Zr:878)
94Zr40 + 12 D* --> 82Se34 + 36Ar18 + 178.187 MeV [34.448 MeV] (A_Zr:879)
94Zr40 + 12 D* --> 81Br35 + 37Cl17 + 180.098 MeV [36.359 MeV] (A_Zr:880)
94Zr40 + 12 D* --> 82Kr36 + 36S16 + 181.615 MeV [37.876 MeV] (A_Zr:881)
94Zr40 + 12 D* --> 84Kr36 + 34S16 + 182.725 MeV [38.985 MeV] (A_Zr:882)
94Zr40 + 12 D* --> 86Kr36 + 32S16 + 179.643 MeV [35.903 MeV] (A_Zr:883)
94Zr40 + 12 D* --> 87Rb37 + 31P15 + 179.401 MeV [35.661 MeV] (A_Zr:884)
94Zr40 + 12 D* --> 88Sr38 + 30Si14 + 182.716 MeV [38.977 MeV] (A_Zr:885)
94Zr40 + 12 D* --> 92Zr40 + 26Mg12 + 175.030 MeV [31.291 MeV] (A_Zr:886)
94Zr40 + 12 D* --> 94Zr40 + 24Mg12 + 171.562 MeV [27.823 MeV] (A_Zr:887)
94Zr40 + 12 D* --> 96Mo42 + 22Ne10 + 167.177 MeV [23.437 MeV] (A_Zr:888)
94Zr40 + 12 D* --> 97Mo42 + 21Ne10 + 163.634 MeV [19.894 MeV] (A_Zr:889)
94Zr40 + 12 D* --> 98Mo42 + 20Ne10 + 165.515 MeV [21.776 MeV] (A_Zr:890)
94Zr40 + 12 D* --> 100Ru44 + 18O8 + 160.362 MeV [16.623 MeV] (A_Zr:891)
94Zr40 + 12 D* --> 101Ru44 + 17O8 + 159.120 MeV [15.381 MeV] (A_Zr:892)
94Zr40 + 12 D* --> 102Ru44 + 16O8 + 164.197 MeV [20.457 MeV] (A_Zr:893)
94Zr40 + 12 D* --> 103Rh45 + 15N7 + 158.283 MeV [14.543 MeV] (A_Zr:894)
94Zr40 + 12 D* --> 105Pd46 + 13C6 + 155.650 MeV [11.910 MeV] (A_Zr:895)
94Zr40 + 12 D* --> 106Pd46 + 12C6 + 160.264 MeV [16.525 MeV] (A_Zr:896)
94Zr40 + 12 D* --> 107Ag47 + 11B5 + 150.096 MeV [6.356 MeV] (A_Zr:897)
94Zr40 + 12 D* --> 114Sn50 + 4He2 + 158.498 MeV [14.758 MeV] (A_Zr:898)
94Zr40 + 12 D* --> 115Sn50 + 3He2 + 145.467 MeV [1.727 MeV] (A_Zr:899)

96Zr40 + 2 D* --> 82Se34 + 18O8 + 19.204 MeV [-1.147 MeV] (A_Zr:900)
96Zr40 + 2 D* --> 96Zr40 + 4He2 + 23.847 MeV [3.495 MeV] (A_Zr:901)
96Zr40 + 2 D* --> 100Mo42 + 27.013 MeV [6.661 MeV] (A_Zr:902)

96Zr40 + 3 D* --> 96Zr40 + 6Li3 + 25.320 MeV [-5.746 MeV] (A_Zr:903)
96Zr40 + 3 D* --> 100Mo42 + 2H1 + 27.013 MeV [-4.053 MeV] (A_Zr:904)

96Zr40 + 4 D* --> 82Se34 + 22Ne10 + 52.719 MeV [10.584 MeV] (A_Zr:905)
96Zr40 + 4 D* --> 86Kr36 + 18O8 + 51.147 MeV [9.013 MeV] (A_Zr:906)
96Zr40 + 4 D* --> 100Mo42 + 4He2 + 50.859 MeV [8.725 MeV] (A_Zr:907)
96Zr40 + 4 D* --> 104Ru44 + 55.189 MeV [13.055 MeV] (A_Zr:908)

96Zr40 + 5 D* --> 96Zr40 + 10B5 + 53.628 MeV [00.076 MeV] (A_Zr:909)
96Zr40 + 5 D* --> 100Mo42 + 6Li3 + 52.333 MeV [-1.218 MeV] (A_Zr:910)
96Zr40 + 5 D* --> 104Ru44 + 2H1 + 55.189 MeV [1.637 MeV] (A_Zr:911)

96Zr40 + 6 D* --> 82Se34 + 26Mg12 + 87.180 MeV [21.866 MeV] (A_Zr:912)
96Zr40 + 6 D* --> 86Kr36 + 22Ne10 + 84.662 MeV [19.348 MeV] (A_Zr:913)
96Zr40 + 6 D* --> 96Zr40 + 12C6 + 78.814 MeV [13.500 MeV] (A_Zr:914)
96Zr40 + 6 D* --> 104Ru44 + 4He2 + 79.035 MeV [13.721 MeV] (A_Zr:915)
96Zr40 + 6 D* --> 108Pd46 + 82.896 MeV [17.582 MeV] (A_Zr:916)

96Zr40 + 7 D* --> 96Zr40 + 14N7 + 89.087 MeV [11.668 MeV] (A_Zr:917)
96Zr40 + 7 D* --> 100Mo42 + 10B5 + 80.641 MeV [3.222 MeV] (A_Zr:918)
96Zr40 + 7 D* --> 104Ru44 + 6Li3 + 80.509 MeV [3.091 MeV] (A_Zr:919)
96Zr40 + 7 D* --> 108Pd46 + 2H1 + 82.896 MeV [5.477 MeV] (A_Zr:920)

96Zr40 + 8 D* --> 64Ni28 + 48Ca20 + 130.956 MeV [41.096 MeV] (A_Zr:921)
96Zr40 + 8 D* --> 76Ge32 + 36S16 + 123.520 MeV [33.660 MeV] (A_Zr:922)

96Zr40 + 8 D* --> 82Se34 + 30Si14 + 121.670 MeV [31.810 MeV] (A_Zr:923)
96Zr40 + 8 D* --> 86Kr36 + 26Mg12 + 119.123 MeV [29.263 MeV] (A_Zr:924)
96Zr40 + 8 D* --> 94Zr40 + 18O8 + 107.691 MeV [17.831 MeV] (A_Zr:925)
96Zr40 + 8 D* --> 96Zr40 + 16O8 + 109.823 MeV [19.963 MeV] (A_Zr:926)
96Zr40 + 8 D* --> 100Mo42 + 12C6 + 105.827 MeV [15.967 MeV] (A_Zr:927)
96Zr40 + 8 D* --> 108Pd46 + 4He2 + 106.742 MeV [16.882 MeV] (A_Zr:928)
96Zr40 + 8 D* --> 112Cd48 + 110.224 MeV [20.363 MeV] (A_Zr:929)

96Zr40 + 9 D* --> 100Mo42 + 14N7 + 116.100 MeV [13.463 MeV] (A_Zr:930)
96Zr40 + 9 D* --> 104Ru44 + 10B5 + 108.817 MeV [6.180 MeV] (A_Zr:931)
96Zr40 + 9 D* --> 108Pd46 + 6Li3 + 108.216 MeV [5.580 MeV] (A_Zr:932)
96Zr40 + 9 D* --> 112Cd48 + 2H1 + 110.224 MeV [7.587 MeV] (A_Zr:933)
96Zr40 + 9 D* --> 113Cd48 + 1H1 + 114.539 MeV [11.903 MeV] (A_Zr:934)

96Zr40 + 10 D* --> 68Zn30 + 48Ca20 + 160.136 MeV [44.392 MeV] (A_Zr:935)
96Zr40 + 10 D* --> 70Zn30 + 46Ca20 + 158.614 MeV [42.871 MeV] (A_Zr:936)
96Zr40 + 10 D* --> 76Ge32 + 40Ar18 + 154.167 MeV [38.424 MeV] (A_Zr:937)
96Zr40 + 10 D* --> 80Se34 + 36S16 + 154.338 MeV [38.595 MeV] (A_Zr:938)
96Zr40 + 10 D* --> 82Se34 + 34S16 + 153.440 MeV [37.697 MeV] (A_Zr:939)
96Zr40 + 10 D* --> 86Kr36 + 30Si14 + 153.613 MeV [37.870 MeV] (A_Zr:940)
96Zr40 + 10 D* --> 94Zr40 + 22Ne10 + 141.206 MeV [25.463 MeV] (A_Zr:941)
96Zr40 + 10 D* --> 96Zr40 + 20Ne10 + 138.399 MeV [22.656 MeV] (A_Zr:942)
96Zr40 + 10 D* --> 98Mo42 + 18O8 + 134.808 MeV [19.064 MeV] (A_Zr:943)
96Zr40 + 10 D* --> 100Mo42 + 16O8 + 136.836 MeV [21.092 MeV] (A_Zr:944)
96Zr40 + 10 D* --> 104Ru44 + 12C6 + 134.003 MeV [18.260 MeV] (A_Zr:945)
96Zr40 + 10 D* --> 109Ag47 + 7Li3 + 119.729 MeV [3.986 MeV] (A_Zr:946)
96Zr40 + 10 D* --> 112Cd48 + 4He2 + 134.070 MeV [18.327 MeV] (A_Zr:947)
96Zr40 + 10 D* --> 113Cd48 + 3He2 + 120.032 MeV [4.289 MeV] (A_Zr:948)
96Zr40 + 10 D* --> 115In49 + 1H1 + 128.162 MeV [12.419 MeV] (A_Zr:949)
96Zr40 + 10 D* --> 116Sn50 + 137.443 MeV [21.699 MeV] (A_Zr:950)

96Zr40 + 11 D* --> 104Ru44 + 14N7 + 144.276 MeV [15.098 MeV] (A_Zr:951)
96Zr40 + 11 D* --> 108Pd46 + 10B5 + 136.524 MeV [7.346 MeV] (A_Zr:952)
96Zr40 + 11 D* --> 109Ag47 + 9Be4 + 136.425 MeV [7.247 MeV] (A_Zr:953)
96Zr40 + 11 D* --> 111Cd48 + 7Li3 + 133.400 MeV [4.222 MeV] (A_Zr:954)
96Zr40 + 11 D* --> 112Cd48 + 6Li3 + 135.544 MeV [6.366 MeV] (A_Zr:955)
96Zr40 + 11 D* --> 115In49 + 3He2 + 133.656 MeV [4.478 MeV] (A_Zr:956)
96Zr40 + 11 D* --> 116Sn50 + 2H1 + 137.443 MeV [8.265 MeV] (A_Zr:957)
96Zr40 + 11 D* --> 117Sn50 + 1H1 + 142.161 MeV [12.983 MeV] (A_Zr:958)

96Zr40 + 12 D* --> 70Zn30 + 50Ti22 + 193.177 MeV [50.241 MeV] (A_Zr:959)
96Zr40 + 12 D* --> 72Ge32 + 48Ca20 + 188.986 MeV [46.049 MeV] (A_Zr:960)
96Zr40 + 12 D* --> 74Ge32 + 46Ca20 + 188.743 MeV [45.807 MeV] (A_Zr:961)
96Zr40 + 12 D* --> 76Ge32 + 44Ca20 + 186.867 MeV [43.931 MeV] (A_Zr:962)
96Zr40 + 12 D* --> 80Se34 + 40Ar18 + 184.986 MeV [42.049 MeV] (A_Zr:963)
96Zr40 + 12 D* --> 82Se34 + 38Ar18 + 184.494 MeV [41.558 MeV] (A_Zr:964)
96Zr40 + 12 D* --> 84Kr36 + 36S16 + 185.281 MeV [42.344 MeV] (A_Zr:965)
96Zr40 + 12 D* --> 86Kr36 + 34S16 + 185.383 MeV [42.447 MeV] (A_Zr:966)
96Zr40 + 12 D* --> 94Zr40 + 26Mg12 + 175.667 MeV [32.731 MeV] (A_Zr:967)
96Zr40 + 12 D* --> 96Zr40 + 24Mg12 + 171.562 MeV [28.626 MeV] (A_Zr:968)
96Zr40 + 12 D* --> 98Mo42 + 22Ne10 + 168.322 MeV [25.386 MeV] (A_Zr:969)
96Zr40 + 12 D* --> 100Mo42 + 20Ne10 + 165.412 MeV [22.475 MeV] (A_Zr:970)
96Zr40 + 12 D* --> 102Ru44 + 18O8 + 162.065 MeV [19.129 MeV] (A_Zr:971)
96Zr40 + 12 D* --> 104Ru44 + 16O8 + 165.012 MeV [22.075 MeV] (A_Zr:972)

96Zr40 + 12 D* --> 108Pd46 + 12C6 + 161.710 MeV [18.774 MeV] (A_Zr:973)
96Zr40 + 12 D* --> 109Ag47 + 11B5 + 152.241 MeV [9.304 MeV] (A_Zr:974)
96Zr40 + 12 D* --> 111Cd48 + 9Be4 + 150.096 MeV [7.159 MeV] (A_Zr:975)
96Zr40 + 12 D* --> 113In49 + 7Li3 + 146.647 MeV [3.711 MeV] (A_Zr:976)
96Zr40 + 12 D* --> 116Sn50 + 4He2 + 161.289 MeV [18.352 MeV] (A_Zr:977)
96Zr40 + 12 D* --> 117Sn50 + 3He2 + 147.655 MeV [4.718 MeV] (A_Zr:978)
96Zr40 + 12 D* --> 120Te52 + 161.590 MeV [18.654 MeV] (A_Zr:979)

---------- Equations follow for Niobium, Nb, element 41 ----------

93Nb41 + D* --> 48Ca20 + 47Ti22 + 15.074 MeV [4.723 MeV] (A_Nb:1)
93Nb41 + D* --> 49Ti22 + 46Ca20 + 17.621 MeV [7.270 MeV] (A_Nb:2)
93Nb41 + D* --> 70Zn30 + 25Mg12 + 8.685 MeV [-1.666 MeV] (A_Nb:3)
93Nb41 + D* --> 73Ge32 + 22Ne10 + 5.250 MeV [-5.102 MeV] (A_Nb:4)
93Nb41 + D* --> 74Ge32 + 21Ne10 + 5.082 MeV [-5.270 MeV] (A_Nb:5)
93Nb41 + D* --> 77Se34 + 18O8 + 1.309 MeV [-9.043 MeV] (A_Nb:6)
93Nb41 + D* --> 78Se34 + 17O8 + 3.762 MeV [-6.589 MeV] (A_Nb:7)
93Nb41 + D* --> 81Br35 + 14N7 + 1.039 MeV [-9.312 MeV] (A_Nb:8)
93Nb41 + D* --> 82Kr36 + 13C6 + 3.392 MeV [-6.959 MeV] (A_Nb:9)
93Nb41 + D* --> 83Kr36 + 12C6 + 5.909 MeV [-4.442 MeV] (A_Nb:10)
93Nb41 + D* --> 91Zr40 + 4He2 + 11.393 MeV [1.042 MeV] (A_Nb:11)
93Nb41 + D* --> 95Mo42 + 13.635 MeV [3.284 MeV] (A_Nb:12)

93Nb41 + 2 D* --> 51V23 + 46Ca20 + 34.400 MeV [13.339 MeV] (A_Nb:13)
93Nb41 + 2 D* --> 70Zn30 + 27Al13 + 25.824 MeV [4.764 MeV] (A_Nb:14)
93Nb41 + 2 D* --> 71Ga31 + 26Mg12 + 25.418 MeV [4.357 MeV] (A_Nb:15)
93Nb41 + 2 D* --> 74Ge32 + 23Na11 + 22.015 MeV [00.955 MeV] (A_Nb:16)
93Nb41 + 2 D* --> 75As33 + 22Ne10 + 20.120 MeV [-0.940 MeV] (A_Nb:17)
93Nb41 + 2 D* --> 78Se34 + 19F9 + 17.577 MeV [-3.484 MeV] (A_Nb:18)
93Nb41 + 2 D* --> 79Br35 + 18O8 + 15.913 MeV [-5.148 MeV] (A_Nb:19)
93Nb41 + 2 D* --> 81Br35 + 16O8 + 21.775 MeV [00.714 MeV] (A_Nb:20)
93Nb41 + 2 D* --> 82Kr36 + 15N7 + 19.551 MeV [-1.510 MeV] (A_Nb:21)
93Nb41 + 2 D* --> 83Kr36 + 14N7 + 16.181 MeV [-4.879 MeV] (A_Nb:22)
93Nb41 + 2 D* --> 85Rb37 + 12C6 + 21.230 MeV [00.170 MeV] (A_Nb:23)
93Nb41 + 2 D* --> 86Sr38 + 11B5 + 14.919 MeV [-6.142 MeV] (A_Nb:24)
93Nb41 + 2 D* --> 87Sr38 + 10B5 + 11.893 MeV [-9.168 MeV] (A_Nb:25)
93Nb41 + 2 D* --> 90Zr40 + 7Li3 + 12.922 MeV [-8.138 MeV] (A_Nb:26)
93Nb41 + 2 D* --> 91Zr40 + 6Li3 + 12.867 MeV [-8.194 MeV] (A_Nb:27)
93Nb41 + 2 D* --> 93Nb41 + 4He2 + 23.847 MeV [2.786 MeV] (A_Nb:28)
93Nb41 + 2 D* --> 95Mo42 + 2H1 + 13.635 MeV [-7.426 MeV] (A_Nb:29)
93Nb41 + 2 D* --> 96Mo42 + 1H1 + 20.565 MeV [-0.496 MeV] (A_Nb:30)

93Nb41 + 3 D* --> 50Ti22 + 49Ti22 + 52.184 MeV [20.060 MeV] (A_Nb:31)
93Nb41 + 3 D* --> 53Cr24 + 46Ca20 + 50.619 MeV [18.495 MeV] (A_Nb:32)
93Nb41 + 3 D* --> 70Zn30 + 29Si14 + 43.659 MeV [11.535 MeV] (A_Nb:33)
93Nb41 + 3 D* --> 73Ge32 + 26Mg12 + 39.711 MeV [7.587 MeV] (A_Nb:34)
93Nb41 + 3 D* --> 74Ge32 + 25Mg12 + 38.814 MeV [6.690 MeV] (A_Nb:35)
93Nb41 + 3 D* --> 77Se34 + 22Ne10 + 34.823 MeV [2.699 MeV] (A_Nb:36)
93Nb41 + 3 D* --> 78Se34 + 21Ne10 + 34.957 MeV [2.833 MeV] (A_Nb:37)
93Nb41 + 3 D* --> 82Kr36 + 17O8 + 33.597 MeV [1.473 MeV] (A_Nb:38)
93Nb41 + 3 D* --> 83Kr36 + 16O8 + 36.918 MeV [4.794 MeV] (A_Nb:39)
93Nb41 + 3 D* --> 85Rb37 + 14N7 + 31.503 MeV [-0.621 MeV] (A_Nb:40)
93Nb41 + 3 D* --> 86Sr38 + 13C6 + 33.597 MeV [1.473 MeV] (A_Nb:41)
93Nb41 + 3 D* --> 87Sr38 + 12C6 + 37.079 MeV [4.955 MeV] (A_Nb:42)

93Nb41 + 3 D* --> 89Y39 + 10B5 + 27.850 MeV [-4.274 MeV] (A_Nb:43)
93Nb41 + 3 D* --> 90Zr40 + 9Be4 + 29.619 MeV [-2.506 MeV] (A_Nb:44)
93Nb41 + 3 D* --> 93Nb41 + 6Li3 + 25.320 MeV [-6.804 MeV] (A_Nb:45)
93Nb41 + 3 D* --> 95Mo42 + 4He2 + 37.481 MeV [5.357 MeV] (A_Nb:46)
93Nb41 + 3 D* --> 96Mo42 + 3He2 + 26.058 MeV [-6.066 MeV] (A_Nb:47)
93Nb41 + 3 D* --> 99Ru44 + 39.816 MeV [7.692 MeV] (A_Nb:48)

93Nb41 + 4 D* --> 51V23 + 50Ti22 + 68.963 MeV [25.426 MeV] (A_Nb:49)
93Nb41 + 4 D* --> 55Mn25 + 46Ca20 + 66.180 MeV [22.643 MeV] (A_Nb:50)
93Nb41 + 4 D* --> 64Ni28 + 37Cl17 + 64.195 MeV [20.658 MeV] (A_Nb:51)
93Nb41 + 4 D* --> 65Cu29 + 36S16 + 63.262 MeV [19.725 MeV] (A_Nb:52)
93Nb41 + 4 D* --> 70Zn30 + 31P15 + 59.340 MeV [15.803 MeV] (A_Nb:53)
93Nb41 + 4 D* --> 71Ga31 + 30Si14 + 59.908 MeV [16.371 MeV] (A_Nb:54)
93Nb41 + 4 D* --> 74Ge32 + 27Al13 + 55.954 MeV [12.417 MeV] (A_Nb:55)
93Nb41 + 4 D* --> 75As33 + 26Mg12 + 54.582 MeV [11.045 MeV] (A_Nb:56)
93Nb41 + 4 D* --> 78Se34 + 23Na11 + 51.891 MeV [8.354 MeV] (A_Nb:57)
93Nb41 + 4 D* --> 79Br35 + 22Ne10 + 49.428 MeV [5.891 MeV] (A_Nb:58)
93Nb41 + 4 D* --> 81Br35 + 20Ne10 + 50.351 MeV [6.814 MeV] (A_Nb:59)
93Nb41 + 4 D* --> 82Kr36 + 19F9 + 47.412 MeV [3.875 MeV] (A_Nb:60)
93Nb41 + 4 D* --> 85Rb37 + 16O8 + 52.239 MeV [8.702 MeV] (A_Nb:61)
93Nb41 + 4 D* --> 86Sr38 + 15N7 + 49.757 MeV [6.220 MeV] (A_Nb:62)
93Nb41 + 4 D* --> 87Sr38 + 14N7 + 47.352 MeV [3.815 MeV] (A_Nb:63)
93Nb41 + 4 D* --> 89Y39 + 12C6 + 53.036 MeV [9.499 MeV] (A_Nb:64)
93Nb41 + 4 D* --> 90Zr40 + 11B5 + 45.434 MeV [1.897 MeV] (A_Nb:65)
93Nb41 + 4 D* --> 91Zr40 + 10B5 + 41.174 MeV [-2.363 MeV] (A_Nb:66)
93Nb41 + 4 D* --> 94Mo42 + 7Li3 + 38.836 MeV [-4.701 MeV] (A_Nb:67)
93Nb41 + 4 D* --> 95Mo42 + 6Li3 + 38.955 MeV [-4.582 MeV] (A_Nb:68)
93Nb41 + 4 D* --> 99Ru44 + 2H1 + 39.816 MeV [-3.721 MeV] (A_Nb:69)
93Nb41 + 4 D* --> 100Ru44 + 1H1 + 47.265 MeV [3.728 MeV] (A_Nb:70)

93Nb41 + 5 D* --> 53Cr24 + 50Ti22 + 85.182 MeV [29.886 MeV] (A_Nb:71)
93Nb41 + 5 D* --> 54Cr24 + 49Ti22 + 83.962 MeV [28.666 MeV] (A_Nb:72)
93Nb41 + 5 D* --> 57Fe26 + 46Ca20 + 81.786 MeV [26.490 MeV] (A_Nb:73)
93Nb41 + 5 D* --> 67Zn30 + 36S16 + 77.015 MeV [21.719 MeV] (A_Nb:74)
93Nb41 + 5 D* --> 70Zn30 + 33S16 + 74.621 MeV [19.326 MeV] (A_Nb:75)
93Nb41 + 5 D* --> 73Ge32 + 30Si14 + 74.201 MeV [18.905 MeV] (A_Nb:76)
93Nb41 + 5 D* --> 74Ge32 + 29Si14 + 73.788 MeV [18.492 MeV] (A_Nb:77)
93Nb41 + 5 D* --> 77Se34 + 26Mg12 + 69.285 MeV [13.989 MeV] (A_Nb:78)
93Nb41 + 5 D* --> 78Se34 + 25Mg12 + 68.689 MeV [13.394 MeV] (A_Nb:79)
93Nb41 + 5 D* --> 82Kr36 + 21Ne10 + 64.792 MeV [9.496 MeV] (A_Nb:80)
93Nb41 + 5 D* --> 83Kr36 + 20Ne10 + 65.494 MeV [10.199 MeV] (A_Nb:81)
93Nb41 + 5 D* --> 86Sr38 + 17O8 + 63.803 MeV [8.507 MeV] (A_Nb:82)
93Nb41 + 5 D* --> 87Sr38 + 16O8 + 68.088 MeV [12.792 MeV] (A_Nb:83)
93Nb41 + 5 D* --> 89Y39 + 14N7 + 63.309 MeV [8.013 MeV] (A_Nb:84)
93Nb41 + 5 D* --> 90Zr40 + 13C6 + 64.113 MeV [8.817 MeV] (A_Nb:85)
93Nb41 + 5 D* --> 91Zr40 + 12C6 + 66.361 MeV [11.065 MeV] (A_Nb:86)
93Nb41 + 5 D* --> 93Nb41 + 10B5 + 53.628 MeV [-1.668 MeV] (A_Nb:87)
93Nb41 + 5 D* --> 94Mo42 + 9Be4 + 55.532 MeV [00.237 MeV] (A_Nb:88)
93Nb41 + 5 D* --> 99Ru44 + 4He2 + 63.662 MeV [8.367 MeV] (A_Nb:89)
93Nb41 + 5 D* --> 100Ru44 + 3He2 + 52.758 MeV [-2.537 MeV] (A_Nb:90)

93Nb41 + 6 D* --> 54Cr24 + 51V23 + 100.740 MeV [33.344 MeV] (A_Nb:91)
93Nb41 + 6 D* --> 55Mn25 + 50Ti22 + 100.743 MeV [33.348 MeV] (A_Nb:92)
93Nb41 + 6 D* --> 59Co27 + 46Ca20 + 96.970 MeV [29.574 MeV] (A_Nb:93)

93Nb41 + 6 D* --> 64Ni28 + 41K19 + 94.264 MeV [26.869 MeV] (A_Nb:94)
93Nb41 + 6 D* --> 65Cu29 + 40Ar18 + 93.910 MeV [26.514 MeV] (A_Nb:95)
93Nb41 + 6 D* --> 68Zn30 + 37Cl17 + 93.375 MeV [25.979 MeV] (A_Nb:96)
93Nb41 + 6 D* --> 70Zn30 + 35Cl17 + 90.184 MeV [22.789 MeV] (A_Nb:97)
93Nb41 + 6 D* --> 69Ga31 + 36S16 + 91.598 MeV [24.202 MeV] (A_Nb:98)
93Nb41 + 6 D* --> 71Ga31 + 34S16 + 91.678 MeV [24.282 MeV] (A_Nb:99)
93Nb41 + 6 D* --> 74Ge32 + 31P15 + 89.469 MeV [22.074 MeV] (A_Nb:100)
93Nb41 + 6 D* --> 75As33 + 30Si14 + 89.071 MeV [21.676 MeV] (A_Nb:101)
93Nb41 + 6 D* --> 78Se34 + 27Al13 + 85.829 MeV [18.433 MeV] (A_Nb:102)
93Nb41 + 6 D* --> 79Br35 + 26Mg12 + 83.889 MeV [16.494 MeV] (A_Nb:103)
93Nb41 + 6 D* --> 81Br35 + 24Mg12 + 83.514 MeV [16.119 MeV] (A_Nb:104)
93Nb41 + 6 D* --> 82Kr36 + 23Na11 + 81.725 MeV [14.330 MeV] (A_Nb:105)
93Nb41 + 6 D* --> 85Rb37 + 20Ne10 + 80.815 MeV [13.420 MeV] (A_Nb:106)
93Nb41 + 6 D* --> 86Sr38 + 19F9 + 77.617 MeV [10.221 MeV] (A_Nb:107)
93Nb41 + 6 D* --> 89Y39 + 16O8 + 84.045 MeV [16.649 MeV] (A_Nb:108)
93Nb41 + 6 D* --> 90Zr40 + 15N7 + 80.272 MeV [12.876 MeV] (A_Nb:109)
93Nb41 + 6 D* --> 91Zr40 + 14N7 + 76.633 MeV [9.237 MeV] (A_Nb:110)
93Nb41 + 6 D* --> 93Nb41 + 12C6 + 78.814 MeV [11.419 MeV] (A_Nb:111)
93Nb41 + 6 D* --> 94Mo42 + 11B5 + 71.348 MeV [3.952 MeV] (A_Nb:112)
93Nb41 + 6 D* --> 95Mo42 + 10B5 + 67.263 MeV [-0.133 MeV] (A_Nb:113)
93Nb41 + 6 D* --> 98Ru44 + 7Li3 + 64.922 MeV [-2.473 MeV] (A_Nb:114)
93Nb41 + 6 D* --> 99Ru44 + 6Li3 + 65.136 MeV [-2.259 MeV] (A_Nb:115)
93Nb41 + 6 D* --> 104Pd46 + 1H1 + 73.707 MeV [6.311 MeV] (A_Nb:116)

93Nb41 + 7 D* --> 54Cr24 + 53Cr24 + 116.959 MeV [37.125 MeV] (A_Nb:117)
93Nb41 + 7 D* --> 57Fe26 + 50Ti22 + 116.349 MeV [36.515 MeV] (A_Nb:118)
93Nb41 + 7 D* --> 58Fe26 + 49Ti22 + 115.454 MeV [35.620 MeV] (A_Nb:119)
93Nb41 + 7 D* --> 61Ni28 + 46Ca20 + 112.098 MeV [32.264 MeV] (A_Nb:120)
93Nb41 + 7 D* --> 64Ni28 + 43Ca20 + 110.250 MeV [30.416 MeV] (A_Nb:121)
93Nb41 + 7 D* --> 67Zn30 + 40Ar18 + 107.662 MeV [27.828 MeV] (A_Nb:122)
93Nb41 + 7 D* --> 73Ge32 + 34S16 + 105.971 MeV [26.137 MeV] (A_Nb:123)
93Nb41 + 7 D* --> 74Ge32 + 33S16 + 104.750 MeV [24.916 MeV] (A_Nb:124)
93Nb41 + 7 D* --> 77Se34 + 30Si14 + 103.774 MeV [23.940 MeV] (A_Nb:125)
93Nb41 + 7 D* --> 78Se34 + 29Si14 + 103.663 MeV [23.829 MeV] (A_Nb:126)
93Nb41 + 7 D* --> 82Kr36 + 25Mg12 + 98.524 MeV [18.690 MeV] (A_Nb:127)
93Nb41 + 7 D* --> 83Kr36 + 24Mg12 + 98.657 MeV [18.823 MeV] (A_Nb:128)
93Nb41 + 7 D* --> 86Sr38 + 21Ne10 + 94.997 MeV [15.163 MeV] (A_Nb:129)
93Nb41 + 7 D* --> 87Sr38 + 20Ne10 + 96.664 MeV [16.830 MeV] (A_Nb:130)
93Nb41 + 7 D* --> 90Zr40 + 17O8 + 94.318 MeV [14.484 MeV] (A_Nb:131)
93Nb41 + 7 D* --> 91Zr40 + 16O8 + 97.369 MeV [17.535 MeV] (A_Nb:132)
93Nb41 + 7 D* --> 93Nb41 + 14N7 + 89.087 MeV [9.253 MeV] (A_Nb:133)
93Nb41 + 7 D* --> 94Mo42 + 13C6 + 90.026 MeV [10.193 MeV] (A_Nb:134)
93Nb41 + 7 D* --> 95Mo42 + 12C6 + 92.449 MeV [12.615 MeV] (A_Nb:135)
93Nb41 + 7 D* --> 98Ru44 + 9Be4 + 81.619 MeV [1.785 MeV] (A_Nb:136)
93Nb41 + 7 D* --> 104Pd46 + 3He2 + 79.201 MeV [-0.633 MeV] (A_Nb:137)

93Nb41 + 8 D* --> 55Mn25 + 54Cr24 + 132.521 MeV [39.914 MeV] (A_Nb:138)
93Nb41 + 8 D* --> 58Fe26 + 51V23 + 132.232 MeV [39.626 MeV] (A_Nb:139)
93Nb41 + 8 D* --> 59Co27 + 50Ti22 + 131.533 MeV [38.926 MeV] (A_Nb:140)
93Nb41 + 8 D* --> 64Ni28 + 45Sc21 + 126.045 MeV [33.438 MeV] (A_Nb:141)
93Nb41 + 8 D* --> 63Cu29 + 46Ca20 + 126.592 MeV [33.986 MeV] (A_Nb:142)
93Nb41 + 8 D* --> 65Cu29 + 44Ca20 + 126.610 MeV [34.003 MeV] (A_Nb:143)
93Nb41 + 8 D* --> 68Zn30 + 41K19 + 123.444 MeV [30.837 MeV] (A_Nb:144)
93Nb41 + 8 D* --> 70Zn30 + 39K19 + 121.249 MeV [28.643 MeV] (A_Nb:145)

93Nb41 + 8 D* --> 69Ga31 + 40Ar18 + 122.245 MeV [29.639 MeV] (A_Nb:146)
93Nb41 + 8 D* --> 71Ga31 + 38Ar18 + 122.732 MeV [30.126 MeV] (A_Nb:147)
93Nb41 + 8 D* --> 72Ge32 + 37Cl17 + 122.225 MeV [29.618 MeV] (A_Nb:148)
93Nb41 + 8 D* --> 74Ge32 + 35Cl17 + 120.313 MeV [27.707 MeV] (A_Nb:149)
93Nb41 + 8 D* --> 75As33 + 34S16 + 120.842 MeV [28.235 MeV] (A_Nb:150)
93Nb41 + 8 D* --> 78Se34 + 31P15 + 119.344 MeV [26.738 MeV] (A_Nb:151)
93Nb41 + 8 D* --> 79Br35 + 30Si14 + 118.379 MeV [25.772 MeV] (A_Nb:152)
93Nb41 + 8 D* --> 81Br35 + 28Si14 + 117.345 MeV [24.739 MeV] (A_Nb:153)
93Nb41 + 8 D* --> 82Kr36 + 27Al13 + 115.664 MeV [23.057 MeV] (A_Nb:154)
93Nb41 + 8 D* --> 85Rb37 + 24Mg12 + 113.978 MeV [21.372 MeV] (A_Nb:155)
93Nb41 + 8 D* --> 86Sr38 + 23Na11 + 111.931 MeV [19.324 MeV] (A_Nb:156)
93Nb41 + 8 D* --> 89Y39 + 20Ne10 + 112.621 MeV [20.015 MeV] (A_Nb:157)
93Nb41 + 8 D* --> 90Zr40 + 19F9 + 108.132 MeV [15.526 MeV] (A_Nb:158)
93Nb41 + 8 D* --> 93Nb41 + 16O8 + 109.823 MeV [17.216 MeV] (A_Nb:159)
93Nb41 + 8 D* --> 94Mo42 + 15N7 + 106.186 MeV [13.579 MeV] (A_Nb:160)
93Nb41 + 8 D* --> 95Mo42 + 14N7 + 102.722 MeV [10.115 MeV] (A_Nb:161)
93Nb41 + 8 D* --> 98Ru44 + 11B5 + 97.434 MeV [4.828 MeV] (A_Nb:162)
93Nb41 + 8 D* --> 99Ru44 + 10B5 + 93.444 MeV [00.837 MeV] (A_Nb:163)
93Nb41 + 8 D* --> 102Pd46 + 7Li3 + 90.894 MeV [-1.712 MeV] (A_Nb:164)
93Nb41 + 8 D* --> 108Cd48 + 1H1 + 99.841 MeV [7.234 MeV] (A_Nb:165)

93Nb41 + 9 D* --> 57Fe26 + 54Cr24 + 148.126 MeV [42.416 MeV] (A_Nb:166)
93Nb41 + 9 D* --> 58Fe26 + 53Cr24 + 148.451 MeV [42.741 MeV] (A_Nb:167)
93Nb41 + 9 D* --> 61Ni28 + 50Ti22 + 146.661 MeV [40.951 MeV] (A_Nb:168)
93Nb41 + 9 D* --> 62Ni28 + 49Ti22 + 146.318 MeV [40.608 MeV] (A_Nb:169)
93Nb41 + 9 D* --> 64Ni28 + 47Ti22 + 143.045 MeV [37.335 MeV] (A_Nb:170)
93Nb41 + 9 D* --> 67Zn30 + 44Ca20 + 140.362 MeV [34.652 MeV] (A_Nb:171)
93Nb41 + 9 D* --> 68Zn30 + 43Ca20 + 139.429 MeV [33.719 MeV] (A_Nb:172)
93Nb41 + 9 D* --> 71Ga31 + 40K19 + 134.689 MeV [28.979 MeV] (A_Nb:173)
93Nb41 + 9 D* --> 73Ge32 + 38Ar18 + 137.025 MeV [31.315 MeV] (A_Nb:174)
93Nb41 + 9 D* --> 77Se34 + 34S16 + 135.545 MeV [29.834 MeV] (A_Nb:175)
93Nb41 + 9 D* --> 78Se34 + 33S16 + 134.625 MeV [28.915 MeV] (A_Nb:176)
93Nb41 + 9 D* --> 82Kr36 + 29Si14 + 133.498 MeV [27.788 MeV] (A_Nb:177)
93Nb41 + 9 D* --> 83Kr36 + 28Si14 + 132.488 MeV [26.778 MeV] (A_Nb:178)
93Nb41 + 9 D* --> 86Sr38 + 25Mg12 + 128.730 MeV [23.019 MeV] (A_Nb:179)
93Nb41 + 9 D* --> 87Sr38 + 24Mg12 + 129.827 MeV [24.117 MeV] (A_Nb:180)
93Nb41 + 9 D* --> 90Zr40 + 21Ne10 + 125.512 MeV [19.802 MeV] (A_Nb:181)
93Nb41 + 9 D* --> 91Zr40 + 20Ne10 + 125.946 MeV [20.235 MeV] (A_Nb:182)
93Nb41 + 9 D* --> 94Mo42 + 17O8 + 120.232 MeV [14.522 MeV] (A_Nb:183)
93Nb41 + 9 D* --> 95Mo42 + 16O8 + 123.458 MeV [17.748 MeV] (A_Nb:184)
93Nb41 + 9 D* --> 98Ru44 + 13C6 + 116.113 MeV [10.403 MeV] (A_Nb:185)
93Nb41 + 9 D* --> 99Ru44 + 12C6 + 118.630 MeV [12.920 MeV] (A_Nb:186)
93Nb41 + 9 D* --> 102Pd46 + 9Be4 + 107.591 MeV [1.880 MeV] (A_Nb:187)
93Nb41 + 9 D* --> 108Cd48 + 3He2 + 105.334 MeV [-0.376 MeV] (A_Nb:188)

93Nb41 + 10 D* --> 58Fe26 + 55Mn25 + 164.013 MeV [44.871 MeV] (A_Nb:189)
93Nb41 + 10 D* --> 59Co27 + 54Cr24 + 163.310 MeV [44.168 MeV] (A_Nb:190)
93Nb41 + 10 D* --> 62Ni28 + 51V23 + 163.096 MeV [43.955 MeV] (A_Nb:191)
93Nb41 + 10 D* --> 63Cu29 + 50Ti22 + 161.155 MeV [42.014 MeV] (A_Nb:192)
93Nb41 + 10 D* --> 65Cu29 + 48Ti22 + 159.900 MeV [40.759 MeV] (A_Nb:193)
93Nb41 + 10 D* --> 68Zn30 + 45Sc21 + 155.224 MeV [36.082 MeV] (A_Nb:194)
93Nb41 + 10 D* --> 69Ga31 + 44Ca20 + 154.945 MeV [35.804 MeV] (A_Nb:195)
93Nb41 + 10 D* --> 71Ga31 + 42Ca20 + 152.836 MeV [33.695 MeV] (A_Nb:196)
93Nb41 + 10 D* --> 72Ge32 + 41K19 + 152.294 MeV [33.152 MeV] (A_Nb:197)

93Nb41 + 10 D* --> 73Ge32 + 40K19 + 148.982 MeV [29.840 MeV] (A_Nb:198)
93Nb41 + 10 D* --> 74Ge32 + 39K19 + 151.378 MeV [32.237 MeV] (A_Nb:199)
93Nb41 + 10 D* --> 75As33 + 38Ar18 + 151.896 MeV [32.754 MeV] (A_Nb:200)
93Nb41 + 10 D* --> 76Se34 + 37Cl17 + 151.163 MeV [32.021 MeV] (A_Nb:201)
93Nb41 + 10 D* --> 78Se34 + 35Cl17 + 150.189 MeV [31.047 MeV] (A_Nb:202)
93Nb41 + 10 D* --> 79Br35 + 34S16 + 150.149 MeV [31.008 MeV] (A_Nb:203)
93Nb41 + 10 D* --> 81Br35 + 32S16 + 148.139 MeV [28.998 MeV] (A_Nb:204)
93Nb41 + 10 D* --> 82Kr36 + 31P15 + 149.179 MeV [30.038 MeV] (A_Nb:205)
93Nb41 + 10 D* --> 85Rb37 + 28Si14 + 147.809 MeV [28.668 MeV] (A_Nb:206)
93Nb41 + 10 D* --> 86Sr38 + 27Al13 + 145.869 MeV [26.728 MeV] (A_Nb:207)
93Nb41 + 10 D* --> 89Y39 + 24Mg12 + 145.784 MeV [26.643 MeV] (A_Nb:208)
93Nb41 + 10 D* --> 90Zr40 + 23Na11 + 142.446 MeV [23.305 MeV] (A_Nb:209)
93Nb41 + 10 D* --> 93Nb41 + 20Ne10 + 138.399 MeV [19.258 MeV] (A_Nb:210)
93Nb41 + 10 D* --> 94Mo42 + 19F9 + 134.046 MeV [14.905 MeV] (A_Nb:211)
93Nb41 + 10 D* --> 98Ru44 + 15N7 + 132.272 MeV [13.130 MeV] (A_Nb:212)
93Nb41 + 10 D* --> 99Ru44 + 14N7 + 128.902 MeV [9.761 MeV] (A_Nb:213)
93Nb41 + 10 D* --> 102Pd46 + 11B5 + 123.406 MeV [4.265 MeV] (A_Nb:214)
93Nb41 + 10 D* --> 106Cd48 + 7Li3 + 116.373 MeV [-2.768 MeV] (A_Nb:215)
93Nb41 + 10 D* --> 112Sn50 + 1H1 + 125.521 MeV [6.380 MeV] (A_Nb:216)

93Nb41 + 11 D* --> 58Fe26 + 57Fe26 + 179.618 MeV [46.721 MeV] (A_Nb:217)
93Nb41 + 11 D* --> 61Ni28 + 54Cr24 + 178.438 MeV [45.541 MeV] (A_Nb:218)
93Nb41 + 11 D* --> 62Ni28 + 53Cr24 + 179.316 MeV [46.418 MeV] (A_Nb:219)
93Nb41 + 11 D* --> 65Cu29 + 50V23 + 173.770 MeV [40.873 MeV] (A_Nb:220)
93Nb41 + 11 D* --> 66Zn30 + 49Ti22 + 174.743 MeV [41.846 MeV] (A_Nb:221)
93Nb41 + 11 D* --> 67Zn30 + 48Ti22 + 173.653 MeV [40.756 MeV] (A_Nb:222)
93Nb41 + 11 D* --> 68Zn30 + 47Ti22 + 172.224 MeV [39.327 MeV] (A_Nb:223)
93Nb41 + 11 D* --> 72Ge32 + 43Ca20 + 168.279 MeV [35.382 MeV] (A_Nb:224)
93Nb41 + 11 D* --> 73Ge32 + 42Ca20 + 167.129 MeV [34.232 MeV] (A_Nb:225)
93Nb41 + 11 D* --> 75As33 + 40K19 + 163.852 MeV [30.955 MeV] (A_Nb:226)
93Nb41 + 11 D* --> 77Se34 + 38Ar18 + 166.599 MeV [33.702 MeV] (A_Nb:227)
93Nb41 + 11 D* --> 82Kr36 + 33S16 + 164.460 MeV [31.563 MeV] (A_Nb:228)
93Nb41 + 11 D* --> 83Kr36 + 32S16 + 163.282 MeV [30.385 MeV] (A_Nb:229)
93Nb41 + 11 D* --> 86Sr38 + 29Si14 + 163.703 MeV [30.806 MeV] (A_Nb:230)
93Nb41 + 11 D* --> 87Sr38 + 28Si14 + 163.658 MeV [30.761 MeV] (A_Nb:231)
93Nb41 + 11 D* --> 90Zr40 + 25Mg12 + 159.245 MeV [26.347 MeV] (A_Nb:232)
93Nb41 + 11 D* --> 91Zr40 + 24Mg12 + 159.109 MeV [26.211 MeV] (A_Nb:233)
93Nb41 + 11 D* --> 94Mo42 + 21Ne10 + 151.426 MeV [18.529 MeV] (A_Nb:234)
93Nb41 + 11 D* --> 95Mo42 + 20Ne10 + 152.034 MeV [19.137 MeV] (A_Nb:235)
93Nb41 + 11 D* --> 98Ru44 + 17O8 + 146.318 MeV [13.421 MeV] (A_Nb:236)
93Nb41 + 11 D* --> 99Ru44 + 16O8 + 149.639 MeV [16.741 MeV] (A_Nb:237)
93Nb41 + 11 D* --> 102Pd46 + 13C6 + 142.085 MeV [9.187 MeV] (A_Nb:238)
93Nb41 + 11 D* --> 106Cd48 + 9Be4 + 133.070 MeV [00.172 MeV] (A_Nb:239)
93Nb41 + 11 D* --> 112Sn50 + 3He2 + 131.015 MeV [-1.883 MeV] (A_Nb:240)

93Nb41 + 12 D* --> 59Co27 + 58Fe26 + 194.802 MeV [47.828 MeV] (A_Nb:241)
93Nb41 + 12 D* --> 62Ni28 + 55Mn25 + 194.877 MeV [47.903 MeV] (A_Nb:242)
93Nb41 + 12 D* --> 63Cu29 + 54Cr24 + 192.932 MeV [45.958 MeV] (A_Nb:243)
93Nb41 + 12 D* --> 65Cu29 + 52Cr24 + 193.101 MeV [46.127 MeV] (A_Nb:244)
93Nb41 + 12 D* --> 66Zn30 + 51V23 + 191.521 MeV [44.547 MeV] (A_Nb:245)
93Nb41 + 12 D* --> 67Zn30 + 50V23 + 187.522 MeV [40.548 MeV] (A_Nb:246)
93Nb41 + 12 D* --> 69Ga31 + 48Ti22 + 188.236 MeV [41.261 MeV] (A_Nb:247)
93Nb41 + 12 D* --> 71Ga31 + 46Ti22 + 184.684 MeV [37.710 MeV] (A_Nb:248)
93Nb41 + 12 D* --> 72Ge32 + 45Sc21 + 184.074 MeV [37.100 MeV] (A_Nb:249)

93Nb41 + 12 D* --> 75As33 + 42Ca20 + 182.000 MeV [35.025 MeV] (A_Nb:250)
93Nb41 + 12 D* --> 76Se34 + 41K19 + 181.232 MeV [34.257 MeV] (A_Nb:251)
93Nb41 + 12 D* --> 77Se34 + 40K19 + 178.555 MeV [31.581 MeV] (A_Nb:252)
93Nb41 + 12 D* --> 78Se34 + 39K19 + 181.253 MeV [34.279 MeV] (A_Nb:253)
93Nb41 + 12 D* --> 79Br35 + 38Ar18 + 181.203 MeV [34.229 MeV] (A_Nb:254)
93Nb41 + 12 D* --> 81Br35 + 36Ar18 + 178.627 MeV [31.652 MeV] (A_Nb:255)
93Nb41 + 12 D* --> 80Kr36 + 37Cl17 + 180.074 MeV [33.100 MeV] (A_Nb:256)
93Nb41 + 12 D* --> 82Kr36 + 35Cl17 + 180.023 MeV [33.049 MeV] (A_Nb:257)
93Nb41 + 12 D* --> 85Rb37 + 32S16 + 178.603 MeV [31.629 MeV] (A_Nb:258)
93Nb41 + 12 D* --> 86Sr38 + 31P15 + 179.385 MeV [32.410 MeV] (A_Nb:259)
93Nb41 + 12 D* --> 89Y39 + 28Si14 + 179.615 MeV [32.641 MeV] (A_Nb:260)
93Nb41 + 12 D* --> 90Zr40 + 27Al13 + 176.384 MeV [29.410 MeV] (A_Nb:261)
93Nb41 + 12 D* --> 93Nb41 + 24Mg12 + 171.562 MeV [24.588 MeV] (A_Nb:262)
93Nb41 + 12 D* --> 94Mo42 + 23Na11 + 168.360 MeV [21.386 MeV] (A_Nb:263)
93Nb41 + 12 D* --> 98Ru44 + 19F9 + 160.132 MeV [13.158 MeV] (A_Nb:264)
93Nb41 + 12 D* --> 102Pd46 + 15N7 + 158.244 MeV [11.270 MeV] (A_Nb:265)
93Nb41 + 12 D* --> 106Cd48 + 11B5 + 148.885 MeV [1.911 MeV] (A_Nb:266)

---------- Equations follow for Molybdenum, Mo, element 42 ----------

92Mo42 + D* --> 49Ti22 + 45Sc21 + 15.957 MeV [5.316 MeV] (A_Mo:1)
92Mo42 + D* --> 50V23 + 44Ca20 + 17.021 MeV [6.380 MeV] (A_Mo:2)
92Mo42 + D* --> 51V23 + 43Ca20 + 16.941 MeV [6.299 MeV] (A_Mo:3)
92Mo42 + D* --> 53Cr24 + 41K19 + 17.175 MeV [6.533 MeV] (A_Mo:4)
92Mo42 + D* --> 54Cr24 + 40K19 + 16.798 MeV [6.157 MeV] (A_Mo:5)
92Mo42 + D* --> 57Fe26 + 37Cl17 + 18.272 MeV [7.631 MeV] (A_Mo:6)
92Mo42 + D* --> 65Cu29 + 29Si14 + 15.489 MeV [4.848 MeV] (A_Mo:7)
92Mo42 + D* --> 67Zn30 + 27Al13 + 11.408 MeV [00.767 MeV] (A_Mo:8)
92Mo42 + D* --> 69Ga31 + 25Mg12 + 8.851 MeV [-1.790 MeV] (A_Mo:9)
92Mo42 + D* --> 80Kr36 + 14N7 + 1.360 MeV [-9.281 MeV] (A_Mo:10)

92Mo42 + 2 D* --> 48Ti22 + 48Ti22 + 36.442 MeV [14.805 MeV] (A_Mo:11)
92Mo42 + 2 D* --> 49Ti22 + 47Ti22 + 32.958 MeV [11.321 MeV] (A_Mo:12)
92Mo42 + 2 D* --> 50Ti22 + 46Ti22 + 35.017 MeV [13.380 MeV] (A_Mo:13)
92Mo42 + 2 D* --> 51V23 + 45Sc21 + 32.736 MeV [11.099 MeV] (A_Mo:14)
92Mo42 + 2 D* --> 50Cr24 + 46Ca20 + 32.861 MeV [11.224 MeV] (A_Mo:15)
92Mo42 + 2 D* --> 52Cr24 + 44Ca20 + 36.352 MeV [14.715 MeV] (A_Mo:16)
92Mo42 + 2 D* --> 53Cr24 + 43Ca20 + 33.160 MeV [11.523 MeV] (A_Mo:17)
92Mo42 + 2 D* --> 54Cr24 + 42Ca20 + 34.946 MeV [13.309 MeV] (A_Mo:18)
92Mo42 + 2 D* --> 55Mn25 + 41K19 + 32.736 MeV [11.099 MeV] (A_Mo:19)
92Mo42 + 2 D* --> 56Fe26 + 40Ar18 + 35.112 MeV [13.475 MeV] (A_Mo:20)
92Mo42 + 2 D* --> 58Fe26 + 38Ar18 + 36.334 MeV [14.698 MeV] (A_Mo:21)
92Mo42 + 2 D* --> 59Co27 + 37Cl17 + 33.456 MeV [11.820 MeV] (A_Mo:22)
92Mo42 + 2 D* --> 60Ni28 + 36S16 + 34.603 MeV [12.966 MeV] (A_Mo:23)
92Mo42 + 2 D* --> 62Ni28 + 34S16 + 36.144 MeV [14.507 MeV] (A_Mo:24)
92Mo42 + 2 D* --> 64Ni28 + 32S16 + 32.581 MeV [10.945 MeV] (A_Mo:25)
92Mo42 + 2 D* --> 65Cu29 + 31P15 + 31.171 MeV [9.534 MeV] (A_Mo:26)
92Mo42 + 2 D* --> 66Zn30 + 30Si14 + 32.799 MeV [11.162 MeV] (A_Mo:27)
92Mo42 + 2 D* --> 67Zn30 + 29Si14 + 29.242 MeV [7.605 MeV] (A_Mo:28)
92Mo42 + 2 D* --> 68Zn30 + 28Si14 + 30.966 MeV [9.330 MeV] (A_Mo:29)
92Mo42 + 2 D* --> 69Ga31 + 27Al13 + 25.991 MeV [4.354 MeV] (A_Mo:30)
92Mo42 + 2 D* --> 70Ge32 + 26Mg12 + 26.244 MeV [4.607 MeV] (A_Mo:31)
92Mo42 + 2 D* --> 72Ge32 + 24Mg12 + 25.986 MeV [4.349 MeV] (A_Mo:32)
92Mo42 + 2 D* --> 74Se34 + 22Ne10 + 19.704 MeV [-1.933 MeV] (A_Mo:33)

92Mo42 + 2 D* --> 76Se34 + 20Ne10 + 21.760 MeV [00.124 MeV] (A_Mo:34)
92Mo42 + 2 D* --> 78Kr36 + 18O8 + 14.428 MeV [-7.209 MeV] (A_Mo:35)
92Mo42 + 2 D* --> 80Kr36 + 16O8 + 22.096 MeV [00.459 MeV] (A_Mo:36)
92Mo42 + 2 D* --> 84Sr38 + 12C6 + 20.110 MeV [-1.527 MeV] (A_Mo:37)
92Mo42 + 2 D* --> 92Mo42 + 4He2 + 23.847 MeV [2.210 MeV] (A_Mo:38)
92Mo42 + 2 D* --> 96Ru44 + 25.539 MeV [3.902 MeV] (A_Mo:39)

92Mo42 + 3 D* --> 50V23 + 48Ti22 + 50.311 MeV [17.329 MeV] (A_Mo:40)
92Mo42 + 3 D* --> 51V23 + 47Ti22 + 49.736 MeV [16.753 MeV] (A_Mo:41)
92Mo42 + 3 D* --> 53Cr24 + 45Sc21 + 48.955 MeV [15.972 MeV] (A_Mo:42)
92Mo42 + 3 D* --> 55Mn25 + 43Ca20 + 48.721 MeV [15.739 MeV] (A_Mo:43)
92Mo42 + 3 D* --> 57Fe26 + 41K19 + 48.341 MeV [15.359 MeV] (A_Mo:44)
92Mo42 + 3 D* --> 58Fe26 + 40K19 + 48.291 MeV [15.308 MeV] (A_Mo:45)
92Mo42 + 3 D* --> 61Ni28 + 37Cl17 + 48.585 MeV [15.602 MeV] (A_Mo:46)
92Mo42 + 3 D* --> 65Cu29 + 33S16 + 46.452 MeV [13.469 MeV] (A_Mo:47)
92Mo42 + 3 D* --> 67Zn30 + 31P15 + 44.923 MeV [11.941 MeV] (A_Mo:48)
92Mo42 + 3 D* --> 69Ga31 + 29Si14 + 43.825 MeV [10.842 MeV] (A_Mo:49)
92Mo42 + 3 D* --> 84Sr38 + 14N7 + 30.383 MeV [-2.600 MeV] (A_Mo:50)
92Mo42 + 3 D* --> 92Mo42 + 6Li3 + 25.320 MeV [-7.662 MeV] (A_Mo:51)
92Mo42 + 3 D* --> 96Ru44 + 2H1 + 25.539 MeV [-7.444 MeV] (A_Mo:52)

92Mo42 + 4 D* --> 50Ti22 + 50Cr24 + 67.424 MeV [22.750 MeV] (A_Mo:53)
92Mo42 + 4 D* --> 50V23 + 50V23 + 64.181 MeV [19.507 MeV] (A_Mo:54)
92Mo42 + 4 D* --> 50Cr24 + 50Ti22 + 67.424 MeV [22.750 MeV] (A_Mo:55)
92Mo42 + 4 D* --> 52Cr24 + 48Ti22 + 69.643 MeV [24.968 MeV] (A_Mo:56)
92Mo42 + 4 D* --> 53Cr24 + 47Ti22 + 65.955 MeV [21.281 MeV] (A_Mo:57)
92Mo42 + 4 D* --> 54Cr24 + 46Ti22 + 66.794 MeV [22.119 MeV] (A_Mo:58)
92Mo42 + 4 D* --> 55Mn25 + 45Sc21 + 64.516 MeV [19.842 MeV] (A_Mo:59)
92Mo42 + 4 D* --> 54Fe26 + 46Ca20 + 65.125 MeV [20.451 MeV] (A_Mo:60)
92Mo42 + 4 D* --> 56Fe26 + 44Ca20 + 67.812 MeV [23.137 MeV] (A_Mo:61)
92Mo42 + 4 D* --> 57Fe26 + 43Ca20 + 64.327 MeV [19.652 MeV] (A_Mo:62)
92Mo42 + 4 D* --> 58Fe26 + 42Ca20 + 66.438 MeV [21.764 MeV] (A_Mo:63)
92Mo42 + 4 D* --> 59Co27 + 41K19 + 63.525 MeV [18.851 MeV] (A_Mo:64)
92Mo42 + 4 D* --> 60Ni28 + 40Ar18 + 65.250 MeV [20.576 MeV] (A_Mo:65)
92Mo42 + 4 D* --> 62Ni28 + 38Ar18 + 67.199 MeV [22.524 MeV] (A_Mo:66)
92Mo42 + 4 D* --> 64Ni28 + 36Ar18 + 63.069 MeV [18.394 MeV] (A_Mo:67)
92Mo42 + 4 D* --> 63Cu29 + 37Cl17 + 63.079 MeV [18.405 MeV] (A_Mo:68)
92Mo42 + 4 D* --> 65Cu29 + 35Cl17 + 62.015 MeV [17.341 MeV] (A_Mo:69)
92Mo42 + 4 D* --> 64Zn30 + 36S16 + 62.406 MeV [17.731 MeV] (A_Mo:70)
92Mo42 + 4 D* --> 66Zn30 + 34S16 + 64.569 MeV [19.895 MeV] (A_Mo:71)
92Mo42 + 4 D* --> 67Zn30 + 33S16 + 60.204 MeV [15.530 MeV] (A_Mo:72)
92Mo42 + 4 D* --> 68Zn30 + 32S16 + 61.761 MeV [17.086 MeV] (A_Mo:73)
92Mo42 + 4 D* --> 69Ga31 + 31P15 + 59.507 MeV [14.832 MeV] (A_Mo:74)
92Mo42 + 4 D* --> 70Ge32 + 30Si14 + 60.734 MeV [16.060 MeV] (A_Mo:75)
92Mo42 + 4 D* --> 72Ge32 + 28Si14 + 59.817 MeV [15.142 MeV] (A_Mo:76)
92Mo42 + 4 D* --> 74Se34 + 26Mg12 + 54.165 MeV [9.491 MeV] (A_Mo:77)
92Mo42 + 4 D* --> 76Se34 + 24Mg12 + 54.924 MeV [10.249 MeV] (A_Mo:78)
92Mo42 + 4 D* --> 78Kr36 + 22Ne10 + 47.942 MeV [3.268 MeV] (A_Mo:79)
92Mo42 + 4 D* --> 80Kr36 + 20Ne10 + 50.672 MeV [5.998 MeV] (A_Mo:80)
92Mo42 + 4 D* --> 84Sr38 + 16O8 + 51.119 MeV [6.444 MeV] (A_Mo:81)
92Mo42 + 4 D* --> 96Ru44 + 4He2 + 49.385 MeV [4.711 MeV] (A_Mo:82)

92Mo42 + 5 D* --> 52Cr24 + 50V23 + 83.512 MeV [26.804 MeV] (A_Mo:83)
92Mo42 + 5 D* --> 55Mn25 + 47Ti22 + 81.517 MeV [24.808 MeV] (A_Mo:84)

92Mo42 + 5 D* --> 57Fe26 + 45Sc21 + 80.122 MeV [23.413 MeV] (A_Mo:85)
92Mo42 + 5 D* --> 59Co27 + 43Ca20 + 79.511 MeV [22.802 MeV] (A_Mo:86)
92Mo42 + 5 D* --> 61Ni28 + 41K19 + 78.654 MeV [21.945 MeV] (A_Mo:87)
92Mo42 + 5 D* --> 62Ni28 + 40K19 + 79.155 MeV [22.447 MeV] (A_Mo:88)
92Mo42 + 5 D* --> 67Zn30 + 35Cl17 + 75.768 MeV [19.059 MeV] (A_Mo:89)
92Mo42 + 5 D* --> 69Ga31 + 33S16 + 74.787 MeV [18.079 MeV] (A_Mo:90)
92Mo42 + 5 D* --> 92Mo42 + 10B5 + 53.628 MeV [-3.080 MeV] (A_Mo:91)
92Mo42 + 5 D* --> 96Ru44 + 6Li3 + 50.859 MeV [-5.849 MeV] (A_Mo:92)

92Mo42 + 6 D* --> 52Cr24 + 52Cr24 + 102.843 MeV [33.762 MeV] (A_Mo:93)
92Mo42 + 6 D* --> 54Cr24 + 50Cr24 + 99.201 MeV [30.121 MeV] (A_Mo:94)
92Mo42 + 6 D* --> 54Fe26 + 50Ti22 + 99.688 MeV [30.608 MeV] (A_Mo:95)
92Mo42 + 6 D* --> 56Fe26 + 48Ti22 + 101.102 MeV [32.022 MeV] (A_Mo:96)
92Mo42 + 6 D* --> 57Fe26 + 47Ti22 + 97.122 MeV [28.041 MeV] (A_Mo:97)
92Mo42 + 6 D* --> 58Fe26 + 46Ti22 + 98.286 MeV [29.205 MeV] (A_Mo:98)
92Mo42 + 6 D* --> 59Co27 + 45Sc21 + 95.306 MeV [26.225 MeV] (A_Mo:99)
92Mo42 + 6 D* --> 58Ni28 + 46Ca20 + 95.372 MeV [26.291 MeV] (A_Mo:100)
92Mo42 + 6 D* --> 60Ni28 + 44Ca20 + 97.950 MeV [28.869 MeV] (A_Mo:101)
92Mo42 + 6 D* --> 61Ni28 + 43Ca20 + 94.639 MeV [25.558 MeV] (A_Mo:102)
92Mo42 + 6 D* --> 62Ni28 + 42Ca20 + 97.302 MeV [28.222 MeV] (A_Mo:103)
92Mo42 + 6 D* --> 64Ni28 + 40Ca20 + 93.955 MeV [24.874 MeV] (A_Mo:104)
92Mo42 + 6 D* --> 63Cu29 + 41K19 + 93.148 MeV [24.067 MeV] (A_Mo:105)
92Mo42 + 6 D* --> 65Cu29 + 39K19 + 93.080 MeV [23.999 MeV] (A_Mo:106)
92Mo42 + 6 D* --> 64Zn30 + 40Ar18 + 93.053 MeV [23.972 MeV] (A_Mo:107)
92Mo42 + 6 D* --> 66Zn30 + 38Ar18 + 95.623 MeV [26.543 MeV] (A_Mo:108)
92Mo42 + 6 D* --> 68Zn30 + 36Ar18 + 92.248 MeV [23.167 MeV] (A_Mo:109)
92Mo42 + 6 D* --> 69Ga31 + 35Cl17 + 90.351 MeV [21.270 MeV] (A_Mo:110)
92Mo42 + 6 D* --> 70Ge32 + 34S16 + 92.504 MeV [23.423 MeV] (A_Mo:111)
92Mo42 + 6 D* --> 72Ge32 + 32S16 + 90.611 MeV [21.530 MeV] (A_Mo:112)
92Mo42 + 6 D* --> 74Se34 + 30Si14 + 88.655 MeV [19.574 MeV] (A_Mo:113)
92Mo42 + 6 D* --> 76Se34 + 28Si14 + 88.754 MeV [19.673 MeV] (A_Mo:114)
92Mo42 + 6 D* --> 78Kr36 + 26Mg12 + 82.404 MeV [13.323 MeV] (A_Mo:115)
92Mo42 + 6 D* --> 80Kr36 + 24Mg12 + 83.835 MeV [14.755 MeV] (A_Mo:116)
92Mo42 + 6 D* --> 84Sr38 + 20Ne10 + 79.695 MeV [10.614 MeV] (A_Mo:117)
92Mo42 + 6 D* --> 92Mo42 + 12C6 + 78.814 MeV [9.734 MeV] (A_Mo:118)

92Mo42 + 7 D* --> 56Fe26 + 50V23 + 114.972 MeV [33.184 MeV] (A_Mo:119)
92Mo42 + 7 D* --> 59Co27 + 47Ti22 + 112.306 MeV [30.518 MeV] (A_Mo:120)
92Mo42 + 7 D* --> 61Ni28 + 45Sc21 + 110.434 MeV [28.646 MeV] (A_Mo:121)
92Mo42 + 7 D* --> 63Cu29 + 43Ca20 + 109.133 MeV [27.345 MeV] (A_Mo:122)
92Mo42 + 7 D* --> 66Zn30 + 40K19 + 107.580 MeV [25.792 MeV] (A_Mo:123)
92Mo42 + 7 D* --> 67Zn30 + 39K19 + 106.833 MeV [25.044 MeV] (A_Mo:124)
92Mo42 + 7 D* --> 92Mo42 + 14N7 + 89.087 MeV [7.299 MeV] (A_Mo:125)
92Mo42 + 7 D* --> 96Ru44 + 10B5 + 79.166 MeV [-2.622 MeV] (A_Mo:126)

92Mo42 + 8 D* --> 54Cr24 + 54Fe26 + 131.466 MeV [36.639 MeV] (A_Mo:127)
92Mo42 + 8 D* --> 54Fe26 + 54Cr24 + 131.466 MeV [36.639 MeV] (A_Mo:128)
92Mo42 + 8 D* --> 56Fe26 + 52Cr24 + 134.303 MeV [39.476 MeV] (A_Mo:129)
92Mo42 + 8 D* --> 58Fe26 + 50Cr24 + 130.694 MeV [35.867 MeV] (A_Mo:130)
92Mo42 + 8 D* --> 58Ni28 + 50Ti22 + 129.935 MeV [35.108 MeV] (A_Mo:131)
92Mo42 + 8 D* --> 60Ni28 + 48Ti22 + 131.241 MeV [36.414 MeV] (A_Mo:132)
92Mo42 + 8 D* --> 61Ni28 + 47Ti22 + 127.434 MeV [32.607 MeV] (A_Mo:133)
92Mo42 + 8 D* --> 62Ni28 + 46Ti22 + 129.150 MeV [34.324 MeV] (A_Mo:134)
92Mo42 + 8 D* --> 63Cu29 + 45Sc21 + 124.928 MeV [30.101 MeV] (A_Mo:135)

Report A - Energetically Feasible Aneutronic X + n D* --> Y + Z Reactions, n = 1 to 12
Creating Stable Isotopes Y and Z With No Weak Reactions

92Mo42 + 8 D* --> 64Zn30 + 44Ca20 + 125.753 MeV [30.926 MeV] (A_Mo:136)
92Mo42 + 8 D* --> 66Zn30 + 42Ca20 + 125.727 MeV [30.901 MeV] (A_Mo:137)
92Mo42 + 8 D* --> 68Zn30 + 40Ca20 + 123.134 MeV [28.308 MeV] (A_Mo:138)
92Mo42 + 8 D* --> 69Ga31 + 39K19 + 121.416 MeV [26.589 MeV] (A_Mo:139)
92Mo42 + 8 D* --> 70Ge32 + 38Ar18 + 123.558 MeV [28.732 MeV] (A_Mo:140)
92Mo42 + 8 D* --> 72Ge32 + 36Ar18 + 121.098 MeV [26.272 MeV] (A_Mo:141)
92Mo42 + 8 D* --> 74Se34 + 34S16 + 120.425 MeV [25.599 MeV] (A_Mo:142)
92Mo42 + 8 D* --> 76Se34 + 32S16 + 119.549 MeV [24.722 MeV] (A_Mo:143)
92Mo42 + 8 D* --> 78Kr36 + 30Si14 + 116.893 MeV [22.067 MeV] (A_Mo:144)
92Mo42 + 8 D* --> 80Kr36 + 28Si14 + 117.666 MeV [22.839 MeV] (A_Mo:145)
92Mo42 + 8 D* --> 84Sr38 + 24Mg12 + 112.858 MeV [18.031 MeV] (A_Mo:146)
92Mo42 + 8 D* --> 92Mo42 + 16O8 + 109.823 MeV [14.996 MeV] (A_Mo:147)
92Mo42 + 8 D* --> 96Ru44 + 12C6 + 104.353 MeV [9.526 MeV] (A_Mo:148)

92Mo42 + 9 D* --> 60Ni28 + 50V23 + 145.110 MeV [36.917 MeV] (A_Mo:149)
92Mo42 + 9 D* --> 63Cu29 + 47Ti22 + 141.928 MeV [33.735 MeV] (A_Mo:150)
92Mo42 + 9 D* --> 70Ge32 + 40K19 + 135.515 MeV [27.321 MeV] (A_Mo:151)
92Mo42 + 9 D* --> 96Ru44 + 14N7 + 114.625 MeV [6.432 MeV] (A_Mo:152)

92Mo42 + 10 D* --> 56Fe26 + 56Fe26 + 165.763 MeV [43.878 MeV] (A_Mo:153)
92Mo42 + 10 D* --> 58Fe26 + 54Fe26 + 162.958 MeV [41.073 MeV] (A_Mo:154)
92Mo42 + 10 D* --> 58Ni28 + 54Cr24 + 161.712 MeV [39.828 MeV] (A_Mo:155)
92Mo42 + 10 D* --> 60Ni28 + 52Cr24 + 164.441 MeV [42.556 MeV] (A_Mo:156)
92Mo42 + 10 D* --> 62Ni28 + 50Cr24 + 161.558 MeV [39.673 MeV] (A_Mo:157)
92Mo42 + 10 D* --> 64Zn30 + 48Ti22 + 159.044 MeV [37.159 MeV] (A_Mo:158)
92Mo42 + 10 D* --> 66Zn30 + 46Ti22 + 157.575 MeV [35.690 MeV] (A_Mo:159)
92Mo42 + 10 D* --> 70Ge32 + 42Ca20 + 153.662 MeV [31.777 MeV] (A_Mo:160)
92Mo42 + 10 D* --> 72Ge32 + 40Ca20 + 151.984 MeV [30.099 MeV] (A_Mo:161)
92Mo42 + 10 D* --> 74Se34 + 38Ar18 + 151.480 MeV [29.595 MeV] (A_Mo:162)
92Mo42 + 10 D* --> 76Se34 + 36Ar18 + 150.036 MeV [28.151 MeV] (A_Mo:163)
92Mo42 + 10 D* --> 78Kr36 + 34S16 + 148.664 MeV [26.779 MeV] (A_Mo:164)
92Mo42 + 10 D* --> 80Kr36 + 32S16 + 148.460 MeV [26.575 MeV] (A_Mo:165)
92Mo42 + 10 D* --> 84Sr38 + 28Si14 + 146.689 MeV [24.804 MeV] (A_Mo:166)
92Mo42 + 10 D* --> 92Mo42 + 20Ne10 + 138.399 MeV [16.514 MeV] (A_Mo:167)
92Mo42 + 10 D* --> 96Ru44 + 16O8 + 135.361 MeV [13.476 MeV] (A_Mo:168)

92Mo42 + 11 D* --> 64Zn30 + 50V23 + 172.913 MeV [37.015 MeV] (A_Mo:169)
92Mo42 + 11 D* --> 74Se34 + 40K19 + 163.436 MeV [27.538 MeV] (A_Mo:170)

92Mo42 + 12 D* --> 58Fe26 + 58Ni28 + 193.205 MeV [42.975 MeV] (A_Mo:171)
92Mo42 + 12 D* --> 58Ni28 + 58Fe26 + 193.205 MeV [42.975 MeV] (A_Mo:172)
92Mo42 + 12 D* --> 60Ni28 + 56Fe26 + 195.901 MeV [45.671 MeV] (A_Mo:173)
92Mo42 + 12 D* --> 62Ni28 + 54Fe26 + 193.822 MeV [43.592 MeV] (A_Mo:174)
92Mo42 + 12 D* --> 64Zn30 + 52Cr24 + 192.244 MeV [42.014 MeV] (A_Mo:175)
92Mo42 + 12 D* --> 66Zn30 + 50Cr24 + 189.983 MeV [39.752 MeV] (A_Mo:176)
92Mo42 + 12 D* --> 70Ge32 + 46Ti22 + 185.510 MeV [35.280 MeV] (A_Mo:177)
92Mo42 + 12 D* --> 74Se34 + 42Ca20 + 181.583 MeV [31.353 MeV] (A_Mo:178)
92Mo42 + 12 D* --> 76Se34 + 40Ca20 + 180.922 MeV [30.692 MeV] (A_Mo:179)
92Mo42 + 12 D* --> 78Kr36 + 38Ar18 + 179.718 MeV [29.488 MeV] (A_Mo:180)
92Mo42 + 12 D* --> 80Kr36 + 36Ar18 + 178.948 MeV [28.718 MeV] (A_Mo:181)
92Mo42 + 12 D* --> 84Sr38 + 32S16 + 177.483 MeV [27.253 MeV] (A_Mo:182)
92Mo42 + 12 D* --> 92Mo42 + 24Mg12 + 171.562 MeV [21.332 MeV] (A_Mo:183)
92Mo42 + 12 D* --> 96Ru44 + 20Ne10 + 163.938 MeV [13.708 MeV] (A_Mo:184)

94Mo42 + D* --> 50V23 + 46Ca20 + 17.083 MeV [6.516 MeV] (A_Mo:185)
94Mo42 + D* --> 71Ga31 + 25Mg12 + 8.059 MeV [-2.508 MeV] (A_Mo:186)
94Mo42 + D* --> 73Ge32 + 23Na11 + 5.553 MeV [-5.013 MeV] (A_Mo:187)
94Mo42 + D* --> 75As33 + 21Ne10 + 3.490 MeV [-7.077 MeV] (A_Mo:188)
94Mo42 + D* --> 77Se34 + 19F9 + 00.813 MeV [-9.754 MeV] (A_Mo:189)
94Mo42 + D* --> 79Br35 + 17O8 + 1.603 MeV [-8.963 MeV] (A_Mo:190)
94Mo42 + D* --> 82Kr36 + 14N7 + 2.452 MeV [-8.115 MeV] (A_Mo:191)
94Mo42 + D* --> 95Mo42 + 1H1 + 5.145 MeV [-5.422 MeV] (A_Mo:192)

94Mo42 + 2 D* --> 49Ti22 + 49Ti22 + 34.979 MeV [13.491 MeV] (A_Mo:193)
94Mo42 + 2 D* --> 50Ti22 + 48Ti22 + 37.776 MeV [16.287 MeV] (A_Mo:194)
94Mo42 + 2 D* --> 50Cr24 + 48Ca20 + 32.335 MeV [10.847 MeV] (A_Mo:195)
94Mo42 + 2 D* --> 52Cr24 + 46Ca20 + 36.414 MeV [14.925 MeV] (A_Mo:196)
94Mo42 + 2 D* --> 54Cr24 + 44Ca20 + 36.263 MeV [14.774 MeV] (A_Mo:197)
94Mo42 + 2 D* --> 58Fe26 + 40Ar18 + 35.055 MeV [13.566 MeV] (A_Mo:198)
94Mo42 + 2 D* --> 62Ni28 + 36S16 + 35.272 MeV [13.783 MeV] (A_Mo:199)
94Mo42 + 2 D* --> 64Ni28 + 34S16 + 34.893 MeV [13.404 MeV] (A_Mo:200)
94Mo42 + 2 D* --> 68Zn30 + 30Si14 + 32.302 MeV [10.813 MeV] (A_Mo:201)
94Mo42 + 2 D* --> 70Zn30 + 28Si14 + 28.919 MeV [7.431 MeV] (A_Mo:202)
94Mo42 + 2 D* --> 71Ga31 + 27Al13 + 25.199 MeV [3.710 MeV] (A_Mo:203)
94Mo42 + 2 D* --> 72Ge32 + 26Mg12 + 26.662 MeV [5.174 MeV] (A_Mo:204)
94Mo42 + 2 D* --> 73Ge32 + 25Mg12 + 22.352 MeV [00.863 MeV] (A_Mo:205)
94Mo42 + 2 D* --> 74Ge32 + 24Mg12 + 25.218 MeV [3.729 MeV] (A_Mo:206)
94Mo42 + 2 D* --> 75As33 + 23Na11 + 20.424 MeV [-1.065 MeV] (A_Mo:207)
94Mo42 + 2 D* --> 76Se34 + 22Ne10 + 21.139 MeV [-0.350 MeV] (A_Mo:208)
94Mo42 + 2 D* --> 77Se34 + 21Ne10 + 18.193 MeV [-3.296 MeV] (A_Mo:209)
94Mo42 + 2 D* --> 78Se34 + 20Ne10 + 21.930 MeV [00.441 MeV] (A_Mo:210)
94Mo42 + 2 D* --> 79Br35 + 19F9 + 15.418 MeV [-6.071 MeV] (A_Mo:211)
94Mo42 + 2 D* --> 80Kr36 + 18O8 + 16.536 MeV [-4.953 MeV] (A_Mo:212)
94Mo42 + 2 D* --> 82Kr36 + 16O8 + 23.188 MeV [1.700 MeV] (A_Mo:213)
94Mo42 + 2 D* --> 86Sr38 + 12C6 + 22.385 MeV [00.897 MeV] (A_Mo:214)
94Mo42 + 2 D* --> 94Mo42 + 4He2 + 23.847 MeV [2.358 MeV] (A_Mo:215)
94Mo42 + 2 D* --> 95Mo42 + 3He2 + 10.638 MeV [-10.851 MeV] (A_Mo:216)
94Mo42 + 2 D* --> 98Ru44 + 26.086 MeV [4.598 MeV] (A_Mo:217)

94Mo42 + 3 D* --> 50Ti22 + 50V23 + 51.646 MeV [18.884 MeV] (A_Mo:218)
94Mo42 + 3 D* --> 50V23 + 50Ti22 + 51.646 MeV [18.884 MeV] (A_Mo:219)
94Mo42 + 3 D* --> 51V23 + 49Ti22 + 51.758 MeV [18.996 MeV] (A_Mo:220)
94Mo42 + 3 D* --> 71Ga31 + 29Si14 + 43.033 MeV [10.272 MeV] (A_Mo:221)
94Mo42 + 3 D* --> 73Ge32 + 27Al13 + 39.492 MeV [6.730 MeV] (A_Mo:222)
94Mo42 + 3 D* --> 75As33 + 25Mg12 + 37.223 MeV [4.461 MeV] (A_Mo:223)
94Mo42 + 3 D* --> 77Se34 + 23Na11 + 35.127 MeV [2.366 MeV] (A_Mo:224)
94Mo42 + 3 D* --> 79Br35 + 21Ne10 + 32.798 MeV [00.037 MeV] (A_Mo:225)
94Mo42 + 3 D* --> 86Sr38 + 14N7 + 32.658 MeV [-0.104 MeV] (A_Mo:226)
94Mo42 + 3 D* --> 90Zr40 + 10B5 + 27.714 MeV [-5.047 MeV] (A_Mo:227)
94Mo42 + 3 D* --> 94Mo42 + 6Li3 + 25.320 MeV [-7.441 MeV] (A_Mo:228)
94Mo42 + 3 D* --> 98Ru44 + 2H1 + 26.086 MeV [-6.675 MeV] (A_Mo:229)
94Mo42 + 3 D* --> 99Ru44 + 1H1 + 31.325 MeV [-1.436 MeV] (A_Mo:230)

94Mo42 + 4 D* --> 51V23 + 51V23 + 68.536 MeV [24.156 MeV] (A_Mo:231)
94Mo42 + 4 D* --> 52Cr24 + 50Ti22 + 70.977 MeV [26.596 MeV] (A_Mo:232)
94Mo42 + 4 D* --> 53Cr24 + 49Ti22 + 67.977 MeV [23.596 MeV] (A_Mo:233)
94Mo42 + 4 D* --> 54Cr24 + 48Ti22 + 69.553 MeV [25.173 MeV] (A_Mo:234)
94Mo42 + 4 D* --> 54Fe26 + 48Ca20 + 64.600 MeV [20.219 MeV] (A_Mo:235)

94Mo42 + 4 D* --> 56Fe26 + 46Ca20 + 67.874 MeV [23.493 MeV] (A_Mo:236)
94Mo42 + 4 D* --> 58Fe26 + 44Ca20 + 67.755 MeV [23.375 MeV] (A_Mo:237)
94Mo42 + 4 D* --> 62Ni28 + 40Ar18 + 65.919 MeV [21.539 MeV] (A_Mo:238)
94Mo42 + 4 D* --> 64Ni28 + 38Ar18 + 65.947 MeV [21.567 MeV] (A_Mo:239)
94Mo42 + 4 D* --> 65Cu29 + 37Cl17 + 63.158 MeV [18.778 MeV] (A_Mo:240)
94Mo42 + 4 D* --> 66Zn30 + 36S16 + 63.697 MeV [19.316 MeV] (A_Mo:241)
94Mo42 + 4 D* --> 68Zn30 + 34S16 + 64.072 MeV [19.692 MeV] (A_Mo:242)
94Mo42 + 4 D* --> 70Zn30 + 32S16 + 59.714 MeV [15.333 MeV] (A_Mo:243)
94Mo42 + 4 D* --> 71Ga31 + 31P15 + 58.714 MeV [14.334 MeV] (A_Mo:244)
94Mo42 + 4 D* --> 72Ge32 + 30Si14 + 61.152 MeV [16.772 MeV] (A_Mo:245)
94Mo42 + 4 D* --> 73Ge32 + 29Si14 + 57.326 MeV [12.945 MeV] (A_Mo:246)
94Mo42 + 4 D* --> 74Ge32 + 28Si14 + 59.048 MeV [14.668 MeV] (A_Mo:247)
94Mo42 + 4 D* --> 75As33 + 27Al13 + 54.362 MeV [9.982 MeV] (A_Mo:248)
94Mo42 + 4 D* --> 76Se34 + 26Mg12 + 55.600 MeV [11.219 MeV] (A_Mo:249)
94Mo42 + 4 D* --> 77Se34 + 25Mg12 + 51.926 MeV [7.545 MeV] (A_Mo:250)
94Mo42 + 4 D* --> 78Se34 + 24Mg12 + 55.093 MeV [10.712 MeV] (A_Mo:251)
94Mo42 + 4 D* --> 79Br35 + 23Na11 + 49.732 MeV [5.351 MeV] (A_Mo:252)
94Mo42 + 4 D* --> 80Kr36 + 22Ne10 + 50.050 MeV [5.670 MeV] (A_Mo:253)
94Mo42 + 4 D* --> 82Kr36 + 20Ne10 + 51.765 MeV [7.384 MeV] (A_Mo:254)
94Mo42 + 4 D* --> 84Sr38 + 18O8 + 45.559 MeV [1.178 MeV] (A_Mo:255)
94Mo42 + 4 D* --> 86Sr38 + 16O8 + 53.394 MeV [9.013 MeV] (A_Mo:256)
94Mo42 + 4 D* --> 90Zr40 + 12C6 + 52.900 MeV [8.520 MeV] (A_Mo:257)
94Mo42 + 4 D* --> 98Ru44 + 4He2 + 49.933 MeV [5.552 MeV] (A_Mo:258)
94Mo42 + 4 D* --> 99Ru44 + 3He2 + 36.819 MeV [-7.561 MeV] (A_Mo:259)
94Mo42 + 4 D* --> 102Pd46 + 52.058 MeV [7.678 MeV] (A_Mo:260)

94Mo42 + 5 D* --> 53Cr24 + 51V23 + 84.755 MeV [28.413 MeV] (A_Mo:261)
94Mo42 + 5 D* --> 54Cr24 + 50V23 + 83.423 MeV [27.081 MeV] (A_Mo:262)
94Mo42 + 5 D* --> 55Mn25 + 49Ti22 + 83.538 MeV [27.196 MeV] (A_Mo:263)
94Mo42 + 5 D* --> 64Ni28 + 40K19 + 77.903 MeV [21.561 MeV] (A_Mo:264)
94Mo42 + 5 D* --> 67Zn30 + 37Cl17 + 76.911 MeV [20.568 MeV] (A_Mo:265)
94Mo42 + 5 D* --> 71Ga31 + 33S16 + 73.995 MeV [17.653 MeV] (A_Mo:266)
94Mo42 + 5 D* --> 73Ge32 + 31P15 + 73.007 MeV [16.665 MeV] (A_Mo:267)
94Mo42 + 5 D* --> 75As33 + 29Si14 + 72.196 MeV [15.854 MeV] (A_Mo:268)
94Mo42 + 5 D* --> 77Se34 + 27Al13 + 69.065 MeV [12.723 MeV] (A_Mo:269)
94Mo42 + 5 D* --> 79Br35 + 25Mg12 + 66.530 MeV [10.188 MeV] (A_Mo:270)
94Mo42 + 5 D* --> 90Zr40 + 14N7 + 63.173 MeV [6.830 MeV] (A_Mo:271)
94Mo42 + 5 D* --> 94Mo42 + 10B5 + 53.628 MeV [-2.715 MeV] (A_Mo:272)
94Mo42 + 5 D* --> 98Ru44 + 6Li3 + 51.407 MeV [-4.936 MeV] (A_Mo:273)
94Mo42 + 5 D* --> 102Pd46 + 2H1 + 52.058 MeV [-4.284 MeV] (A_Mo:274)

94Mo42 + 6 D* --> 53Cr24 + 53Cr24 + 100.974 MeV [32.331 MeV] (A_Mo:275)
94Mo42 + 6 D* --> 54Cr24 + 52Cr24 + 102.754 MeV [34.111 MeV] (A_Mo:276)
94Mo42 + 6 D* --> 55Mn25 + 51V23 + 100.317 MeV [31.673 MeV] (A_Mo:277)
94Mo42 + 6 D* --> 56Fe26 + 50Ti22 + 102.437 MeV [33.793 MeV] (A_Mo:278)
94Mo42 + 6 D* --> 57Fe26 + 49Ti22 + 99.144 MeV [30.500 MeV] (A_Mo:279)
94Mo42 + 6 D* --> 58Fe26 + 48Ti22 + 101.046 MeV [32.402 MeV] (A_Mo:280)
94Mo42 + 6 D* --> 58Ni28 + 48Ca20 + 94.846 MeV [26.203 MeV] (A_Mo:281)
94Mo42 + 6 D* --> 60Ni28 + 46Ca20 + 98.012 MeV [29.368 MeV] (A_Mo:282)
94Mo42 + 6 D* --> 62Ni28 + 44Ca20 + 98.619 MeV [29.976 MeV] (A_Mo:283)
94Mo42 + 6 D* --> 64Ni28 + 42Ca20 + 96.051 MeV [27.407 MeV] (A_Mo:284)
94Mo42 + 6 D* --> 65Cu29 + 41K19 + 93.227 MeV [24.584 MeV] (A_Mo:285)
94Mo42 + 6 D* --> 66Zn30 + 40Ar18 + 94.344 MeV [25.700 MeV] (A_Mo:286)
94Mo42 + 6 D* --> 68Zn30 + 38Ar18 + 95.126 MeV [26.483 MeV] (A_Mo:287)

94Mo42 + 6 D* --> 70Zn30 + 36Ar18 + 90.201 MeV [21.557 MeV] (A_Mo:288)
94Mo42 + 6 D* --> 69Ga31 + 37Cl17 + 91.494 MeV [22.850 MeV] (A_Mo:289)
94Mo42 + 6 D* --> 71Ga31 + 35Cl17 + 89.558 MeV [20.915 MeV] (A_Mo:290)
94Mo42 + 6 D* --> 70Ge32 + 36S16 + 91.632 MeV [22.988 MeV] (A_Mo:291)
94Mo42 + 6 D* --> 72Ge32 + 34S16 + 92.922 MeV [24.279 MeV] (A_Mo:292)
94Mo42 + 6 D* --> 73Ge32 + 33S16 + 88.288 MeV [19.645 MeV] (A_Mo:293)
94Mo42 + 6 D* --> 74Ge32 + 32S16 + 89.843 MeV [21.199 MeV] (A_Mo:294)
94Mo42 + 6 D* --> 75As33 + 31P15 + 87.878 MeV [19.234 MeV] (A_Mo:295)
94Mo42 + 6 D* --> 76Se34 + 30Si14 + 90.090 MeV [21.446 MeV] (A_Mo:296)
94Mo42 + 6 D* --> 77Se34 + 29Si14 + 86.899 MeV [18.256 MeV] (A_Mo:297)
94Mo42 + 6 D* --> 78Se34 + 28Si14 + 88.924 MeV [20.280 MeV] (A_Mo:298)
94Mo42 + 6 D* --> 79Br35 + 27Al13 + 83.670 MeV [15.026 MeV] (A_Mo:299)
94Mo42 + 6 D* --> 80Kr36 + 26Mg12 + 84.512 MeV [15.868 MeV] (A_Mo:300)
94Mo42 + 6 D* --> 82Kr36 + 24Mg12 + 84.928 MeV [16.284 MeV] (A_Mo:301)
94Mo42 + 6 D* --> 84Sr38 + 22Ne10 + 79.073 MeV [10.430 MeV] (A_Mo:302)
94Mo42 + 6 D* --> 86Sr38 + 20Ne10 + 81.970 MeV [13.327 MeV] (A_Mo:303)
94Mo42 + 6 D* --> 90Zr40 + 16O8 + 83.909 MeV [15.265 MeV] (A_Mo:304)
94Mo42 + 6 D* --> 94Mo42 + 12C6 + 78.814 MeV [10.171 MeV] (A_Mo:305)
94Mo42 + 6 D* --> 102Pd46 + 4He2 + 75.905 MeV [7.261 MeV] (A_Mo:306)
94Mo42 + 6 D* --> 106Cd48 + 77.537 MeV [8.894 MeV] (A_Mo:307)

94Mo42 + 7 D* --> 55Mn25 + 53Cr24 + 116.536 MeV [35.256 MeV] (A_Mo:308)
94Mo42 + 7 D* --> 57Fe26 + 51V23 + 115.922 MeV [34.642 MeV] (A_Mo:309)
94Mo42 + 7 D* --> 58Fe26 + 50V23 + 114.915 MeV [33.635 MeV] (A_Mo:310)
94Mo42 + 7 D* --> 59Co27 + 49Ti22 + 114.328 MeV [33.048 MeV] (A_Mo:311)
94Mo42 + 7 D* --> 65Cu29 + 43Ca20 + 109.213 MeV [27.933 MeV] (A_Mo:312)
94Mo42 + 7 D* --> 67Zn30 + 41K19 + 106.980 MeV [25.700 MeV] (A_Mo:313)
94Mo42 + 7 D* --> 68Zn30 + 40K19 + 107.083 MeV [25.803 MeV] (A_Mo:314)
94Mo42 + 7 D* --> 73Ge32 + 35Cl17 + 103.851 MeV [22.571 MeV] (A_Mo:315)
94Mo42 + 7 D* --> 75As33 + 33S16 + 103.159 MeV [21.879 MeV] (A_Mo:316)
94Mo42 + 7 D* --> 77Se34 + 31P15 + 102.581 MeV [21.301 MeV] (A_Mo:317)
94Mo42 + 7 D* --> 79Br35 + 29Si14 + 101.504 MeV [20.224 MeV] (A_Mo:318)
94Mo42 + 7 D* --> 94Mo42 + 14N7 + 89.087 MeV [7.807 MeV] (A_Mo:319)
94Mo42 + 7 D* --> 98Ru44 + 10B5 + 79.714 MeV [-1.566 MeV] (A_Mo:320)
94Mo42 + 7 D* --> 102Pd46 + 6Li3 + 77.379 MeV [-3.901 MeV] (A_Mo:321)
94Mo42 + 7 D* --> 106Cd48 + 2H1 + 77.537 MeV [-3.743 MeV] (A_Mo:322)

94Mo42 + 8 D* --> 55Mn25 + 55Mn25 + 132.097 MeV [37.849 MeV] (A_Mo:323)
94Mo42 + 8 D* --> 56Fe26 + 54Cr24 + 134.214 MeV [39.965 MeV] (A_Mo:324)
94Mo42 + 8 D* --> 57Fe26 + 53Cr24 + 132.141 MeV [37.892 MeV] (A_Mo:325)
94Mo42 + 8 D* --> 58Fe26 + 52Cr24 + 134.246 MeV [39.998 MeV] (A_Mo:326)
94Mo42 + 8 D* --> 59Co27 + 51V23 + 131.106 MeV [36.857 MeV] (A_Mo:327)
94Mo42 + 8 D* --> 60Ni28 + 50Ti22 + 132.575 MeV [38.326 MeV] (A_Mo:328)
94Mo42 + 8 D* --> 61Ni28 + 49Ti22 + 129.456 MeV [35.207 MeV] (A_Mo:329)
94Mo42 + 8 D* --> 62Ni28 + 48Ti22 + 131.910 MeV [37.661 MeV] (A_Mo:330)
94Mo42 + 8 D* --> 64Ni28 + 46Ti22 + 127.899 MeV [33.650 MeV] (A_Mo:331)
94Mo42 + 8 D* --> 65Cu29 + 45Sc21 + 125.008 MeV [30.759 MeV] (A_Mo:332)
94Mo42 + 8 D* --> 64Zn30 + 46Ca20 + 125.815 MeV [31.566 MeV] (A_Mo:333)
94Mo42 + 8 D* --> 66Zn30 + 44Ca20 + 127.044 MeV [32.796 MeV] (A_Mo:334)
94Mo42 + 8 D* --> 67Zn30 + 43Ca20 + 122.965 MeV [28.717 MeV] (A_Mo:335)
94Mo42 + 8 D* --> 68Zn30 + 42Ca20 + 125.230 MeV [30.982 MeV] (A_Mo:336)
94Mo42 + 8 D* --> 70Zn30 + 40Ca20 + 121.087 MeV [26.839 MeV] (A_Mo:337)
94Mo42 + 8 D* --> 69Ga31 + 41K19 + 121.563 MeV [27.314 MeV] (A_Mo:338)
94Mo42 + 8 D* --> 71Ga31 + 39K19 + 120.623 MeV [26.375 MeV] (A_Mo:339)

94Mo42 + 8 D* --> 70Ge32 + 40Ar18 + 122.279 MeV [28.031 MeV] (A_Mo:340)
94Mo42 + 8 D* --> 72Ge32 + 38Ar18 + 123.977 MeV [29.728 MeV] (A_Mo:341)
94Mo42 + 8 D* --> 74Ge32 + 36Ar18 + 120.330 MeV [26.082 MeV] (A_Mo:342)
94Mo42 + 8 D* --> 75As33 + 35Cl17 + 118.722 MeV [24.474 MeV] (A_Mo:343)
94Mo42 + 8 D* --> 74Se34 + 36S16 + 119.553 MeV [25.304 MeV] (A_Mo:344)
94Mo42 + 8 D* --> 76Se34 + 34S16 + 121.860 MeV [27.611 MeV] (A_Mo:345)
94Mo42 + 8 D* --> 77Se34 + 33S16 + 117.862 MeV [23.613 MeV] (A_Mo:346)
94Mo42 + 8 D* --> 78Se34 + 32S16 + 119.718 MeV [25.469 MeV] (A_Mo:347)
94Mo42 + 8 D* --> 79Br35 + 31P15 + 117.185 MeV [22.937 MeV] (A_Mo:348)
94Mo42 + 8 D* --> 80Kr36 + 30Si14 + 119.001 MeV [24.753 MeV] (A_Mo:349)
94Mo42 + 8 D* --> 82Kr36 + 28Si14 + 118.758 MeV [24.510 MeV] (A_Mo:350)
94Mo42 + 8 D* --> 84Sr38 + 26Mg12 + 113.534 MeV [19.286 MeV] (A_Mo:351)
94Mo42 + 8 D* --> 86Sr38 + 24Mg12 + 115.133 MeV [20.885 MeV] (A_Mo:352)
94Mo42 + 8 D* --> 90Zr40 + 20Ne10 + 112.485 MeV [18.237 MeV] (A_Mo:353)
94Mo42 + 8 D* --> 92Mo42 + 18O8 + 104.263 MeV [10.014 MeV] (A_Mo:354)
94Mo42 + 8 D* --> 94Mo42 + 16O8 + 109.823 MeV [15.574 MeV] (A_Mo:355)
94Mo42 + 8 D* --> 98Ru44 + 12C6 + 104.901 MeV [10.652 MeV] (A_Mo:356)
94Mo42 + 8 D* --> 106Cd48 + 4He2 + 101.384 MeV [7.135 MeV] (A_Mo:357)

94Mo42 + 9 D* --> 57Fe26 + 55Mn25 + 147.702 MeV [40.157 MeV] (A_Mo:358)
94Mo42 + 9 D* --> 59Co27 + 53Cr24 + 147.325 MeV [39.779 MeV] (A_Mo:359)
94Mo42 + 9 D* --> 61Ni28 + 51V23 + 146.234 MeV [38.689 MeV] (A_Mo:360)
94Mo42 + 9 D* --> 62Ni28 + 50V23 + 145.779 MeV [38.234 MeV] (A_Mo:361)
94Mo42 + 9 D* --> 63Cu29 + 49Ti22 + 143.950 MeV [36.405 MeV] (A_Mo:362)
94Mo42 + 9 D* --> 65Cu29 + 47Ti22 + 142.008 MeV [34.462 MeV] (A_Mo:363)
94Mo42 + 9 D* --> 67Zn30 + 45Sc21 + 138.760 MeV [31.215 MeV] (A_Mo:364)
94Mo42 + 9 D* --> 69Ga31 + 43Ca20 + 137.548 MeV [30.003 MeV] (A_Mo:365)
94Mo42 + 9 D* --> 72Ge32 + 40K19 + 135.933 MeV [28.387 MeV] (A_Mo:366)
94Mo42 + 9 D* --> 73Ge32 + 39K19 + 134.916 MeV [27.371 MeV] (A_Mo:367)
94Mo42 + 9 D* --> 77Se34 + 35Cl17 + 133.425 MeV [25.879 MeV] (A_Mo:368)
94Mo42 + 9 D* --> 79Br35 + 33S16 + 132.466 MeV [24.921 MeV] (A_Mo:369)
94Mo42 + 9 D* --> 98Ru44 + 14N7 + 115.173 MeV [7.627 MeV] (A_Mo:370)
94Mo42 + 9 D* --> 102Pd46 + 10B5 + 105.686 MeV [-1.859 MeV] (A_Mo:371)
94Mo42 + 9 D* --> 106Cd48 + 6Li3 + 102.857 MeV [-4.688 MeV] (A_Mo:372)

94Mo42 + 10 D* --> 57Fe26 + 57Fe26 + 163.308 MeV [42.140 MeV] (A_Mo:373)
94Mo42 + 10 D* --> 58Fe26 + 56Fe26 + 165.706 MeV [44.538 MeV] (A_Mo:374)
94Mo42 + 10 D* --> 59Co27 + 55Mn25 + 162.887 MeV [41.719 MeV] (A_Mo:375)
94Mo42 + 10 D* --> 60Ni28 + 54Cr24 + 164.352 MeV [43.184 MeV] (A_Mo:376)
94Mo42 + 10 D* --> 61Ni28 + 53Cr24 + 162.453 MeV [41.285 MeV] (A_Mo:377)
94Mo42 + 10 D* --> 62Ni28 + 52Cr24 + 165.111 MeV [43.943 MeV] (A_Mo:378)
94Mo42 + 10 D* --> 64Ni28 + 50Cr24 + 160.306 MeV [39.138 MeV] (A_Mo:379)
94Mo42 + 10 D* --> 63Cu29 + 51V23 + 160.728 MeV [39.560 MeV] (A_Mo:380)
94Mo42 + 10 D* --> 64Zn30 + 50Ti22 + 160.378 MeV [39.210 MeV] (A_Mo:381)
94Mo42 + 10 D* --> 66Zn30 + 48Ti22 + 160.335 MeV [39.167 MeV] (A_Mo:382)
94Mo42 + 10 D* --> 67Zn30 + 47Ti22 + 155.760 MeV [34.592 MeV] (A_Mo:383)
94Mo42 + 10 D* --> 68Zn30 + 46Ti22 + 157.078 MeV [35.910 MeV] (A_Mo:384)
94Mo42 + 10 D* --> 69Ga31 + 45Sc21 + 153.343 MeV [32.175 MeV] (A_Mo:385)
94Mo42 + 10 D* --> 70Ge32 + 44Ca20 + 154.979 MeV [33.811 MeV] (A_Mo:386)
94Mo42 + 10 D* --> 72Ge32 + 42Ca20 + 154.080 MeV [32.913 MeV] (A_Mo:387)
94Mo42 + 10 D* --> 74Ge32 + 40Ca20 + 151.216 MeV [30.048 MeV] (A_Mo:388)
94Mo42 + 10 D* --> 75As33 + 39K19 + 149.787 MeV [28.619 MeV] (A_Mo:389)
94Mo42 + 10 D* --> 74Se34 + 40Ar18 + 150.200 MeV [29.032 MeV] (A_Mo:390)
94Mo42 + 10 D* --> 76Se34 + 38Ar18 + 152.914 MeV [31.746 MeV] (A_Mo:391)

94Mo42 + 10 D* --> 78Se34 + 36Ar18 + 150.205 MeV [29.037 MeV] (A_Mo:392)
94Mo42 + 10 D* --> 79Br35 + 35Cl17 + 148.030 MeV [26.862 MeV] (A_Mo:393)
94Mo42 + 10 D* --> 78Kr36 + 36S16 + 147.791 MeV [26.623 MeV] (A_Mo:394)
94Mo42 + 10 D* --> 80Kr36 + 34S16 + 150.772 MeV [29.604 MeV] (A_Mo:395)
94Mo42 + 10 D* --> 82Kr36 + 32S16 + 149.553 MeV [28.385 MeV] (A_Mo:396)
94Mo42 + 10 D* --> 84Sr38 + 30Si14 + 148.024 MeV [26.856 MeV] (A_Mo:397)
94Mo42 + 10 D* --> 86Sr38 + 28Si14 + 148.964 MeV [27.796 MeV] (A_Mo:398)
94Mo42 + 10 D* --> 90Zr40 + 24Mg12 + 145.648 MeV [24.480 MeV] (A_Mo:399)
94Mo42 + 10 D* --> 92Mo42 + 22Ne10 + 137.777 MeV [16.609 MeV] (A_Mo:400)
94Mo42 + 10 D* --> 94Mo42 + 20Ne10 + 138.399 MeV [17.231 MeV] (A_Mo:401)
94Mo42 + 10 D* --> 96Ru44 + 18O8 + 129.801 MeV [8.633 MeV] (A_Mo:402)
94Mo42 + 10 D* --> 98Ru44 + 16O8 + 135.909 MeV [14.741 MeV] (A_Mo:403)
94Mo42 + 10 D* --> 102Pd46 + 12C6 + 130.873 MeV [9.705 MeV] (A_Mo:404)

94Mo42 + 11 D* --> 59Co27 + 57Fe26 + 178.492 MeV [43.379 MeV] (A_Mo:405)
94Mo42 + 11 D* --> 61Ni28 + 55Mn25 + 178.015 MeV [42.902 MeV] (A_Mo:406)
94Mo42 + 11 D* --> 63Cu29 + 53Cr24 + 176.948 MeV [41.835 MeV] (A_Mo:407)
94Mo42 + 11 D* --> 66Zn30 + 50V23 + 174.204 MeV [39.092 MeV] (A_Mo:408)
94Mo42 + 11 D* --> 69Ga31 + 47Ti22 + 170.343 MeV [35.231 MeV] (A_Mo:409)
94Mo42 + 11 D* --> 76Se34 + 40K19 + 164.870 MeV [29.758 MeV] (A_Mo:410)
94Mo42 + 11 D* --> 77Se34 + 39K19 + 164.490 MeV [29.377 MeV] (A_Mo:411)
94Mo42 + 11 D* --> 102Pd46 + 14N7 + 141.145 MeV [6.032 MeV] (A_Mo:412)
94Mo42 + 11 D* --> 106Cd48 + 10B5 + 131.165 MeV [-3.948 MeV] (A_Mo:413)

94Mo42 + 12 D* --> 59Co27 + 59Co27 + 193.676 MeV [44.299 MeV] (A_Mo:414)
94Mo42 + 12 D* --> 60Ni28 + 58Fe26 + 195.844 MeV [46.468 MeV] (A_Mo:415)
94Mo42 + 12 D* --> 61Ni28 + 57Fe26 + 193.620 MeV [44.243 MeV] (A_Mo:416)
94Mo42 + 12 D* --> 62Ni28 + 56Fe26 + 196.570 MeV [47.194 MeV] (A_Mo:417)
94Mo42 + 12 D* --> 64Ni28 + 54Fe26 + 192.571 MeV [43.194 MeV] (A_Mo:418)
94Mo42 + 12 D* --> 63Cu29 + 55Mn25 + 192.509 MeV [43.133 MeV] (A_Mo:419)
94Mo42 + 12 D* --> 64Zn30 + 54Cr24 + 192.155 MeV [42.779 MeV] (A_Mo:420)
94Mo42 + 12 D* --> 66Zn30 + 52Cr24 + 193.535 MeV [44.159 MeV] (A_Mo:421)
94Mo42 + 12 D* --> 68Zn30 + 50Cr24 + 189.486 MeV [40.109 MeV] (A_Mo:422)
94Mo42 + 12 D* --> 70Ge32 + 48Ti22 + 188.270 MeV [38.893 MeV] (A_Mo:423)
94Mo42 + 12 D* --> 72Ge32 + 46Ti22 + 185.928 MeV [36.552 MeV] (A_Mo:424)
94Mo42 + 12 D* --> 74Se34 + 44Ca20 + 182.900 MeV [33.524 MeV] (A_Mo:425)
94Mo42 + 12 D* --> 76Se34 + 42Ca20 + 183.018 MeV [33.642 MeV] (A_Mo:426)
94Mo42 + 12 D* --> 78Se34 + 40Ca20 + 181.091 MeV [31.715 MeV] (A_Mo:427)
94Mo42 + 12 D* --> 79Br35 + 39K19 + 179.094 MeV [29.718 MeV] (A_Mo:428)
94Mo42 + 12 D* --> 78Kr36 + 40Ar18 + 178.439 MeV [29.062 MeV] (A_Mo:429)
94Mo42 + 12 D* --> 80Kr36 + 38Ar18 + 181.826 MeV [32.450 MeV] (A_Mo:430)
94Mo42 + 12 D* --> 82Kr36 + 36Ar18 + 180.040 MeV [30.664 MeV] (A_Mo:431)
94Mo42 + 12 D* --> 84Sr38 + 34S16 + 179.795 MeV [30.418 MeV] (A_Mo:432)
94Mo42 + 12 D* --> 86Sr38 + 32S16 + 179.758 MeV [30.382 MeV] (A_Mo:433)
94Mo42 + 12 D* --> 90Zr40 + 28Si14 + 179.479 MeV [30.103 MeV] (A_Mo:434)
94Mo42 + 12 D* --> 92Mo42 + 26Mg12 + 172.239 MeV [22.862 MeV] (A_Mo:435)
94Mo42 + 12 D* --> 94Mo42 + 24Mg12 + 171.562 MeV [22.186 MeV] (A_Mo:436)
94Mo42 + 12 D* --> 96Ru44 + 22Ne10 + 163.316 MeV [13.939 MeV] (A_Mo:437)
94Mo42 + 12 D* --> 98Ru44 + 20Ne10 + 164.485 MeV [15.109 MeV] (A_Mo:438)
94Mo42 + 12 D* --> 102Pd46 + 16O8 + 161.881 MeV [12.505 MeV] (A_Mo:439)
94Mo42 + 12 D* --> 106Cd48 + 12C6 + 156.351 MeV [6.975 MeV] (A_Mo:440)

95Mo42 + D* --> 51V23 + 46Ca20 + 20.765 MeV [10.234 MeV] (A_Mo:441)
95Mo42 + D* --> 70Zn30 + 27Al13 + 12.190 MeV [1.659 MeV] (A_Mo:442)

95Mo42 + D* --> 71Ga31 + 26Mg12 + 11.783 MeV [1.253 MeV] (A_Mo:443)
95Mo42 + D* --> 74Ge32 + 23Na11 + 8.381 MeV [-2.150 MeV] (A_Mo:444)
95Mo42 + D* --> 75As33 + 22Ne10 + 6.485 MeV [-4.045 MeV] (A_Mo:445)
95Mo42 + D* --> 78Se34 + 19F9 + 3.942 MeV [-6.589 MeV] (A_Mo:446)
95Mo42 + D* --> 79Br35 + 18O8 + 2.278 MeV [-8.252 MeV] (A_Mo:447)
95Mo42 + D* --> 81Br35 + 16O8 + 8.140 MeV [-2.390 MeV] (A_Mo:448)
95Mo42 + D* --> 82Kr36 + 15N7 + 5.916 MeV [-4.614 MeV] (A_Mo:449)
95Mo42 + D* --> 83Kr36 + 14N7 + 2.547 MeV [-7.984 MeV] (A_Mo:450)
95Mo42 + D* --> 85Rb37 + 12C6 + 7.596 MeV [-2.935 MeV] (A_Mo:451)
95Mo42 + D* --> 86Sr38 + 11B5 + 1.284 MeV [-9.247 MeV] (A_Mo:452)
95Mo42 + D* --> 93Nb41 + 4He2 + 10.212 MeV [-0.319 MeV] (A_Mo:453)
95Mo42 + D* --> 96Mo42 + 1H1 + 6.930 MeV [-3.601 MeV] (A_Mo:454)

95Mo42 + 2 D* --> 50Ti22 + 49Ti22 + 38.549 MeV [17.133 MeV] (A_Mo:455)
95Mo42 + 2 D* --> 53Cr24 + 46Ca20 + 36.984 MeV [15.568 MeV] (A_Mo:456)
95Mo42 + 2 D* --> 70Zn30 + 29Si14 + 30.024 MeV [8.608 MeV] (A_Mo:457)
95Mo42 + 2 D* --> 73Ge32 + 26Mg12 + 26.076 MeV [4.660 MeV] (A_Mo:458)
95Mo42 + 2 D* --> 74Ge32 + 25Mg12 + 25.179 MeV [3.763 MeV] (A_Mo:459)
95Mo42 + 2 D* --> 77Se34 + 22Ne10 + 21.188 MeV [-0.228 MeV] (A_Mo:460)
95Mo42 + 2 D* --> 78Se34 + 21Ne10 + 21.322 MeV [-0.094 MeV] (A_Mo:461)
95Mo42 + 2 D* --> 82Kr36 + 17O8 + 19.962 MeV [-1.454 MeV] (A_Mo:462)
95Mo42 + 2 D* --> 83Kr36 + 16O8 + 23.283 MeV [1.867 MeV] (A_Mo:463)
95Mo42 + 2 D* --> 85Rb37 + 14N7 + 17.868 MeV [-3.548 MeV] (A_Mo:464)
95Mo42 + 2 D* --> 86Sr38 + 13C6 + 19.963 MeV [-1.454 MeV] (A_Mo:465)
95Mo42 + 2 D* --> 87Sr38 + 12C6 + 23.444 MeV [2.028 MeV] (A_Mo:466)
95Mo42 + 2 D* --> 89Y39 + 10B5 + 14.215 MeV [-7.201 MeV] (A_Mo:467)
95Mo42 + 2 D* --> 90Zr40 + 9Be4 + 15.984 MeV [-5.432 MeV] (A_Mo:468)
95Mo42 + 2 D* --> 93Nb41 + 6Li3 + 11.685 MeV [-9.731 MeV] (A_Mo:469)
95Mo42 + 2 D* --> 95Mo42 + 4He2 + 23.847 MeV [2.430 MeV] (A_Mo:470)
95Mo42 + 2 D* --> 96Mo42 + 3He2 + 12.423 MeV [-8.993 MeV] (A_Mo:471)
95Mo42 + 2 D* --> 99Ru44 + 26.181 MeV [4.765 MeV] (A_Mo:472)

95Mo42 + 3 D* --> 51V23 + 50Ti22 + 55.328 MeV [22.675 MeV] (A_Mo:473)
95Mo42 + 3 D* --> 55Mn25 + 46Ca20 + 52.545 MeV [19.893 MeV] (A_Mo:474)
95Mo42 + 3 D* --> 64Ni28 + 37Cl17 + 50.560 MeV [17.908 MeV] (A_Mo:475)
95Mo42 + 3 D* --> 65Cu29 + 36S16 + 49.627 MeV [16.975 MeV] (A_Mo:476)
95Mo42 + 3 D* --> 70Zn30 + 31P15 + 45.705 MeV [13.052 MeV] (A_Mo:477)
95Mo42 + 3 D* --> 71Ga31 + 30Si14 + 46.273 MeV [13.620 MeV] (A_Mo:478)
95Mo42 + 3 D* --> 74Ge32 + 27Al13 + 42.319 MeV [9.666 MeV] (A_Mo:479)
95Mo42 + 3 D* --> 75As33 + 26Mg12 + 40.947 MeV [8.294 MeV] (A_Mo:480)
95Mo42 + 3 D* --> 78Se34 + 23Na11 + 38.256 MeV [5.603 MeV] (A_Mo:481)
95Mo42 + 3 D* --> 79Br35 + 22Ne10 + 35.793 MeV [3.140 MeV] (A_Mo:482)
95Mo42 + 3 D* --> 81Br35 + 20Ne10 + 36.716 MeV [4.064 MeV] (A_Mo:483)
95Mo42 + 3 D* --> 82Kr36 + 19F9 + 33.777 MeV [1.124 MeV] (A_Mo:484)
95Mo42 + 3 D* --> 85Rb37 + 16O8 + 38.604 MeV [5.951 MeV] (A_Mo:485)
95Mo42 + 3 D* --> 86Sr38 + 15N7 + 36.122 MeV [3.469 MeV] (A_Mo:486)
95Mo42 + 3 D* --> 87Sr38 + 14N7 + 33.717 MeV [1.064 MeV] (A_Mo:487)
95Mo42 + 3 D* --> 89Y39 + 12C6 + 39.401 MeV [6.749 MeV] (A_Mo:488)
95Mo42 + 3 D* --> 90Zr40 + 11B5 + 31.799 MeV [-0.854 MeV] (A_Mo:489)
95Mo42 + 3 D* --> 91Zr40 + 10B5 + 27.539 MeV [-5.113 MeV] (A_Mo:490)
95Mo42 + 3 D* --> 94Mo42 + 7Li3 + 25.201 MeV [-7.451 MeV] (A_Mo:491)
95Mo42 + 3 D* --> 95Mo42 + 6Li3 + 25.320 MeV [-7.332 MeV] (A_Mo:492)
95Mo42 + 3 D* --> 99Ru44 + 2H1 + 26.181 MeV [-6.472 MeV] (A_Mo:493)
95Mo42 + 3 D* --> 100Ru44 + 1H1 + 33.630 MeV [00.977 MeV] (A_Mo:494)

95Mo42 + 4 D* --> 53Cr24 + 50Ti22 + 71.547 MeV [27.310 MeV] (A_Mo:495)
95Mo42 + 4 D* --> 54Cr24 + 49Ti22 + 70.327 MeV [26.090 MeV] (A_Mo:496)
95Mo42 + 4 D* --> 57Fe26 + 46Ca20 + 68.151 MeV [23.914 MeV] (A_Mo:497)
95Mo42 + 4 D* --> 67Zn30 + 36S16 + 63.380 MeV [19.144 MeV] (A_Mo:498)
95Mo42 + 4 D* --> 70Zn30 + 33S16 + 60.986 MeV [16.750 MeV] (A_Mo:499)
95Mo42 + 4 D* --> 73Ge32 + 30Si14 + 60.566 MeV [16.330 MeV] (A_Mo:500)
95Mo42 + 4 D* --> 74Ge32 + 29Si14 + 60.153 MeV [15.917 MeV] (A_Mo:501)
95Mo42 + 4 D* --> 77Se34 + 26Mg12 + 55.650 MeV [11.413 MeV] (A_Mo:502)
95Mo42 + 4 D* --> 78Se34 + 25Mg12 + 55.054 MeV [10.818 MeV] (A_Mo:503)
95Mo42 + 4 D* --> 82Kr36 + 21Ne10 + 51.157 MeV [6.920 MeV] (A_Mo:504)
95Mo42 + 4 D* --> 83Kr36 + 20Ne10 + 51.859 MeV [7.623 MeV] (A_Mo:505)
95Mo42 + 4 D* --> 86Sr38 + 17O8 + 50.168 MeV [5.931 MeV] (A_Mo:506)
95Mo42 + 4 D* --> 87Sr38 + 16O8 + 54.453 MeV [10.216 MeV] (A_Mo:507)
95Mo42 + 4 D* --> 89Y39 + 14N7 + 49.674 MeV [5.437 MeV] (A_Mo:508)
95Mo42 + 4 D* --> 90Zr40 + 13C6 + 50.478 MeV [6.241 MeV] (A_Mo:509)
95Mo42 + 4 D* --> 91Zr40 + 12C6 + 52.726 MeV [8.489 MeV] (A_Mo:510)
95Mo42 + 4 D* --> 93Nb41 + 10B5 + 39.993 MeV [-4.243 MeV] (A_Mo:511)
95Mo42 + 4 D* --> 94Mo42 + 9Be4 + 41.897 MeV [-2.339 MeV] (A_Mo:512)
95Mo42 + 4 D* --> 99Ru44 + 4He2 + 50.027 MeV [5.791 MeV] (A_Mo:513)
95Mo42 + 4 D* --> 100Ru44 + 3He2 + 39.123 MeV [-5.113 MeV] (A_Mo:514)

95Mo42 + 5 D* --> 54Cr24 + 51V23 + 87.105 MeV [30.942 MeV] (A_Mo:515)
95Mo42 + 5 D* --> 55Mn25 + 50Ti22 + 87.108 MeV [30.945 MeV] (A_Mo:516)
95Mo42 + 5 D* --> 59Co27 + 46Ca20 + 83.335 MeV [27.172 MeV] (A_Mo:517)
95Mo42 + 5 D* --> 64Ni28 + 41K19 + 80.629 MeV [24.466 MeV] (A_Mo:518)
95Mo42 + 5 D* --> 65Cu29 + 40Ar18 + 80.275 MeV [24.112 MeV] (A_Mo:519)
95Mo42 + 5 D* --> 68Zn30 + 37Cl17 + 79.740 MeV [23.577 MeV] (A_Mo:520)
95Mo42 + 5 D* --> 70Zn30 + 35Cl17 + 76.549 MeV [20.386 MeV] (A_Mo:521)
95Mo42 + 5 D* --> 69Ga31 + 36S16 + 77.963 MeV [21.800 MeV] (A_Mo:522)
95Mo42 + 5 D* --> 71Ga31 + 34S16 + 78.043 MeV [21.880 MeV] (A_Mo:523)
95Mo42 + 5 D* --> 74Ge32 + 31P15 + 75.834 MeV [19.671 MeV] (A_Mo:524)
95Mo42 + 5 D* --> 75As33 + 30Si14 + 75.436 MeV [19.273 MeV] (A_Mo:525)
95Mo42 + 5 D* --> 78Se34 + 27Al13 + 72.194 MeV [16.031 MeV] (A_Mo:526)
95Mo42 + 5 D* --> 79Br35 + 26Mg12 + 70.254 MeV [14.091 MeV] (A_Mo:527)
95Mo42 + 5 D* --> 81Br35 + 24Mg12 + 69.880 MeV [13.716 MeV] (A_Mo:528)
95Mo42 + 5 D* --> 82Kr36 + 23Na11 + 68.090 MeV [11.927 MeV] (A_Mo:529)
95Mo42 + 5 D* --> 85Rb37 + 20Ne10 + 67.180 MeV [11.017 MeV] (A_Mo:530)
95Mo42 + 5 D* --> 86Sr38 + 19F9 + 63.982 MeV [7.819 MeV] (A_Mo:531)
95Mo42 + 5 D* --> 89Y39 + 16O8 + 70.410 MeV [14.247 MeV] (A_Mo:532)
95Mo42 + 5 D* --> 90Zr40 + 15N7 + 66.637 MeV [10.474 MeV] (A_Mo:533)
95Mo42 + 5 D* --> 91Zr40 + 14N7 + 62.998 MeV [6.835 MeV] (A_Mo:534)
95Mo42 + 5 D* --> 93Nb41 + 12C6 + 65.179 MeV [9.016 MeV] (A_Mo:535)
95Mo42 + 5 D* --> 94Mo42 + 11B5 + 57.713 MeV [1.550 MeV] (A_Mo:536)
95Mo42 + 5 D* --> 95Mo42 + 10B5 + 53.628 MeV [-2.535 MeV] (A_Mo:537)
95Mo42 + 5 D* --> 98Ru44 + 7Li3 + 51.287 MeV [-4.876 MeV] (A_Mo:538)
95Mo42 + 5 D* --> 99Ru44 + 6Li3 + 51.501 MeV [-4.662 MeV] (A_Mo:539)
95Mo42 + 5 D* --> 104Pd46 + 1H1 + 60.072 MeV [3.909 MeV] (A_Mo:540)

95Mo42 + 6 D* --> 54Cr24 + 53Cr24 + 103.324 MeV [34.895 MeV] (A_Mo:541)
95Mo42 + 6 D* --> 57Fe26 + 50Ti22 + 102.714 MeV [34.285 MeV] (A_Mo:542)
95Mo42 + 6 D* --> 58Fe26 + 49Ti22 + 101.819 MeV [33.390 MeV] (A_Mo:543)
95Mo42 + 6 D* --> 61Ni28 + 46Ca20 + 98.463 MeV [30.034 MeV] (A_Mo:544)
95Mo42 + 6 D* --> 64Ni28 + 43Ca20 + 96.615 MeV [28.186 MeV] (A_Mo:545)

95Mo42 + 6 D* --> 67Zn30 + 40Ar18 + 94.027 MeV [25.598 MeV] (A_Mo:546)
95Mo42 + 6 D* --> 73Ge32 + 34S16 + 92.336 MeV [23.907 MeV] (A_Mo:547)
95Mo42 + 6 D* --> 74Ge32 + 33S16 + 91.115 MeV [22.686 MeV] (A_Mo:548)
95Mo42 + 6 D* --> 77Se34 + 30Si14 + 90.139 MeV [21.710 MeV] (A_Mo:549)
95Mo42 + 6 D* --> 78Se34 + 29Si14 + 90.028 MeV [21.599 MeV] (A_Mo:550)
95Mo42 + 6 D* --> 82Kr36 + 25Mg12 + 84.889 MeV [16.460 MeV] (A_Mo:551)
95Mo42 + 6 D* --> 83Kr36 + 24Mg12 + 85.022 MeV [16.593 MeV] (A_Mo:552)
95Mo42 + 6 D* --> 86Sr38 + 21Ne10 + 81.362 MeV [12.933 MeV] (A_Mo:553)
95Mo42 + 6 D* --> 87Sr38 + 20Ne10 + 83.029 MeV [14.600 MeV] (A_Mo:554)
95Mo42 + 6 D* --> 90Zr40 + 17O8 + 80.683 MeV [12.254 MeV] (A_Mo:555)
95Mo42 + 6 D* --> 91Zr40 + 16O8 + 83.734 MeV [15.305 MeV] (A_Mo:556)
95Mo42 + 6 D* --> 93Nb41 + 14N7 + 75.452 MeV [7.023 MeV] (A_Mo:557)
95Mo42 + 6 D* --> 94Mo42 + 13C6 + 76.392 MeV [7.963 MeV] (A_Mo:558)
95Mo42 + 6 D* --> 95Mo42 + 12C6 + 78.814 MeV [10.385 MeV] (A_Mo:559)
95Mo42 + 6 D* --> 98Ru44 + 9Be4 + 67.984 MeV [-0.445 MeV] (A_Mo:560)
95Mo42 + 6 D* --> 104Pd46 + 3He2 + 65.566 MeV [-2.863 MeV] (A_Mo:561)

95Mo42 + 7 D* --> 55Mn25 + 54Cr24 + 118.886 MeV [37.855 MeV] (A_Mo:562)
95Mo42 + 7 D* --> 58Fe26 + 51V23 + 118.597 MeV [37.567 MeV] (A_Mo:563)
95Mo42 + 7 D* --> 59Co27 + 50Ti22 + 117.898 MeV [36.867 MeV] (A_Mo:564)
95Mo42 + 7 D* --> 64Ni28 + 45Sc21 + 112.410 MeV [31.379 MeV] (A_Mo:565)
95Mo42 + 7 D* --> 63Cu29 + 46Ca20 + 112.957 MeV [31.926 MeV] (A_Mo:566)
95Mo42 + 7 D* --> 65Cu29 + 44Ca20 + 112.975 MeV [31.944 MeV] (A_Mo:567)
95Mo42 + 7 D* --> 68Zn30 + 41K19 + 109.809 MeV [28.778 MeV] (A_Mo:568)
95Mo42 + 7 D* --> 70Zn30 + 39K19 + 107.614 MeV [26.584 MeV] (A_Mo:569)
95Mo42 + 7 D* --> 69Ga31 + 40Ar18 + 108.610 MeV [27.580 MeV] (A_Mo:570)
95Mo42 + 7 D* --> 71Ga31 + 38Ar18 + 109.097 MeV [28.067 MeV] (A_Mo:571)
95Mo42 + 7 D* --> 72Ge32 + 37Cl17 + 108.590 MeV [27.559 MeV] (A_Mo:572)
95Mo42 + 7 D* --> 74Ge32 + 35Cl17 + 106.679 MeV [25.648 MeV] (A_Mo:573)
95Mo42 + 7 D* --> 75As33 + 34S16 + 107.207 MeV [26.176 MeV] (A_Mo:574)
95Mo42 + 7 D* --> 78Se34 + 31P15 + 105.710 MeV [24.679 MeV] (A_Mo:575)
95Mo42 + 7 D* --> 79Br35 + 30Si14 + 104.744 MeV [23.713 MeV] (A_Mo:576)
95Mo42 + 7 D* --> 81Br35 + 28Si14 + 103.710 MeV [22.679 MeV] (A_Mo:577)
95Mo42 + 7 D* --> 82Kr36 + 27Al13 + 102.029 MeV [20.998 MeV] (A_Mo:578)
95Mo42 + 7 D* --> 85Rb37 + 24Mg12 + 100.343 MeV [19.313 MeV] (A_Mo:579)
95Mo42 + 7 D* --> 86Sr38 + 23Na11 + 98.296 MeV [17.265 MeV] (A_Mo:580)
95Mo42 + 7 D* --> 89Y39 + 20Ne10 + 98.986 MeV [17.956 MeV] (A_Mo:581)
95Mo42 + 7 D* --> 90Zr40 + 19F9 + 94.497 MeV [13.467 MeV] (A_Mo:582)
95Mo42 + 7 D* --> 93Nb41 + 16O8 + 96.188 MeV [15.157 MeV] (A_Mo:583)
95Mo42 + 7 D* --> 94Mo42 + 15N7 + 92.551 MeV [11.520 MeV] (A_Mo:584)
95Mo42 + 7 D* --> 95Mo42 + 14N7 + 89.087 MeV [8.056 MeV] (A_Mo:585)
95Mo42 + 7 D* --> 98Ru44 + 11B5 + 83.799 MeV [2.768 MeV] (A_Mo:586)
95Mo42 + 7 D* --> 99Ru44 + 10B5 + 79.809 MeV [-1.222 MeV] (A_Mo:587)
95Mo42 + 7 D* --> 102Pd46 + 7Li3 + 77.259 MeV [-3.771 MeV] (A_Mo:588)
95Mo42 + 7 D* --> 108Cd48 + 1H1 + 86.206 MeV [5.175 MeV] (A_Mo:589)

95Mo42 + 8 D* --> 57Fe26 + 54Cr24 + 134.491 MeV [40.526 MeV] (A_Mo:590)
95Mo42 + 8 D* --> 58Fe26 + 53Cr24 + 134.816 MeV [40.852 MeV] (A_Mo:591)
95Mo42 + 8 D* --> 61Ni28 + 50Ti22 + 133.026 MeV [39.061 MeV] (A_Mo:592)
95Mo42 + 8 D* --> 62Ni28 + 49Ti22 + 132.683 MeV [38.719 MeV] (A_Mo:593)
95Mo42 + 8 D* --> 64Ni28 + 47Ti22 + 129.410 MeV [35.445 MeV] (A_Mo:594)
95Mo42 + 8 D* --> 67Zn30 + 44Ca20 + 126.727 MeV [32.763 MeV] (A_Mo:595)
95Mo42 + 8 D* --> 68Zn30 + 43Ca20 + 125.794 MeV [31.830 MeV] (A_Mo:596)
95Mo42 + 8 D* --> 71Ga31 + 40K19 + 121.054 MeV [27.089 MeV] (A_Mo:597)

95Mo42 + 8 D* --> 73Ge32 + 38Ar18 + 123.390 MeV [29.426 MeV] (A_Mo:598)
95Mo42 + 8 D* --> 77Se34 + 34S16 + 121.910 MeV [27.945 MeV] (A_Mo:599)
95Mo42 + 8 D* --> 78Se34 + 33S16 + 120.990 MeV [27.026 MeV] (A_Mo:600)
95Mo42 + 8 D* --> 82Kr36 + 29Si14 + 119.863 MeV [25.898 MeV] (A_Mo:601)
95Mo42 + 8 D* --> 83Kr36 + 28Si14 + 118.853 MeV [24.888 MeV] (A_Mo:602)
95Mo42 + 8 D* --> 86Sr38 + 25Mg12 + 115.095 MeV [21.130 MeV] (A_Mo:603)
95Mo42 + 8 D* --> 87Sr38 + 24Mg12 + 116.192 MeV [22.228 MeV] (A_Mo:604)
95Mo42 + 8 D* --> 90Zr40 + 21Ne10 + 111.877 MeV [17.913 MeV] (A_Mo:605)
95Mo42 + 8 D* --> 91Zr40 + 20Ne10 + 112.311 MeV [18.346 MeV] (A_Mo:606)
95Mo42 + 8 D* --> 94Mo42 + 17O8 + 106.597 MeV [12.632 MeV] (A_Mo:607)
95Mo42 + 8 D* --> 95Mo42 + 16O8 + 109.823 MeV [15.858 MeV] (A_Mo:608)
95Mo42 + 8 D* --> 98Ru44 + 13C6 + 102.478 MeV [8.513 MeV] (A_Mo:609)
95Mo42 + 8 D* --> 99Ru44 + 12C6 + 104.995 MeV [11.031 MeV] (A_Mo:610)
95Mo42 + 8 D* --> 102Pd46 + 9Be4 + 93.956 MeV [-0.009 MeV] (A_Mo:611)
95Mo42 + 8 D* --> 108Cd48 + 3He2 + 91.699 MeV [-2.265 MeV] (A_Mo:612)

95Mo42 + 9 D* --> 58Fe26 + 55Mn25 + 150.378 MeV [43.151 MeV] (A_Mo:613)
95Mo42 + 9 D* --> 59Co27 + 54Cr24 + 149.675 MeV [42.448 MeV] (A_Mo:614)
95Mo42 + 9 D* --> 62Ni28 + 51V23 + 149.461 MeV [42.234 MeV] (A_Mo:615)
95Mo42 + 9 D* --> 63Cu29 + 50Ti22 + 147.520 MeV [40.293 MeV] (A_Mo:616)
95Mo42 + 9 D* --> 65Cu29 + 48Ti22 + 146.265 MeV [39.038 MeV] (A_Mo:617)
95Mo42 + 9 D* --> 68Zn30 + 45Sc21 + 141.589 MeV [34.362 MeV] (A_Mo:618)
95Mo42 + 9 D* --> 69Ga31 + 44Ca20 + 141.310 MeV [34.083 MeV] (A_Mo:619)
95Mo42 + 9 D* --> 71Ga31 + 42Ca20 + 139.201 MeV [31.974 MeV] (A_Mo:620)
95Mo42 + 9 D* --> 72Ge32 + 41K19 + 138.659 MeV [31.432 MeV] (A_Mo:621)
95Mo42 + 9 D* --> 73Ge32 + 40K19 + 135.347 MeV [28.119 MeV] (A_Mo:622)
95Mo42 + 9 D* --> 74Ge32 + 39K19 + 137.743 MeV [30.516 MeV] (A_Mo:623)
95Mo42 + 9 D* --> 75As33 + 38Ar18 + 138.261 MeV [31.034 MeV] (A_Mo:624)
95Mo42 + 9 D* --> 76Se34 + 37Cl17 + 137.528 MeV [30.300 MeV] (A_Mo:625)
95Mo42 + 9 D* --> 78Se34 + 35Cl17 + 136.554 MeV [29.326 MeV] (A_Mo:626)
95Mo42 + 9 D* --> 79Br35 + 34S16 + 136.514 MeV [29.287 MeV] (A_Mo:627)
95Mo42 + 9 D* --> 81Br35 + 32S16 + 134.505 MeV [27.277 MeV] (A_Mo:628)
95Mo42 + 9 D* --> 82Kr36 + 31P15 + 135.544 MeV [28.317 MeV] (A_Mo:629)
95Mo42 + 9 D* --> 85Rb37 + 28Si14 + 134.174 MeV [26.947 MeV] (A_Mo:630)
95Mo42 + 9 D* --> 86Sr38 + 27Al13 + 132.234 MeV [25.007 MeV] (A_Mo:631)
95Mo42 + 9 D* --> 89Y39 + 24Mg12 + 132.149 MeV [24.922 MeV] (A_Mo:632)
95Mo42 + 9 D* --> 90Zr40 + 23Na11 + 128.811 MeV [21.584 MeV] (A_Mo:633)
95Mo42 + 9 D* --> 93Nb41 + 20Ne10 + 124.764 MeV [17.537 MeV] (A_Mo:634)
95Mo42 + 9 D* --> 94Mo42 + 19F9 + 120.411 MeV [13.184 MeV] (A_Mo:635)
95Mo42 + 9 D* --> 98Ru44 + 15N7 + 118.637 MeV [11.410 MeV] (A_Mo:636)
95Mo42 + 9 D* --> 99Ru44 + 14N7 + 115.268 MeV [8.040 MeV] (A_Mo:637)
95Mo42 + 9 D* --> 102Pd46 + 11B5 + 109.771 MeV [2.544 MeV] (A_Mo:638)
95Mo42 + 9 D* --> 106Cd48 + 7Li3 + 102.738 MeV [-4.489 MeV] (A_Mo:639)
95Mo42 + 9 D* --> 112Sn50 + 1H1 + 111.886 MeV [4.659 MeV] (A_Mo:640)

95Mo42 + 10 D* --> 58Fe26 + 57Fe26 + 165.983 MeV [45.168 MeV] (A_Mo:641)
95Mo42 + 10 D* --> 61Ni28 + 54Cr24 + 164.803 MeV [43.987 MeV] (A_Mo:642)
95Mo42 + 10 D* --> 62Ni28 + 53Cr24 + 165.681 MeV [44.865 MeV] (A_Mo:643)
95Mo42 + 10 D* --> 65Cu29 + 50V23 + 160.135 MeV [39.319 MeV] (A_Mo:644)
95Mo42 + 10 D* --> 66Zn30 + 49Ti22 + 161.108 MeV [40.292 MeV] (A_Mo:645)
95Mo42 + 10 D* --> 67Zn30 + 48Ti22 + 160.018 MeV [39.202 MeV] (A_Mo:646)
95Mo42 + 10 D* --> 68Zn30 + 47Ti22 + 158.589 MeV [37.774 MeV] (A_Mo:647)
95Mo42 + 10 D* --> 72Ge32 + 43Ca20 + 154.644 MeV [33.829 MeV] (A_Mo:648)
95Mo42 + 10 D* --> 73Ge32 + 42Ca20 + 153.494 MeV [32.679 MeV] (A_Mo:649)

95Mo42 + 10 D* --> 75As33 + 40K19 + 150.217 MeV [29.402 MeV] (A_Mo:650)
95Mo42 + 10 D* --> 77Se34 + 38Ar18 + 152.964 MeV [32.148 MeV] (A_Mo:651)
95Mo42 + 10 D* --> 82Kr36 + 33S16 + 150.825 MeV [30.010 MeV] (A_Mo:652)
95Mo42 + 10 D* --> 83Kr36 + 32S16 + 149.647 MeV [28.831 MeV] (A_Mo:653)
95Mo42 + 10 D* --> 86Sr38 + 29Si14 + 150.068 MeV [29.253 MeV] (A_Mo:654)
95Mo42 + 10 D* --> 87Sr38 + 28Si14 + 150.023 MeV [29.207 MeV] (A_Mo:655)
95Mo42 + 10 D* --> 90Zr40 + 25Mg12 + 145.610 MeV [24.794 MeV] (A_Mo:656)
95Mo42 + 10 D* --> 91Zr40 + 24Mg12 + 145.474 MeV [24.658 MeV] (A_Mo:657)
95Mo42 + 10 D* --> 94Mo42 + 21Ne10 + 137.791 MeV [16.976 MeV] (A_Mo:658)
95Mo42 + 10 D* --> 95Mo42 + 20Ne10 + 138.399 MeV [17.583 MeV] (A_Mo:659)
95Mo42 + 10 D* --> 98Ru44 + 17O8 + 132.683 MeV [11.867 MeV] (A_Mo:660)
95Mo42 + 10 D* --> 99Ru44 + 16O8 + 136.004 MeV [15.188 MeV] (A_Mo:661)
95Mo42 + 10 D* --> 102Pd46 + 13C6 + 128.450 MeV [7.634 MeV] (A_Mo:662)
95Mo42 + 10 D* --> 106Cd48 + 9Be4 + 119.435 MeV [-1.381 MeV] (A_Mo:663)
95Mo42 + 10 D* --> 112Sn50 + 3He2 + 117.380 MeV [-3.436 MeV] (A_Mo:664)

95Mo42 + 11 D* --> 59Co27 + 58Fe26 + 181.167 MeV [46.441 MeV] (A_Mo:665)
95Mo42 + 11 D* --> 62Ni28 + 55Mn25 + 181.242 MeV [46.516 MeV] (A_Mo:666)
95Mo42 + 11 D* --> 63Cu29 + 54Cr24 + 179.298 MeV [44.571 MeV] (A_Mo:667)
95Mo42 + 11 D* --> 65Cu29 + 52Cr24 + 179.466 MeV [44.739 MeV] (A_Mo:668)
95Mo42 + 11 D* --> 66Zn30 + 51V23 + 177.886 MeV [43.160 MeV] (A_Mo:669)
95Mo42 + 11 D* --> 67Zn30 + 50V23 + 173.887 MeV [39.161 MeV] (A_Mo:670)
95Mo42 + 11 D* --> 69Ga31 + 48Ti22 + 174.601 MeV [39.874 MeV] (A_Mo:671)
95Mo42 + 11 D* --> 71Ga31 + 46Ti22 + 171.049 MeV [36.323 MeV] (A_Mo:672)
95Mo42 + 11 D* --> 72Ge32 + 45Sc21 + 170.439 MeV [35.713 MeV] (A_Mo:673)
95Mo42 + 11 D* --> 75As33 + 42Ca20 + 168.365 MeV [33.638 MeV] (A_Mo:674)
95Mo42 + 11 D* --> 76Se34 + 41K19 + 167.597 MeV [32.870 MeV] (A_Mo:675)
95Mo42 + 11 D* --> 77Se34 + 40K19 + 164.920 MeV [30.194 MeV] (A_Mo:676)
95Mo42 + 11 D* --> 78Se34 + 39K19 + 167.619 MeV [32.892 MeV] (A_Mo:677)
95Mo42 + 11 D* --> 79Br35 + 38Ar18 + 167.569 MeV [32.842 MeV] (A_Mo:678)
95Mo42 + 11 D* --> 81Br35 + 36Ar18 + 164.992 MeV [30.265 MeV] (A_Mo:679)
95Mo42 + 11 D* --> 80Kr36 + 37Cl17 + 166.439 MeV [31.713 MeV] (A_Mo:680)
95Mo42 + 11 D* --> 82Kr36 + 35Cl17 + 166.388 MeV [31.662 MeV] (A_Mo:681)
95Mo42 + 11 D* --> 85Rb37 + 32S16 + 164.968 MeV [30.242 MeV] (A_Mo:682)
95Mo42 + 11 D* --> 86Sr38 + 31P15 + 165.750 MeV [31.023 MeV] (A_Mo:683)
95Mo42 + 11 D* --> 89Y39 + 28Si14 + 165.980 MeV [31.253 MeV] (A_Mo:684)
95Mo42 + 11 D* --> 90Zr40 + 27Al13 + 162.749 MeV [28.023 MeV] (A_Mo:685)
95Mo42 + 11 D* --> 93Nb41 + 24Mg12 + 157.927 MeV [23.201 MeV] (A_Mo:686)
95Mo42 + 11 D* --> 94Mo42 + 23Na11 + 154.725 MeV [19.998 MeV] (A_Mo:687)
95Mo42 + 11 D* --> 98Ru44 + 19F9 + 146.497 MeV [11.771 MeV] (A_Mo:688)
95Mo42 + 11 D* --> 102Pd46 + 15N7 + 144.609 MeV [9.883 MeV] (A_Mo:689)
95Mo42 + 11 D* --> 106Cd48 + 11B5 + 135.250 MeV [00.523 MeV] (A_Mo:690)

95Mo42 + 12 D* --> 61Ni28 + 58Fe26 + 196.295 MeV [47.339 MeV] (A_Mo:691)
95Mo42 + 12 D* --> 62Ni28 + 57Fe26 + 196.847 MeV [47.891 MeV] (A_Mo:692)
95Mo42 + 12 D* --> 66Zn30 + 53Cr24 + 194.105 MeV [45.148 MeV] (A_Mo:693)
95Mo42 + 12 D* --> 67Zn30 + 52Cr24 + 193.219 MeV [44.262 MeV] (A_Mo:694)
95Mo42 + 12 D* --> 69Ga31 + 50V23 + 188.470 MeV [39.514 MeV] (A_Mo:695)
95Mo42 + 12 D* --> 70Ge32 + 49Ti22 + 189.043 MeV [40.086 MeV] (A_Mo:696)
95Mo42 + 12 D* --> 72Ge32 + 47Ti22 + 187.439 MeV [38.483 MeV] (A_Mo:697)
95Mo42 + 12 D* --> 73Ge32 + 46Ti22 + 185.342 MeV [36.385 MeV] (A_Mo:698)
95Mo42 + 12 D* --> 76Se34 + 43Ca20 + 183.582 MeV [34.625 MeV] (A_Mo:699)
95Mo42 + 12 D* --> 77Se34 + 42Ca20 + 183.068 MeV [34.111 MeV] (A_Mo:700)
95Mo42 + 12 D* --> 79Br35 + 40K19 + 179.525 MeV [30.568 MeV] (A_Mo:701)

95Mo42 + 12 D* --> 83Kr36 + 36Ar18 + 180.134 MeV [31.178 MeV] (A_Mo:702)
95Mo42 + 12 D* --> 86Sr38 + 33S16 + 181.031 MeV [32.074 MeV] (A_Mo:703)
95Mo42 + 12 D* --> 87Sr38 + 32S16 + 180.817 MeV [31.860 MeV] (A_Mo:704)
95Mo42 + 12 D* --> 90Zr40 + 29Si14 + 180.583 MeV [31.627 MeV] (A_Mo:705)
95Mo42 + 12 D* --> 91Zr40 + 28Si14 + 179.304 MeV [30.347 MeV] (A_Mo:706)
95Mo42 + 12 D* --> 94Mo42 + 25Mg12 + 171.524 MeV [22.567 MeV] (A_Mo:707)
95Mo42 + 12 D* --> 95Mo42 + 24Mg12 + 171.562 MeV [22.605 MeV] (A_Mo:708)
95Mo42 + 12 D* --> 98Ru44 + 21Ne10 + 163.877 MeV [14.921 MeV] (A_Mo:709)
95Mo42 + 12 D* --> 99Ru44 + 20Ne10 + 164.580 MeV [15.623 MeV] (A_Mo:710)
95Mo42 + 12 D* --> 102Pd46 + 17O8 + 158.655 MeV [9.698 MeV] (A_Mo:711)
95Mo42 + 12 D* --> 106Cd48 + 13C6 + 153.929 MeV [4.972 MeV] (A_Mo:712)

96Mo42 + D* --> 50V23 + 48Ca20 + 17.781 MeV [7.286 MeV] (A_Mo:713)
96Mo42 + D* --> 81Br35 + 17O8 + 3.129 MeV [-7.366 MeV] (A_Mo:714)
96Mo42 + D* --> 83Kr36 + 15N7 + 4.225 MeV [-6.269 MeV] (A_Mo:715)
96Mo42 + D* --> 84Kr36 + 14N7 + 3.913 MeV [-6.582 MeV] (A_Mo:716)
96Mo42 + D* --> 85Rb37 + 13C6 + 3.388 MeV [-7.107 MeV] (A_Mo:717)
96Mo42 + D* --> 87Sr38 + 11B5 + 00.558 MeV [-9.937 MeV] (A_Mo:718)
96Mo42 + D* --> 88Sr38 + 10B5 + 00.216 MeV [-10.278 MeV] (A_Mo:719)
96Mo42 + D* --> 89Y39 + 9Be4 + 00.699 MeV [-9.795 MeV] (A_Mo:720)
96Mo42 + D* --> 97Mo42 + 1H1 + 4.597 MeV [-5.898 MeV] (A_Mo:721)

96Mo42 + 2 D* --> 50Ti22 + 50Ti22 + 40.334 MeV [18.990 MeV] (A_Mo:722)
96Mo42 + 2 D* --> 52Cr24 + 48Ca20 + 37.112 MeV [15.768 MeV] (A_Mo:723)
96Mo42 + 2 D* --> 54Cr24 + 46Ca20 + 37.549 MeV [16.204 MeV] (A_Mo:724)
96Mo42 + 2 D* --> 64Ni28 + 36S16 + 35.244 MeV [13.900 MeV] (A_Mo:725)
96Mo42 + 2 D* --> 70Zn30 + 30Si14 + 31.479 MeV [10.134 MeV] (A_Mo:726)
96Mo42 + 2 D* --> 74Ge32 + 26Mg12 + 27.118 MeV [5.774 MeV] (A_Mo:727)
96Mo42 + 2 D* --> 76Ge32 + 24Mg12 + 24.628 MeV [3.283 MeV] (A_Mo:728)
96Mo42 + 2 D* --> 78Se34 + 22Ne10 + 22.532 MeV [1.187 MeV] (A_Mo:729)
96Mo42 + 2 D* --> 80Se34 + 20Ne10 + 22.283 MeV [00.938 MeV] (A_Mo:730)
96Mo42 + 2 D* --> 81Br35 + 19F9 + 16.943 MeV [-4.401 MeV] (A_Mo:731)
96Mo42 + 2 D* --> 82Kr36 + 18O8 + 18.852 MeV [-2.492 MeV] (A_Mo:732)
96Mo42 + 2 D* --> 83Kr36 + 17O8 + 18.271 MeV [-3.073 MeV] (A_Mo:733)
96Mo42 + 2 D* --> 84Kr36 + 16O8 + 24.649 MeV [3.305 MeV] (A_Mo:734)
96Mo42 + 2 D* --> 85Rb37 + 15N7 + 19.547 MeV [-1.798 MeV] (A_Mo:735)
96Mo42 + 2 D* --> 87Sr38 + 13C6 + 19.236 MeV [-2.108 MeV] (A_Mo:736)
96Mo42 + 2 D* --> 88Sr38 + 12C6 + 25.403 MeV [4.058 MeV] (A_Mo:737)
96Mo42 + 2 D* --> 89Y39 + 11B5 + 16.515 MeV [-4.830 MeV] (A_Mo:738)
96Mo42 + 2 D* --> 91Zr40 + 9Be4 + 14.024 MeV [-7.321 MeV] (A_Mo:739)
96Mo42 + 2 D* --> 93Nb41 + 7Li3 + 9.781 MeV [-11.563 MeV] (A_Mo:740)
96Mo42 + 2 D* --> 96Mo42 + 4He2 + 23.847 MeV [2.502 MeV] (A_Mo:741)
96Mo42 + 2 D* --> 97Mo42 + 3He2 + 10.090 MeV [-11.254 MeV] (A_Mo:742)
96Mo42 + 2 D* --> 100Ru44 + 26.700 MeV [5.356 MeV] (A_Mo:743)

96Mo42 + 3 D* --> 81Br35 + 21Ne10 + 34.323 MeV [1.778 MeV] (A_Mo:744)
96Mo42 + 3 D* --> 83Kr36 + 19F9 + 32.086 MeV [-0.460 MeV] (A_Mo:745)
96Mo42 + 3 D* --> 85Rb37 + 17O8 + 33.593 MeV [1.047 MeV] (A_Mo:746)
96Mo42 + 3 D* --> 87Sr38 + 15N7 + 35.396 MeV [2.850 MeV] (A_Mo:747)
96Mo42 + 3 D* --> 88Sr38 + 14N7 + 35.675 MeV [3.129 MeV] (A_Mo:748)
96Mo42 + 3 D* --> 89Y39 + 13C6 + 35.193 MeV [2.648 MeV] (A_Mo:749)
96Mo42 + 3 D* --> 91Zr40 + 11B5 + 29.839 MeV [-2.707 MeV] (A_Mo:750)
96Mo42 + 3 D* --> 92Zr40 + 10B5 + 27.020 MeV [-5.526 MeV] (A_Mo:751)
96Mo42 + 3 D* --> 93Nb41 + 9Be4 + 26.477 MeV [-6.068 MeV] (A_Mo:752)

96Mo42 + 3 D* --> 95Mo42 + 7Li3 + 23.416 MeV [-9.130 MeV] (A_Mo:753)
96Mo42 + 3 D* --> 96Mo42 + 6Li3 + 25.320 MeV [-7.225 MeV] (A_Mo:754)
96Mo42 + 3 D* --> 100Ru44 + 2H1 + 26.700 MeV [-5.846 MeV] (A_Mo:755)
96Mo42 + 3 D* --> 101Ru44 + 1H1 + 31.277 MeV [-1.268 MeV] (A_Mo:756)

96Mo42 + 4 D* --> 54Cr24 + 50Ti22 + 72.112 MeV [28.018 MeV] (A_Mo:757)
96Mo42 + 4 D* --> 56Fe26 + 48Ca20 + 68.572 MeV [24.478 MeV] (A_Mo:758)
96Mo42 + 4 D* --> 58Fe26 + 46Ca20 + 69.041 MeV [24.947 MeV] (A_Mo:759)
96Mo42 + 4 D* --> 64Ni28 + 40Ar18 + 65.892 MeV [21.797 MeV] (A_Mo:760)
96Mo42 + 4 D* --> 68Zn30 + 36S16 + 64.424 MeV [20.330 MeV] (A_Mo:761)
96Mo42 + 4 D* --> 70Zn30 + 34S16 + 63.249 MeV [19.155 MeV] (A_Mo:762)
96Mo42 + 4 D* --> 74Ge32 + 30Si14 + 61.608 MeV [17.514 MeV] (A_Mo:763)
96Mo42 + 4 D* --> 76Ge32 + 28Si14 + 58.458 MeV [14.364 MeV] (A_Mo:764)
96Mo42 + 4 D* --> 78Se34 + 26Mg12 + 56.993 MeV [12.899 MeV] (A_Mo:765)
96Mo42 + 4 D* --> 80Se34 + 24Mg12 + 55.446 MeV [11.352 MeV] (A_Mo:766)
96Mo42 + 4 D* --> 81Br35 + 23Na11 + 51.257 MeV [7.163 MeV] (A_Mo:767)
96Mo42 + 4 D* --> 82Kr36 + 22Ne10 + 52.367 MeV [8.273 MeV] (A_Mo:768)
96Mo42 + 4 D* --> 83Kr36 + 21Ne10 + 49.466 MeV [5.372 MeV] (A_Mo:769)
96Mo42 + 4 D* --> 84Kr36 + 20Ne10 + 53.225 MeV [9.131 MeV] (A_Mo:770)
96Mo42 + 4 D* --> 85Rb37 + 19F9 + 47.407 MeV [3.313 MeV] (A_Mo:771)
96Mo42 + 4 D* --> 86Sr38 + 18O8 + 49.057 MeV [4.963 MeV] (A_Mo:772)
96Mo42 + 4 D* --> 87Sr38 + 17O8 + 49.442 MeV [5.348 MeV] (A_Mo:773)
96Mo42 + 4 D* --> 88Sr38 + 16O8 + 56.411 MeV [12.317 MeV] (A_Mo:774)
96Mo42 + 4 D* --> 89Y39 + 15N7 + 51.353 MeV [7.259 MeV] (A_Mo:775)
96Mo42 + 4 D* --> 91Zr40 + 13C6 + 48.518 MeV [4.424 MeV] (A_Mo:776)
96Mo42 + 4 D* --> 92Zr40 + 12C6 + 52.206 MeV [8.112 MeV] (A_Mo:777)
96Mo42 + 4 D* --> 93Nb41 + 11B5 + 42.293 MeV [-1.801 MeV] (A_Mo:778)
96Mo42 + 4 D* --> 95Mo42 + 9Be4 + 40.112 MeV [-3.982 MeV] (A_Mo:779)
96Mo42 + 4 D* --> 100Ru44 + 4He2 + 50.546 MeV [6.452 MeV] (A_Mo:780)
96Mo42 + 4 D* --> 101Ru44 + 3He2 + 36.771 MeV [-7.323 MeV] (A_Mo:781)
96Mo42 + 4 D* --> 103Rh45 + 1H1 + 44.486 MeV [00.392 MeV] (A_Mo:782)
96Mo42 + 4 D* --> 104Pd46 + 53.142 MeV [9.048 MeV] (A_Mo:783)

96Mo42 + 5 D* --> 81Br35 + 25Mg12 + 68.056 MeV [12.070 MeV] (A_Mo:784)
96Mo42 + 5 D* --> 83Kr36 + 23Na11 + 66.400 MeV [10.414 MeV] (A_Mo:785)
96Mo42 + 5 D* --> 85Rb37 + 21Ne10 + 64.787 MeV [8.801 MeV] (A_Mo:786)
96Mo42 + 5 D* --> 87Sr38 + 19F9 + 63.256 MeV [7.270 MeV] (A_Mo:787)
96Mo42 + 5 D* --> 89Y39 + 17O8 + 65.399 MeV [9.413 MeV] (A_Mo:788)
96Mo42 + 5 D* --> 91Zr40 + 15N7 + 64.677 MeV [8.691 MeV] (A_Mo:789)
96Mo42 + 5 D* --> 92Zr40 + 14N7 + 62.479 MeV [6.493 MeV] (A_Mo:790)
96Mo42 + 5 D* --> 93Nb41 + 13C6 + 60.971 MeV [4.986 MeV] (A_Mo:791)
96Mo42 + 5 D* --> 95Mo42 + 11B5 + 55.928 MeV [-0.058 MeV] (A_Mo:792)
96Mo42 + 5 D* --> 96Mo42 + 10B5 + 53.628 MeV [-2.358 MeV] (A_Mo:793)
96Mo42 + 5 D* --> 99Ru44 + 7Li3 + 49.597 MeV [-6.389 MeV] (A_Mo:794)
96Mo42 + 5 D* --> 100Ru44 + 6Li3 + 52.020 MeV [-3.966 MeV] (A_Mo:795)
96Mo42 + 5 D* --> 103Rh45 + 3He2 + 49.979 MeV [-6.007 MeV] (A_Mo:796)
96Mo42 + 5 D* --> 104Pd46 + 2H1 + 53.142 MeV [-2.843 MeV] (A_Mo:797)
96Mo42 + 5 D* --> 105Pd46 + 1H1 + 58.012 MeV [2.026 MeV] (A_Mo:798)

96Mo42 + 6 D* --> 54Cr24 + 54Cr24 + 103.889 MeV [35.672 MeV] (A_Mo:799)
96Mo42 + 6 D* --> 58Fe26 + 50Ti22 + 103.604 MeV [35.387 MeV] (A_Mo:800)
96Mo42 + 6 D* --> 60Ni28 + 48Ca20 + 98.710 MeV [30.493 MeV] (A_Mo:801)
96Mo42 + 6 D* --> 62Ni28 + 46Ca20 + 99.905 MeV [31.688 MeV] (A_Mo:802)
96Mo42 + 6 D* --> 64Ni28 + 44Ca20 + 98.592 MeV [30.374 MeV] (A_Mo:803)

96Mo42 + 6 D* --> 68Zn30 + 40Ar18 + 95.071 MeV [26.854 MeV] (A_Mo:804)
96Mo42 + 6 D* --> 70Zn30 + 38Ar18 + 94.303 MeV [26.086 MeV] (A_Mo:805)
96Mo42 + 6 D* --> 71Ga31 + 37Cl17 + 91.926 MeV [23.708 MeV] (A_Mo:806)
96Mo42 + 6 D* --> 72Ge32 + 36S16 + 93.274 MeV [25.057 MeV] (A_Mo:807)
96Mo42 + 6 D* --> 74Ge32 + 34S16 + 93.378 MeV [25.161 MeV] (A_Mo:808)
96Mo42 + 6 D* --> 76Ge32 + 32S16 + 89.253 MeV [21.035 MeV] (A_Mo:809)
96Mo42 + 6 D* --> 78Se34 + 30Si14 + 91.483 MeV [23.266 MeV] (A_Mo:810)
96Mo42 + 6 D* --> 80Se34 + 28Si14 + 89.277 MeV [21.059 MeV] (A_Mo:811)
96Mo42 + 6 D* --> 81Br35 + 27Al13 + 85.195 MeV [16.978 MeV] (A_Mo:812)
96Mo42 + 6 D* --> 82Kr36 + 26Mg12 + 86.828 MeV [18.611 MeV] (A_Mo:813)
96Mo42 + 6 D* --> 83Kr36 + 25Mg12 + 83.198 MeV [14.981 MeV] (A_Mo:814)
96Mo42 + 6 D* --> 84Kr36 + 24Mg12 + 86.388 MeV [18.171 MeV] (A_Mo:815)
96Mo42 + 6 D* --> 85Rb37 + 23Na11 + 81.721 MeV [13.504 MeV] (A_Mo:816)
96Mo42 + 6 D* --> 86Sr38 + 22Ne10 + 82.572 MeV [14.355 MeV] (A_Mo:817)
96Mo42 + 6 D* --> 87Sr38 + 21Ne10 + 80.636 MeV [12.419 MeV] (A_Mo:818)
96Mo42 + 6 D* --> 88Sr38 + 20Ne10 + 84.988 MeV [16.770 MeV] (A_Mo:819)
96Mo42 + 6 D* --> 89Y39 + 19F9 + 79.213 MeV [10.996 MeV] (A_Mo:820)
96Mo42 + 6 D* --> 90Zr40 + 18O8 + 79.573 MeV [11.355 MeV] (A_Mo:821)
96Mo42 + 6 D* --> 91Zr40 + 17O8 + 78.723 MeV [10.506 MeV] (A_Mo:822)
96Mo42 + 6 D* --> 92Zr40 + 16O8 + 83.215 MeV [14.998 MeV] (A_Mo:823)
96Mo42 + 6 D* --> 93Nb41 + 15N7 + 77.131 MeV [8.914 MeV] (A_Mo:824)
96Mo42 + 6 D* --> 95Mo42 + 13C6 + 74.606 MeV [6.389 MeV] (A_Mo:825)
96Mo42 + 6 D* --> 96Mo42 + 12C6 + 78.814 MeV [10.597 MeV] (A_Mo:826)
96Mo42 + 6 D* --> 99Ru44 + 9Be4 + 66.293 MeV [-1.924 MeV] (A_Mo:827)
96Mo42 + 6 D* --> 104Pd46 + 4He2 + 76.989 MeV [8.772 MeV] (A_Mo:828)
96Mo42 + 6 D* --> 105Pd46 + 3He2 + 63.505 MeV [-4.712 MeV] (A_Mo:829)
96Mo42 + 6 D* --> 107Ag47 + 1H1 + 71.137 MeV [2.919 MeV] (A_Mo:830)
96Mo42 + 6 D* --> 108Cd48 + 79.276 MeV [11.059 MeV] (A_Mo:831)

96Mo42 + 7 D* --> 70Zn30 + 40K19 + 106.259 MeV [25.475 MeV] (A_Mo:832)
96Mo42 + 7 D* --> 73Ge32 + 37Cl17 + 106.219 MeV [25.434 MeV] (A_Mo:833)
96Mo42 + 7 D* --> 81Br35 + 29Si14 + 103.029 MeV [22.245 MeV] (A_Mo:834)
96Mo42 + 7 D* --> 83Kr36 + 27Al13 + 100.338 MeV [19.554 MeV] (A_Mo:835)
96Mo42 + 7 D* --> 85Rb37 + 25Mg12 + 98.520 MeV [17.735 MeV] (A_Mo:836)
96Mo42 + 7 D* --> 87Sr38 + 23Na11 + 97.570 MeV [16.785 MeV] (A_Mo:837)
96Mo42 + 7 D* --> 89Y39 + 21Ne10 + 96.593 MeV [15.809 MeV] (A_Mo:838)
96Mo42 + 7 D* --> 91Zr40 + 19F9 + 92.537 MeV [11.753 MeV] (A_Mo:839)
96Mo42 + 7 D* --> 93Nb41 + 17O8 + 91.177 MeV [10.392 MeV] (A_Mo:840)
96Mo42 + 7 D* --> 95Mo42 + 15N7 + 90.766 MeV [9.981 MeV] (A_Mo:841)
96Mo42 + 7 D* --> 96Mo42 + 14N7 + 89.087 MeV [8.302 MeV] (A_Mo:842)
96Mo42 + 7 D* --> 99Ru44 + 11B5 + 82.109 MeV [1.324 MeV] (A_Mo:843)
96Mo42 + 7 D* --> 100Ru44 + 10B5 + 80.328 MeV [-0.457 MeV] (A_Mo:844)
96Mo42 + 7 D* --> 104Pd46 + 6Li3 + 78.463 MeV [-2.322 MeV] (A_Mo:845)
96Mo42 + 7 D* --> 107Ag47 + 3He2 + 76.630 MeV [-4.154 MeV] (A_Mo:846)
96Mo42 + 7 D* --> 108Cd48 + 2H1 + 79.276 MeV [-1.508 MeV] (A_Mo:847)

96Mo42 + 8 D* --> 58Fe26 + 54Cr24 + 135.381 MeV [41.697 MeV] (A_Mo:848)
96Mo42 + 8 D* --> 62Ni28 + 50Ti22 + 134.468 MeV [40.784 MeV] (A_Mo:849)
96Mo42 + 8 D* --> 64Ni28 + 48Ti22 + 131.882 MeV [38.198 MeV] (A_Mo:850)
96Mo42 + 8 D* --> 64Zn30 + 48Ca20 + 126.513 MeV [32.829 MeV] (A_Mo:851)
96Mo42 + 8 D* --> 66Zn30 + 46Ca20 + 128.330 MeV [34.646 MeV] (A_Mo:852)
96Mo42 + 8 D* --> 68Zn30 + 44Ca20 + 127.771 MeV [34.087 MeV] (A_Mo:853)
96Mo42 + 8 D* --> 70Zn30 + 42Ca20 + 124.407 MeV [30.723 MeV] (A_Mo:854)
96Mo42 + 8 D* --> 71Ga31 + 41K19 + 121.995 MeV [28.310 MeV] (A_Mo:855)

96Mo42 + 8 D* --> 72Ge32 + 40Ar18 + 123.921 MeV [30.237 MeV] (A_Mo:856)
96Mo42 + 8 D* --> 74Ge32 + 38Ar18 + 124.432 MeV [30.748 MeV] (A_Mo:857)
96Mo42 + 8 D* --> 76Ge32 + 36Ar18 + 119.740 MeV [26.056 MeV] (A_Mo:858)
96Mo42 + 8 D* --> 75As33 + 37Cl17 + 121.089 MeV [27.405 MeV] (A_Mo:859)
96Mo42 + 8 D* --> 76Se34 + 36S16 + 122.211 MeV [28.527 MeV] (A_Mo:860)
96Mo42 + 8 D* --> 78Se34 + 34S16 + 123.253 MeV [29.569 MeV] (A_Mo:861)
96Mo42 + 8 D* --> 80Se34 + 32S16 + 120.071 MeV [26.387 MeV] (A_Mo:862)
96Mo42 + 8 D* --> 81Br35 + 31P15 + 118.711 MeV [25.027 MeV] (A_Mo:863)
96Mo42 + 8 D* --> 82Kr36 + 30Si14 + 121.318 MeV [27.634 MeV] (A_Mo:864)
96Mo42 + 8 D* --> 83Kr36 + 29Si14 + 118.172 MeV [24.488 MeV] (A_Mo:865)
96Mo42 + 8 D* --> 84Kr36 + 28Si14 + 120.219 MeV [26.535 MeV] (A_Mo:866)
96Mo42 + 8 D* --> 85Rb37 + 27Al13 + 115.659 MeV [21.975 MeV] (A_Mo:867)
96Mo42 + 8 D* --> 86Sr38 + 26Mg12 + 117.033 MeV [23.349 MeV] (A_Mo:868)
96Mo42 + 8 D* --> 87Sr38 + 25Mg12 + 114.369 MeV [20.684 MeV] (A_Mo:869)
96Mo42 + 8 D* --> 88Sr38 + 24Mg12 + 118.151 MeV [24.466 MeV] (A_Mo:870)
96Mo42 + 8 D* --> 89Y39 + 23Na11 + 113.527 MeV [19.843 MeV] (A_Mo:871)
96Mo42 + 8 D* --> 90Zr40 + 22Ne10 + 113.087 MeV [19.403 MeV] (A_Mo:872)
96Mo42 + 8 D* --> 91Zr40 + 21Ne10 + 109.917 MeV [16.233 MeV] (A_Mo:873)
96Mo42 + 8 D* --> 92Zr40 + 20Ne10 + 111.791 MeV [18.107 MeV] (A_Mo:874)
96Mo42 + 8 D* --> 93Nb41 + 19F9 + 104.991 MeV [11.307 MeV] (A_Mo:875)
96Mo42 + 8 D* --> 94Mo42 + 18O8 + 105.487 MeV [11.802 MeV] (A_Mo:876)
96Mo42 + 8 D* --> 95Mo42 + 17O8 + 104.812 MeV [11.127 MeV] (A_Mo:877)
96Mo42 + 8 D* --> 96Mo42 + 16O8 + 109.823 MeV [16.139 MeV] (A_Mo:878)
96Mo42 + 8 D* --> 99Ru44 + 13C6 + 100.787 MeV [7.103 MeV] (A_Mo:879)
96Mo42 + 8 D* --> 100Ru44 + 12C6 + 105.514 MeV [11.830 MeV] (A_Mo:880)
96Mo42 + 8 D* --> 108Cd48 + 4He2 + 103.123 MeV [9.439 MeV] (A_Mo:881)
96Mo42 + 8 D* --> 112Sn50 + 104.957 MeV [11.272 MeV] (A_Mo:882)

96Mo42 + 9 D* --> 64Ni28 + 50V23 + 145.752 MeV [38.839 MeV] (A_Mo:883)
96Mo42 + 9 D* --> 65Cu29 + 49Ti22 + 145.253 MeV [38.341 MeV] (A_Mo:884)
96Mo42 + 9 D* --> 71Ga31 + 43Ca20 + 137.980 MeV [31.067 MeV] (A_Mo:885)
96Mo42 + 9 D* --> 73Ge32 + 41K19 + 136.288 MeV [29.375 MeV] (A_Mo:886)
96Mo42 + 9 D* --> 74Ge32 + 40K19 + 136.389 MeV [29.476 MeV] (A_Mo:887)
96Mo42 + 9 D* --> 77Se34 + 37Cl17 + 135.792 MeV [28.879 MeV] (A_Mo:888)
96Mo42 + 9 D* --> 81Br35 + 33S16 + 133.992 MeV [27.079 MeV] (A_Mo:889)
96Mo42 + 9 D* --> 83Kr36 + 31P15 + 133.854 MeV [26.941 MeV] (A_Mo:890)
96Mo42 + 9 D* --> 85Rb37 + 29Si14 + 133.493 MeV [26.580 MeV] (A_Mo:891)
96Mo42 + 9 D* --> 87Sr38 + 27Al13 + 131.508 MeV [24.595 MeV] (A_Mo:892)
96Mo42 + 9 D* --> 89Y39 + 25Mg12 + 130.326 MeV [23.413 MeV] (A_Mo:893)
96Mo42 + 9 D* --> 91Zr40 + 23Na11 + 126.851 MeV [19.938 MeV] (A_Mo:894)
96Mo42 + 9 D* --> 93Nb41 + 21Ne10 + 122.371 MeV [15.458 MeV] (A_Mo:895)
96Mo42 + 9 D* --> 95Mo42 + 19F9 + 118.626 MeV [11.713 MeV] (A_Mo:896)
96Mo42 + 9 D* --> 99Ru44 + 15N7 + 116.947 MeV [10.034 MeV] (A_Mo:897)
96Mo42 + 9 D* --> 100Ru44 + 14N7 + 115.787 MeV [8.874 MeV] (A_Mo:898)
96Mo42 + 9 D* --> 104Pd46 + 10B5 + 106.770 MeV [-0.143 MeV] (A_Mo:899)
96Mo42 + 9 D* --> 108Cd48 + 6Li3 + 104.597 MeV [-2.316 MeV] (A_Mo:900)
96Mo42 + 9 D* --> 112Sn50 + 2H1 + 104.957 MeV [-1.956 MeV] (A_Mo:901)

96Mo42 + 10 D* --> 58Fe26 + 58Fe26 + 166.874 MeV [46.406 MeV] (A_Mo:902)
96Mo42 + 10 D* --> 62Ni28 + 54Cr24 + 166.245 MeV [45.778 MeV] (A_Mo:903)
96Mo42 + 10 D* --> 64Ni28 + 52Cr24 + 165.083 MeV [44.615 MeV] (A_Mo:904)
96Mo42 + 10 D* --> 65Cu29 + 51V23 + 162.032 MeV [41.564 MeV] (A_Mo:905)
96Mo42 + 10 D* --> 66Zn30 + 50Ti22 + 162.893 MeV [42.425 MeV] (A_Mo:906)
96Mo42 + 10 D* --> 67Zn30 + 49Ti22 + 159.006 MeV [38.538 MeV] (A_Mo:907)

96Mo42 + 10 D* --> 68Zn30 + 48Ti22 + 161.062 MeV [40.594 MeV] (A_Mo:908)
96Mo42 + 10 D* --> 70Zn30 + 46Ti22 + 156.255 MeV [35.787 MeV] (A_Mo:909)
96Mo42 + 10 D* --> 71Ga31 + 45Sc21 + 153.775 MeV [33.307 MeV] (A_Mo:910)
96Mo42 + 10 D* --> 70Ge32 + 46Ca20 + 156.265 MeV [35.797 MeV] (A_Mo:911)
96Mo42 + 10 D* --> 72Ge32 + 44Ca20 + 156.621 MeV [36.154 MeV] (A_Mo:912)
96Mo42 + 10 D* --> 73Ge32 + 43Ca20 + 152.273 MeV [31.805 MeV] (A_Mo:913)
96Mo42 + 10 D* --> 74Ge32 + 42Ca20 + 154.536 MeV [34.069 MeV] (A_Mo:914)
96Mo42 + 10 D* --> 76Ge32 + 40Ca20 + 150.626 MeV [30.159 MeV] (A_Mo:915)
96Mo42 + 10 D* --> 75As33 + 41K19 + 151.158 MeV [30.691 MeV] (A_Mo:916)
96Mo42 + 10 D* --> 76Se34 + 40Ar18 + 152.859 MeV [32.391 MeV] (A_Mo:917)
96Mo42 + 10 D* --> 78Se34 + 38Ar18 + 154.307 MeV [33.840 MeV] (A_Mo:918)
96Mo42 + 10 D* --> 80Se34 + 36Ar18 + 150.558 MeV [30.091 MeV] (A_Mo:919)
96Mo42 + 10 D* --> 79Br35 + 37Cl17 + 150.397 MeV [29.929 MeV] (A_Mo:920)
96Mo42 + 10 D* --> 81Br35 + 35Cl17 + 149.555 MeV [29.088 MeV] (A_Mo:921)
96Mo42 + 10 D* --> 80Kr36 + 36S16 + 151.123 MeV [30.656 MeV] (A_Mo:922)
96Mo42 + 10 D* --> 82Kr36 + 34S16 + 153.088 MeV [32.620 MeV] (A_Mo:923)
96Mo42 + 10 D* --> 83Kr36 + 33S16 + 149.134 MeV [28.667 MeV] (A_Mo:924)
96Mo42 + 10 D* --> 84Kr36 + 32S16 + 151.013 MeV [30.546 MeV] (A_Mo:925)
96Mo42 + 10 D* --> 85Rb37 + 31P15 + 149.175 MeV [28.707 MeV] (A_Mo:926)
96Mo42 + 10 D* --> 86Sr38 + 30Si14 + 151.523 MeV [31.056 MeV] (A_Mo:927)
96Mo42 + 10 D* --> 87Sr38 + 29Si14 + 149.342 MeV [28.875 MeV] (A_Mo:928)
96Mo42 + 10 D* --> 88Sr38 + 28Si14 + 151.981 MeV [31.514 MeV] (A_Mo:929)
96Mo42 + 10 D* --> 89Y39 + 27Al13 + 147.465 MeV [26.998 MeV] (A_Mo:930)
96Mo42 + 10 D* --> 90Zr40 + 26Mg12 + 147.549 MeV [27.081 MeV] (A_Mo:931)
96Mo42 + 10 D* --> 91Zr40 + 25Mg12 + 143.650 MeV [23.182 MeV] (A_Mo:932)
96Mo42 + 10 D* --> 92Zr40 + 24Mg12 + 144.954 MeV [24.487 MeV] (A_Mo:933)
96Mo42 + 10 D* --> 93Nb41 + 23Na11 + 139.305 MeV [18.837 MeV] (A_Mo:934)
96Mo42 + 10 D* --> 94Mo42 + 22Ne10 + 139.001 MeV [18.534 MeV] (A_Mo:935)
96Mo42 + 10 D* --> 95Mo42 + 21Ne10 + 136.006 MeV [15.538 MeV] (A_Mo:936)
96Mo42 + 10 D* --> 96Mo42 + 20Ne10 + 138.399 MeV [17.932 MeV] (A_Mo:937)
96Mo42 + 10 D* --> 98Ru44 + 18O8 + 131.573 MeV [11.105 MeV] (A_Mo:938)
96Mo42 + 10 D* --> 99Ru44 + 17O8 + 130.993 MeV [10.525 MeV] (A_Mo:939)
96Mo42 + 10 D* --> 100Ru44 + 16O8 + 136.523 MeV [16.055 MeV] (A_Mo:940)
96Mo42 + 10 D* --> 104Pd46 + 12C6 + 131.957 MeV [11.489 MeV] (A_Mo:941)
96Mo42 + 10 D* --> 112Sn50 + 4He2 + 128.803 MeV [8.336 MeV] (A_Mo:942)

96Mo42 + 11 D* --> 65Cu29 + 53Cr24 + 178.251 MeV [43.906 MeV] (A_Mo:943)
96Mo42 + 11 D* --> 67Zn30 + 51V23 + 175.784 MeV [41.439 MeV] (A_Mo:944)
96Mo42 + 11 D* --> 68Zn30 + 50V23 + 174.931 MeV [40.586 MeV] (A_Mo:945)
96Mo42 + 11 D* --> 69Ga31 + 49Ti22 + 173.589 MeV [39.244 MeV] (A_Mo:946)
96Mo42 + 11 D* --> 71Ga31 + 47Ti22 + 170.775 MeV [36.430 MeV] (A_Mo:947)
96Mo42 + 11 D* --> 73Ge32 + 45Sc21 + 168.068 MeV [33.723 MeV] (A_Mo:948)
96Mo42 + 11 D* --> 75As33 + 43Ca20 + 167.143 MeV [32.799 MeV] (A_Mo:949)
96Mo42 + 11 D* --> 77Se34 + 41K19 + 165.861 MeV [31.516 MeV] (A_Mo:950)
96Mo42 + 11 D* --> 78Se34 + 40K19 + 166.264 MeV [31.919 MeV] (A_Mo:951)
96Mo42 + 11 D* --> 83Kr36 + 35Cl17 + 164.698 MeV [30.353 MeV] (A_Mo:952)
96Mo42 + 11 D* --> 85Rb37 + 33S16 + 164.456 MeV [30.111 MeV] (A_Mo:953)
96Mo42 + 11 D* --> 87Sr38 + 31P15 + 165.024 MeV [30.679 MeV] (A_Mo:954)
96Mo42 + 11 D* --> 89Y39 + 29Si14 + 165.299 MeV [30.954 MeV] (A_Mo:955)
96Mo42 + 11 D* --> 91Zr40 + 27Al13 + 160.790 MeV [26.445 MeV] (A_Mo:956)
96Mo42 + 11 D* --> 93Nb41 + 25Mg12 + 156.104 MeV [21.759 MeV] (A_Mo:957)
96Mo42 + 11 D* --> 95Mo42 + 23Na11 + 152.940 MeV [18.595 MeV] (A_Mo:958)
96Mo42 + 11 D* --> 99Ru44 + 19F9 + 144.807 MeV [10.462 MeV] (A_Mo:959)
96Mo42 + 11 D* --> 104Pd46 + 14N7 + 142.229 MeV [7.884 MeV] (A_Mo:960)

96Mo42 + 11 D* --> 108Cd48 + 10B5 + 132.904 MeV [-1.441 MeV] (A_Mo:961)
96Mo42 + 11 D* --> 112Sn50 + 6Li3 + 130.277 MeV [-4.068 MeV] (A_Mo:962)

96Mo42 + 12 D* --> 62Ni28 + 58Fe26 + 197.738 MeV [49.196 MeV] (A_Mo:963)
96Mo42 + 12 D* --> 64Ni28 + 56Fe26 + 196.543 MeV [48.001 MeV] (A_Mo:964)
96Mo42 + 12 D* --> 65Cu29 + 55Mn25 + 193.812 MeV [45.270 MeV] (A_Mo:965)
96Mo42 + 12 D* --> 66Zn30 + 54Cr24 + 194.670 MeV [46.128 MeV] (A_Mo:966)
96Mo42 + 12 D* --> 67Zn30 + 53Cr24 + 192.003 MeV [43.461 MeV] (A_Mo:967)
96Mo42 + 12 D* --> 68Zn30 + 52Cr24 + 194.262 MeV [45.720 MeV] (A_Mo:968)
96Mo42 + 12 D* --> 70Zn30 + 50Cr24 + 188.662 MeV [40.120 MeV] (A_Mo:969)
96Mo42 + 12 D* --> 69Ga31 + 51V23 + 190.367 MeV [41.825 MeV] (A_Mo:970)
96Mo42 + 12 D* --> 70Ge32 + 50Ti22 + 190.828 MeV [42.286 MeV] (A_Mo:971)
96Mo42 + 12 D* --> 72Ge32 + 48Ti22 + 189.912 MeV [41.370 MeV] (A_Mo:972)
96Mo42 + 12 D* --> 73Ge32 + 47Ti22 + 185.068 MeV [36.526 MeV] (A_Mo:973)
96Mo42 + 12 D* --> 74Ge32 + 46Ti22 + 186.384 MeV [37.842 MeV] (A_Mo:974)
96Mo42 + 12 D* --> 75As33 + 45Sc21 + 182.938 MeV [34.396 MeV] (A_Mo:975)
96Mo42 + 12 D* --> 74Se34 + 46Ca20 + 184.186 MeV [35.644 MeV] (A_Mo:976)
96Mo42 + 12 D* --> 76Se34 + 44Ca20 + 185.559 MeV [37.017 MeV] (A_Mo:977)
96Mo42 + 12 D* --> 77Se34 + 43Ca20 + 181.846 MeV [33.304 MeV] (A_Mo:978)
96Mo42 + 12 D* --> 78Se34 + 42Ca20 + 184.411 MeV [35.869 MeV] (A_Mo:979)
96Mo42 + 12 D* --> 80Se34 + 40Ca20 + 181.444 MeV [32.902 MeV] (A_Mo:980)
96Mo42 + 12 D* --> 79Br35 + 41K19 + 180.466 MeV [31.924 MeV] (A_Mo:981)
96Mo42 + 12 D* --> 81Br35 + 39K19 + 180.620 MeV [32.078 MeV] (A_Mo:982)
96Mo42 + 12 D* --> 80Kr36 + 40Ar18 + 181.771 MeV [33.229 MeV] (A_Mo:983)
96Mo42 + 12 D* --> 82Kr36 + 38Ar18 + 184.142 MeV [35.600 MeV] (A_Mo:984)
96Mo42 + 12 D* --> 84Kr36 + 36Ar18 + 181.501 MeV [32.959 MeV] (A_Mo:985)
96Mo42 + 12 D* --> 85Rb37 + 35Cl17 + 180.019 MeV [31.477 MeV] (A_Mo:986)
96Mo42 + 12 D* --> 84Sr38 + 36S16 + 180.146 MeV [31.604 MeV] (A_Mo:987)
96Mo42 + 12 D* --> 86Sr38 + 34S16 + 183.294 MeV [34.752 MeV] (A_Mo:988)
96Mo42 + 12 D* --> 87Sr38 + 33S16 + 180.305 MeV [31.763 MeV] (A_Mo:989)
96Mo42 + 12 D* --> 88Sr38 + 32S16 + 182.776 MeV [34.234 MeV] (A_Mo:990)
96Mo42 + 12 D* --> 89Y39 + 31P15 + 180.981 MeV [32.439 MeV] (A_Mo:991)
96Mo42 + 12 D* --> 90Zr40 + 30Si14 + 182.038 MeV [33.496 MeV] (A_Mo:992)
96Mo42 + 12 D* --> 91Zr40 + 29Si14 + 178.624 MeV [30.082 MeV] (A_Mo:993)
96Mo42 + 12 D* --> 92Zr40 + 28Si14 + 178.785 MeV [30.243 MeV] (A_Mo:994)
96Mo42 + 12 D* --> 93Nb41 + 27Al13 + 173.243 MeV [24.701 MeV] (A_Mo:995)
96Mo42 + 12 D* --> 94Mo42 + 26Mg12 + 173.462 MeV [24.920 MeV] (A_Mo:996)
96Mo42 + 12 D* --> 95Mo42 + 25Mg12 + 169.738 MeV [21.197 MeV] (A_Mo:997)
96Mo42 + 12 D* --> 96Mo42 + 24Mg12 + 171.562 MeV [23.020 MeV] (A_Mo:998)
96Mo42 + 12 D* --> 98Ru44 + 22Ne10 + 165.087 MeV [16.545 MeV] (A_Mo:999)
96Mo42 + 12 D* --> 99Ru44 + 21Ne10 + 162.187 MeV [13.645 MeV]
(A_Mo:1000)
96Mo42 + 12 D* --> 100Ru44 + 20Ne10 + 165.099 MeV [16.557 MeV]
(A_Mo:1001)
96Mo42 + 12 D* --> 102Pd46 + 18O8 + 157.545 MeV [9.003 MeV]
(A_Mo:1002)
96Mo42 + 12 D* --> 104Pd46 + 16O8 + 162.965 MeV [14.423 MeV]
(A_Mo:1003)
96Mo42 + 12 D* --> 108Cd48 + 12C6 + 158.090 MeV [9.549 MeV]
(A_Mo:1004)

97Mo42 + D* --> 51V23 + 48Ca20 + 22.011 MeV [11.552 MeV]
(A_Mo:1005)
97Mo42 + D* --> 76Ge32 + 23Na11 + 8.338 MeV [-2.121 MeV]

(A_Mo:1006)
97Mo42 + D* --> 80Se34 + 19F9 + 4.843 MeV [-5.616 MeV]
(A_Mo:1007)
97Mo42 + D* --> 81Br35 + 18O8 + 4.352 MeV [-6.107 MeV]
(A_Mo:1008)
97Mo42 + D* --> 84Kr36 + 15N7 + 7.925 MeV [-2.534 MeV]
(A_Mo:1009)
97Mo42 + D* --> 87Rb37 + 12C6 + 10.193 MeV [-0.266 MeV]
(A_Mo:1010)
97Mo42 + D* --> 88Sr38 + 11B5 + 4.849 MeV [-5.610 MeV]
(A_Mo:1011)
97Mo42 + D* --> 98Mo42 + 1H1 + 6.418 MeV [-4.041 MeV]
(A_Mo:1012)

97Mo42 + 2 D* --> 53Cr24 + 48Ca20 + 38.230 MeV [16.956 MeV]
(A_Mo:1013)
97Mo42 + 2 D* --> 76Ge32 + 25Mg12 + 25.137 MeV [3.863 MeV]
(A_Mo:1014)
97Mo42 + 2 D* --> 80Se34 + 21Ne10 + 22.223 MeV [00.949 MeV]
(A_Mo:1015)
97Mo42 + 2 D* --> 83Kr36 + 18O8 + 19.494 MeV [-1.780 MeV]
(A_Mo:1016)
97Mo42 + 2 D* --> 84Kr36 + 17O8 + 21.971 MeV [00.697 MeV]
(A_Mo:1017)
97Mo42 + 2 D* --> 87Rb37 + 14N7 + 20.465 MeV [-0.808 MeV]
(A_Mo:1018)
97Mo42 + 2 D* --> 88Sr38 + 13C6 + 23.528 MeV [2.254 MeV]
(A_Mo:1019)
97Mo42 + 2 D* --> 92Zr40 + 9Be4 + 15.837 MeV [-5.437 MeV]
(A_Mo:1020)
97Mo42 + 2 D* --> 97Mo42 + 4He2 + 23.847 MeV [2.573 MeV]
(A_Mo:1021)
97Mo42 + 2 D* --> 98Mo42 + 3He2 + 11.912 MeV [-9.362 MeV]
(A_Mo:1022)
97Mo42 + 2 D* --> 101Ru44 + 26.681 MeV [5.407 MeV]
(A_Mo:1023)

97Mo42 + 3 D* --> 55Mn25 + 48Ca20 + 53.791 MeV [21.351 MeV]
(A_Mo:1024)
97Mo42 + 3 D* --> 76Ge32 + 27Al13 + 42.276 MeV [9.836 MeV]
(A_Mo:1025)
97Mo42 + 3 D* --> 80Se34 + 23Na11 + 39.157 MeV [6.717 MeV]
(A_Mo:1026)
97Mo42 + 3 D* --> 81Br35 + 22Ne10 + 37.866 MeV [5.426 MeV]
(A_Mo:1027)
97Mo42 + 3 D* --> 84Kr36 + 19F9 + 35.785 MeV [3.345 MeV]
(A_Mo:1028)
97Mo42 + 3 D* --> 85Rb37 + 18O8 + 34.816 MeV [2.376 MeV]
(A_Mo:1029)
97Mo42 + 3 D* --> 87Rb37 + 16O8 + 41.202 MeV [8.762 MeV]
(A_Mo:1030)
97Mo42 + 3 D* --> 88Sr38 + 15N7 + 39.687 MeV [7.247 MeV]
(A_Mo:1031)
97Mo42 + 3 D* --> 92Zr40 + 11B5 + 31.653 MeV [-0.787 MeV]

(A_Mo:1032)
97Mo42 + 3 D* --> 96Mo42 + 7Li3 + 25.749 MeV [-6.691 MeV]
(A_Mo:1033)
97Mo42 + 3 D* --> 97Mo42 + 6Li3 + 25.320 MeV [-7.120 MeV]
(A_Mo:1034)
97Mo42 + 3 D* --> 101Ru44 + 2H1 + 26.681 MeV [-5.759 MeV]
(A_Mo:1035)
97Mo42 + 3 D* --> 102Ru44 + 1H1 + 33.676 MeV [1.236 MeV]
(A_Mo:1036)
97Mo42 + 3 D* --> 103Rh45 + 39.889 MeV [7.449 MeV]
(A_Mo:1037)

97Mo42 + 4 D* --> 57Fe26 + 48Ca20 + 69.397 MeV [25.443 MeV]
(A_Mo:1038)
97Mo42 + 4 D* --> 76Ge32 + 29Si14 + 60.111 MeV [16.157 MeV]
(A_Mo:1039)
97Mo42 + 4 D* --> 80Se34 + 25Mg12 + 55.955 MeV [12.002 MeV]
(A_Mo:1040)
97Mo42 + 4 D* --> 83Kr36 + 22Ne10 + 53.009 MeV [9.055 MeV]
(A_Mo:1041)
97Mo42 + 4 D* --> 84Kr36 + 21Ne10 + 53.165 MeV [9.212 MeV]
(A_Mo:1042)
97Mo42 + 4 D* --> 87Sr38 + 18O8 + 50.664 MeV [6.711 MeV]
(A_Mo:1043)
97Mo42 + 4 D* --> 88Sr38 + 17O8 + 53.733 MeV [9.779 MeV]
(A_Mo:1044)
97Mo42 + 4 D* --> 92Zr40 + 13C6 + 50.331 MeV [6.378 MeV]
(A_Mo:1045)
97Mo42 + 4 D* --> 96Mo42 + 9Be4 + 42.445 MeV [-1.508 MeV]
(A_Mo:1046)
97Mo42 + 4 D* --> 101Ru44 + 4He2 + 50.527 MeV [6.574 MeV]
(A_Mo:1047)
97Mo42 + 4 D* --> 102Ru44 + 3He2 + 39.169 MeV [-4.784 MeV]
(A_Mo:1048)
97Mo42 + 4 D* --> 103Rh45 + 2H1 + 39.889 MeV [-4.065 MeV]
(A_Mo:1049)
97Mo42 + 4 D* --> 105Pd46 + 53.415 MeV [9.462 MeV]
(A_Mo:1050)

97Mo42 + 5 D* --> 59Co27 + 48Ca20 + 84.581 MeV [28.770 MeV]
(A_Mo:1051)
97Mo42 + 5 D* --> 70Zn30 + 37Cl17 + 79.464 MeV [23.653 MeV]
(A_Mo:1052)
97Mo42 + 5 D* --> 71Ga31 + 36S16 + 78.942 MeV [23.132 MeV]
(A_Mo:1053)
97Mo42 + 5 D* --> 76Ge32 + 31P15 + 75.792 MeV [19.981 MeV]
(A_Mo:1054)
97Mo42 + 5 D* --> 80Se34 + 27Al13 + 73.095 MeV [17.284 MeV]
(A_Mo:1055)
97Mo42 + 5 D* --> 81Br35 + 26Mg12 + 72.328 MeV [16.517 MeV]
(A_Mo:1056)
97Mo42 + 5 D* --> 84Kr36 + 23Na11 + 70.099 MeV [14.288 MeV]
(A_Mo:1057)
97Mo42 + 5 D* --> 85Rb37 + 22Ne10 + 68.330 MeV [12.519 MeV]

(A_Mo:1058)
97Mo42 + 5 D* --> 87Rb37 + 20Ne10 + 69.778 MeV [13.967 MeV]
(A_Mo:1059)
97Mo42 + 5 D* --> 88Sr38 + 19F9 + 67.547 MeV [11.736 MeV]
(A_Mo:1060)
97Mo42 + 5 D* --> 89Y39 + 18O8 + 66.621 MeV [10.811 MeV]
(A_Mo:1061)
97Mo42 + 5 D* --> 92Zr40 + 15N7 + 66.491 MeV [10.680 MeV]
(A_Mo:1062)
97Mo42 + 5 D* --> 96Mo42 + 11B5 + 58.261 MeV [2.450 MeV]
(A_Mo:1063)
97Mo42 + 5 D* --> 97Mo42 + 10B5 + 53.628 MeV [-2.183 MeV]
(A_Mo:1064)
97Mo42 + 5 D* --> 100Ru44 + 7Li3 + 52.449 MeV [-3.362 MeV]
(A_Mo:1065)
97Mo42 + 5 D* --> 101Ru44 + 6Li3 + 52.001 MeV [-3.810 MeV]
(A_Mo:1066)
97Mo42 + 5 D* --> 103Rh45 + 4He2 + 63.735 MeV [7.925 MeV]
(A_Mo:1067)
97Mo42 + 5 D* --> 105Pd46 + 2H1 + 53.415 MeV [-2.396 MeV]
(A_Mo:1068)
97Mo42 + 5 D* --> 106Pd46 + 1H1 + 60.752 MeV [4.941 MeV]
(A_Mo:1069)
97Mo42 + 5 D* --> 107Ag47 + 66.540 MeV [10.729 MeV]
(A_Mo:1070)

97Mo42 + 6 D* --> 61Ni28 + 48Ca20 + 99.709 MeV [31.701 MeV]
(A_Mo:1071)
97Mo42 + 6 D* --> 73Ge32 + 36S16 + 93.235 MeV [25.228 MeV]
(A_Mo:1072)
97Mo42 + 6 D* --> 76Ge32 + 33S16 + 91.073 MeV [23.065 MeV]
(A_Mo:1073)
97Mo42 + 6 D* --> 80Se34 + 29Si14 + 90.929 MeV [22.921 MeV]
(A_Mo:1074)
97Mo42 + 6 D* --> 83Kr36 + 26Mg12 + 87.470 MeV [19.462 MeV]
(A_Mo:1075)
97Mo42 + 6 D* --> 84Kr36 + 25Mg12 + 86.898 MeV [18.890 MeV]
(A_Mo:1076)
97Mo42 + 6 D* --> 87Sr38 + 22Ne10 + 84.179 MeV [16.171 MeV]
(A_Mo:1077)
97Mo42 + 6 D* --> 88Sr38 + 21Ne10 + 84.927 MeV [16.919 MeV]
(A_Mo:1078)
97Mo42 + 6 D* --> 91Zr40 + 18O8 + 79.946 MeV [11.938 MeV]
(A_Mo:1079)
97Mo42 + 6 D* --> 92Zr40 + 17O8 + 80.537 MeV [12.529 MeV]
(A_Mo:1080)
97Mo42 + 6 D* --> 96Mo42 + 13C6 + 76.939 MeV [8.931 MeV]
(A_Mo:1081)
97Mo42 + 6 D* --> 97Mo42 + 12C6 + 78.814 MeV [10.806 MeV]
(A_Mo:1082)
97Mo42 + 6 D* --> 100Ru44 + 9Be4 + 69.145 MeV [1.137 MeV]
(A_Mo:1083)
97Mo42 + 6 D* --> 103Rh45 + 6Li3 + 65.209 MeV [-2.799 MeV]
(A_Mo:1084)

97Mo42 + 6 D* --> 105Pd46 + 4He2 + 77.262 MeV [9.254 MeV]
(A_Mo:1085)
97Mo42 + 6 D* --> 106Pd46 + 3He2 + 66.245 MeV [-1.763 MeV]
(A_Mo:1086)
97Mo42 + 6 D* --> 107Ag47 + 2H1 + 66.540 MeV [-1.468 MeV]
(A_Mo:1087)

97Mo42 + 7 D* --> 63Cu29 + 48Ca20 + 114.203 MeV [33.662 MeV]
(A_Mo:1088)
97Mo42 + 7 D* --> 65Cu29 + 46Ca20 + 114.808 MeV [34.267 MeV]
(A_Mo:1089)
97Mo42 + 7 D* --> 70Zn30 + 41K19 + 109.533 MeV [28.992 MeV]
(A_Mo:1090)
97Mo42 + 7 D* --> 71Ga31 + 40Ar18 + 109.590 MeV [29.049 MeV]
(A_Mo:1091)
97Mo42 + 7 D* --> 74Ge32 + 37Cl17 + 109.594 MeV [29.053 MeV]
(A_Mo:1092)
97Mo42 + 7 D* --> 76Ge32 + 35Cl17 + 106.636 MeV [26.095 MeV]
(A_Mo:1093)
97Mo42 + 7 D* --> 75As33 + 36S16 + 108.106 MeV [27.565 MeV]
(A_Mo:1094)
97Mo42 + 7 D* --> 80Se34 + 31P15 + 106.610 MeV [26.069 MeV]
(A_Mo:1095)
97Mo42 + 7 D* --> 81Br35 + 30Si14 + 106.817 MeV [26.276 MeV]
(A_Mo:1096)
97Mo42 + 7 D* --> 84Kr36 + 27Al13 + 104.037 MeV [23.496 MeV]
(A_Mo:1097)
97Mo42 + 7 D* --> 85Rb37 + 26Mg12 + 102.792 MeV [22.250 MeV]
(A_Mo:1098)
97Mo42 + 7 D* --> 87Rb37 + 24Mg12 + 102.941 MeV [22.400 MeV]
(A_Mo:1099)
97Mo42 + 7 D* --> 88Sr38 + 23Na11 + 101.861 MeV [21.320 MeV]
(A_Mo:1100)
97Mo42 + 7 D* --> 89Y39 + 22Ne10 + 100.136 MeV [19.595 MeV]
(A_Mo:1101)
97Mo42 + 7 D* --> 92Zr40 + 19F9 + 94.351 MeV [13.810 MeV]
(A_Mo:1102)
97Mo42 + 7 D* --> 93Nb41 + 18O8 + 92.399 MeV [11.858 MeV]
(A_Mo:1103)
97Mo42 + 7 D* --> 96Mo42 + 15N7 + 93.099 MeV [12.558 MeV]
(A_Mo:1104)
97Mo42 + 7 D* --> 97Mo42 + 14N7 + 89.087 MeV [8.546 MeV]
(A_Mo:1105)
97Mo42 + 7 D* --> 100Ru44 + 11B5 + 84.961 MeV [4.420 MeV]
(A_Mo:1106)
97Mo42 + 7 D* --> 101Ru44 + 10B5 + 80.309 MeV [-0.232 MeV]
(A_Mo:1107)
97Mo42 + 7 D* --> 104Pd46 + 7Li3 + 78.892 MeV [-1.650 MeV]
(A_Mo:1108)
97Mo42 + 7 D* --> 105Pd46 + 6Li3 + 78.736 MeV [-1.805 MeV]
(A_Mo:1109)
97Mo42 + 7 D* --> 107Ag47 + 4He2 + 90.386 MeV [9.845 MeV]
(A_Mo:1110)
97Mo42 + 7 D* --> 110Cd48 + 1H1 + 87.474 MeV [6.933 MeV]

(A_Mo:1111)

97Mo42 + 8 D* --> 64Ni28 + 49Ti22 + 133.203 MeV [39.796 MeV]
(A_Mo:1112)
97Mo42 + 8 D* --> 67Zn30 + 46Ca20 + 128.561 MeV [35.154 MeV]
(A_Mo:1113)
97Mo42 + 8 D* --> 70Zn30 + 43Ca20 + 125.519 MeV [32.112 MeV]
(A_Mo:1114)
97Mo42 + 8 D* --> 73Ge32 + 40Ar18 + 123.883 MeV [30.476 MeV]
(A_Mo:1115)
97Mo42 + 8 D* --> 77Se34 + 36S16 + 122.809 MeV [29.402 MeV]
(A_Mo:1116)
97Mo42 + 8 D* --> 80Se34 + 33S16 + 121.891 MeV [28.484 MeV]
(A_Mo:1117)
97Mo42 + 8 D* --> 83Kr36 + 30Si14 + 121.960 MeV [28.553 MeV]
(A_Mo:1118)
97Mo42 + 8 D* --> 84Kr36 + 29Si14 + 121.871 MeV [28.464 MeV]
(A_Mo:1119)
97Mo42 + 8 D* --> 87Sr38 + 26Mg12 + 118.640 MeV [25.233 MeV]
(A_Mo:1120)
97Mo42 + 8 D* --> 88Sr38 + 25Mg12 + 118.660 MeV [25.253 MeV]
(A_Mo:1121)
97Mo42 + 8 D* --> 91Zr40 + 22Ne10 + 113.460 MeV [20.054 MeV]
(A_Mo:1122)
97Mo42 + 8 D* --> 92Zr40 + 21Ne10 + 111.731 MeV [18.324 MeV]
(A_Mo:1123)
97Mo42 + 8 D* --> 95Mo42 + 18O8 + 106.034 MeV [12.627 MeV]
(A_Mo:1124)
97Mo42 + 8 D* --> 96Mo42 + 17O8 + 107.145 MeV [13.738 MeV]
(A_Mo:1125)
97Mo42 + 8 D* --> 97Mo42 + 16O8 + 109.823 MeV [16.416 MeV]
(A_Mo:1126)
97Mo42 + 8 D* --> 100Ru44 + 13C6 + 103.639 MeV [10.232 MeV]
(A_Mo:1127)
97Mo42 + 8 D* --> 101Ru44 + 12C6 + 105.495 MeV [12.088 MeV]
(A_Mo:1128)
97Mo42 + 8 D* --> 103Rh45 + 10B5 + 93.517 MeV [00.110 MeV]
(A_Mo:1129)
97Mo42 + 8 D* --> 104Pd46 + 9Be4 + 95.588 MeV [2.181 MeV]
(A_Mo:1130)
97Mo42 + 8 D* --> 107Ag47 + 6Li3 + 91.860 MeV [-1.547 MeV]
(A_Mo:1131)
97Mo42 + 8 D* --> 110Cd48 + 3He2 + 92.967 MeV [-0.440 MeV]
(A_Mo:1132)

97Mo42 + 9 D* --> 64Ni28 + 51V23 + 149.982 MeV [43.380 MeV]
(A_Mo:1133)
97Mo42 + 9 D* --> 65Cu29 + 50Ti22 + 149.371 MeV [42.769 MeV]
(A_Mo:1134)
97Mo42 + 9 D* --> 70Zn30 + 45Sc21 + 141.313 MeV [34.711 MeV]
(A_Mo:1135)
97Mo42 + 9 D* --> 69Ga31 + 46Ca20 + 143.144 MeV [36.542 MeV]
(A_Mo:1136)
97Mo42 + 9 D* --> 71Ga31 + 44Ca20 + 142.290 MeV [35.688 MeV]

(A_Mo:1137)
97Mo42 + 9 D* --> 74Ge32 + 41K19 + 139.663 MeV [33.060 MeV]
(A_Mo:1138)
97Mo42 + 9 D* --> 76Ge32 + 39K19 + 137.701 MeV [31.099 MeV]
(A_Mo:1139)
97Mo42 + 9 D* --> 75As33 + 40Ar18 + 138.753 MeV [32.151 MeV]
(A_Mo:1140)
97Mo42 + 9 D* --> 78Se34 + 37Cl17 + 139.469 MeV [32.867 MeV]
(A_Mo:1141)
97Mo42 + 9 D* --> 80Se34 + 35Cl17 + 137.455 MeV [30.852 MeV]
(A_Mo:1142)
97Mo42 + 9 D* --> 79Br35 + 36S16 + 137.414 MeV [30.812 MeV]
(A_Mo:1143)
97Mo42 + 9 D* --> 81Br35 + 34S16 + 138.588 MeV [31.986 MeV]
(A_Mo:1144)
97Mo42 + 9 D* --> 84Kr36 + 31P15 + 137.553 MeV [30.951 MeV]
(A_Mo:1145)
97Mo42 + 9 D* --> 85Rb37 + 30Si14 + 137.281 MeV [30.679 MeV]
(A_Mo:1146)
97Mo42 + 9 D* --> 87Rb37 + 28Si14 + 136.772 MeV [30.170 MeV]
(A_Mo:1147)
97Mo42 + 9 D* --> 88Sr38 + 27Al13 + 135.799 MeV [29.197 MeV]
(A_Mo:1148)
97Mo42 + 9 D* --> 89Y39 + 26Mg12 + 134.597 MeV [27.995 MeV]
(A_Mo:1149)
97Mo42 + 9 D* --> 92Zr40 + 23Na11 + 128.665 MeV [22.063 MeV]
(A_Mo:1150)
97Mo42 + 9 D* --> 93Nb41 + 22Ne10 + 125.914 MeV [19.312 MeV]
(A_Mo:1151)
97Mo42 + 9 D* --> 96Mo42 + 19F9 + 120.959 MeV [14.357 MeV]
(A_Mo:1152)
97Mo42 + 9 D* --> 100Ru44 + 15N7 + 119.799 MeV [13.197 MeV]
(A_Mo:1153)
97Mo42 + 9 D* --> 101Ru44 + 14N7 + 115.767 MeV [9.165 MeV]
(A_Mo:1154)
97Mo42 + 9 D* --> 103Rh45 + 12C6 + 118.703 MeV [12.101 MeV]
(A_Mo:1155)
97Mo42 + 9 D* --> 104Pd46 + 11B5 + 111.403 MeV [4.801 MeV]
(A_Mo:1156)
97Mo42 + 9 D* --> 105Pd46 + 10B5 + 107.043 MeV [00.441 MeV]
(A_Mo:1157)
97Mo42 + 9 D* --> 108Cd48 + 7Li3 + 105.025 MeV [-1.577 MeV]
(A_Mo:1158)
97Mo42 + 9 D* --> 114Sn50 + 1H1 + 113.953 MeV [7.351 MeV]
(A_Mo:1159)

97Mo42 + 10 D* --> 64Ni28 + 53Cr24 + 166.201 MeV [46.077 MeV]
(A_Mo:1160)
97Mo42 + 10 D* --> 67Zn30 + 50Ti22 + 163.124 MeV [43.001 MeV]
(A_Mo:1161)
97Mo42 + 10 D* --> 68Zn30 + 49Ti22 + 162.383 MeV [42.259 MeV]
(A_Mo:1162)
97Mo42 + 10 D* --> 70Zn30 + 47Ti22 + 158.314 MeV [38.190 MeV]
(A_Mo:1163)

97Mo42 + 10 D* --> 73Ge32 + 44Ca20 + 156.583 MeV [36.459 MeV]
(A_Mo:1164)
97Mo42 + 10 D* --> 74Ge32 + 43Ca20 + 155.648 MeV [35.525 MeV]
(A_Mo:1165)
97Mo42 + 10 D* --> 77Se34 + 40Ar18 + 153.456 MeV [33.333 MeV]
(A_Mo:1166)
97Mo42 + 10 D* --> 83Kr36 + 34S16 + 153.730 MeV [33.607 MeV]
(A_Mo:1167)
97Mo42 + 10 D* --> 84Kr36 + 33S16 + 152.834 MeV [32.710 MeV]
(A_Mo:1168)
97Mo42 + 10 D* --> 87Sr38 + 30Si14 + 153.130 MeV [33.007 MeV]
(A_Mo:1169)
97Mo42 + 10 D* --> 88Sr38 + 29Si14 + 153.634 MeV [33.510 MeV]
(A_Mo:1170)
97Mo42 + 10 D* --> 91Zr40 + 26Mg12 + 147.922 MeV [27.798 MeV]
(A_Mo:1171)
97Mo42 + 10 D* --> 92Zr40 + 25Mg12 + 145.463 MeV [25.340 MeV]
(A_Mo:1172)
97Mo42 + 10 D* --> 95Mo42 + 22Ne10 + 139.549 MeV [19.426 MeV]
(A_Mo:1173)
97Mo42 + 10 D* --> 96Mo42 + 21Ne10 + 138.339 MeV [18.216 MeV]
(A_Mo:1174)
97Mo42 + 10 D* --> 97Mo42 + 20Ne10 + 138.399 MeV [18.276 MeV]
(A_Mo:1175)
97Mo42 + 10 D* --> 99Ru44 + 18O8 + 132.215 MeV [12.092 MeV]
(A_Mo:1176)
97Mo42 + 10 D* --> 100Ru44 + 17O8 + 133.845 MeV [13.721 MeV]
(A_Mo:1177)
97Mo42 + 10 D* --> 101Ru44 + 16O8 + 136.503 MeV [16.380 MeV]
(A_Mo:1178)
97Mo42 + 10 D* --> 103Rh45 + 14N7 + 128.976 MeV [8.852 MeV]
(A_Mo:1179)
97Mo42 + 10 D* --> 104Pd46 + 13C6 + 130.082 MeV [9.958 MeV]
(A_Mo:1180)
97Mo42 + 10 D* --> 105Pd46 + 12C6 + 132.230 MeV [12.106 MeV]
(A_Mo:1181)
97Mo42 + 10 D* --> 107Ag47 + 10B5 + 120.168 MeV [00.044 MeV]
(A_Mo:1182)
97Mo42 + 10 D* --> 108Cd48 + 9Be4 + 121.721 MeV [1.598 MeV]
(A_Mo:1183)
97Mo42 + 10 D* --> 114Sn50 + 3He2 + 119.446 MeV [-0.677 MeV]
(A_Mo:1184)

97Mo42 + 11 D* --> 64Ni28 + 55Mn25 + 181.762 MeV [47.795 MeV]
(A_Mo:1185)
97Mo42 + 11 D* --> 65Cu29 + 54Cr24 + 181.149 MeV [47.181 MeV]
(A_Mo:1186)
97Mo42 + 11 D* --> 68Zn30 + 51V23 + 179.161 MeV [45.194 MeV]
(A_Mo:1187)
97Mo42 + 11 D* --> 69Ga31 + 50Ti22 + 177.707 MeV [43.739 MeV]
(A_Mo:1188)
97Mo42 + 11 D* --> 71Ga31 + 48Ti22 + 175.580 MeV [41.613 MeV]
(A_Mo:1189)
97Mo42 + 11 D* --> 74Ge32 + 45Sc21 + 171.443 MeV [37.475 MeV]

(A_Mo:1190)
 97Mo42 + 11 D* --> 75As33 + 44Ca20 + 171.453 MeV [37.486 MeV]
(A_Mo:1191)
 97Mo42 + 11 D* --> 78Se34 + 41K19 + 169.538 MeV [35.570 MeV]
(A_Mo:1192)
 97Mo42 + 11 D* --> 80Se34 + 39K19 + 168.519 MeV [34.552 MeV]
(A_Mo:1193)
 97Mo42 + 11 D* --> 79Br35 + 40Ar18 + 168.061 MeV [34.093 MeV]
(A_Mo:1194)
 97Mo42 + 11 D* --> 81Br35 + 38Ar18 + 169.642 MeV [35.674 MeV]
(A_Mo:1195)
 97Mo42 + 11 D* --> 82Kr36 + 37Cl17 + 169.304 MeV [35.336 MeV]
(A_Mo:1196)
 97Mo42 + 11 D* --> 84Kr36 + 35Cl17 + 168.397 MeV [34.430 MeV]
(A_Mo:1197)
 97Mo42 + 11 D* --> 85Rb37 + 34S16 + 169.052 MeV [35.084 MeV]
(A_Mo:1198)
 97Mo42 + 11 D* --> 87Rb37 + 32S16 + 167.566 MeV [33.598 MeV]
(A_Mo:1199)
 97Mo42 + 11 D* --> 88Sr38 + 31P15 + 169.315 MeV [35.348 MeV]
(A_Mo:1200)
 97Mo42 + 11 D* --> 89Y39 + 30Si14 + 169.087 MeV [35.120 MeV]
(A_Mo:1201)
 97Mo42 + 11 D* --> 92Zr40 + 27Al13 + 162.603 MeV [28.636 MeV]
(A_Mo:1202)
 97Mo42 + 11 D* --> 93Nb41 + 26Mg12 + 160.375 MeV [26.408 MeV]
(A_Mo:1203)
 97Mo42 + 11 D* --> 96Mo42 + 23Na11 + 155.273 MeV [21.305 MeV]
(A_Mo:1204)
 97Mo42 + 11 D* --> 100Ru44 + 19F9 + 147.659 MeV [13.691 MeV]
(A_Mo:1205)
 97Mo42 + 11 D* --> 103Rh45 + 16O8 + 149.712 MeV [15.744 MeV]
(A_Mo:1206)
 97Mo42 + 11 D* --> 104Pd46 + 15N7 + 146.241 MeV [12.274 MeV]
(A_Mo:1207)
 97Mo42 + 11 D* --> 105Pd46 + 14N7 + 142.502 MeV [8.534 MeV]
(A_Mo:1208)
 97Mo42 + 11 D* --> 107Ag47 + 12C6 + 145.354 MeV [11.387 MeV]
(A_Mo:1209)
 97Mo42 + 11 D* --> 108Cd48 + 11B5 + 137.537 MeV [3.569 MeV]
(A_Mo:1210)
 97Mo42 + 11 D* --> 112Sn50 + 7Li3 + 130.706 MeV [-3.262 MeV]
(A_Mo:1211)

 97Mo42 + 12 D* --> 64Ni28 + 57Fe26 + 197.368 MeV [49.236 MeV]
(A_Mo:1212)
 97Mo42 + 12 D* --> 67Zn30 + 54Cr24 + 194.901 MeV [46.770 MeV]
(A_Mo:1213)
 97Mo42 + 12 D* --> 68Zn30 + 53Cr24 + 195.380 MeV [47.249 MeV]
(A_Mo:1214)
 97Mo42 + 12 D* --> 71Ga31 + 50V23 + 189.450 MeV [41.318 MeV]
(A_Mo:1215)
 97Mo42 + 12 D* --> 72Ge32 + 49Ti22 + 191.233 MeV [43.101 MeV]
(A_Mo:1216)

97Mo42 + 12 D* --> 73Ge32 + 48Ti22 + 189.873 MeV [41.742 MeV]
(A_Mo:1217)
97Mo42 + 12 D* --> 74Ge32 + 47Ti22 + 188.443 MeV [40.311 MeV]
(A_Mo:1218)
97Mo42 + 12 D* --> 77Se34 + 44Ca20 + 186.156 MeV [38.025 MeV]
(A_Mo:1219)
97Mo42 + 12 D* --> 78Se34 + 43Ca20 + 185.523 MeV [37.391 MeV]
(A_Mo:1220)
97Mo42 + 12 D* --> 81Br35 + 40K19 + 181.598 MeV [33.467 MeV]
(A_Mo:1221)
97Mo42 + 12 D* --> 83Kr36 + 38Ar18 + 184.784 MeV [36.653 MeV]
(A_Mo:1222)
97Mo42 + 12 D* --> 87Sr38 + 34S16 + 184.900 MeV [36.769 MeV]
(A_Mo:1223)
97Mo42 + 12 D* --> 88Sr38 + 33S16 + 184.596 MeV [36.464 MeV]
(A_Mo:1224)
97Mo42 + 12 D* --> 91Zr40 + 30Si14 + 182.412 MeV [34.280 MeV]
(A_Mo:1225)
97Mo42 + 12 D* --> 92Zr40 + 29Si14 + 180.437 MeV [32.306 MeV]
(A_Mo:1226)
97Mo42 + 12 D* --> 95Mo42 + 26Mg12 + 174.010 MeV [25.879 MeV]
(A_Mo:1227)
97Mo42 + 12 D* --> 96Mo42 + 25Mg12 + 172.072 MeV [23.940 MeV]
(A_Mo:1228)
97Mo42 + 12 D* --> 97Mo42 + 24Mg12 + 171.562 MeV [23.431 MeV]
(A_Mo:1229)
97Mo42 + 12 D* --> 99Ru44 + 22Ne10 + 165.730 MeV [17.598 MeV]
(A_Mo:1230)
97Mo42 + 12 D* --> 100Ru44 + 21Ne10 + 165.039 MeV [16.907 MeV]
(A_Mo:1231)
97Mo42 + 12 D* --> 101Ru44 + 20Ne10 + 165.080 MeV [16.948 MeV]
(A_Mo:1232)
97Mo42 + 12 D* --> 104Pd46 + 17O8 + 160.287 MeV [12.155 MeV]
(A_Mo:1233)
97Mo42 + 12 D* --> 105Pd46 + 16O8 + 163.238 MeV [15.106 MeV]
(A_Mo:1234)
97Mo42 + 12 D* --> 107Ag47 + 14N7 + 155.627 MeV [7.495 MeV]
(A_Mo:1235)
97Mo42 + 12 D* --> 108Cd48 + 13C6 + 156.216 MeV [8.084 MeV]
(A_Mo:1236)
97Mo42 + 12 D* --> 112Sn50 + 9Be4 + 147.402 MeV [-0.730 MeV]
(A_Mo:1237)

98Mo42 + D* --> 86Kr36 + 14N7 + 5.426 MeV [-4.998 MeV]
(A_Mo:1238)
98Mo42 + D* --> 87Rb37 + 13C6 + 6.497 MeV [-3.927 MeV]
(A_Mo:1239)

98Mo42 + 2 D* --> 54Cr24 + 48Ca20 + 39.306 MeV [18.102 MeV]
(A_Mo:1240)
98Mo42 + 2 D* --> 76Ge32 + 26Mg12 + 27.587 MeV [6.383 MeV]
(A_Mo:1241)
98Mo42 + 2 D* --> 80Se34 + 22Ne10 + 23.944 MeV [2.740 MeV]
(A_Mo:1242)

98Mo42 + 2 D* --> 82Se34 + 20Ne10 + 22.796 MeV [1.592 MeV]
(A_Mo:1243)
98Mo42 + 2 D* --> 84Kr36 + 18O8 + 21.372 MeV [00.168 MeV]
(A_Mo:1244)
98Mo42 + 2 D* --> 86Kr36 + 16O8 + 26.162 MeV [4.958 MeV]
(A_Mo:1245)
98Mo42 + 2 D* --> 87Rb37 + 15N7 + 22.656 MeV [1.452 MeV]
(A_Mo:1246)
98Mo42 + 2 D* --> 98Mo42 + 4He2 + 23.847 MeV [2.643 MeV]
(A_Mo:1247)
98Mo42 + 2 D* --> 102Ru44 + 27.258 MeV [6.054 MeV]
(A_Mo:1248)

98Mo42 + 3 D* --> 87Rb37 + 17O8 + 36.702 MeV [4.366 MeV]
(A_Mo:1249)
98Mo42 + 3 D* --> 94Zr40 + 10B5 + 26.512 MeV [-5.824 MeV]
(A_Mo:1250)
98Mo42 + 3 D* --> 97Mo42 + 7Li3 + 23.928 MeV [-8.408 MeV]
(A_Mo:1251)
98Mo42 + 3 D* --> 98Mo42 + 6Li3 + 25.320 MeV [-7.015 MeV]
(A_Mo:1252)
98Mo42 + 3 D* --> 102Ru44 + 2H1 + 27.258 MeV [-5.078 MeV]
(A_Mo:1253)

98Mo42 + 4 D* --> 58Fe26 + 48Ca20 + 70.799 MeV [26.984 MeV]
(A_Mo:1254)
98Mo42 + 4 D* --> 70Zn30 + 36S16 + 64.660 MeV [20.845 MeV]
(A_Mo:1255)
98Mo42 + 4 D* --> 76Ge32 + 30Si14 + 62.077 MeV [18.262 MeV]
(A_Mo:1256)
98Mo42 + 4 D* --> 80Se34 + 26Mg12 + 58.406 MeV [14.591 MeV]
(A_Mo:1257)
98Mo42 + 4 D* --> 82Se34 + 24Mg12 + 55.959 MeV [12.144 MeV]
(A_Mo:1258)
98Mo42 + 4 D* --> 84Kr36 + 22Ne10 + 54.887 MeV [11.072 MeV]
(A_Mo:1259)
98Mo42 + 4 D* --> 86Kr36 + 20Ne10 + 54.739 MeV [10.924 MeV]
(A_Mo:1260)
98Mo42 + 4 D* --> 87Rb37 + 19F9 + 50.516 MeV [6.701 MeV]
(A_Mo:1261)
98Mo42 + 4 D* --> 88Sr38 + 18O8 + 53.134 MeV [9.319 MeV]
(A_Mo:1262)
98Mo42 + 4 D* --> 94Zr40 + 12C6 + 51.698 MeV [7.883 MeV]
(A_Mo:1263)
98Mo42 + 4 D* --> 97Mo42 + 9Be4 + 40.624 MeV [-3.191 MeV]
(A_Mo:1264)
98Mo42 + 4 D* --> 102Ru44 + 4He2 + 51.104 MeV [7.289 MeV]
(A_Mo:1265)
98Mo42 + 4 D* --> 106Pd46 + 54.334 MeV [10.519 MeV]
(A_Mo:1266)

98Mo42 + 5 D* --> 87Rb37 + 21Ne10 + 67.896 MeV [12.258 MeV]
(A_Mo:1267)
98Mo42 + 5 D* --> 94Zr40 + 14N7 + 61.970 MeV [6.332 MeV]

(A_Mo:1268)
98Mo42 + 5 D* --> 97Mo42 + 11B5 + 56.439 MeV [00.801 MeV]
(A_Mo:1269)
98Mo42 + 5 D* --> 98Mo42 + 10B5 + 53.628 MeV [-2.010 MeV]
(A_Mo:1270)
98Mo42 + 5 D* --> 101Ru44 + 7Li3 + 50.608 MeV [-5.030 MeV]
(A_Mo:1271)
98Mo42 + 5 D* --> 102Ru44 + 6Li3 + 52.578 MeV [-3.060 MeV]
(A_Mo:1272)
98Mo42 + 5 D* --> 106Pd46 + 2H1 + 54.334 MeV [-1.304 MeV]
(A_Mo:1273)

98Mo42 + 6 D* --> 62Ni28 + 48Ca20 + 101.663 MeV [33.862 MeV]
(A_Mo:1274)
98Mo42 + 6 D* --> 64Ni28 + 46Ca20 + 100.937 MeV [33.136 MeV]
(A_Mo:1275)
98Mo42 + 6 D* --> 70Zn30 + 40Ar18 + 95.307 MeV [27.506 MeV]
(A_Mo:1276)
98Mo42 + 6 D* --> 74Ge32 + 36S16 + 94.789 MeV [26.988 MeV]
(A_Mo:1277)
98Mo42 + 6 D* --> 76Ge32 + 34S16 + 93.847 MeV [26.046 MeV]
(A_Mo:1278)
98Mo42 + 6 D* --> 80Se34 + 30Si14 + 92.895 MeV [25.094 MeV]
(A_Mo:1279)
98Mo42 + 6 D* --> 82Se34 + 28Si14 + 89.789 MeV [21.988 MeV]
(A_Mo:1280)
98Mo42 + 6 D* --> 84Kr36 + 26Mg12 + 89.348 MeV [21.547 MeV]
(A_Mo:1281)
98Mo42 + 6 D* --> 86Kr36 + 24Mg12 + 87.902 MeV [20.101 MeV]
(A_Mo:1282)
98Mo42 + 6 D* --> 87Rb37 + 23Na11 + 84.830 MeV [17.029 MeV]
(A_Mo:1283)
98Mo42 + 6 D* --> 88Sr38 + 22Ne10 + 86.649 MeV [18.848 MeV]
(A_Mo:1284)
98Mo42 + 6 D* --> 92Zr40 + 18O8 + 79.938 MeV [12.137 MeV]
(A_Mo:1285)
98Mo42 + 6 D* --> 94Zr40 + 16O8 + 82.706 MeV [14.905 MeV]
(A_Mo:1286)
98Mo42 + 6 D* --> 97Mo42 + 13C6 + 75.118 MeV [7.317 MeV]
(A_Mo:1287)
98Mo42 + 6 D* --> 98Mo42 + 12C6 + 78.814 MeV [11.013 MeV]
(A_Mo:1288)
98Mo42 + 6 D* --> 101Ru44 + 9Be4 + 67.305 MeV [-0.497 MeV]
(A_Mo:1289)
98Mo42 + 6 D* --> 103Rh45 + 7Li3 + 63.817 MeV [-3.985 MeV]
(A_Mo:1290)
98Mo42 + 6 D* --> 106Pd46 + 4He2 + 78.180 MeV [10.379 MeV]
(A_Mo:1291)
98Mo42 + 6 D* --> 109Ag47 + 1H1 + 72.136 MeV [4.335 MeV]
(A_Mo:1292)
98Mo42 + 6 D* --> 110Cd48 + 81.056 MeV [13.254 MeV]
(A_Mo:1293)

98Mo42 + 7 D* --> 87Rb37 + 25Mg12 + 101.629 MeV [21.328 MeV]

(A_Mo:1294)
98Mo42 + 7 D* --> 97Mo42 + 15N7 + 91.277 MeV [10.977 MeV]
(A_Mo:1295)
98Mo42 + 7 D* --> 98Mo42 + 14N7 + 89.087 MeV [8.786 MeV]
(A_Mo:1296)
98Mo42 + 7 D* --> 101Ru44 + 11B5 + 83.120 MeV [2.819 MeV]
(A_Mo:1297)
98Mo42 + 7 D* --> 102Ru44 + 10B5 + 80.886 MeV [00.585 MeV]
(A_Mo:1298)
98Mo42 + 7 D* --> 103Rh45 + 9Be4 + 80.513 MeV [00.212 MeV]
(A_Mo:1299)
98Mo42 + 7 D* --> 105Pd46 + 7Li3 + 77.343 MeV [-2.958 MeV]
(A_Mo:1300)
98Mo42 + 7 D* --> 106Pd46 + 6Li3 + 79.654 MeV [-0.647 MeV]
(A_Mo:1301)
98Mo42 + 7 D* --> 109Ag47 + 3He2 + 77.630 MeV [-2.671 MeV]
(A_Mo:1302)
98Mo42 + 7 D* --> 110Cd48 + 2H1 + 81.056 MeV [00.755 MeV]
(A_Mo:1303)
98Mo42 + 7 D* --> 111Cd48 + 1H1 + 85.807 MeV [5.506 MeV]
(A_Mo:1304)

98Mo42 + 8 D* --> 64Ni28 + 50Ti22 + 135.500 MeV [42.367 MeV]
(A_Mo:1305)
98Mo42 + 8 D* --> 66Zn30 + 48Ca20 + 130.088 MeV [36.955 MeV]
(A_Mo:1306)
98Mo42 + 8 D* --> 68Zn30 + 46Ca20 + 130.116 MeV [36.983 MeV]
(A_Mo:1307)
98Mo42 + 8 D* --> 70Zn30 + 44Ca20 + 128.007 MeV [34.874 MeV]
(A_Mo:1308)
98Mo42 + 8 D* --> 74Ge32 + 40Ar18 + 125.436 MeV [32.303 MeV]
(A_Mo:1309)
98Mo42 + 8 D* --> 76Ge32 + 38Ar18 + 124.902 MeV [31.769 MeV]
(A_Mo:1310)
98Mo42 + 8 D* --> 78Se34 + 36S16 + 124.664 MeV [31.531 MeV]
(A_Mo:1311)
98Mo42 + 8 D* --> 80Se34 + 34S16 + 124.666 MeV [31.533 MeV]
(A_Mo:1312)
98Mo42 + 8 D* --> 82Se34 + 32S16 + 120.584 MeV [27.451 MeV]
(A_Mo:1313)
98Mo42 + 8 D* --> 84Kr36 + 30Si14 + 123.838 MeV [30.705 MeV]
(A_Mo:1314)
98Mo42 + 8 D* --> 86Kr36 + 28Si14 + 121.732 MeV [28.599 MeV]
(A_Mo:1315)
98Mo42 + 8 D* --> 87Rb37 + 27Al13 + 118.769 MeV [25.636 MeV]
(A_Mo:1316)
98Mo42 + 8 D* --> 88Sr38 + 26Mg12 + 121.110 MeV [27.977 MeV]
(A_Mo:1317)
98Mo42 + 8 D* --> 92Zr40 + 22Ne10 + 113.453 MeV [20.320 MeV]
(A_Mo:1318)
98Mo42 + 8 D* --> 94Zr40 + 20Ne10 + 111.283 MeV [18.150 MeV]
(A_Mo:1319)
98Mo42 + 8 D* --> 96Mo42 + 18O8 + 106.546 MeV [13.413 MeV]
(A_Mo:1320)

98Mo42 + 8 D* --> 97Mo42 + 17O8 + 105.323 MeV [12.190 MeV]
(A_Mo:1321)
98Mo42 + 8 D* --> 98Mo42 + 16O8 + 109.823 MeV [16.690 MeV]
(A_Mo:1322)
98Mo42 + 8 D* --> 101Ru44 + 13C6 + 101.799 MeV [8.666 MeV]
(A_Mo:1323)
98Mo42 + 8 D* --> 102Ru44 + 12C6 + 106.072 MeV [12.939 MeV]
(A_Mo:1324)
98Mo42 + 8 D* --> 103Rh45 + 11B5 + 96.328 MeV [3.195 MeV]
(A_Mo:1325)
98Mo42 + 8 D* --> 105Pd46 + 9Be4 + 94.039 MeV [00.906 MeV]
(A_Mo:1326)
98Mo42 + 8 D* --> 107Ag47 + 7Li3 + 90.468 MeV [-2.665 MeV]
(A_Mo:1327)
98Mo42 + 8 D* --> 110Cd48 + 4He2 + 104.902 MeV [11.769 MeV]
(A_Mo:1328)
98Mo42 + 8 D* --> 111Cd48 + 3He2 + 91.300 MeV [-1.833 MeV]
(A_Mo:1329)
98Mo42 + 8 D* --> 113In49 + 1H1 + 99.055 MeV [5.922 MeV]
(A_Mo:1330)
98Mo42 + 8 D* --> 114Sn50 + 107.535 MeV [14.402 MeV]
(A_Mo:1331)

98Mo42 + 9 D* --> 76Ge32 + 40K19 + 136.858 MeV [30.563 MeV]
(A_Mo:1332)
98Mo42 + 9 D* --> 87Rb37 + 29Si14 + 136.603 MeV [30.308 MeV]
(A_Mo:1333)
98Mo42 + 9 D* --> 97Mo42 + 19F9 + 119.138 MeV [12.843 MeV]
(A_Mo:1334)
98Mo42 + 9 D* --> 101Ru44 + 15N7 + 117.958 MeV [11.663 MeV]
(A_Mo:1335)
98Mo42 + 9 D* --> 102Ru44 + 14N7 + 116.344 MeV [10.050 MeV]
(A_Mo:1336)
98Mo42 + 9 D* --> 103Rh45 + 13C6 + 115.007 MeV [8.712 MeV]
(A_Mo:1337)
98Mo42 + 9 D* --> 105Pd46 + 11B5 + 109.855 MeV [3.560 MeV]
(A_Mo:1338)
98Mo42 + 9 D* --> 106Pd46 + 10B5 + 107.962 MeV [1.667 MeV]
(A_Mo:1339)
98Mo42 + 9 D* --> 107Ag47 + 9Be4 + 107.164 MeV [00.869 MeV]
(A_Mo:1340)
98Mo42 + 9 D* --> 110Cd48 + 6Li3 + 106.376 MeV [00.081 MeV]
(A_Mo:1341)
98Mo42 + 9 D* --> 113In49 + 3He2 + 104.548 MeV [-1.747 MeV]
(A_Mo:1342)
98Mo42 + 9 D* --> 114Sn50 + 2H1 + 107.535 MeV [1.240 MeV]
(A_Mo:1343)
98Mo42 + 9 D* --> 115Sn50 + 1H1 + 112.857 MeV [6.562 MeV]
(A_Mo:1344)

98Mo42 + 10 D* --> 64Ni28 + 54Cr24 + 167.277 MeV [47.494 MeV]
(A_Mo:1345)
98Mo42 + 10 D* --> 68Zn30 + 50Ti22 + 164.679 MeV [44.896 MeV]
(A_Mo:1346)

98Mo42 + 10 D* --> 70Zn30 + 48Ti22 + 161.298 MeV [41.515 MeV]
(A_Mo:1347)
98Mo42 + 10 D* --> 70Ge32 + 48Ca20 + 158.023 MeV [38.240 MeV]
(A_Mo:1348)
98Mo42 + 10 D* --> 72Ge32 + 46Ca20 + 158.966 MeV [39.183 MeV]
(A_Mo:1349)
98Mo42 + 10 D* --> 74Ge32 + 44Ca20 + 158.136 MeV [38.353 MeV]
(A_Mo:1350)
98Mo42 + 10 D* --> 76Ge32 + 42Ca20 + 155.006 MeV [35.223 MeV]
(A_Mo:1351)
98Mo42 + 10 D* --> 78Se34 + 40Ar18 + 155.311 MeV [35.528 MeV]
(A_Mo:1352)
98Mo42 + 10 D* --> 80Se34 + 38Ar18 + 155.720 MeV [35.937 MeV]
(A_Mo:1353)
98Mo42 + 10 D* --> 82Se34 + 36Ar18 + 151.071 MeV [31.288 MeV]
(A_Mo:1354)
98Mo42 + 10 D* --> 81Br35 + 37Cl17 + 152.982 MeV [33.199 MeV]
(A_Mo:1355)
98Mo42 + 10 D* --> 82Kr36 + 36S16 + 154.499 MeV [34.716 MeV]
(A_Mo:1356)
98Mo42 + 10 D* --> 84Kr36 + 34S16 + 155.608 MeV [35.825 MeV]
(A_Mo:1357)
98Mo42 + 10 D* --> 86Kr36 + 32S16 + 152.527 MeV [32.744 MeV]
(A_Mo:1358)
98Mo42 + 10 D* --> 87Rb37 + 31P15 + 152.284 MeV [32.501 MeV]
(A_Mo:1359)
98Mo42 + 10 D* --> 88Sr38 + 30Si14 + 155.600 MeV [35.817 MeV]
(A_Mo:1360)
98Mo42 + 10 D* --> 92Zr40 + 26Mg12 + 147.914 MeV [28.131 MeV]
(A_Mo:1361)
98Mo42 + 10 D* --> 94Zr40 + 24Mg12 + 144.446 MeV [24.663 MeV]
(A_Mo:1362)
98Mo42 + 10 D* --> 96Mo42 + 22Ne10 + 140.061 MeV [20.278 MeV]
(A_Mo:1363)
98Mo42 + 10 D* --> 97Mo42 + 21Ne10 + 136.518 MeV [16.735 MeV]
(A_Mo:1364)
98Mo42 + 10 D* --> 98Mo42 + 20Ne10 + 138.399 MeV [18.616 MeV]
(A_Mo:1365)
98Mo42 + 10 D* --> 100Ru44 + 18O8 + 133.246 MeV [13.463 MeV]
(A_Mo:1366)
98Mo42 + 10 D* --> 101Ru44 + 17O8 + 132.004 MeV [12.221 MeV]
(A_Mo:1367)
98Mo42 + 10 D* --> 102Ru44 + 16O8 + 137.081 MeV [17.298 MeV]
(A_Mo:1368)
98Mo42 + 10 D* --> 103Rh45 + 15N7 + 131.166 MeV [11.383 MeV]
(A_Mo:1369)
98Mo42 + 10 D* --> 105Pd46 + 13C6 + 128.533 MeV [8.750 MeV]
(A_Mo:1370)
98Mo42 + 10 D* --> 106Pd46 + 12C6 + 133.148 MeV [13.365 MeV]
(A_Mo:1371)
98Mo42 + 10 D* --> 107Ag47 + 11B5 + 122.979 MeV [3.196 MeV]
(A_Mo:1372)
98Mo42 + 10 D* --> 114Sn50 + 4He2 + 131.381 MeV [11.598 MeV]
(A_Mo:1373)

98Mo42 + 10 D* --> 115Sn50 + 3He2 + 118.350 MeV [-1.433 MeV]
(A_Mo:1374)

98Mo42 + 11 D* --> 70Zn30 + 50V23 + 175.167 MeV [41.573 MeV]
(A_Mo:1375)
98Mo42 + 11 D* --> 71Ga31 + 49Ti22 + 175.080 MeV [41.486 MeV]
(A_Mo:1376)
98Mo42 + 11 D* --> 80Se34 + 40K19 + 167.676 MeV [34.082 MeV]
(A_Mo:1377)
98Mo42 + 11 D* --> 83Kr36 + 37Cl17 + 168.124 MeV [34.530 MeV]
(A_Mo:1378)
98Mo42 + 11 D* --> 87Rb37 + 33S16 + 167.565 MeV [33.971 MeV]
(A_Mo:1379)
98Mo42 + 11 D* --> 97Mo42 + 23Na11 + 153.452 MeV [19.857 MeV]
(A_Mo:1380)
98Mo42 + 11 D* --> 101Ru44 + 19F9 + 145.818 MeV [12.224 MeV]
(A_Mo:1381)
98Mo42 + 11 D* --> 103Rh45 + 17O8 + 145.212 MeV [11.618 MeV]
(A_Mo:1382)
98Mo42 + 11 D* --> 105Pd46 + 15N7 + 144.693 MeV [11.098 MeV]
(A_Mo:1383)
98Mo42 + 11 D* --> 106Pd46 + 14N7 + 143.420 MeV [9.826 MeV]
(A_Mo:1384)
98Mo42 + 11 D* --> 107Ag47 + 13C6 + 141.658 MeV [8.064 MeV]
(A_Mo:1385)
98Mo42 + 11 D* --> 110Cd48 + 10B5 + 134.683 MeV [1.089 MeV]
(A_Mo:1386)
98Mo42 + 11 D* --> 114Sn50 + 6Li3 + 132.855 MeV [-0.739 MeV]
(A_Mo:1387)

98Mo42 + 12 D* --> 64Ni28 + 58Fe26 + 198.770 MeV [51.044 MeV]
(A_Mo:1388)
98Mo42 + 12 D* --> 68Zn30 + 54Cr24 + 196.457 MeV [48.731 MeV]
(A_Mo:1389)
98Mo42 + 12 D* --> 70Zn30 + 52Cr24 + 194.499 MeV [46.773 MeV]
(A_Mo:1390)
98Mo42 + 12 D* --> 71Ga31 + 51V23 + 191.859 MeV [44.133 MeV]
(A_Mo:1391)
98Mo42 + 12 D* --> 72Ge32 + 50Ti22 + 193.530 MeV [45.804 MeV]
(A_Mo:1392)
98Mo42 + 12 D* --> 73Ge32 + 49Ti22 + 189.373 MeV [41.647 MeV]
(A_Mo:1393)
98Mo42 + 12 D* --> 74Ge32 + 48Ti22 + 191.427 MeV [43.701 MeV]
(A_Mo:1394)
98Mo42 + 12 D* --> 76Ge32 + 46Ti22 + 186.853 MeV [39.128 MeV]
(A_Mo:1395)
98Mo42 + 12 D* --> 74Se34 + 48Ca20 + 185.944 MeV [38.218 MeV]
(A_Mo:1396)
98Mo42 + 12 D* --> 76Se34 + 46Ca20 + 187.904 MeV [40.178 MeV]
(A_Mo:1397)
98Mo42 + 12 D* --> 78Se34 + 44Ca20 + 188.012 MeV [40.286 MeV]
(A_Mo:1398)
98Mo42 + 12 D* --> 80Se34 + 42Ca20 + 185.824 MeV [38.098 MeV]
(A_Mo:1399)

98Mo42 + 12 D* --> 82Se34 + 40Ca20 + 181.957 MeV [34.231 MeV]
(A_Mo:1400)
98Mo42 + 12 D* --> 81Br35 + 41K19 + 183.051 MeV [35.325 MeV]
(A_Mo:1401)
98Mo42 + 12 D* --> 82Kr36 + 40Ar18 + 185.146 MeV [37.421 MeV]
(A_Mo:1402)
98Mo42 + 12 D* --> 84Kr36 + 38Ar18 + 186.662 MeV [38.937 MeV]
(A_Mo:1403)
98Mo42 + 12 D* --> 86Kr36 + 36Ar18 + 183.014 MeV [35.288 MeV]
(A_Mo:1404)
98Mo42 + 12 D* --> 85Rb37 + 37Cl17 + 183.446 MeV [35.720 MeV]
(A_Mo:1405)
98Mo42 + 12 D* --> 87Rb37 + 35Cl17 + 183.128 MeV [35.402 MeV]
(A_Mo:1406)
98Mo42 + 12 D* --> 86Sr38 + 36S16 + 184.705 MeV [36.979 MeV]
(A_Mo:1407)
98Mo42 + 12 D* --> 88Sr38 + 34S16 + 187.370 MeV [39.645 MeV]
(A_Mo:1408)
98Mo42 + 12 D* --> 92Zr40 + 30Si14 + 182.404 MeV [34.678 MeV]
(A_Mo:1409)
98Mo42 + 12 D* --> 94Zr40 + 28Si14 + 178.277 MeV [30.551 MeV]
(A_Mo:1410)
98Mo42 + 12 D* --> 96Mo42 + 26Mg12 + 174.522 MeV [26.796 MeV]
(A_Mo:1411)
98Mo42 + 12 D* --> 97Mo42 + 25Mg12 + 170.250 MeV [22.524 MeV]
(A_Mo:1412)
98Mo42 + 12 D* --> 98Mo42 + 24Mg12 + 171.562 MeV [23.836 MeV]
(A_Mo:1413)
98Mo42 + 12 D* --> 100Ru44 + 22Ne10 + 166.761 MeV [19.035 MeV]
(A_Mo:1414)
98Mo42 + 12 D* --> 101Ru44 + 21Ne10 + 163.198 MeV [15.473 MeV]
(A_Mo:1415)
98Mo42 + 12 D* --> 102Ru44 + 20Ne10 + 165.657 MeV [17.931 MeV]
(A_Mo:1416)
98Mo42 + 12 D* --> 103Rh45 + 19F9 + 159.027 MeV [11.301 MeV]
(A_Mo:1417)
98Mo42 + 12 D* --> 104Pd46 + 18O8 + 159.689 MeV [11.963 MeV]
(A_Mo:1418)
98Mo42 + 12 D* --> 105Pd46 + 17O8 + 158.739 MeV [11.013 MeV]
(A_Mo:1419)
98Mo42 + 12 D* --> 106Pd46 + 16O8 + 164.156 MeV [16.431 MeV]
(A_Mo:1420)
98Mo42 + 12 D* --> 107Ag47 + 15N7 + 157.817 MeV [10.091 MeV]
(A_Mo:1421)
98Mo42 + 12 D* --> 110Cd48 + 12C6 + 159.870 MeV [12.144 MeV]
(A_Mo:1422)

100Mo42 + 2 D* --> 82Se34 + 22Ne10 + 25.706 MeV [4.639 MeV]
(A_Mo:1423)
100Mo42 + 2 D* --> 86Kr36 + 18O8 + 24.134 MeV [3.067 MeV]
(A_Mo:1424)
100Mo42 + 2 D* --> 100Mo42 + 4He2 + 23.847 MeV [2.779 MeV]
(A_Mo:1425)

100Mo42 + 2 D* --> 104Ru44 + 28.176 MeV [7.109 MeV]
(A_Mo:1426)

100Mo42 + 3 D* --> 96Zr40 + 10B5 + 26.615 MeV [-5.516 MeV]
(A_Mo:1427)
100Mo42 + 3 D* --> 100Mo42 + 6Li3 + 25.320 MeV [-6.811 MeV]
(A_Mo:1428)
100Mo42 + 3 D* --> 104Ru44 + 2H1 + 28.176 MeV [-3.955 MeV]
(A_Mo:1429)

100Mo42 + 4 D* --> 82Se34 + 26Mg12 + 60.167 MeV [16.624 MeV]
(A_Mo:1430)
100Mo42 + 4 D* --> 86Kr36 + 22Ne10 + 57.649 MeV [14.106 MeV]
(A_Mo:1431)
100Mo42 + 4 D* --> 96Zr40 + 12C6 + 51.801 MeV [8.259 MeV]
(A_Mo:1432)
100Mo42 + 4 D* --> 104Ru44 + 4He2 + 52.023 MeV [8.480 MeV]
(A_Mo:1433)
100Mo42 + 4 D* --> 108Pd46 + 55.883 MeV [12.340 MeV]
(A_Mo:1434)

100Mo42 + 5 D* --> 96Zr40 + 14N7 + 62.074 MeV [6.775 MeV]
(A_Mo:1435)
100Mo42 + 5 D* --> 100Mo42 + 10B5 + 53.628 MeV [-1.671 MeV]
(A_Mo:1436)
100Mo42 + 5 D* --> 104Ru44 + 6Li3 + 53.496 MeV [-1.802 MeV]
(A_Mo:1437)
100Mo42 + 5 D* --> 108Pd46 + 2H1 + 55.883 MeV [00.584 MeV]
(A_Mo:1438)

100Mo42 + 6 D* --> 64Ni28 + 48Ca20 + 103.943 MeV [36.548 MeV]
(A_Mo:1439)
100Mo42 + 6 D* --> 76Ge32 + 36S16 + 96.507 MeV [29.112 MeV]
(A_Mo:1440)
100Mo42 + 6 D* --> 82Se34 + 30Si14 + 94.657 MeV [27.262 MeV]
(A_Mo:1441)
100Mo42 + 6 D* --> 86Kr36 + 26Mg12 + 92.110 MeV [24.715 MeV]
(A_Mo:1442)
100Mo42 + 6 D* --> 94Zr40 + 18O8 + 80.678 MeV [13.283 MeV]
(A_Mo:1443)
100Mo42 + 6 D* --> 96Zr40 + 16O8 + 82.810 MeV [15.415 MeV]
(A_Mo:1444)
100Mo42 + 6 D* --> 100Mo42 + 12C6 + 78.814 MeV [11.419 MeV]
(A_Mo:1445)
100Mo42 + 6 D* --> 108Pd46 + 4He2 + 79.729 MeV [12.334 MeV]
(A_Mo:1446)
100Mo42 + 6 D* --> 112Cd48 + 83.211 MeV [15.815 MeV]
(A_Mo:1447)

100Mo42 + 7 D* --> 100Mo42 + 14N7 + 89.087 MeV [9.258 MeV]
(A_Mo:1448)
100Mo42 + 7 D* --> 104Ru44 + 10B5 + 81.804 MeV [1.976 MeV]
(A_Mo:1449)
100Mo42 + 7 D* --> 108Pd46 + 6Li3 + 81.203 MeV [1.375 MeV]

(A_Mo:1450)
100Mo42 + 7 D* --> 112Cd48 + 2H1 + 83.211 MeV [3.382 MeV]
(A_Mo:1451)
100Mo42 + 7 D* --> 113Cd48 + 1H1 + 87.526 MeV [7.698 MeV]
(A_Mo:1452)

100Mo42 + 8 D* --> 68Zn30 + 48Ca20 + 133.123 MeV [40.528 MeV]
(A_Mo:1453)
100Mo42 + 8 D* --> 70Zn30 + 46Ca20 + 131.601 MeV [39.007 MeV]
(A_Mo:1454)
100Mo42 + 8 D* --> 76Ge32 + 40Ar18 + 127.154 MeV [34.560 MeV]
(A_Mo:1455)
100Mo42 + 8 D* --> 80Se34 + 36S16 + 127.325 MeV [34.731 MeV]
(A_Mo:1456)
100Mo42 + 8 D* --> 82Se34 + 34S16 + 126.427 MeV [33.833 MeV]
(A_Mo:1457)
100Mo42 + 8 D* --> 86Kr36 + 30Si14 + 126.600 MeV [34.005 MeV]
(A_Mo:1458)
100Mo42 + 8 D* --> 94Zr40 + 22Ne10 + 114.193 MeV [21.598 MeV]
(A_Mo:1459)
100Mo42 + 8 D* --> 96Zr40 + 20Ne10 + 111.386 MeV [18.792 MeV]
(A_Mo:1460)
100Mo42 + 8 D* --> 98Mo42 + 18O8 + 107.795 MeV [15.200 MeV]
(A_Mo:1461)
100Mo42 + 8 D* --> 100Mo42 + 16O8 + 109.823 MeV [17.228 MeV]
(A_Mo:1462)
100Mo42 + 8 D* --> 104Ru44 + 12C6 + 106.990 MeV [14.396 MeV]
(A_Mo:1463)
100Mo42 + 8 D* --> 109Ag47 + 7Li3 + 92.716 MeV [00.121 MeV]
(A_Mo:1464)
100Mo42 + 8 D* --> 112Cd48 + 4He2 + 107.057 MeV [14.462 MeV]
(A_Mo:1465)
100Mo42 + 8 D* --> 113Cd48 + 3He2 + 93.020 MeV [00.425 MeV]
(A_Mo:1466)
100Mo42 + 8 D* --> 115In49 + 1H1 + 101.149 MeV [8.554 MeV]
(A_Mo:1467)
100Mo42 + 8 D* --> 116Sn50 + 110.430 MeV [17.835 MeV]
(A_Mo:1468)

100Mo42 + 9 D* --> 104Ru44 + 14N7 + 117.263 MeV [11.572 MeV]
(A_Mo:1469)
100Mo42 + 9 D* --> 108Pd46 + 10B5 + 109.511 MeV [3.820 MeV]
(A_Mo:1470)
100Mo42 + 9 D* --> 109Ag47 + 9Be4 + 109.412 MeV [3.721 MeV]
(A_Mo:1471)
100Mo42 + 9 D* --> 111Cd48 + 7Li3 + 106.387 MeV [00.696 MeV]
(A_Mo:1472)
100Mo42 + 9 D* --> 112Cd48 + 6Li3 + 108.531 MeV [2.840 MeV]
(A_Mo:1473)
100Mo42 + 9 D* --> 115In49 + 3He2 + 106.643 MeV [00.952 MeV]
(A_Mo:1474)
100Mo42 + 9 D* --> 116Sn50 + 2H1 + 110.430 MeV [4.739 MeV]
(A_Mo:1475)
100Mo42 + 9 D* --> 117Sn50 + 1H1 + 115.148 MeV [9.457 MeV]

(A_Mo:1476)

100Mo42 + 10 D* --> 70Zn30 + 50Ti22 + 166.164 MeV [47.050 MeV]
(A_Mo:1477)
100Mo42 + 10 D* --> 72Ge32 + 48Ca20 + 161.973 MeV [42.859 MeV]
(A_Mo:1478)
100Mo42 + 10 D* --> 74Ge32 + 46Ca20 + 161.730 MeV [42.617 MeV]
(A_Mo:1479)
100Mo42 + 10 D* --> 76Ge32 + 44Ca20 + 159.854 MeV [40.741 MeV]
(A_Mo:1480)
100Mo42 + 10 D* --> 80Se34 + 40Ar18 + 157.973 MeV [38.859 MeV]
(A_Mo:1481)
100Mo42 + 10 D* --> 82Se34 + 38Ar18 + 157.481 MeV [38.368 MeV]
(A_Mo:1482)
100Mo42 + 10 D* --> 84Kr36 + 36S16 + 158.268 MeV [39.154 MeV]
(A_Mo:1483)
100Mo42 + 10 D* --> 86Kr36 + 34S16 + 158.370 MeV [39.256 MeV]
(A_Mo:1484)
100Mo42 + 10 D* --> 94Zr40 + 26Mg12 + 148.654 MeV [29.540 MeV]
(A_Mo:1485)
100Mo42 + 10 D* --> 96Zr40 + 24Mg12 + 144.549 MeV [25.435 MeV]
(A_Mo:1486)
100Mo42 + 10 D* --> 98Mo42 + 22Ne10 + 141.309 MeV [22.196 MeV]
(A_Mo:1487)
100Mo42 + 10 D* --> 100Mo42 + 20Ne10 + 138.399 MeV [19.285 MeV]
(A_Mo:1488)
100Mo42 + 10 D* --> 102Ru44 + 18O8 + 135.052 MeV [15.939 MeV]
(A_Mo:1489)
100Mo42 + 10 D* --> 104Ru44 + 16O8 + 137.999 MeV [18.885 MeV]
(A_Mo:1490)
100Mo42 + 10 D* --> 108Pd46 + 12C6 + 134.697 MeV [15.583 MeV]
(A_Mo:1491)
100Mo42 + 10 D* --> 109Ag47 + 11B5 + 125.228 MeV [6.114 MeV]
(A_Mo:1492)
100Mo42 + 10 D* --> 111Cd48 + 9Be4 + 123.083 MeV [3.969 MeV]
(A_Mo:1493)
100Mo42 + 10 D* --> 113In49 + 7Li3 + 119.634 MeV [00.521 MeV]
(A_Mo:1494)
100Mo42 + 10 D* --> 116Sn50 + 4He2 + 134.276 MeV [15.162 MeV]
(A_Mo:1495)
100Mo42 + 10 D* --> 117Sn50 + 3He2 + 120.642 MeV [1.528 MeV]
(A_Mo:1496)
100Mo42 + 10 D* --> 120Te52 + 134.577 MeV [15.464 MeV]
(A_Mo:1497)

100Mo42 + 11 D* --> 82Se34 + 40K19 + 169.438 MeV [36.578 MeV]
(A_Mo:1498)
100Mo42 + 11 D* --> 108Pd46 + 14N7 + 144.970 MeV [12.109 MeV]
(A_Mo:1499)
100Mo42 + 11 D* --> 109Ag47 + 13C6 + 143.906 MeV [11.046 MeV]
(A_Mo:1500)
100Mo42 + 11 D* --> 111Cd48 + 11B5 + 138.898 MeV [6.038 MeV]
(A_Mo:1501)
100Mo42 + 11 D* --> 112Cd48 + 10B5 + 136.838 MeV [3.978 MeV]

(A_Mo:1502)
 100Mo42 + 11 D* --> 113In49 + 9Be4 + 136.331 MeV [3.470 MeV]
(A_Mo:1503)
 100Mo42 + 11 D* --> 115Sn50 + 7Li3 + 133.436 MeV [00.576 MeV]
(A_Mo:1504)
 100Mo42 + 11 D* --> 116Sn50 + 6Li3 + 135.750 MeV [2.890 MeV]
(A_Mo:1505)
 100Mo42 + 11 D* --> 120Te52 + 2H1 + 134.577 MeV [1.717 MeV]
(A_Mo:1506)

 100Mo42 + 12 D* --> 70Zn30 + 54Cr24 + 197.942 MeV [51.014 MeV]
(A_Mo:1507)
 100Mo42 + 12 D* --> 74Ge32 + 50Ti22 + 196.293 MeV [49.366 MeV]
(A_Mo:1508)
 100Mo42 + 12 D* --> 76Ge32 + 48Ti22 + 193.145 MeV [46.218 MeV]
(A_Mo:1509)
 100Mo42 + 12 D* --> 76Se34 + 48Ca20 + 190.911 MeV [43.983 MeV]
(A_Mo:1510)
 100Mo42 + 12 D* --> 78Se34 + 46Ca20 + 191.606 MeV [44.678 MeV]
(A_Mo:1511)
 100Mo42 + 12 D* --> 80Se34 + 44Ca20 + 190.673 MeV [43.746 MeV]
(A_Mo:1512)
 100Mo42 + 12 D* --> 82Se34 + 42Ca20 + 187.585 MeV [40.658 MeV]
(A_Mo:1513)
 100Mo42 + 12 D* --> 84Kr36 + 40Ar18 + 188.915 MeV [41.988 MeV]
(A_Mo:1514)
 100Mo42 + 12 D* --> 86Kr36 + 38Ar18 + 189.424 MeV [42.497 MeV]
(A_Mo:1515)
 100Mo42 + 12 D* --> 87Rb37 + 37Cl17 + 187.804 MeV [40.876 MeV]
(A_Mo:1516)
 100Mo42 + 12 D* --> 88Sr38 + 36S16 + 190.030 MeV [43.103 MeV]
(A_Mo:1517)
 100Mo42 + 12 D* --> 94Zr40 + 30Si14 + 183.144 MeV [36.217 MeV]
(A_Mo:1518)
 100Mo42 + 12 D* --> 96Zr40 + 28Si14 + 178.380 MeV [31.453 MeV]
(A_Mo:1519)
 100Mo42 + 12 D* --> 98Mo42 + 26Mg12 + 175.771 MeV [28.843 MeV]
(A_Mo:1520)
 100Mo42 + 12 D* --> 100Mo42 + 24Mg12 + 171.562 MeV [24.635 MeV]
(A_Mo:1521)
 100Mo42 + 12 D* --> 102Ru44 + 22Ne10 + 168.567 MeV [21.640 MeV]
(A_Mo:1522)
 100Mo42 + 12 D* --> 104Ru44 + 20Ne10 + 166.575 MeV [19.648 MeV]
(A_Mo:1523)
 100Mo42 + 12 D* --> 106Pd46 + 18O8 + 162.128 MeV [15.201 MeV]
(A_Mo:1524)
 100Mo42 + 12 D* --> 108Pd46 + 16O8 + 165.706 MeV [18.778 MeV]
(A_Mo:1525)
 100Mo42 + 12 D* --> 109Ag47 + 15N7 + 160.066 MeV [13.138 MeV]
(A_Mo:1526)
 100Mo42 + 12 D* --> 111Cd48 + 13C6 + 157.577 MeV [10.650 MeV]
(A_Mo:1527)
 100Mo42 + 12 D* --> 112Cd48 + 12C6 + 162.025 MeV [15.098 MeV]
(A_Mo:1528)

100Mo42 + 12 D* --> 113In49 + 11B5 + 152.146 MeV [5.219 MeV]
(A_Mo:1529)
100Mo42 + 12 D* --> 115Sn50 + 9Be4 + 150.133 MeV [3.205 MeV]
(A_Mo:1530)
100Mo42 + 12 D* --> 120Te52 + 4He2 + 158.424 MeV [11.497 MeV]
(A_Mo:1531)
100Mo42 + 12 D* --> 124Xe54 + 159.104 MeV [12.177 MeV]
(A_Mo:1532)

---------- Equations follow for Ruthenium, Ru, element 44 ----------

96Ru44 + D* --> 50V23 + 48Ti22 + 24.773 MeV [13.779 MeV] (A_Ru:1)
96Ru44 + D* --> 51V23 + 47Ti22 + 24.197 MeV [13.203 MeV] (A_Ru:2)
96Ru44 + D* --> 53Cr24 + 45Sc21 + 23.416 MeV [12.422 MeV] (A_Ru:3)
96Ru44 + D* --> 55Mn25 + 43Ca20 + 23.183 MeV [12.189 MeV] (A_Ru:4)
96Ru44 + D* --> 57Fe26 + 41K19 + 22.803 MeV [11.809 MeV] (A_Ru:5)
96Ru44 + D* --> 58Fe26 + 40K19 + 22.752 MeV [11.758 MeV] (A_Ru:6)
96Ru44 + D* --> 61Ni28 + 37Cl17 + 23.046 MeV [12.052 MeV] (A_Ru:7)
96Ru44 + D* --> 65Cu29 + 33S16 + 20.913 MeV [9.919 MeV] (A_Ru:8)
96Ru44 + D* --> 67Zn30 + 31P15 + 19.385 MeV [8.391 MeV] (A_Ru:9)
96Ru44 + D* --> 69Ga31 + 29Si14 + 18.286 MeV [7.292 MeV] (A_Ru:10)
96Ru44 + D* --> 84Sr38 + 14N7 + 4.844 MeV [-6.150 MeV] (A_Ru:11)

96Ru44 + 2 D* --> 50Ti22 + 50Cr24 + 41.886 MeV [19.548 MeV] (A_Ru:12)
96Ru44 + 2 D* --> 50V23 + 50V23 + 38.642 MeV [16.305 MeV] (A_Ru:13)
96Ru44 + 2 D* --> 50Cr24 + 50Ti22 + 41.886 MeV [19.548 MeV] (A_Ru:14)
96Ru44 + 2 D* --> 52Cr24 + 48Ti22 + 44.104 MeV [21.767 MeV] (A_Ru:15)
96Ru44 + 2 D* --> 53Cr24 + 47Ti22 + 40.417 MeV [18.079 MeV] (A_Ru:16)
96Ru44 + 2 D* --> 54Cr24 + 46Ti22 + 41.255 MeV [18.918 MeV] (A_Ru:17)
96Ru44 + 2 D* --> 55Mn25 + 45Sc21 + 38.978 MeV [16.641 MeV] (A_Ru:18)
96Ru44 + 2 D* --> 54Fe26 + 46Ca20 + 39.587 MeV [17.250 MeV] (A_Ru:19)
96Ru44 + 2 D* --> 56Fe26 + 44Ca20 + 42.273 MeV [19.936 MeV] (A_Ru:20)
96Ru44 + 2 D* --> 57Fe26 + 43Ca20 + 38.788 MeV [16.451 MeV] (A_Ru:21)
96Ru44 + 2 D* --> 58Fe26 + 42Ca20 + 40.900 MeV [18.563 MeV] (A_Ru:22)
96Ru44 + 2 D* --> 59Co27 + 41K19 + 37.987 MeV [15.650 MeV] (A_Ru:23)
96Ru44 + 2 D* --> 60Ni28 + 40Ar18 + 39.711 MeV [17.374 MeV] (A_Ru:24)
96Ru44 + 2 D* --> 62Ni28 + 38Ar18 + 41.660 MeV [19.323 MeV] (A_Ru:25)
96Ru44 + 2 D* --> 64Ni28 + 36Ar18 + 37.530 MeV [15.193 MeV] (A_Ru:26)
96Ru44 + 2 D* --> 63Cu29 + 37Cl17 + 37.540 MeV [15.203 MeV] (A_Ru:27)
96Ru44 + 2 D* --> 65Cu29 + 35Cl17 + 36.477 MeV [14.139 MeV] (A_Ru:28)
96Ru44 + 2 D* --> 64Zn30 + 36S16 + 36.867 MeV [14.530 MeV] (A_Ru:29)
96Ru44 + 2 D* --> 66Zn30 + 34S16 + 39.031 MeV [16.693 MeV] (A_Ru:30)
96Ru44 + 2 D* --> 67Zn30 + 33S16 + 34.666 MeV [12.329 MeV] (A_Ru:31)
96Ru44 + 2 D* --> 68Zn30 + 32S16 + 36.222 MeV [13.885 MeV] (A_Ru:32)
96Ru44 + 2 D* --> 69Ga31 + 31P15 + 33.968 MeV [11.631 MeV] (A_Ru:33)
96Ru44 + 2 D* --> 70Ge32 + 30Si14 + 35.195 MeV [12.858 MeV] (A_Ru:34)
96Ru44 + 2 D* --> 72Ge32 + 28Si14 + 34.278 MeV [11.941 MeV] (A_Ru:35)
96Ru44 + 2 D* --> 74Se34 + 26Mg12 + 28.627 MeV [6.290 MeV] (A_Ru:36)
96Ru44 + 2 D* --> 76Se34 + 24Mg12 + 29.385 MeV [7.048 MeV] (A_Ru:37)
96Ru44 + 2 D* --> 78Kr36 + 22Ne10 + 22.404 MeV [00.067 MeV] (A_Ru:38)
96Ru44 + 2 D* --> 80Kr36 + 20Ne10 + 25.134 MeV [2.797 MeV] (A_Ru:39)
96Ru44 + 2 D* --> 84Sr38 + 16O8 + 25.580 MeV [3.243 MeV] (A_Ru:40)
96Ru44 + 2 D* --> 96Ru44 + 4He2 + 23.847 MeV [1.509 MeV] (A_Ru:41)

96Ru44 + 3 D* --> 52Cr24 + 50V23 + 57.974 MeV [23.949 MeV] (A_Ru:42)
96Ru44 + 3 D* --> 55Mn25 + 47Ti22 + 55.978 MeV [21.953 MeV] (A_Ru:43)
96Ru44 + 3 D* --> 57Fe26 + 45Sc21 + 54.583 MeV [20.558 MeV] (A_Ru:44)
96Ru44 + 3 D* --> 59Co27 + 43Ca20 + 53.972 MeV [19.947 MeV] (A_Ru:45)
96Ru44 + 3 D* --> 61Ni28 + 41K19 + 53.115 MeV [19.090 MeV] (A_Ru:46)
96Ru44 + 3 D* --> 62Ni28 + 40K19 + 53.616 MeV [19.591 MeV] (A_Ru:47)
96Ru44 + 3 D* --> 67Zn30 + 35Cl17 + 50.229 MeV [16.204 MeV] (A_Ru:48)
96Ru44 + 3 D* --> 69Ga31 + 33S16 + 49.249 MeV [15.224 MeV] (A_Ru:49)
96Ru44 + 3 D* --> 92Mo42 + 10B5 + 28.089 MeV [-5.936 MeV] (A_Ru:50)
96Ru44 + 3 D* --> 96Ru44 + 6Li3 + 25.320 MeV [-8.705 MeV] (A_Ru:51)

96Ru44 + 4 D* --> 52Cr24 + 52Cr24 + 77.305 MeV [31.251 MeV] (A_Ru:52)
96Ru44 + 4 D* --> 54Cr24 + 50Cr24 + 73.663 MeV [27.609 MeV] (A_Ru:53)
96Ru44 + 4 D* --> 54Fe26 + 50Ti22 + 74.150 MeV [28.096 MeV] (A_Ru:54)
96Ru44 + 4 D* --> 56Fe26 + 48Ti22 + 75.564 MeV [29.510 MeV] (A_Ru:55)
96Ru44 + 4 D* --> 57Fe26 + 47Ti22 + 71.583 MeV [25.530 MeV] (A_Ru:56)
96Ru44 + 4 D* --> 58Fe26 + 46Ti22 + 72.748 MeV [26.694 MeV] (A_Ru:57)
96Ru44 + 4 D* --> 59Co27 + 45Sc21 + 69.767 MeV [23.713 MeV] (A_Ru:58)
96Ru44 + 4 D* --> 58Ni28 + 46Ca20 + 69.834 MeV [23.780 MeV] (A_Ru:59)
96Ru44 + 4 D* --> 60Ni28 + 44Ca20 + 72.411 MeV [26.358 MeV] (A_Ru:60)
96Ru44 + 4 D* --> 61Ni28 + 43Ca20 + 69.100 MeV [23.047 MeV] (A_Ru:61)
96Ru44 + 4 D* --> 62Ni28 + 42Ca20 + 71.764 MeV [25.710 MeV] (A_Ru:62)
96Ru44 + 4 D* --> 64Ni28 + 40Ca20 + 68.416 MeV [22.363 MeV] (A_Ru:63)
96Ru44 + 4 D* --> 63Cu29 + 41K19 + 67.609 MeV [21.556 MeV] (A_Ru:64)
96Ru44 + 4 D* --> 65Cu29 + 39K19 + 67.541 MeV [21.488 MeV] (A_Ru:65)
96Ru44 + 4 D* --> 64Zn30 + 40Ar18 + 67.514 MeV [21.460 MeV] (A_Ru:66)
96Ru44 + 4 D* --> 66Zn30 + 38Ar18 + 70.085 MeV [24.031 MeV] (A_Ru:67)
96Ru44 + 4 D* --> 68Zn30 + 36Ar18 + 66.710 MeV [20.656 MeV] (A_Ru:68)
96Ru44 + 4 D* --> 69Ga31 + 35Cl17 + 64.812 MeV [18.758 MeV] (A_Ru:69)
96Ru44 + 4 D* --> 70Ge32 + 34S16 + 66.966 MeV [20.912 MeV] (A_Ru:70)
96Ru44 + 4 D* --> 72Ge32 + 32S16 + 65.072 MeV [19.019 MeV] (A_Ru:71)
96Ru44 + 4 D* --> 74Se34 + 30Si14 + 63.116 MeV [17.063 MeV] (A_Ru:72)
96Ru44 + 4 D* --> 76Se34 + 28Si14 + 63.216 MeV [17.162 MeV] (A_Ru:73)
96Ru44 + 4 D* --> 78Kr36 + 26Mg12 + 56.865 MeV [10.811 MeV] (A_Ru:74)
96Ru44 + 4 D* --> 80Kr36 + 24Mg12 + 58.297 MeV [12.243 MeV] (A_Ru:75)
96Ru44 + 4 D* --> 84Sr38 + 20Ne10 + 54.157 MeV [8.103 MeV] (A_Ru:76)
96Ru44 + 4 D* --> 92Mo42 + 12C6 + 53.276 MeV [7.222 MeV] (A_Ru:77)

96Ru44 + 5 D* --> 56Fe26 + 50V23 + 89.433 MeV [31.013 MeV] (A_Ru:78)
96Ru44 + 5 D* --> 59Co27 + 47Ti22 + 86.767 MeV [28.347 MeV] (A_Ru:79)
96Ru44 + 5 D* --> 61Ni28 + 45Sc21 + 84.895 MeV [26.475 MeV] (A_Ru:80)
96Ru44 + 5 D* --> 63Cu29 + 43Ca20 + 83.595 MeV [25.175 MeV] (A_Ru:81)
96Ru44 + 5 D* --> 66Zn30 + 40K19 + 82.041 MeV [23.621 MeV] (A_Ru:82)
96Ru44 + 5 D* --> 67Zn30 + 39K19 + 81.294 MeV [22.874 MeV] (A_Ru:83)
96Ru44 + 5 D* --> 92Mo42 + 14N7 + 63.548 MeV [5.128 MeV] (A_Ru:84)
96Ru44 + 5 D* --> 96Ru44 + 10B5 + 53.628 MeV [-4.792 MeV] (A_Ru:85)

96Ru44 + 6 D* --> 54Cr24 + 54Fe26 + 105.927 MeV [34.807 MeV] (A_Ru:86)
96Ru44 + 6 D* --> 54Fe26 + 54Cr24 + 105.927 MeV [34.807 MeV] (A_Ru:87)
96Ru44 + 6 D* --> 56Fe26 + 52Cr24 + 108.765 MeV [37.645 MeV] (A_Ru:88)
96Ru44 + 6 D* --> 58Fe26 + 50Cr24 + 105.155 MeV [34.035 MeV] (A_Ru:89)
96Ru44 + 6 D* --> 58Ni28 + 50Ti22 + 104.397 MeV [33.277 MeV] (A_Ru:90)
96Ru44 + 6 D* --> 60Ni28 + 48Ti22 + 105.702 MeV [34.582 MeV] (A_Ru:91)
96Ru44 + 6 D* --> 61Ni28 + 47Ti22 + 101.896 MeV [30.776 MeV] (A_Ru:92)

96Ru44 + 6 D* --> 62Ni28 + 46Ti22 + 103.612 MeV [32.492 MeV] (A_Ru:93)
96Ru44 + 6 D* --> 63Cu29 + 45Sc21 + 99.390 MeV [28.270 MeV] (A_Ru:94)
96Ru44 + 6 D* --> 64Zn30 + 44Ca20 + 100.214 MeV [29.094 MeV] (A_Ru:95)
96Ru44 + 6 D* --> 66Zn30 + 42Ca20 + 100.189 MeV [29.069 MeV] (A_Ru:96)
96Ru44 + 6 D* --> 68Zn30 + 40Ca20 + 97.596 MeV [26.476 MeV] (A_Ru:97)
96Ru44 + 6 D* --> 69Ga31 + 39K19 + 95.877 MeV [24.757 MeV] (A_Ru:98)
96Ru44 + 6 D* --> 70Ge32 + 38Ar18 + 98.020 MeV [26.900 MeV] (A_Ru:99)
96Ru44 + 6 D* --> 72Ge32 + 36Ar18 + 95.560 MeV [24.440 MeV] (A_Ru:100)
96Ru44 + 6 D* --> 74Se34 + 34S16 + 94.887 MeV [23.767 MeV] (A_Ru:101)
96Ru44 + 6 D* --> 76Se34 + 32S16 + 94.010 MeV [22.890 MeV] (A_Ru:102)
96Ru44 + 6 D* --> 78Kr36 + 30Si14 + 91.355 MeV [20.235 MeV] (A_Ru:103)
96Ru44 + 6 D* --> 80Kr36 + 28Si14 + 92.128 MeV [21.008 MeV] (A_Ru:104)
96Ru44 + 6 D* --> 84Sr38 + 24Mg12 + 87.320 MeV [16.200 MeV] (A_Ru:105)
96Ru44 + 6 D* --> 92Mo42 + 16O8 + 84.284 MeV [13.164 MeV] (A_Ru:106)
96Ru44 + 6 D* --> 96Ru44 + 12C6 + 78.814 MeV [7.694 MeV] (A_Ru:107)

96Ru44 + 7 D* --> 60Ni28 + 50V23 + 119.572 MeV [35.421 MeV] (A_Ru:108)
96Ru44 + 7 D* --> 63Cu29 + 47Ti22 + 116.390 MeV [32.239 MeV] (A_Ru:109)
96Ru44 + 7 D* --> 70Ge32 + 40K19 + 109.976 MeV [25.826 MeV] (A_Ru:110)
96Ru44 + 7 D* --> 96Ru44 + 14N7 + 89.087 MeV [4.936 MeV] (A_Ru:111)

96Ru44 + 8 D* --> 56Fe26 + 56Fe26 + 140.224 MeV [42.716 MeV] (A_Ru:112)
96Ru44 + 8 D* --> 58Fe26 + 54Fe26 + 137.420 MeV [39.912 MeV] (A_Ru:113)
96Ru44 + 8 D* --> 58Ni28 + 54Cr24 + 136.174 MeV [38.666 MeV] (A_Ru:114)
96Ru44 + 8 D* --> 60Ni28 + 52Cr24 + 138.903 MeV [41.395 MeV] (A_Ru:115)
96Ru44 + 8 D* --> 62Ni28 + 50Cr24 + 136.019 MeV [38.511 MeV] (A_Ru:116)
96Ru44 + 8 D* --> 64Zn30 + 48Ti22 + 133.505 MeV [35.997 MeV] (A_Ru:117)
96Ru44 + 8 D* --> 66Zn30 + 46Ti22 + 132.037 MeV [34.529 MeV] (A_Ru:118)
96Ru44 + 8 D* --> 70Ge32 + 42Ca20 + 128.124 MeV [30.616 MeV] (A_Ru:119)
96Ru44 + 8 D* --> 72Ge32 + 40Ca20 + 126.446 MeV [28.938 MeV] (A_Ru:120)
96Ru44 + 8 D* --> 74Se34 + 38Ar18 + 125.941 MeV [28.433 MeV] (A_Ru:121)
96Ru44 + 8 D* --> 76Se34 + 36Ar18 + 124.497 MeV [26.989 MeV] (A_Ru:122)
96Ru44 + 8 D* --> 78Kr36 + 34S16 + 123.125 MeV [25.617 MeV] (A_Ru:123)
96Ru44 + 8 D* --> 80Kr36 + 32S16 + 122.922 MeV [25.414 MeV] (A_Ru:124)
96Ru44 + 8 D* --> 84Sr38 + 28Si14 + 121.150 MeV [23.642 MeV] (A_Ru:125)
96Ru44 + 8 D* --> 92Mo42 + 20Ne10 + 112.861 MeV [15.353 MeV] (A_Ru:126)
96Ru44 + 8 D* --> 96Ru44 + 16O8 + 109.823 MeV [12.315 MeV] (A_Ru:127)

96Ru44 + 9 D* --> 64Zn30 + 50V23 + 147.375 MeV [36.185 MeV] (A_Ru:128)
96Ru44 + 9 D* --> 74Se34 + 40K19 + 137.897 MeV [26.708 MeV] (A_Ru:129)

96Ru44 + 10 D* --> 58Fe26 + 58Ni28 + 167.666 MeV [42.475 MeV] (A_Ru:130)
96Ru44 + 10 D* --> 58Ni28 + 58Fe26 + 167.666 MeV [42.475 MeV] (A_Ru:131)
96Ru44 + 10 D* --> 60Ni28 + 56Fe26 + 170.363 MeV [45.171 MeV] (A_Ru:132)
96Ru44 + 10 D* --> 62Ni28 + 54Fe26 + 168.284 MeV [43.092 MeV] (A_Ru:133)
96Ru44 + 10 D* --> 64Zn30 + 52Cr24 + 166.706 MeV [41.514 MeV] (A_Ru:134)
96Ru44 + 10 D* --> 66Zn30 + 50Cr24 + 164.444 MeV [39.252 MeV] (A_Ru:135)
96Ru44 + 10 D* --> 70Ge32 + 46Ti22 + 159.972 MeV [34.780 MeV] (A_Ru:136)
96Ru44 + 10 D* --> 74Se34 + 42Ca20 + 156.045 MeV [30.853 MeV] (A_Ru:137)
96Ru44 + 10 D* --> 76Se34 + 40Ca20 + 155.383 MeV [30.192 MeV] (A_Ru:138)
96Ru44 + 10 D* --> 78Kr36 + 38Ar18 + 154.179 MeV [28.988 MeV] (A_Ru:139)
96Ru44 + 10 D* --> 80Kr36 + 36Ar18 + 153.409 MeV [28.217 MeV] (A_Ru:140)
96Ru44 + 10 D* --> 84Sr38 + 32S16 + 151.945 MeV [26.753 MeV] (A_Ru:141)
96Ru44 + 10 D* --> 92Mo42 + 24Mg12 + 146.024 MeV [20.832 MeV] (A_Ru:142)

96Ru44 + 10 D* --> 96Ru44 + 20Ne10 + 138.399 MeV [13.207 MeV] (A_Ru:143)

96Ru44 + 11 D* --> 78Kr36 + 40K19 + 166.136 MeV [26.624 MeV] (A_Ru:144)

96Ru44 + 12 D* --> 60Ni28 + 60Ni28 + 200.501 MeV [46.353 MeV] (A_Ru:145)
96Ru44 + 12 D* --> 62Ni28 + 58Ni28 + 198.530 MeV [44.383 MeV] (A_Ru:146)
96Ru44 + 12 D* --> 64Zn30 + 56Fe26 + 198.166 MeV [44.018 MeV] (A_Ru:147)
96Ru44 + 12 D* --> 66Zn30 + 54Fe26 + 196.708 MeV [42.561 MeV] (A_Ru:148)
96Ru44 + 12 D* --> 70Ge32 + 50Cr24 + 192.379 MeV [38.232 MeV] (A_Ru:149)
96Ru44 + 12 D* --> 74Se34 + 46Ti22 + 187.893 MeV [33.745 MeV] (A_Ru:150)
96Ru44 + 12 D* --> 78Kr36 + 42Ca20 + 184.283 MeV [30.136 MeV] (A_Ru:151)
96Ru44 + 12 D* --> 80Kr36 + 40Ca20 + 184.295 MeV [30.148 MeV] (A_Ru:152)
96Ru44 + 12 D* --> 84Sr38 + 36Ar18 + 182.432 MeV [28.285 MeV] (A_Ru:153)
96Ru44 + 12 D* --> 92Mo42 + 28Si14 + 179.854 MeV [25.707 MeV] (A_Ru:154)
96Ru44 + 12 D* --> 96Ru44 + 24Mg12 + 171.562 MeV [17.415 MeV] (A_Ru:155)

98Ru44 + D* --> 50Ti22 + 50V23 + 25.559 MeV [14.639 MeV] (A_Ru:156)
98Ru44 + D* --> 50V23 + 50Ti22 + 25.559 MeV [14.639 MeV] (A_Ru:157)
98Ru44 + D* --> 51V23 + 49Ti22 + 25.671 MeV [14.751 MeV] (A_Ru:158)
98Ru44 + D* --> 71Ga31 + 29Si14 + 16.947 MeV [6.026 MeV] (A_Ru:159)
98Ru44 + D* --> 73Ge32 + 27Al13 + 13.405 MeV [2.485 MeV] (A_Ru:160)
98Ru44 + D* --> 75As33 + 25Mg12 + 11.136 MeV [00.216 MeV] (A_Ru:161)
98Ru44 + D* --> 77Se34 + 23Na11 + 9.041 MeV [-1.880 MeV] (A_Ru:162)
98Ru44 + D* --> 79Br35 + 21Ne10 + 6.712 MeV [-4.209 MeV] (A_Ru:163)
98Ru44 + D* --> 86Sr38 + 14N7 + 6.571 MeV [-4.349 MeV] (A_Ru:164)
98Ru44 + D* --> 90Zr40 + 10B5 + 1.628 MeV [-9.293 MeV] (A_Ru:165)
98Ru44 + D* --> 99Ru44 + 1H1 + 5.239 MeV [-5.681 MeV] (A_Ru:166)

98Ru44 + 2 D* --> 51V23 + 51V23 + 42.450 MeV [20.260 MeV] (A_Ru:167)
98Ru44 + 2 D* --> 52Cr24 + 50Ti22 + 44.891 MeV [22.700 MeV] (A_Ru:168)
98Ru44 + 2 D* --> 53Cr24 + 49Ti22 + 41.891 MeV [19.700 MeV] (A_Ru:169)
98Ru44 + 2 D* --> 54Cr24 + 48Ti22 + 43.467 MeV [21.277 MeV] (A_Ru:170)
98Ru44 + 2 D* --> 54Fe26 + 48Ca20 + 38.514 MeV [16.323 MeV] (A_Ru:171)
98Ru44 + 2 D* --> 56Fe26 + 46Ca20 + 41.787 MeV [19.597 MeV] (A_Ru:172)
98Ru44 + 2 D* --> 58Fe26 + 44Ca20 + 41.669 MeV [19.479 MeV] (A_Ru:173)
98Ru44 + 2 D* --> 62Ni28 + 40Ar18 + 39.833 MeV [17.643 MeV] (A_Ru:174)
98Ru44 + 2 D* --> 64Ni28 + 38Ar18 + 39.861 MeV [17.671 MeV] (A_Ru:175)
98Ru44 + 2 D* --> 65Cu29 + 37Cl17 + 37.072 MeV [14.882 MeV] (A_Ru:176)
98Ru44 + 2 D* --> 66Zn30 + 36S16 + 37.610 MeV [15.420 MeV] (A_Ru:177)
98Ru44 + 2 D* --> 68Zn30 + 34S16 + 37.986 MeV [15.796 MeV] (A_Ru:178)
98Ru44 + 2 D* --> 70Zn30 + 32S16 + 33.627 MeV [11.437 MeV] (A_Ru:179)
98Ru44 + 2 D* --> 71Ga31 + 31P15 + 32.628 MeV [10.438 MeV] (A_Ru:180)
98Ru44 + 2 D* --> 72Ge32 + 30Si14 + 35.066 MeV [12.876 MeV] (A_Ru:181)
98Ru44 + 2 D* --> 73Ge32 + 29Si14 + 31.240 MeV [9.049 MeV] (A_Ru:182)
98Ru44 + 2 D* --> 74Ge32 + 28Si14 + 32.962 MeV [10.772 MeV] (A_Ru:183)
98Ru44 + 2 D* --> 75As33 + 27Al13 + 28.276 MeV [6.086 MeV] (A_Ru:184)
98Ru44 + 2 D* --> 76Se34 + 26Mg12 + 29.514 MeV [7.323 MeV] (A_Ru:185)
98Ru44 + 2 D* --> 77Se34 + 25Mg12 + 25.839 MeV [3.649 MeV] (A_Ru:186)
98Ru44 + 2 D* --> 78Se34 + 24Mg12 + 29.007 MeV [6.816 MeV] (A_Ru:187)
98Ru44 + 2 D* --> 79Br35 + 23Na11 + 23.645 MeV [1.455 MeV] (A_Ru:188)
98Ru44 + 2 D* --> 80Kr36 + 22Ne10 + 23.964 MeV [1.774 MeV] (A_Ru:189)
98Ru44 + 2 D* --> 82Kr36 + 20Ne10 + 25.678 MeV [3.488 MeV] (A_Ru:190)
98Ru44 + 2 D* --> 84Sr38 + 18O8 + 19.472 MeV [-2.718 MeV] (A_Ru:191)
98Ru44 + 2 D* --> 86Sr38 + 16O8 + 27.308 MeV [5.117 MeV] (A_Ru:192)

98Ru44 + 2 D* --> 90Zr40 + 12C6 + 26.814 MeV [4.624 MeV] (A_Ru:193)
98Ru44 + 2 D* --> 98Ru44 + 4He2 + 23.847 MeV [1.656 MeV] (A_Ru:194)
98Ru44 + 2 D* --> 99Ru44 + 3He2 + 10.733 MeV [-11.457 MeV] (A_Ru:195)
98Ru44 + 2 D* --> 102Pd46 + 25.972 MeV [3.782 MeV] (A_Ru:196)

98Ru44 + 3 D* --> 53Cr24 + 51V23 + 58.669 MeV [24.863 MeV] (A_Ru:197)
98Ru44 + 3 D* --> 54Cr24 + 50V23 + 57.337 MeV [23.531 MeV] (A_Ru:198)
98Ru44 + 3 D* --> 55Mn25 + 49Ti22 + 57.452 MeV [23.647 MeV] (A_Ru:199)
98Ru44 + 3 D* --> 64Ni28 + 40K19 + 51.817 MeV [18.012 MeV] (A_Ru:200)
98Ru44 + 3 D* --> 67Zn30 + 37Cl17 + 50.825 MeV [17.019 MeV] (A_Ru:201)
98Ru44 + 3 D* --> 71Ga31 + 33S16 + 47.909 MeV [14.103 MeV] (A_Ru:202)
98Ru44 + 3 D* --> 73Ge32 + 31P15 + 46.921 MeV [13.116 MeV] (A_Ru:203)
98Ru44 + 3 D* --> 75As33 + 29Si14 + 46.110 MeV [12.305 MeV] (A_Ru:204)
98Ru44 + 3 D* --> 77Se34 + 27Al13 + 42.979 MeV [9.173 MeV] (A_Ru:205)
98Ru44 + 3 D* --> 79Br35 + 25Mg12 + 40.444 MeV [6.639 MeV] (A_Ru:206)
98Ru44 + 3 D* --> 90Zr40 + 14N7 + 37.087 MeV [3.281 MeV] (A_Ru:207)
98Ru44 + 3 D* --> 94Mo42 + 10B5 + 27.542 MeV [-6.264 MeV] (A_Ru:208)
98Ru44 + 3 D* --> 98Ru44 + 6Li3 + 25.320 MeV [-8.485 MeV] (A_Ru:209)
98Ru44 + 3 D* --> 102Pd46 + 2H1 + 25.972 MeV [-7.833 MeV] (A_Ru:210)

98Ru44 + 4 D* --> 53Cr24 + 53Cr24 + 74.888 MeV [29.126 MeV] (A_Ru:211)
98Ru44 + 4 D* --> 54Cr24 + 52Cr24 + 76.668 MeV [30.906 MeV] (A_Ru:212)
98Ru44 + 4 D* --> 55Mn25 + 51V23 + 74.230 MeV [28.468 MeV] (A_Ru:213)
98Ru44 + 4 D* --> 56Fe26 + 50Ti22 + 76.350 MeV [30.588 MeV] (A_Ru:214)
98Ru44 + 4 D* --> 57Fe26 + 49Ti22 + 73.057 MeV [27.295 MeV] (A_Ru:215)
98Ru44 + 4 D* --> 58Fe26 + 48Ti22 + 74.960 MeV [29.197 MeV] (A_Ru:216)
98Ru44 + 4 D* --> 58Ni28 + 48Ca20 + 68.760 MeV [22.998 MeV] (A_Ru:217)
98Ru44 + 4 D* --> 60Ni28 + 46Ca20 + 71.926 MeV [26.163 MeV] (A_Ru:218)
98Ru44 + 4 D* --> 62Ni28 + 44Ca20 + 72.533 MeV [26.771 MeV] (A_Ru:219)
98Ru44 + 4 D* --> 64Ni28 + 42Ca20 + 69.965 MeV [24.202 MeV] (A_Ru:220)
98Ru44 + 4 D* --> 65Cu29 + 41K19 + 67.141 MeV [21.379 MeV] (A_Ru:221)
98Ru44 + 4 D* --> 66Zn30 + 40Ar18 + 68.258 MeV [22.495 MeV] (A_Ru:222)
98Ru44 + 4 D* --> 68Zn30 + 38Ar18 + 69.040 MeV [23.278 MeV] (A_Ru:223)
98Ru44 + 4 D* --> 70Zn30 + 36Ar18 + 64.115 MeV [18.352 MeV] (A_Ru:224)
98Ru44 + 4 D* --> 69Ga31 + 37Cl17 + 65.408 MeV [19.645 MeV] (A_Ru:225)
98Ru44 + 4 D* --> 71Ga31 + 35Cl17 + 63.472 MeV [17.710 MeV] (A_Ru:226)
98Ru44 + 4 D* --> 70Ge32 + 36S16 + 65.546 MeV [19.783 MeV] (A_Ru:227)
98Ru44 + 4 D* --> 72Ge32 + 34S16 + 66.836 MeV [21.074 MeV] (A_Ru:228)
98Ru44 + 4 D* --> 73Ge32 + 33S16 + 62.202 MeV [16.440 MeV] (A_Ru:229)
98Ru44 + 4 D* --> 74Ge32 + 32S16 + 63.757 MeV [17.994 MeV] (A_Ru:230)
98Ru44 + 4 D* --> 75As33 + 31P15 + 61.792 MeV [16.029 MeV] (A_Ru:231)
98Ru44 + 4 D* --> 76Se34 + 30Si14 + 64.003 MeV [18.241 MeV] (A_Ru:232)
98Ru44 + 4 D* --> 77Se34 + 29Si14 + 60.813 MeV [15.051 MeV] (A_Ru:233)
98Ru44 + 4 D* --> 78Se34 + 28Si14 + 62.837 MeV [17.075 MeV] (A_Ru:234)
98Ru44 + 4 D* --> 79Br35 + 27Al13 + 57.584 MeV [11.821 MeV] (A_Ru:235)
98Ru44 + 4 D* --> 80Kr36 + 26Mg12 + 58.425 MeV [12.663 MeV] (A_Ru:236)
98Ru44 + 4 D* --> 82Kr36 + 24Mg12 + 58.841 MeV [13.079 MeV] (A_Ru:237)
98Ru44 + 4 D* --> 84Sr38 + 22Ne10 + 52.987 MeV [7.225 MeV] (A_Ru:238)
98Ru44 + 4 D* --> 86Sr38 + 20Ne10 + 55.884 MeV [10.122 MeV] (A_Ru:239)
98Ru44 + 4 D* --> 90Zr40 + 16O8 + 57.823 MeV [12.060 MeV] (A_Ru:240)
98Ru44 + 4 D* --> 94Mo42 + 12C6 + 52.728 MeV [6.966 MeV] (A_Ru:241)
98Ru44 + 4 D* --> 102Pd46 + 4He2 + 49.819 MeV [4.056 MeV] (A_Ru:242)
98Ru44 + 4 D* --> 106Cd48 + 51.451 MeV [5.689 MeV] (A_Ru:243)

98Ru44 + 5 D* --> 55Mn25 + 53Cr24 + 90.449 MeV [32.392 MeV] (A_Ru:244)
98Ru44 + 5 D* --> 57Fe26 + 51V23 + 89.836 MeV [31.778 MeV] (A_Ru:245)
98Ru44 + 5 D* --> 58Fe26 + 50V23 + 88.829 MeV [30.772 MeV] (A_Ru:246)
98Ru44 + 5 D* --> 59Co27 + 49Ti22 + 88.241 MeV [30.184 MeV] (A_Ru:247)
98Ru44 + 5 D* --> 65Cu29 + 43Ca20 + 83.126 MeV [25.069 MeV] (A_Ru:248)
98Ru44 + 5 D* --> 67Zn30 + 41K19 + 80.894 MeV [22.836 MeV] (A_Ru:249)
98Ru44 + 5 D* --> 68Zn30 + 40K19 + 80.997 MeV [22.939 MeV] (A_Ru:250)
98Ru44 + 5 D* --> 73Ge32 + 35Cl17 + 77.765 MeV [19.708 MeV] (A_Ru:251)
98Ru44 + 5 D* --> 75As33 + 33S16 + 77.073 MeV [19.015 MeV] (A_Ru:252)
98Ru44 + 5 D* --> 77Se34 + 31P15 + 76.495 MeV [18.437 MeV] (A_Ru:253)
98Ru44 + 5 D* --> 79Br35 + 29Si14 + 75.418 MeV [17.361 MeV] (A_Ru:254)
98Ru44 + 5 D* --> 94Mo42 + 14N7 + 63.000 MeV [4.943 MeV] (A_Ru:255)
98Ru44 + 5 D* --> 98Ru44 + 10B5 + 53.628 MeV [-4.429 MeV] (A_Ru:256)
98Ru44 + 5 D* --> 102Pd46 + 6Li3 + 51.292 MeV [-6.765 MeV] (A_Ru:257)
98Ru44 + 5 D* --> 106Cd48 + 2H1 + 51.451 MeV [-6.606 MeV] (A_Ru:258)

98Ru44 + 6 D* --> 55Mn25 + 55Mn25 + 106.011 MeV [35.325 MeV] (A_Ru:259)
98Ru44 + 6 D* --> 56Fe26 + 54Cr24 + 108.128 MeV [37.441 MeV] (A_Ru:260)
98Ru44 + 6 D* --> 57Fe26 + 53Cr24 + 106.055 MeV [35.368 MeV] (A_Ru:261)
98Ru44 + 6 D* --> 58Fe26 + 52Cr24 + 108.160 MeV [37.474 MeV] (A_Ru:262)
98Ru44 + 6 D* --> 59Co27 + 51V23 + 105.020 MeV [34.333 MeV] (A_Ru:263)
98Ru44 + 6 D* --> 60Ni28 + 50Ti22 + 106.489 MeV [35.802 MeV] (A_Ru:264)
98Ru44 + 6 D* --> 61Ni28 + 49Ti22 + 103.370 MeV [32.683 MeV] (A_Ru:265)
98Ru44 + 6 D* --> 62Ni28 + 48Ti22 + 105.824 MeV [35.137 MeV] (A_Ru:266)
98Ru44 + 6 D* --> 64Ni28 + 46Ti22 + 101.813 MeV [31.126 MeV] (A_Ru:267)
98Ru44 + 6 D* --> 65Cu29 + 45Sc21 + 98.921 MeV [28.235 MeV] (A_Ru:268)
98Ru44 + 6 D* --> 64Zn30 + 46Ca20 + 99.729 MeV [29.042 MeV] (A_Ru:269)
98Ru44 + 6 D* --> 66Zn30 + 44Ca20 + 100.958 MeV [30.271 MeV] (A_Ru:270)
98Ru44 + 6 D* --> 67Zn30 + 43Ca20 + 96.879 MeV [26.193 MeV] (A_Ru:271)
98Ru44 + 6 D* --> 68Zn30 + 42Ca20 + 99.144 MeV [28.458 MeV] (A_Ru:272)
98Ru44 + 6 D* --> 70Zn30 + 40Ca20 + 95.001 MeV [24.314 MeV] (A_Ru:273)
98Ru44 + 6 D* --> 69Ga31 + 41K19 + 95.477 MeV [24.790 MeV] (A_Ru:274)
98Ru44 + 6 D* --> 71Ga31 + 39K19 + 94.537 MeV [23.851 MeV] (A_Ru:275)
98Ru44 + 6 D* --> 70Ge32 + 40Ar18 + 96.193 MeV [25.507 MeV] (A_Ru:276)
98Ru44 + 6 D* --> 72Ge32 + 38Ar18 + 97.890 MeV [27.204 MeV] (A_Ru:277)
98Ru44 + 6 D* --> 74Ge32 + 36Ar18 + 94.244 MeV [23.557 MeV] (A_Ru:278)
98Ru44 + 6 D* --> 75As33 + 35Cl17 + 92.636 MeV [21.949 MeV] (A_Ru:279)
98Ru44 + 6 D* --> 74Se34 + 36S16 + 93.467 MeV [22.780 MeV] (A_Ru:280)
98Ru44 + 6 D* --> 76Se34 + 34S16 + 95.774 MeV [25.087 MeV] (A_Ru:281)
98Ru44 + 6 D* --> 77Se34 + 33S16 + 91.775 MeV [21.089 MeV] (A_Ru:282)
98Ru44 + 6 D* --> 78Se34 + 32S16 + 93.632 MeV [22.945 MeV] (A_Ru:283)
98Ru44 + 6 D* --> 79Br35 + 31P15 + 91.099 MeV [20.413 MeV] (A_Ru:284)
98Ru44 + 6 D* --> 80Kr36 + 30Si14 + 92.915 MeV [22.229 MeV] (A_Ru:285)
98Ru44 + 6 D* --> 82Kr36 + 28Si14 + 92.672 MeV [21.986 MeV] (A_Ru:286)
98Ru44 + 6 D* --> 84Sr38 + 26Mg12 + 87.448 MeV [16.762 MeV] (A_Ru:287)
98Ru44 + 6 D* --> 86Sr38 + 24Mg12 + 89.047 MeV [18.361 MeV] (A_Ru:288)
98Ru44 + 6 D* --> 90Zr40 + 20Ne10 + 86.399 MeV [15.713 MeV] (A_Ru:289)
98Ru44 + 6 D* --> 92Mo42 + 18O8 + 78.176 MeV [7.490 MeV] (A_Ru:290)
98Ru44 + 6 D* --> 94Mo42 + 16O8 + 83.737 MeV [13.050 MeV] (A_Ru:291)
98Ru44 + 6 D* --> 98Ru44 + 12C6 + 78.814 MeV [8.128 MeV] (A_Ru:292)
98Ru44 + 6 D* --> 106Cd48 + 4He2 + 75.297 MeV [4.611 MeV] (A_Ru:293)

98Ru44 + 7 D* --> 57Fe26 + 55Mn25 + 121.616 MeV [37.970 MeV] (A_Ru:294)
98Ru44 + 7 D* --> 59Co27 + 53Cr24 + 121.239 MeV [37.592 MeV] (A_Ru:295)

98Ru44 + 7 D* --> 61Ni28 + 51V23 + 120.148 MeV [36.501 MeV] (A_Ru:296)
98Ru44 + 7 D* --> 62Ni28 + 50V23 + 119.693 MeV [36.047 MeV] (A_Ru:297)
98Ru44 + 7 D* --> 63Cu29 + 49Ti22 + 117.864 MeV [34.217 MeV] (A_Ru:298)
98Ru44 + 7 D* --> 65Cu29 + 47Ti22 + 115.922 MeV [32.275 MeV] (A_Ru:299)
98Ru44 + 7 D* --> 67Zn30 + 45Sc21 + 112.674 MeV [29.027 MeV] (A_Ru:300)
98Ru44 + 7 D* --> 69Ga31 + 43Ca20 + 111.462 MeV [27.815 MeV] (A_Ru:301)
98Ru44 + 7 D* --> 72Ge32 + 40K19 + 109.847 MeV [26.200 MeV] (A_Ru:302)
98Ru44 + 7 D* --> 73Ge32 + 39K19 + 108.830 MeV [25.184 MeV] (A_Ru:303)
98Ru44 + 7 D* --> 77Se34 + 35Cl17 + 107.339 MeV [23.692 MeV] (A_Ru:304)
98Ru44 + 7 D* --> 79Br35 + 33S16 + 106.380 MeV [22.734 MeV] (A_Ru:305)
98Ru44 + 7 D* --> 98Ru44 + 14N7 + 89.087 MeV [5.440 MeV] (A_Ru:306)
98Ru44 + 7 D* --> 102Pd46 + 10B5 + 79.600 MeV [-4.047 MeV] (A_Ru:307)
98Ru44 + 7 D* --> 106Cd48 + 6Li3 + 76.771 MeV [-6.875 MeV] (A_Ru:308)

98Ru44 + 8 D* --> 57Fe26 + 57Fe26 + 137.222 MeV [40.287 MeV] (A_Ru:309)
98Ru44 + 8 D* --> 58Fe26 + 56Fe26 + 139.620 MeV [42.686 MeV] (A_Ru:310)
98Ru44 + 8 D* --> 59Co27 + 55Mn25 + 136.800 MeV [39.866 MeV] (A_Ru:311)
98Ru44 + 8 D* --> 60Ni28 + 54Cr24 + 138.266 MeV [41.332 MeV] (A_Ru:312)
98Ru44 + 8 D* --> 61Ni28 + 53Cr24 + 136.367 MeV [39.433 MeV] (A_Ru:313)
98Ru44 + 8 D* --> 62Ni28 + 52Cr24 + 139.024 MeV [42.090 MeV] (A_Ru:314)
98Ru44 + 8 D* --> 64Ni28 + 50Cr24 + 134.220 MeV [37.286 MeV] (A_Ru:315)
98Ru44 + 8 D* --> 63Cu29 + 51V23 + 134.642 MeV [37.708 MeV] (A_Ru:316)
98Ru44 + 8 D* --> 64Zn30 + 50Ti22 + 134.292 MeV [37.357 MeV] (A_Ru:317)
98Ru44 + 8 D* --> 66Zn30 + 48Ti22 + 134.248 MeV [37.314 MeV] (A_Ru:318)
98Ru44 + 8 D* --> 67Zn30 + 47Ti22 + 129.674 MeV [32.740 MeV] (A_Ru:319)
98Ru44 + 8 D* --> 68Zn30 + 46Ti22 + 130.992 MeV [34.058 MeV] (A_Ru:320)
98Ru44 + 8 D* --> 69Ga31 + 45Sc21 + 127.257 MeV [30.323 MeV] (A_Ru:321)
98Ru44 + 8 D* --> 70Ge32 + 44Ca20 + 128.893 MeV [31.959 MeV] (A_Ru:322)
98Ru44 + 8 D* --> 72Ge32 + 42Ca20 + 127.994 MeV [31.060 MeV] (A_Ru:323)
98Ru44 + 8 D* --> 74Ge32 + 40Ca20 + 125.130 MeV [28.196 MeV] (A_Ru:324)
98Ru44 + 8 D* --> 75As33 + 39K19 + 123.701 MeV [26.766 MeV] (A_Ru:325)
98Ru44 + 8 D* --> 74Se34 + 40Ar18 + 124.114 MeV [27.180 MeV] (A_Ru:326)
98Ru44 + 8 D* --> 76Se34 + 38Ar18 + 126.828 MeV [29.894 MeV] (A_Ru:327)
98Ru44 + 8 D* --> 78Se34 + 36Ar18 + 124.119 MeV [27.185 MeV] (A_Ru:328)
98Ru44 + 8 D* --> 79Br35 + 35Cl17 + 121.943 MeV [25.009 MeV] (A_Ru:329)
98Ru44 + 8 D* --> 78Kr36 + 36S16 + 121.705 MeV [24.771 MeV] (A_Ru:330)
98Ru44 + 8 D* --> 80Kr36 + 34S16 + 124.686 MeV [27.751 MeV] (A_Ru:331)
98Ru44 + 8 D* --> 82Kr36 + 32S16 + 123.467 MeV [26.532 MeV] (A_Ru:332)
98Ru44 + 8 D* --> 84Sr38 + 30Si14 + 121.938 MeV [25.004 MeV] (A_Ru:333)
98Ru44 + 8 D* --> 86Sr38 + 28Si14 + 122.878 MeV [25.943 MeV] (A_Ru:334)
98Ru44 + 8 D* --> 90Zr40 + 24Mg12 + 119.562 MeV [22.628 MeV] (A_Ru:335)
98Ru44 + 8 D* --> 92Mo42 + 22Ne10 + 111.691 MeV [14.757 MeV] (A_Ru:336)
98Ru44 + 8 D* --> 94Mo42 + 20Ne10 + 112.313 MeV [15.379 MeV] (A_Ru:337)
98Ru44 + 8 D* --> 96Ru44 + 18O8 + 103.715 MeV [6.781 MeV] (A_Ru:338)
98Ru44 + 8 D* --> 98Ru44 + 16O8 + 109.823 MeV [12.888 MeV] (A_Ru:339)
98Ru44 + 8 D* --> 102Pd46 + 12C6 + 104.786 MeV [7.852 MeV] (A_Ru:340)

98Ru44 + 9 D* --> 59Co27 + 57Fe26 + 152.406 MeV [41.859 MeV] (A_Ru:341)
98Ru44 + 9 D* --> 61Ni28 + 55Mn25 + 151.929 MeV [41.382 MeV] (A_Ru:342)
98Ru44 + 9 D* --> 63Cu29 + 53Cr24 + 150.861 MeV [40.315 MeV] (A_Ru:343)
98Ru44 + 9 D* --> 66Zn30 + 50V23 + 148.118 MeV [37.571 MeV] (A_Ru:344)
98Ru44 + 9 D* --> 69Ga31 + 47Ti22 + 144.257 MeV [33.711 MeV] (A_Ru:345)
98Ru44 + 9 D* --> 76Se34 + 40K19 + 138.784 MeV [28.238 MeV] (A_Ru:346)
98Ru44 + 9 D* --> 77Se34 + 39K19 + 138.404 MeV [27.857 MeV] (A_Ru:347)

98Ru44 + 9 D* --> 102Pd46 + 14N7 + 115.059 MeV [4.512 MeV] (A_Ru:348)
98Ru44 + 9 D* --> 106Cd48 + 10B5 + 105.079 MeV [-5.468 MeV] (A_Ru:349)

98Ru44 + 10 D* --> 59Co27 + 59Co27 + 167.590 MeV [43.109 MeV] (A_Ru:350)
98Ru44 + 10 D* --> 60Ni28 + 58Fe26 + 169.758 MeV [45.278 MeV] (A_Ru:351)
98Ru44 + 10 D* --> 61Ni28 + 57Fe26 + 167.534 MeV [43.053 MeV] (A_Ru:352)
98Ru44 + 10 D* --> 62Ni28 + 56Fe26 + 170.484 MeV [46.004 MeV] (A_Ru:353)
98Ru44 + 10 D* --> 64Ni28 + 54Fe26 + 166.484 MeV [42.004 MeV] (A_Ru:354)
98Ru44 + 10 D* --> 63Cu29 + 55Mn25 + 166.423 MeV [41.942 MeV] (A_Ru:355)
98Ru44 + 10 D* --> 64Zn30 + 54Cr24 + 166.069 MeV [41.588 MeV] (A_Ru:356)
98Ru44 + 10 D* --> 66Zn30 + 52Cr24 + 167.449 MeV [42.969 MeV] (A_Ru:357)
98Ru44 + 10 D* --> 68Zn30 + 50Cr24 + 163.399 MeV [38.919 MeV] (A_Ru:358)
98Ru44 + 10 D* --> 70Ge32 + 48Ti22 + 162.184 MeV [37.703 MeV] (A_Ru:359)
98Ru44 + 10 D* --> 72Ge32 + 46Ti22 + 159.842 MeV [35.362 MeV] (A_Ru:360)
98Ru44 + 10 D* --> 74Se34 + 44Ca20 + 156.814 MeV [32.334 MeV] (A_Ru:361)
98Ru44 + 10 D* --> 76Se34 + 42Ca20 + 156.932 MeV [32.451 MeV] (A_Ru:362)
98Ru44 + 10 D* --> 78Se34 + 40Ca20 + 155.005 MeV [30.525 MeV] (A_Ru:363)
98Ru44 + 10 D* --> 79Br35 + 39K19 + 153.008 MeV [28.528 MeV] (A_Ru:364)
98Ru44 + 10 D* --> 78Kr36 + 40Ar18 + 152.352 MeV [27.872 MeV] (A_Ru:365)
98Ru44 + 10 D* --> 80Kr36 + 38Ar18 + 155.740 MeV [31.259 MeV] (A_Ru:366)
98Ru44 + 10 D* --> 82Kr36 + 36Ar18 + 153.954 MeV [29.473 MeV] (A_Ru:367)
98Ru44 + 10 D* --> 84Sr38 + 34S16 + 153.708 MeV [29.228 MeV] (A_Ru:368)
98Ru44 + 10 D* --> 86Sr38 + 32S16 + 153.672 MeV [29.192 MeV] (A_Ru:369)
98Ru44 + 10 D* --> 90Zr40 + 28Si14 + 153.393 MeV [28.912 MeV] (A_Ru:370)
98Ru44 + 10 D* --> 92Mo42 + 26Mg12 + 146.152 MeV [21.672 MeV] (A_Ru:371)
98Ru44 + 10 D* --> 94Mo42 + 24Mg12 + 145.476 MeV [20.996 MeV] (A_Ru:372)
98Ru44 + 10 D* --> 96Ru44 + 22Ne10 + 137.230 MeV [12.749 MeV] (A_Ru:373)
98Ru44 + 10 D* --> 98Ru44 + 20Ne10 + 138.399 MeV [13.919 MeV] (A_Ru:374)
98Ru44 + 10 D* --> 102Pd46 + 16O8 + 135.795 MeV [11.314 MeV] (A_Ru:375)
98Ru44 + 10 D* --> 106Cd48 + 12C6 + 130.265 MeV [5.785 MeV] (A_Ru:376)

98Ru44 + 11 D* --> 61Ni28 + 59Co27 + 182.718 MeV [43.985 MeV] (A_Ru:377)
98Ru44 + 11 D* --> 63Cu29 + 57Fe26 + 182.028 MeV [43.296 MeV] (A_Ru:378)
98Ru44 + 11 D* --> 70Ge32 + 50V23 + 176.053 MeV [37.321 MeV] (A_Ru:379)
98Ru44 + 11 D* --> 80Kr36 + 40K19 + 167.696 MeV [28.964 MeV] (A_Ru:380)
98Ru44 + 11 D* --> 106Cd48 + 14N7 + 140.538 MeV [1.805 MeV] (A_Ru:381)

98Ru44 + 12 D* --> 61Ni28 + 61Ni28 + 197.846 MeV [44.546 MeV] (A_Ru:382)
98Ru44 + 12 D* --> 62Ni28 + 60Ni28 + 200.622 MeV [47.322 MeV] (A_Ru:383)
98Ru44 + 12 D* --> 64Ni28 + 58Ni28 + 196.731 MeV [43.431 MeV] (A_Ru:384)
98Ru44 + 12 D* --> 63Cu29 + 59Co27 + 197.212 MeV [43.912 MeV] (A_Ru:385)
98Ru44 + 12 D* --> 64Zn30 + 58Fe26 + 197.561 MeV [44.261 MeV] (A_Ru:386)
98Ru44 + 12 D* --> 66Zn30 + 56Fe26 + 198.909 MeV [45.609 MeV] (A_Ru:387)
98Ru44 + 12 D* --> 68Zn30 + 54Fe26 + 195.664 MeV [42.364 MeV] (A_Ru:388)
98Ru44 + 12 D* --> 70Ge32 + 52Cr24 + 195.384 MeV [42.084 MeV] (A_Ru:389)
98Ru44 + 12 D* --> 72Ge32 + 50Cr24 + 192.250 MeV [38.949 MeV] (A_Ru:390)
98Ru44 + 12 D* --> 74Se34 + 48Ti22 + 190.105 MeV [36.804 MeV] (A_Ru:391)
98Ru44 + 12 D* --> 76Se34 + 46Ti22 + 188.780 MeV [35.479 MeV] (A_Ru:392)
98Ru44 + 12 D* --> 78Kr36 + 44Ca20 + 185.052 MeV [31.752 MeV] (A_Ru:393)
98Ru44 + 12 D* --> 80Kr36 + 42Ca20 + 185.844 MeV [32.543 MeV] (A_Ru:394)
98Ru44 + 12 D* --> 82Kr36 + 40Ca20 + 184.840 MeV [31.540 MeV] (A_Ru:395)
98Ru44 + 12 D* --> 84Sr38 + 38Ar18 + 184.763 MeV [31.462 MeV] (A_Ru:396)
98Ru44 + 12 D* --> 86Sr38 + 36Ar18 + 184.159 MeV [30.859 MeV] (A_Ru:397)
98Ru44 + 12 D* --> 90Zr40 + 32S16 + 184.187 MeV [30.887 MeV] (A_Ru:398)

98Ru44 + 12 D* --> 92Mo42 + 30Si14 + 180.642 MeV [27.342 MeV] (A_Ru:399)
98Ru44 + 12 D* --> 94Mo42 + 28Si14 + 179.307 MeV [26.006 MeV] (A_Ru:400)
98Ru44 + 12 D* --> 96Ru44 + 26Mg12 + 171.691 MeV [18.390 MeV] (A_Ru:401)
98Ru44 + 12 D* --> 98Ru44 + 24Mg12 + 171.562 MeV [18.262 MeV] (A_Ru:402)
98Ru44 + 12 D* --> 102Pd46 + 20Ne10 + 164.371 MeV [11.071 MeV] (A_Ru:403)
98Ru44 + 12 D* --> 106Cd48 + 16O8 + 161.274 MeV [7.973 MeV] (A_Ru:404)

99Ru44 + D* --> 51V23 + 50Ti22 + 29.147 MeV [18.263 MeV] (A_Ru:405)
99Ru44 + D* --> 55Mn25 + 46Ca20 + 26.364 MeV [15.480 MeV] (A_Ru:406)
99Ru44 + D* --> 64Ni28 + 37Cl17 + 24.380 MeV [13.495 MeV] (A_Ru:407)
99Ru44 + D* --> 65Cu29 + 36S16 + 23.446 MeV [12.562 MeV] (A_Ru:408)
99Ru44 + D* --> 70Zn30 + 31P15 + 19.524 MeV [8.640 MeV] (A_Ru:409)
99Ru44 + D* --> 71Ga31 + 30Si14 + 20.092 MeV [9.208 MeV] (A_Ru:410)
99Ru44 + D* --> 74Ge32 + 27Al13 + 16.138 MeV [5.254 MeV] (A_Ru:411)
99Ru44 + D* --> 75As33 + 26Mg12 + 14.766 MeV [3.882 MeV] (A_Ru:412)
99Ru44 + D* --> 78Se34 + 23Na11 + 12.075 MeV [1.190 MeV] (A_Ru:413)
99Ru44 + D* --> 79Br35 + 22Ne10 + 9.612 MeV [-1.272 MeV] (A_Ru:414)
99Ru44 + D* --> 81Br35 + 20Ne10 + 10.536 MeV [-0.349 MeV] (A_Ru:415)
99Ru44 + D* --> 82Kr36 + 19F9 + 7.596 MeV [-3.289 MeV] (A_Ru:416)
99Ru44 + D* --> 85Rb37 + 16O8 + 12.423 MeV [1.539 MeV] (A_Ru:417)
99Ru44 + D* --> 86Sr38 + 15N7 + 9.941 MeV [-0.943 MeV] (A_Ru:418)
99Ru44 + D* --> 87Sr38 + 14N7 + 7.536 MeV [-3.348 MeV] (A_Ru:419)
99Ru44 + D* --> 89Y39 + 12C6 + 13.220 MeV [2.336 MeV] (A_Ru:420)
99Ru44 + D* --> 90Zr40 + 11B5 + 5.618 MeV [-5.266 MeV] (A_Ru:421)
99Ru44 + D* --> 91Zr40 + 10B5 + 1.358 MeV [-9.526 MeV] (A_Ru:422)
99Ru44 + D* --> 100Ru44 + 1H1 + 7.449 MeV [-3.435 MeV] (A_Ru:423)

99Ru44 + 2 D* --> 53Cr24 + 50Ti22 + 45.366 MeV [23.248 MeV] (A_Ru:424)
99Ru44 + 2 D* --> 54Cr24 + 49Ti22 + 44.146 MeV [22.028 MeV] (A_Ru:425)
99Ru44 + 2 D* --> 57Fe26 + 46Ca20 + 41.970 MeV [19.852 MeV] (A_Ru:426)
99Ru44 + 2 D* --> 67Zn30 + 36S16 + 37.199 MeV [15.081 MeV] (A_Ru:427)
99Ru44 + 2 D* --> 70Zn30 + 33S16 + 34.805 MeV [12.687 MeV] (A_Ru:428)
99Ru44 + 2 D* --> 73Ge32 + 30Si14 + 34.385 MeV [12.267 MeV] (A_Ru:429)
99Ru44 + 2 D* --> 74Ge32 + 29Si14 + 33.972 MeV [11.854 MeV] (A_Ru:430)
99Ru44 + 2 D* --> 77Se34 + 26Mg12 + 29.469 MeV [7.350 MeV] (A_Ru:431)
99Ru44 + 2 D* --> 78Se34 + 25Mg12 + 28.873 MeV [6.755 MeV] (A_Ru:432)
99Ru44 + 2 D* --> 82Kr36 + 21Ne10 + 24.976 MeV [2.858 MeV] (A_Ru:433)
99Ru44 + 2 D* --> 83Kr36 + 20Ne10 + 25.678 MeV [3.560 MeV] (A_Ru:434)
99Ru44 + 2 D* --> 86Sr38 + 17O8 + 23.987 MeV [1.869 MeV] (A_Ru:435)
99Ru44 + 2 D* --> 87Sr38 + 16O8 + 28.272 MeV [6.154 MeV] (A_Ru:436)
99Ru44 + 2 D* --> 89Y39 + 14N7 + 23.493 MeV [1.375 MeV] (A_Ru:437)
99Ru44 + 2 D* --> 90Zr40 + 13C6 + 24.297 MeV [2.179 MeV] (A_Ru:438)
99Ru44 + 2 D* --> 91Zr40 + 12C6 + 26.545 MeV [4.427 MeV] (A_Ru:439)
99Ru44 + 2 D* --> 93Nb41 + 10B5 + 13.812 MeV [-8.306 MeV] (A_Ru:440)
99Ru44 + 2 D* --> 94Mo42 + 9Be4 + 15.717 MeV [-6.402 MeV] (A_Ru:441)
99Ru44 + 2 D* --> 99Ru44 + 4He2 + 23.847 MeV [1.728 MeV] (A_Ru:442)
99Ru44 + 2 D* --> 100Ru44 + 3He2 + 12.942 MeV [-9.176 MeV] (A_Ru:443)

99Ru44 + 3 D* --> 54Cr24 + 51V23 + 60.924 MeV [27.226 MeV] (A_Ru:444)
99Ru44 + 3 D* --> 55Mn25 + 50Ti22 + 60.927 MeV [27.230 MeV] (A_Ru:445)
99Ru44 + 3 D* --> 59Co27 + 46Ca20 + 57.154 MeV [23.456 MeV] (A_Ru:446)
99Ru44 + 3 D* --> 64Ni28 + 41K19 + 54.449 MeV [20.751 MeV] (A_Ru:447)
99Ru44 + 3 D* --> 65Cu29 + 40Ar18 + 54.094 MeV [20.396 MeV] (A_Ru:448)
99Ru44 + 3 D* --> 68Zn30 + 37Cl17 + 53.559 MeV [19.861 MeV] (A_Ru:449)

99Ru44 + 3 D* --> 70Zn30 + 35Cl17 + 50.368 MeV [16.671 MeV] (A_Ru:450)
99Ru44 + 3 D* --> 69Ga31 + 36S16 + 51.782 MeV [18.084 MeV] (A_Ru:451)
99Ru44 + 3 D* --> 71Ga31 + 34S16 + 51.862 MeV [18.164 MeV] (A_Ru:452)
99Ru44 + 3 D* --> 74Ge32 + 31P15 + 49.654 MeV [15.956 MeV] (A_Ru:453)
99Ru44 + 3 D* --> 75As33 + 30Si14 + 49.256 MeV [15.558 MeV] (A_Ru:454)
99Ru44 + 3 D* --> 78Se34 + 27Al13 + 46.013 MeV [12.315 MeV] (A_Ru:455)
99Ru44 + 3 D* --> 79Br35 + 26Mg12 + 44.073 MeV [10.375 MeV] (A_Ru:456)
99Ru44 + 3 D* --> 81Br35 + 24Mg12 + 43.699 MeV [10.001 MeV] (A_Ru:457)
99Ru44 + 3 D* --> 82Kr36 + 23Na11 + 41.910 MeV [8.212 MeV] (A_Ru:458)
99Ru44 + 3 D* --> 85Rb37 + 20Ne10 + 40.999 MeV [7.302 MeV] (A_Ru:459)
99Ru44 + 3 D* --> 86Sr38 + 19F9 + 37.801 MeV [4.103 MeV] (A_Ru:460)
99Ru44 + 3 D* --> 89Y39 + 16O8 + 44.229 MeV [10.531 MeV] (A_Ru:461)
99Ru44 + 3 D* --> 90Zr40 + 15N7 + 40.456 MeV [6.758 MeV] (A_Ru:462)
99Ru44 + 3 D* --> 91Zr40 + 14N7 + 36.817 MeV [3.119 MeV] (A_Ru:463)
99Ru44 + 3 D* --> 93Nb41 + 12C6 + 38.998 MeV [5.301 MeV] (A_Ru:464)
99Ru44 + 3 D* --> 94Mo42 + 11B5 + 31.532 MeV [-2.166 MeV] (A_Ru:465)
99Ru44 + 3 D* --> 95Mo42 + 10B5 + 27.447 MeV [-6.251 MeV] (A_Ru:466)
99Ru44 + 3 D* --> 98Ru44 + 7Li3 + 25.107 MeV [-8.591 MeV] (A_Ru:467)
99Ru44 + 3 D* --> 99Ru44 + 6Li3 + 25.320 MeV [-8.377 MeV] (A_Ru:468)
99Ru44 + 3 D* --> 104Pd46 + 1H1 + 33.891 MeV [00.193 MeV] (A_Ru:469)

99Ru44 + 4 D* --> 54Cr24 + 53Cr24 + 77.143 MeV [31.524 MeV] (A_Ru:470)
99Ru44 + 4 D* --> 57Fe26 + 50Ti22 + 76.533 MeV [30.913 MeV] (A_Ru:471)
99Ru44 + 4 D* --> 58Fe26 + 49Ti22 + 75.638 MeV [30.019 MeV] (A_Ru:472)
99Ru44 + 4 D* --> 61Ni28 + 46Ca20 + 72.282 MeV [26.663 MeV] (A_Ru:473)
99Ru44 + 4 D* --> 64Ni28 + 43Ca20 + 70.434 MeV [24.814 MeV] (A_Ru:474)
99Ru44 + 4 D* --> 67Zn30 + 40Ar18 + 67.846 MeV [22.227 MeV] (A_Ru:475)
99Ru44 + 4 D* --> 73Ge32 + 34S16 + 66.155 MeV [20.536 MeV] (A_Ru:476)
99Ru44 + 4 D* --> 74Ge32 + 33S16 + 64.934 MeV [19.315 MeV] (A_Ru:477)
99Ru44 + 4 D* --> 77Se34 + 30Si14 + 63.958 MeV [18.339 MeV] (A_Ru:478)
99Ru44 + 4 D* --> 78Se34 + 29Si14 + 63.847 MeV [18.228 MeV] (A_Ru:479)
99Ru44 + 4 D* --> 82Kr36 + 25Mg12 + 58.708 MeV [13.089 MeV] (A_Ru:480)
99Ru44 + 4 D* --> 83Kr36 + 24Mg12 + 58.841 MeV [13.222 MeV] (A_Ru:481)
99Ru44 + 4 D* --> 86Sr38 + 21Ne10 + 55.181 MeV [9.562 MeV] (A_Ru:482)
99Ru44 + 4 D* --> 87Sr38 + 20Ne10 + 56.848 MeV [11.229 MeV] (A_Ru:483)
99Ru44 + 4 D* --> 90Zr40 + 17O8 + 54.502 MeV [8.883 MeV] (A_Ru:484)
99Ru44 + 4 D* --> 91Zr40 + 16O8 + 57.553 MeV [11.934 MeV] (A_Ru:485)
99Ru44 + 4 D* --> 93Nb41 + 14N7 + 49.271 MeV [3.651 MeV] (A_Ru:486)
99Ru44 + 4 D* --> 94Mo42 + 13C6 + 50.211 MeV [4.591 MeV] (A_Ru:487)
99Ru44 + 4 D* --> 95Mo42 + 12C6 + 52.633 MeV [7.014 MeV] (A_Ru:488)
99Ru44 + 4 D* --> 98Ru44 + 9Be4 + 41.803 MeV [-3.817 MeV] (A_Ru:489)
99Ru44 + 4 D* --> 104Pd46 + 3He2 + 39.385 MeV [-6.235 MeV] (A_Ru:490)

99Ru44 + 5 D* --> 55Mn25 + 54Cr24 + 92.705 MeV [34.826 MeV] (A_Ru:491)
99Ru44 + 5 D* --> 58Fe26 + 51V23 + 92.416 MeV [34.537 MeV] (A_Ru:492)
99Ru44 + 5 D* --> 59Co27 + 50Ti22 + 91.717 MeV [33.838 MeV] (A_Ru:493)
99Ru44 + 5 D* --> 64Ni28 + 45Sc21 + 86.229 MeV [28.350 MeV] (A_Ru:494)
99Ru44 + 5 D* --> 63Cu29 + 46Ca20 + 86.776 MeV [28.897 MeV] (A_Ru:495)
99Ru44 + 5 D* --> 65Cu29 + 44Ca20 + 86.794 MeV [28.915 MeV] (A_Ru:496)
99Ru44 + 5 D* --> 68Zn30 + 41K19 + 83.628 MeV [25.749 MeV] (A_Ru:497)
99Ru44 + 5 D* --> 70Zn30 + 39K19 + 81.433 MeV [23.554 MeV] (A_Ru:498)
99Ru44 + 5 D* --> 69Ga31 + 40Ar18 + 82.429 MeV [24.550 MeV] (A_Ru:499)
99Ru44 + 5 D* --> 71Ga31 + 38Ar18 + 82.916 MeV [25.037 MeV] (A_Ru:500)
99Ru44 + 5 D* --> 72Ge32 + 37Cl17 + 82.409 MeV [24.530 MeV] (A_Ru:501)

99Ru44 + 5 D* --> 74Ge32 + 35Cl17 + 80.498 MeV [22.619 MeV] (A_Ru:502)
99Ru44 + 5 D* --> 75As33 + 34S16 + 81.026 MeV [23.147 MeV] (A_Ru:503)
99Ru44 + 5 D* --> 78Se34 + 31P15 + 79.529 MeV [21.650 MeV] (A_Ru:504)
99Ru44 + 5 D* --> 79Br35 + 30Si14 + 78.563 MeV [20.684 MeV] (A_Ru:505)
99Ru44 + 5 D* --> 81Br35 + 28Si14 + 77.529 MeV [19.650 MeV] (A_Ru:506)
99Ru44 + 5 D* --> 82Kr36 + 27Al13 + 75.848 MeV [17.969 MeV] (A_Ru:507)
99Ru44 + 5 D* --> 85Rb37 + 24Mg12 + 74.163 MeV [16.283 MeV] (A_Ru:508)
99Ru44 + 5 D* --> 86Sr38 + 23Na11 + 72.115 MeV [14.236 MeV] (A_Ru:509)
99Ru44 + 5 D* --> 89Y39 + 20Ne10 + 72.805 MeV [14.926 MeV] (A_Ru:510)
99Ru44 + 5 D* --> 90Zr40 + 19F9 + 68.316 MeV [10.437 MeV] (A_Ru:511)
99Ru44 + 5 D* --> 93Nb41 + 16O8 + 70.007 MeV [12.128 MeV] (A_Ru:512)
99Ru44 + 5 D* --> 94Mo42 + 15N7 + 66.370 MeV [8.491 MeV] (A_Ru:513)
99Ru44 + 5 D* --> 95Mo42 + 14N7 + 62.906 MeV [5.027 MeV] (A_Ru:514)
99Ru44 + 5 D* --> 98Ru44 + 11B5 + 57.618 MeV [-0.261 MeV] (A_Ru:515)
99Ru44 + 5 D* --> 99Ru44 + 10B5 + 53.628 MeV [-4.251 MeV] (A_Ru:516)
99Ru44 + 5 D* --> 102Pd46 + 7Li3 + 51.079 MeV [-6.801 MeV] (A_Ru:517)
99Ru44 + 5 D* --> 108Cd48 + 1H1 + 60.025 MeV [2.146 MeV] (A_Ru:518)

99Ru44 + 6 D* --> 57Fe26 + 54Cr24 + 108.310 MeV [37.837 MeV] (A_Ru:519)
99Ru44 + 6 D* --> 58Fe26 + 53Cr24 + 108.636 MeV [38.162 MeV] (A_Ru:520)
99Ru44 + 6 D* --> 61Ni28 + 50Ti22 + 106.845 MeV [36.371 MeV] (A_Ru:521)
99Ru44 + 6 D* --> 62Ni28 + 49Ti22 + 106.502 MeV [36.029 MeV] (A_Ru:522)
99Ru44 + 6 D* --> 64Ni28 + 47Ti22 + 103.229 MeV [32.756 MeV] (A_Ru:523)
99Ru44 + 6 D* --> 67Zn30 + 44Ca20 + 100.546 MeV [30.073 MeV] (A_Ru:524)
99Ru44 + 6 D* --> 68Zn30 + 43Ca20 + 99.613 MeV [29.140 MeV] (A_Ru:525)
99Ru44 + 6 D* --> 71Ga31 + 40K19 + 94.873 MeV [24.399 MeV] (A_Ru:526)
99Ru44 + 6 D* --> 73Ge32 + 38Ar18 + 97.209 MeV [26.736 MeV] (A_Ru:527)
99Ru44 + 6 D* --> 77Se34 + 34S16 + 95.729 MeV [25.255 MeV] (A_Ru:528)
99Ru44 + 6 D* --> 78Se34 + 33S16 + 94.809 MeV [24.336 MeV] (A_Ru:529)
99Ru44 + 6 D* --> 82Kr36 + 29Si14 + 93.682 MeV [23.208 MeV] (A_Ru:530)
99Ru44 + 6 D* --> 83Kr36 + 28Si14 + 92.672 MeV [22.198 MeV] (A_Ru:531)
99Ru44 + 6 D* --> 86Sr38 + 25Mg12 + 88.914 MeV [18.440 MeV] (A_Ru:532)
99Ru44 + 6 D* --> 87Sr38 + 24Mg12 + 90.011 MeV [19.538 MeV] (A_Ru:533)
99Ru44 + 6 D* --> 90Zr40 + 21Ne10 + 85.696 MeV [15.223 MeV] (A_Ru:534)
99Ru44 + 6 D* --> 91Zr40 + 20Ne10 + 86.130 MeV [15.656 MeV] (A_Ru:535)
99Ru44 + 6 D* --> 94Mo42 + 17O8 + 80.416 MeV [9.942 MeV] (A_Ru:536)
99Ru44 + 6 D* --> 95Mo42 + 16O8 + 83.642 MeV [13.168 MeV] (A_Ru:537)
99Ru44 + 6 D* --> 98Ru44 + 13C6 + 76.297 MeV [5.823 MeV] (A_Ru:538)
99Ru44 + 6 D* --> 99Ru44 + 12C6 + 78.814 MeV [8.341 MeV] (A_Ru:539)
99Ru44 + 6 D* --> 102Pd46 + 9Be4 + 67.775 MeV [-2.699 MeV] (A_Ru:540)
99Ru44 + 6 D* --> 108Cd48 + 3He2 + 65.518 MeV [-4.955 MeV] (A_Ru:541)

99Ru44 + 7 D* --> 58Fe26 + 55Mn25 + 124.197 MeV [40.798 MeV] (A_Ru:542)
99Ru44 + 7 D* --> 59Co27 + 54Cr24 + 123.494 MeV [40.095 MeV] (A_Ru:543)
99Ru44 + 7 D* --> 62Ni28 + 51V23 + 123.281 MeV [39.882 MeV] (A_Ru:544)
99Ru44 + 7 D* --> 63Cu29 + 50Ti22 + 121.339 MeV [37.940 MeV] (A_Ru:545)
99Ru44 + 7 D* --> 65Cu29 + 48Ti22 + 120.084 MeV [36.685 MeV] (A_Ru:546)
99Ru44 + 7 D* --> 68Zn30 + 45Sc21 + 115.408 MeV [32.009 MeV] (A_Ru:547)
99Ru44 + 7 D* --> 69Ga31 + 44Ca20 + 115.129 MeV [31.730 MeV] (A_Ru:548)
99Ru44 + 7 D* --> 71Ga31 + 42Ca20 + 113.020 MeV [29.621 MeV] (A_Ru:549)
99Ru44 + 7 D* --> 72Ge32 + 41K19 + 112.478 MeV [29.079 MeV] (A_Ru:550)
99Ru44 + 7 D* --> 73Ge32 + 40K19 + 109.166 MeV [25.767 MeV] (A_Ru:551)
99Ru44 + 7 D* --> 74Ge32 + 39K19 + 111.563 MeV [28.163 MeV] (A_Ru:552)
99Ru44 + 7 D* --> 75As33 + 38Ar18 + 112.080 MeV [28.681 MeV] (A_Ru:553)

99Ru44 + 7 D* --> 76Se34 + 37Cl17 + 111.347 MeV [27.948 MeV] (A_Ru:554)
99Ru44 + 7 D* --> 78Se34 + 35Cl17 + 110.373 MeV [26.974 MeV] (A_Ru:555)
99Ru44 + 7 D* --> 79Br35 + 34S16 + 110.333 MeV [26.934 MeV] (A_Ru:556)
99Ru44 + 7 D* --> 81Br35 + 32S16 + 108.324 MeV [24.925 MeV] (A_Ru:557)
99Ru44 + 7 D* --> 82Kr36 + 31P15 + 109.363 MeV [25.964 MeV] (A_Ru:558)
99Ru44 + 7 D* --> 85Rb37 + 28Si14 + 107.993 MeV [24.594 MeV] (A_Ru:559)
99Ru44 + 7 D* --> 86Sr38 + 27Al13 + 106.053 MeV [22.654 MeV] (A_Ru:560)
99Ru44 + 7 D* --> 89Y39 + 24Mg12 + 105.968 MeV [22.569 MeV] (A_Ru:561)
99Ru44 + 7 D* --> 90Zr40 + 23Na11 + 102.630 MeV [19.231 MeV] (A_Ru:562)
99Ru44 + 7 D* --> 93Nb41 + 20Ne10 + 98.583 MeV [15.184 MeV] (A_Ru:563)
99Ru44 + 7 D* --> 94Mo42 + 19F9 + 94.230 MeV [10.831 MeV] (A_Ru:564)
99Ru44 + 7 D* --> 98Ru44 + 15N7 + 92.456 MeV [9.057 MeV] (A_Ru:565)
99Ru44 + 7 D* --> 99Ru44 + 14N7 + 89.087 MeV [5.688 MeV] (A_Ru:566)
99Ru44 + 7 D* --> 102Pd46 + 11B5 + 83.590 MeV [00.191 MeV] (A_Ru:567)
99Ru44 + 7 D* --> 106Cd48 + 7Li3 + 76.557 MeV [-6.842 MeV] (A_Ru:568)
99Ru44 + 7 D* --> 112Sn50 + 1H1 + 85.705 MeV [2.306 MeV] (A_Ru:569)

99Ru44 + 8 D* --> 58Fe26 + 57Fe26 + 139.802 MeV [43.150 MeV] (A_Ru:570)
99Ru44 + 8 D* --> 61Ni28 + 54Cr24 + 138.622 MeV [41.970 MeV] (A_Ru:571)
99Ru44 + 8 D* --> 62Ni28 + 53Cr24 + 139.500 MeV [42.847 MeV] (A_Ru:572)
99Ru44 + 8 D* --> 65Cu29 + 50V23 + 133.954 MeV [37.301 MeV] (A_Ru:573)
99Ru44 + 8 D* --> 66Zn30 + 49Ti22 + 134.927 MeV [38.274 MeV] (A_Ru:574)
99Ru44 + 8 D* --> 67Zn30 + 48Ti22 + 133.837 MeV [37.184 MeV] (A_Ru:575)
99Ru44 + 8 D* --> 68Zn30 + 47Ti22 + 132.408 MeV [35.756 MeV] (A_Ru:576)
99Ru44 + 8 D* --> 72Ge32 + 43Ca20 + 128.463 MeV [31.811 MeV] (A_Ru:577)
99Ru44 + 8 D* --> 73Ge32 + 42Ca20 + 127.313 MeV [30.661 MeV] (A_Ru:578)
99Ru44 + 8 D* --> 75As33 + 40K19 + 124.036 MeV [27.384 MeV] (A_Ru:579)
99Ru44 + 8 D* --> 77Se34 + 38Ar18 + 126.783 MeV [30.130 MeV] (A_Ru:580)
99Ru44 + 8 D* --> 82Kr36 + 33S16 + 124.644 MeV [27.992 MeV] (A_Ru:581)
99Ru44 + 8 D* --> 83Kr36 + 32S16 + 123.466 MeV [26.814 MeV] (A_Ru:582)
99Ru44 + 8 D* --> 86Sr38 + 29Si14 + 123.887 MeV [27.235 MeV] (A_Ru:583)
99Ru44 + 8 D* --> 87Sr38 + 28Si14 + 123.842 MeV [27.189 MeV] (A_Ru:584)
99Ru44 + 8 D* --> 90Zr40 + 25Mg12 + 119.429 MeV [22.776 MeV] (A_Ru:585)
99Ru44 + 8 D* --> 91Zr40 + 24Mg12 + 119.293 MeV [22.640 MeV] (A_Ru:586)
99Ru44 + 8 D* --> 94Mo42 + 21Ne10 + 111.610 MeV [14.958 MeV] (A_Ru:587)
99Ru44 + 8 D* --> 95Mo42 + 20Ne10 + 112.218 MeV [15.566 MeV] (A_Ru:588)
99Ru44 + 8 D* --> 98Ru44 + 17O8 + 106.502 MeV [9.850 MeV] (A_Ru:589)
99Ru44 + 8 D* --> 99Ru44 + 16O8 + 109.823 MeV [13.170 MeV] (A_Ru:590)
99Ru44 + 8 D* --> 102Pd46 + 13C6 + 102.269 MeV [5.616 MeV] (A_Ru:591)
99Ru44 + 8 D* --> 106Cd48 + 9Be4 + 93.254 MeV [-3.399 MeV] (A_Ru:592)
99Ru44 + 8 D* --> 112Sn50 + 3He2 + 91.199 MeV [-5.454 MeV] (A_Ru:593)

99Ru44 + 9 D* --> 59Co27 + 58Fe26 + 154.986 MeV [44.756 MeV] (A_Ru:594)
99Ru44 + 9 D* --> 62Ni28 + 55Mn25 + 155.061 MeV [44.830 MeV] (A_Ru:595)
99Ru44 + 9 D* --> 63Cu29 + 54Cr24 + 153.117 MeV [42.886 MeV] (A_Ru:596)
99Ru44 + 9 D* --> 65Cu29 + 52Cr24 + 153.285 MeV [43.054 MeV] (A_Ru:597)
99Ru44 + 9 D* --> 66Zn30 + 51V23 + 151.705 MeV [41.475 MeV] (A_Ru:598)
99Ru44 + 9 D* --> 67Zn30 + 50V23 + 147.707 MeV [37.476 MeV] (A_Ru:599)
99Ru44 + 9 D* --> 69Ga31 + 48Ti22 + 148.420 MeV [38.189 MeV] (A_Ru:600)
99Ru44 + 9 D* --> 71Ga31 + 46Ti22 + 144.868 MeV [34.637 MeV] (A_Ru:601)
99Ru44 + 9 D* --> 72Ge32 + 45Sc21 + 144.258 MeV [34.027 MeV] (A_Ru:602)
99Ru44 + 9 D* --> 75As33 + 42Ca20 + 142.184 MeV [31.953 MeV] (A_Ru:603)
99Ru44 + 9 D* --> 76Se34 + 41K19 + 141.416 MeV [31.185 MeV] (A_Ru:604)
99Ru44 + 9 D* --> 77Se34 + 40K19 + 138.739 MeV [28.508 MeV] (A_Ru:605)

99Ru44 + 9 D* --> 78Se34 + 39K19 + 141.438 MeV [31.207 MeV] (A_Ru:606)
99Ru44 + 9 D* --> 79Br35 + 38Ar18 + 141.388 MeV [31.157 MeV] (A_Ru:607)
99Ru44 + 9 D* --> 81Br35 + 36Ar18 + 138.811 MeV [28.580 MeV] (A_Ru:608)
99Ru44 + 9 D* --> 80Kr36 + 37Cl17 + 140.259 MeV [30.028 MeV] (A_Ru:609)
99Ru44 + 9 D* --> 82Kr36 + 35Cl17 + 140.208 MeV [29.977 MeV] (A_Ru:610)
99Ru44 + 9 D* --> 85Rb37 + 32S16 + 138.788 MeV [28.557 MeV] (A_Ru:611)
99Ru44 + 9 D* --> 86Sr38 + 31P15 + 139.569 MeV [29.338 MeV] (A_Ru:612)
99Ru44 + 9 D* --> 89Y39 + 28Si14 + 139.799 MeV [29.568 MeV] (A_Ru:613)
99Ru44 + 9 D* --> 90Zr40 + 27Al13 + 136.568 MeV [26.338 MeV] (A_Ru:614)
99Ru44 + 9 D* --> 93Nb41 + 24Mg12 + 131.746 MeV [21.516 MeV] (A_Ru:615)
99Ru44 + 9 D* --> 94Mo42 + 23Na11 + 128.544 MeV [18.313 MeV] (A_Ru:616)
99Ru44 + 9 D* --> 98Ru44 + 19F9 + 120.316 MeV [10.086 MeV] (A_Ru:617)
99Ru44 + 9 D* --> 102Pd46 + 15N7 + 118.428 MeV [8.197 MeV] (A_Ru:618)
99Ru44 + 9 D* --> 106Cd48 + 11B5 + 109.069 MeV [-1.162 MeV] (A_Ru:619)

99Ru44 + 10 D* --> 61Ni28 + 58Fe26 + 170.115 MeV [45.984 MeV] (A_Ru:620)
99Ru44 + 10 D* --> 62Ni28 + 57Fe26 + 170.666 MeV [46.536 MeV] (A_Ru:621)
99Ru44 + 10 D* --> 66Zn30 + 53Cr24 + 167.924 MeV [43.794 MeV] (A_Ru:622)
99Ru44 + 10 D* --> 67Zn30 + 52Cr24 + 167.038 MeV [42.907 MeV] (A_Ru:623)
99Ru44 + 10 D* --> 69Ga31 + 50V23 + 162.290 MeV [38.159 MeV] (A_Ru:624)
99Ru44 + 10 D* --> 70Ge32 + 49Ti22 + 162.862 MeV [38.731 MeV] (A_Ru:625)
99Ru44 + 10 D* --> 72Ge32 + 47Ti22 + 161.259 MeV [37.128 MeV] (A_Ru:626)
99Ru44 + 10 D* --> 73Ge32 + 46Ti22 + 159.161 MeV [35.030 MeV] (A_Ru:627)
99Ru44 + 10 D* --> 76Se34 + 43Ca20 + 157.401 MeV [33.270 MeV] (A_Ru:628)
99Ru44 + 10 D* --> 77Se34 + 42Ca20 + 156.887 MeV [32.756 MeV] (A_Ru:629)
99Ru44 + 10 D* --> 79Br35 + 40K19 + 153.344 MeV [29.213 MeV] (A_Ru:630)
99Ru44 + 10 D* --> 83Kr36 + 36Ar18 + 153.953 MeV [29.823 MeV] (A_Ru:631)
99Ru44 + 10 D* --> 86Sr38 + 33S16 + 154.850 MeV [30.719 MeV] (A_Ru:632)
99Ru44 + 10 D* --> 87Sr38 + 32S16 + 154.636 MeV [30.506 MeV] (A_Ru:633)
99Ru44 + 10 D* --> 90Zr40 + 29Si14 + 154.403 MeV [30.272 MeV] (A_Ru:634)
99Ru44 + 10 D* --> 91Zr40 + 28Si14 + 153.123 MeV [28.993 MeV] (A_Ru:635)
99Ru44 + 10 D* --> 94Mo42 + 25Mg12 + 145.343 MeV [21.212 MeV] (A_Ru:636)
99Ru44 + 10 D* --> 95Mo42 + 24Mg12 + 145.381 MeV [21.251 MeV] (A_Ru:637)
99Ru44 + 10 D* --> 98Ru44 + 21Ne10 + 137.696 MeV [13.566 MeV] (A_Ru:638)
99Ru44 + 10 D* --> 99Ru44 + 20Ne10 + 138.399 MeV [14.268 MeV] (A_Ru:639)
99Ru44 + 10 D* --> 102Pd46 + 17O8 + 132.474 MeV [8.343 MeV] (A_Ru:640)
99Ru44 + 10 D* --> 106Cd48 + 13C6 + 127.748 MeV [3.617 MeV] (A_Ru:641)

99Ru44 + 11 D* --> 62Ni28 + 59Co27 + 185.850 MeV [47.501 MeV] (A_Ru:642)
99Ru44 + 11 D* --> 63Cu29 + 58Fe26 + 184.609 MeV [46.260 MeV] (A_Ru:643)
99Ru44 + 11 D* --> 65Cu29 + 56Fe26 + 184.745 MeV [46.396 MeV] (A_Ru:644)
99Ru44 + 11 D* --> 66Zn30 + 55Mn25 + 183.486 MeV [45.137 MeV] (A_Ru:645)
99Ru44 + 11 D* --> 69Ga31 + 52Cr24 + 181.621 MeV [43.271 MeV] (A_Ru:646)
99Ru44 + 11 D* --> 71Ga31 + 50Cr24 + 177.276 MeV [38.926 MeV] (A_Ru:647)
99Ru44 + 11 D* --> 70Ge32 + 51V23 + 179.640 MeV [41.291 MeV] (A_Ru:648)
99Ru44 + 11 D* --> 75As33 + 46Ti22 + 174.032 MeV [35.682 MeV] (A_Ru:649)
99Ru44 + 11 D* --> 76Se34 + 45Sc21 + 173.196 MeV [34.846 MeV] (A_Ru:650)
99Ru44 + 11 D* --> 79Br35 + 42Ca20 + 171.492 MeV [33.142 MeV] (A_Ru:651)
99Ru44 + 11 D* --> 81Br35 + 40Ca20 + 169.697 MeV [31.348 MeV] (A_Ru:652)
99Ru44 + 11 D* --> 80Kr36 + 41K19 + 170.328 MeV [31.978 MeV] (A_Ru:653)
99Ru44 + 11 D* --> 82Kr36 + 39K19 + 171.272 MeV [32.923 MeV] (A_Ru:654)
99Ru44 + 11 D* --> 85Rb37 + 36Ar18 + 169.275 MeV [30.925 MeV] (A_Ru:655)
99Ru44 + 11 D* --> 84Sr38 + 37Cl17 + 169.281 MeV [30.932 MeV] (A_Ru:656)
99Ru44 + 11 D* --> 86Sr38 + 35Cl17 + 170.413 MeV [32.064 MeV] (A_Ru:657)

99Ru44 + 11 D* --> 89Y39 + 32S16 + 170.593 MeV [32.244 MeV] (A_Ru:658)
99Ru44 + 11 D* --> 90Zr40 + 31P15 + 170.084 MeV [31.735 MeV] (A_Ru:659)
99Ru44 + 11 D* --> 93Nb41 + 28Si14 + 165.577 MeV [27.228 MeV] (A_Ru:660)
99Ru44 + 11 D* --> 94Mo42 + 27Al13 + 162.482 MeV [24.133 MeV] (A_Ru:661)
99Ru44 + 11 D* --> 98Ru44 + 23Na11 + 154.630 MeV [16.281 MeV] (A_Ru:662)
99Ru44 + 11 D* --> 102Pd46 + 19F9 + 146.288 MeV [7.939 MeV] (A_Ru:663)
99Ru44 + 11 D* --> 106Cd48 + 15N7 + 143.907 MeV [5.558 MeV] (A_Ru:664)

99Ru44 + 12 D* --> 62Ni28 + 61Ni28 + 200.979 MeV [48.095 MeV] (A_Ru:665)
99Ru44 + 12 D* --> 66Zn30 + 57Fe26 + 199.091 MeV [46.207 MeV] (A_Ru:666)
99Ru44 + 12 D* --> 67Zn30 + 56Fe26 + 198.497 MeV [45.614 MeV] (A_Ru:667)
99Ru44 + 12 D* --> 70Ge32 + 53Cr24 + 195.860 MeV [42.976 MeV] (A_Ru:668)
99Ru44 + 12 D* --> 73Ge32 + 50Cr24 + 191.569 MeV [38.685 MeV] (A_Ru:669)
99Ru44 + 12 D* --> 74Se34 + 49Ti22 + 190.783 MeV [37.899 MeV] (A_Ru:670)
99Ru44 + 12 D* --> 76Se34 + 47Ti22 + 190.196 MeV [37.312 MeV] (A_Ru:671)
99Ru44 + 12 D* --> 77Se34 + 46Ti22 + 188.735 MeV [35.851 MeV] (A_Ru:672)
99Ru44 + 12 D* --> 80Kr36 + 43Ca20 + 186.313 MeV [33.429 MeV] (A_Ru:673)
99Ru44 + 12 D* --> 83Kr36 + 40Ca20 + 184.840 MeV [31.956 MeV] (A_Ru:674)
99Ru44 + 12 D* --> 87Sr38 + 36Ar18 + 185.124 MeV [32.240 MeV] (A_Ru:675)
99Ru44 + 12 D* --> 90Zr40 + 33S16 + 185.365 MeV [32.481 MeV] (A_Ru:676)
99Ru44 + 12 D* --> 91Zr40 + 32S16 + 183.918 MeV [31.034 MeV] (A_Ru:677)
99Ru44 + 12 D* --> 94Mo42 + 29Si14 + 180.316 MeV [27.433 MeV] (A_Ru:678)
99Ru44 + 12 D* --> 95Mo42 + 28Si14 + 179.212 MeV [26.328 MeV] (A_Ru:679)
99Ru44 + 12 D* --> 98Ru44 + 25Mg12 + 171.429 MeV [18.545 MeV] (A_Ru:680)
99Ru44 + 12 D* --> 99Ru44 + 24Mg12 + 171.562 MeV [18.678 MeV] (A_Ru:681)
99Ru44 + 12 D* --> 102Pd46 + 21Ne10 + 163.669 MeV [10.785 MeV] (A_Ru:682)
99Ru44 + 12 D* --> 106Cd48 + 17O8 + 157.953 MeV [5.069 MeV] (A_Ru:683)

100Ru44 + D* --> 81Br35 + 21Ne10 + 7.623 MeV [-3.225 MeV] (A_Ru:684)
100Ru44 + D* --> 83Kr36 + 19F9 + 5.386 MeV [-5.463 MeV] (A_Ru:685)
100Ru44 + D* --> 85Rb37 + 17O8 + 6.893 MeV [-3.956 MeV] (A_Ru:686)
100Ru44 + D* --> 87Sr38 + 15N7 + 8.696 MeV [-2.153 MeV] (A_Ru:687)
100Ru44 + D* --> 88Sr38 + 14N7 + 8.975 MeV [-1.873 MeV] (A_Ru:688)
100Ru44 + D* --> 89Y39 + 13C6 + 8.493 MeV [-2.355 MeV] (A_Ru:689)
100Ru44 + D* --> 91Zr40 + 11B5 + 3.139 MeV [-7.709 MeV] (A_Ru:690)
100Ru44 + D* --> 92Zr40 + 10B5 + 00.320 MeV [-10.529 MeV] (A_Ru:691)
100Ru44 + D* --> 101Ru44 + 1H1 + 4.577 MeV [-6.271 MeV] (A_Ru:692)

100Ru44 + 2 D* --> 54Cr24 + 50Ti22 + 45.412 MeV [23.365 MeV] (A_Ru:693)
100Ru44 + 2 D* --> 56Fe26 + 48Ca20 + 41.872 MeV [19.825 MeV] (A_Ru:694)
100Ru44 + 2 D* --> 58Fe26 + 46Ca20 + 42.341 MeV [20.294 MeV] (A_Ru:695)
100Ru44 + 2 D* --> 64Ni28 + 40Ar18 + 39.192 MeV [17.145 MeV] (A_Ru:696)
100Ru44 + 2 D* --> 68Zn30 + 36S16 + 37.724 MeV [15.677 MeV] (A_Ru:697)
100Ru44 + 2 D* --> 70Zn30 + 34S16 + 36.549 MeV [14.502 MeV] (A_Ru:698)
100Ru44 + 2 D* --> 74Ge32 + 30Si14 + 34.908 MeV [12.861 MeV] (A_Ru:699)
100Ru44 + 2 D* --> 76Ge32 + 28Si14 + 31.758 MeV [9.711 MeV] (A_Ru:700)
100Ru44 + 2 D* --> 78Se34 + 26Mg12 + 30.293 MeV [8.246 MeV] (A_Ru:701)
100Ru44 + 2 D* --> 80Se34 + 24Mg12 + 28.746 MeV [6.699 MeV] (A_Ru:702)
100Ru44 + 2 D* --> 81Br35 + 23Na11 + 24.557 MeV [2.510 MeV] (A_Ru:703)
100Ru44 + 2 D* --> 82Kr36 + 22Ne10 + 25.667 MeV [3.620 MeV] (A_Ru:704)
100Ru44 + 2 D* --> 83Kr36 + 21Ne10 + 22.766 MeV [00.719 MeV] (A_Ru:705)
100Ru44 + 2 D* --> 84Kr36 + 20Ne10 + 26.525 MeV [4.478 MeV] (A_Ru:706)
100Ru44 + 2 D* --> 85Rb37 + 19F9 + 20.707 MeV [-1.340 MeV] (A_Ru:707)
100Ru44 + 2 D* --> 86Sr38 + 18O8 + 22.358 MeV [00.311 MeV] (A_Ru:708)

100Ru44 + 2 D* --> 87Sr38 + 17O8 + 22.742 MeV [00.695 MeV] (A_Ru:709)
100Ru44 + 2 D* --> 88Sr38 + 16O8 + 29.711 MeV [7.664 MeV] (A_Ru:710)
100Ru44 + 2 D* --> 89Y39 + 15N7 + 24.653 MeV [2.606 MeV] (A_Ru:711)
100Ru44 + 2 D* --> 91Zr40 + 13C6 + 21.818 MeV [-0.229 MeV] (A_Ru:712)
100Ru44 + 2 D* --> 92Zr40 + 12C6 + 25.506 MeV [3.459 MeV] (A_Ru:713)
100Ru44 + 2 D* --> 93Nb41 + 11B5 + 15.593 MeV [-6.454 MeV] (A_Ru:714)
100Ru44 + 2 D* --> 95Mo42 + 9Be4 + 13.412 MeV [-8.635 MeV] (A_Ru:715)
100Ru44 + 2 D* --> 100Ru44 + 4He2 + 23.847 MeV [1.799 MeV] (A_Ru:716)
100Ru44 + 2 D* --> 101Ru44 + 3He2 + 10.071 MeV [-11.976 MeV] (A_Ru:717)
100Ru44 + 2 D* --> 103Rh45 + 1H1 + 17.786 MeV [-4.261 MeV] (A_Ru:718)
100Ru44 + 2 D* --> 104Pd46 + 26.443 MeV [4.395 MeV] (A_Ru:719)

100Ru44 + 3 D* --> 81Br35 + 25Mg12 + 41.356 MeV [7.764 MeV] (A_Ru:720)
100Ru44 + 3 D* --> 83Kr36 + 23Na11 + 39.700 MeV [6.108 MeV] (A_Ru:721)
100Ru44 + 3 D* --> 85Rb37 + 21Ne10 + 38.087 MeV [4.496 MeV] (A_Ru:722)
100Ru44 + 3 D* --> 87Sr38 + 19F9 + 36.556 MeV [2.964 MeV] (A_Ru:723)
100Ru44 + 3 D* --> 89Y39 + 17O8 + 38.699 MeV [5.107 MeV] (A_Ru:724)
100Ru44 + 3 D* --> 91Zr40 + 15N7 + 37.977 MeV [4.386 MeV] (A_Ru:725)
100Ru44 + 3 D* --> 92Zr40 + 14N7 + 35.779 MeV [2.187 MeV] (A_Ru:726)
100Ru44 + 3 D* --> 93Nb41 + 13C6 + 34.271 MeV [00.680 MeV] (A_Ru:727)
100Ru44 + 3 D* --> 95Mo42 + 11B5 + 29.228 MeV [-4.364 MeV] (A_Ru:728)
100Ru44 + 3 D* --> 96Mo42 + 10B5 + 26.928 MeV [-6.664 MeV] (A_Ru:729)
100Ru44 + 3 D* --> 99Ru44 + 7Li3 + 22.897 MeV [-10.694 MeV] (A_Ru:730)
100Ru44 + 3 D* --> 100Ru44 + 6Li3 + 25.320 MeV [-8.271 MeV] (A_Ru:731)
100Ru44 + 3 D* --> 103Rh45 + 3He2 + 23.279 MeV [-10.312 MeV] (A_Ru:732)
100Ru44 + 3 D* --> 104Pd46 + 2H1 + 26.443 MeV [-7.149 MeV] (A_Ru:733)
100Ru44 + 3 D* --> 105Pd46 + 1H1 + 31.312 MeV [-2.279 MeV] (A_Ru:734)

100Ru44 + 4 D* --> 54Cr24 + 54Cr24 + 77.189 MeV [31.711 MeV] (A_Ru:735)
100Ru44 + 4 D* --> 58Fe26 + 50Ti22 + 76.904 MeV [31.426 MeV] (A_Ru:736)
100Ru44 + 4 D* --> 60Ni28 + 48Ca20 + 72.010 MeV [26.532 MeV] (A_Ru:737)
100Ru44 + 4 D* --> 62Ni28 + 46Ca20 + 73.205 MeV [27.727 MeV] (A_Ru:738)
100Ru44 + 4 D* --> 64Ni28 + 44Ca20 + 71.892 MeV [26.414 MeV] (A_Ru:739)
100Ru44 + 4 D* --> 68Zn30 + 40Ar18 + 68.371 MeV [22.893 MeV] (A_Ru:740)
100Ru44 + 4 D* --> 70Zn30 + 38Ar18 + 67.603 MeV [22.125 MeV] (A_Ru:741)
100Ru44 + 4 D* --> 71Ga31 + 37Cl17 + 65.226 MeV [19.748 MeV] (A_Ru:742)
100Ru44 + 4 D* --> 72Ge32 + 36S16 + 66.574 MeV [21.096 MeV] (A_Ru:743)
100Ru44 + 4 D* --> 74Ge32 + 34S16 + 66.678 MeV [21.200 MeV] (A_Ru:744)
100Ru44 + 4 D* --> 76Ge32 + 32S16 + 62.553 MeV [17.075 MeV] (A_Ru:745)
100Ru44 + 4 D* --> 78Se34 + 30Si14 + 64.783 MeV [19.305 MeV] (A_Ru:746)
100Ru44 + 4 D* --> 80Se34 + 28Si14 + 62.577 MeV [17.099 MeV] (A_Ru:747)
100Ru44 + 4 D* --> 81Br35 + 27Al13 + 58.495 MeV [13.017 MeV] (A_Ru:748)
100Ru44 + 4 D* --> 82Kr36 + 26Mg12 + 60.128 MeV [14.650 MeV] (A_Ru:749)
100Ru44 + 4 D* --> 83Kr36 + 25Mg12 + 56.498 MeV [11.020 MeV] (A_Ru:750)
100Ru44 + 4 D* --> 84Kr36 + 24Mg12 + 59.688 MeV [14.210 MeV] (A_Ru:751)
100Ru44 + 4 D* --> 85Rb37 + 23Na11 + 55.021 MeV [9.543 MeV] (A_Ru:752)
100Ru44 + 4 D* --> 86Sr38 + 22Ne10 + 55.872 MeV [10.394 MeV] (A_Ru:753)
100Ru44 + 4 D* --> 87Sr38 + 21Ne10 + 53.936 MeV [8.458 MeV] (A_Ru:754)
100Ru44 + 4 D* --> 88Sr38 + 20Ne10 + 58.288 MeV [12.809 MeV] (A_Ru:755)
100Ru44 + 4 D* --> 89Y39 + 19F9 + 52.513 MeV [7.035 MeV] (A_Ru:756)
100Ru44 + 4 D* --> 90Zr40 + 18O8 + 52.873 MeV [7.395 MeV] (A_Ru:757)
100Ru44 + 4 D* --> 91Zr40 + 17O8 + 52.023 MeV [6.545 MeV] (A_Ru:758)
100Ru44 + 4 D* --> 92Zr40 + 16O8 + 56.515 MeV [11.037 MeV] (A_Ru:759)
100Ru44 + 4 D* --> 93Nb41 + 15N7 + 50.431 MeV [4.953 MeV] (A_Ru:760)

100Ru44 + 4 D* --> 95Mo42 + 13C6 + 47.906 MeV [2.428 MeV] (A_Ru:761)
100Ru44 + 4 D* --> 96Mo42 + 12C6 + 52.114 MeV [6.636 MeV] (A_Ru:762)
100Ru44 + 4 D* --> 99Ru44 + 9Be4 + 39.593 MeV [-5.885 MeV] (A_Ru:763)
100Ru44 + 4 D* --> 104Pd46 + 4He2 + 50.289 MeV [4.811 MeV] (A_Ru:764)
100Ru44 + 4 D* --> 105Pd46 + 3He2 + 36.806 MeV [-8.673 MeV] (A_Ru:765)
100Ru44 + 4 D* --> 107Ag47 + 1H1 + 44.437 MeV [-1.041 MeV] (A_Ru:766)
100Ru44 + 4 D* --> 108Cd48 + 52.576 MeV [7.098 MeV] (A_Ru:767)

100Ru44 + 5 D* --> 70Zn30 + 40K19 + 79.559 MeV [21.856 MeV] (A_Ru:768)
100Ru44 + 5 D* --> 73Ge32 + 37Cl17 + 79.519 MeV [21.816 MeV] (A_Ru:769)
100Ru44 + 5 D* --> 81Br35 + 29Si14 + 76.330 MeV [18.626 MeV] (A_Ru:770)
100Ru44 + 5 D* --> 83Kr36 + 27Al13 + 73.638 MeV [15.935 MeV] (A_Ru:771)
100Ru44 + 5 D* --> 85Rb37 + 25Mg12 + 71.820 MeV [14.117 MeV] (A_Ru:772)
100Ru44 + 5 D* --> 87Sr38 + 23Na11 + 70.870 MeV [13.167 MeV] (A_Ru:773)
100Ru44 + 5 D* --> 89Y39 + 21Ne10 + 69.893 MeV [12.190 MeV] (A_Ru:774)
100Ru44 + 5 D* --> 91Zr40 + 19F9 + 65.837 MeV [8.134 MeV] (A_Ru:775)
100Ru44 + 5 D* --> 93Nb41 + 17O8 + 64.477 MeV [6.774 MeV] (A_Ru:776)
100Ru44 + 5 D* --> 95Mo42 + 15N7 + 64.066 MeV [6.363 MeV] (A_Ru:777)
100Ru44 + 5 D* --> 96Mo42 + 14N7 + 62.387 MeV [4.684 MeV] (A_Ru:778)
100Ru44 + 5 D* --> 99Ru44 + 11B5 + 55.409 MeV [-2.294 MeV] (A_Ru:779)
100Ru44 + 5 D* --> 100Ru44 + 10B5 + 53.628 MeV [-4.075 MeV] (A_Ru:780)
100Ru44 + 5 D* --> 104Pd46 + 6Li3 + 51.763 MeV [-5.940 MeV] (A_Ru:781)
100Ru44 + 5 D* --> 107Ag47 + 3He2 + 49.930 MeV [-7.773 MeV] (A_Ru:782)
100Ru44 + 5 D* --> 108Cd48 + 2H1 + 52.576 MeV [-5.127 MeV] (A_Ru:783)

100Ru44 + 6 D* --> 58Fe26 + 54Cr24 + 108.681 MeV [38.418 MeV] (A_Ru:784)
100Ru44 + 6 D* --> 62Ni28 + 50Ti22 + 107.768 MeV [37.505 MeV] (A_Ru:785)
100Ru44 + 6 D* --> 64Ni28 + 48Ti22 + 105.182 MeV [34.919 MeV] (A_Ru:786)
100Ru44 + 6 D* --> 64Zn30 + 48Ca20 + 99.813 MeV [29.550 MeV] (A_Ru:787)
100Ru44 + 6 D* --> 66Zn30 + 46Ca20 + 101.630 MeV [31.367 MeV] (A_Ru:788)
100Ru44 + 6 D* --> 68Zn30 + 44Ca20 + 101.071 MeV [30.808 MeV] (A_Ru:789)
100Ru44 + 6 D* --> 70Zn30 + 42Ca20 + 97.707 MeV [27.444 MeV] (A_Ru:790)
100Ru44 + 6 D* --> 71Ga31 + 41K19 + 95.295 MeV [25.032 MeV] (A_Ru:791)
100Ru44 + 6 D* --> 72Ge32 + 40Ar18 + 97.221 MeV [26.958 MeV] (A_Ru:792)
100Ru44 + 6 D* --> 74Ge32 + 38Ar18 + 97.732 MeV [27.469 MeV] (A_Ru:793)
100Ru44 + 6 D* --> 76Ge32 + 36Ar18 + 93.040 MeV [22.777 MeV] (A_Ru:794)
100Ru44 + 6 D* --> 75As33 + 37Cl17 + 94.389 MeV [24.126 MeV] (A_Ru:795)
100Ru44 + 6 D* --> 76Se34 + 36S16 + 95.511 MeV [25.248 MeV] (A_Ru:796)
100Ru44 + 6 D* --> 78Se34 + 34S16 + 96.553 MeV [26.290 MeV] (A_Ru:797)
100Ru44 + 6 D* --> 80Se34 + 32S16 + 93.371 MeV [23.108 MeV] (A_Ru:798)
100Ru44 + 6 D* --> 81Br35 + 31P15 + 92.011 MeV [21.748 MeV] (A_Ru:799)
100Ru44 + 6 D* --> 82Kr36 + 30Si14 + 94.618 MeV [24.355 MeV] (A_Ru:800)
100Ru44 + 6 D* --> 83Kr36 + 29Si14 + 91.472 MeV [21.209 MeV] (A_Ru:801)
100Ru44 + 6 D* --> 84Kr36 + 28Si14 + 93.519 MeV [23.256 MeV] (A_Ru:802)
100Ru44 + 6 D* --> 85Rb37 + 27Al13 + 88.959 MeV [18.696 MeV] (A_Ru:803)
100Ru44 + 6 D* --> 86Sr38 + 26Mg12 + 90.334 MeV [20.070 MeV] (A_Ru:804)
100Ru44 + 6 D* --> 87Sr38 + 25Mg12 + 87.669 MeV [17.406 MeV] (A_Ru:805)
100Ru44 + 6 D* --> 88Sr38 + 24Mg12 + 91.451 MeV [21.188 MeV] (A_Ru:806)
100Ru44 + 6 D* --> 89Y39 + 23Na11 + 86.827 MeV [16.564 MeV] (A_Ru:807)
100Ru44 + 6 D* --> 90Zr40 + 22Ne10 + 86.387 MeV [16.124 MeV] (A_Ru:808)
100Ru44 + 6 D* --> 91Zr40 + 21Ne10 + 83.218 MeV [12.954 MeV] (A_Ru:809)
100Ru44 + 6 D* --> 92Zr40 + 20Ne10 + 85.091 MeV [14.828 MeV] (A_Ru:810)
100Ru44 + 6 D* --> 93Nb41 + 19F9 + 78.291 MeV [8.028 MeV] (A_Ru:811)
100Ru44 + 6 D* --> 94Mo42 + 18O8 + 78.787 MeV [8.524 MeV] (A_Ru:812)

100Ru44 + 6 D* --> 95Mo42 + 17O8 + 78.112 MeV [7.849 MeV] (A_Ru:813)
100Ru44 + 6 D* --> 96Mo42 + 16O8 + 83.123 MeV [12.860 MeV] (A_Ru:814)
100Ru44 + 6 D* --> 99Ru44 + 13C6 + 74.087 MeV [3.824 MeV] (A_Ru:815)
100Ru44 + 6 D* --> 100Ru44 + 12C6 + 78.814 MeV [8.551 MeV] (A_Ru:816)
100Ru44 + 6 D* --> 108Cd48 + 4He2 + 76.423 MeV [6.160 MeV] (A_Ru:817)
100Ru44 + 6 D* --> 112Sn50 + 78.257 MeV [7.994 MeV] (A_Ru:818)

100Ru44 + 7 D* --> 64Ni28 + 50V23 + 119.052 MeV [35.897 MeV] (A_Ru:819)
100Ru44 + 7 D* --> 65Cu29 + 49Ti22 + 118.554 MeV [35.399 MeV] (A_Ru:820)
100Ru44 + 7 D* --> 71Ga31 + 43Ca20 + 111.280 MeV [28.125 MeV] (A_Ru:821)
100Ru44 + 7 D* --> 73Ge32 + 41K19 + 109.588 MeV [26.433 MeV] (A_Ru:822)
100Ru44 + 7 D* --> 74Ge32 + 40K19 + 109.689 MeV [26.534 MeV] (A_Ru:823)
100Ru44 + 7 D* --> 77Se34 + 37Cl17 + 109.092 MeV [25.938 MeV] (A_Ru:824)
100Ru44 + 7 D* --> 81Br35 + 33S16 + 107.292 MeV [24.137 MeV] (A_Ru:825)
100Ru44 + 7 D* --> 83Kr36 + 31P15 + 107.154 MeV [23.999 MeV] (A_Ru:826)
100Ru44 + 7 D* --> 85Rb37 + 29Si14 + 106.793 MeV [23.639 MeV] (A_Ru:827)
100Ru44 + 7 D* --> 87Sr38 + 27Al13 + 104.808 MeV [21.654 MeV] (A_Ru:828)
100Ru44 + 7 D* --> 89Y39 + 25Mg12 + 103.626 MeV [20.471 MeV] (A_Ru:829)
100Ru44 + 7 D* --> 91Zr40 + 23Na11 + 100.151 MeV [16.997 MeV] (A_Ru:830)
100Ru44 + 7 D* --> 93Nb41 + 21Ne10 + 95.671 MeV [12.517 MeV] (A_Ru:831)
100Ru44 + 7 D* --> 95Mo42 + 19F9 + 91.926 MeV [8.771 MeV] (A_Ru:832)
100Ru44 + 7 D* --> 99Ru44 + 15N7 + 90.247 MeV [7.092 MeV] (A_Ru:833)
100Ru44 + 7 D* --> 100Ru44 + 14N7 + 89.087 MeV [5.932 MeV] (A_Ru:834)
100Ru44 + 7 D* --> 104Pd46 + 10B5 + 80.070 MeV [-3.084 MeV] (A_Ru:835)
100Ru44 + 7 D* --> 108Cd48 + 6Li3 + 77.897 MeV [-5.258 MeV] (A_Ru:836)
100Ru44 + 7 D* --> 112Sn50 + 2H1 + 78.257 MeV [-4.898 MeV] (A_Ru:837)

100Ru44 + 8 D* --> 58Fe26 + 58Fe26 + 140.174 MeV [43.800 MeV] (A_Ru:838)
100Ru44 + 8 D* --> 62Ni28 + 54Cr24 + 139.545 MeV [43.171 MeV] (A_Ru:839)
100Ru44 + 8 D* --> 64Ni28 + 52Cr24 + 138.383 MeV [42.009 MeV] (A_Ru:840)
100Ru44 + 8 D* --> 65Cu29 + 51V23 + 135.332 MeV [38.958 MeV] (A_Ru:841)
100Ru44 + 8 D* --> 66Zn30 + 50Ti22 + 136.193 MeV [39.819 MeV] (A_Ru:842)
100Ru44 + 8 D* --> 67Zn30 + 49Ti22 + 132.306 MeV [35.932 MeV] (A_Ru:843)
100Ru44 + 8 D* --> 68Zn30 + 48Ti22 + 134.362 MeV [37.988 MeV] (A_Ru:844)
100Ru44 + 8 D* --> 70Zn30 + 46Ti22 + 129.555 MeV [33.181 MeV] (A_Ru:845)
100Ru44 + 8 D* --> 71Ga31 + 45Sc21 + 127.075 MeV [30.701 MeV] (A_Ru:846)
100Ru44 + 8 D* --> 70Ge32 + 46Ca20 + 129.565 MeV [33.191 MeV] (A_Ru:847)
100Ru44 + 8 D* --> 72Ge32 + 44Ca20 + 129.921 MeV [33.547 MeV] (A_Ru:848)
100Ru44 + 8 D* --> 73Ge32 + 43Ca20 + 125.573 MeV [29.199 MeV] (A_Ru:849)
100Ru44 + 8 D* --> 74Ge32 + 42Ca20 + 127.836 MeV [31.462 MeV] (A_Ru:850)
100Ru44 + 8 D* --> 76Ge32 + 40Ca20 + 123.926 MeV [27.552 MeV] (A_Ru:851)
100Ru44 + 8 D* --> 75As33 + 41K19 + 124.458 MeV [28.084 MeV] (A_Ru:852)
100Ru44 + 8 D* --> 76Se34 + 40Ar18 + 126.159 MeV [29.785 MeV] (A_Ru:853)
100Ru44 + 8 D* --> 78Se34 + 38Ar18 + 127.607 MeV [31.233 MeV] (A_Ru:854)
100Ru44 + 8 D* --> 80Se34 + 36Ar18 + 123.858 MeV [27.484 MeV] (A_Ru:855)
100Ru44 + 8 D* --> 79Br35 + 37Cl17 + 123.697 MeV [27.323 MeV] (A_Ru:856)
100Ru44 + 8 D* --> 81Br35 + 35Cl17 + 122.855 MeV [26.481 MeV] (A_Ru:857)
100Ru44 + 8 D* --> 80Kr36 + 36S16 + 124.423 MeV [28.049 MeV] (A_Ru:858)
100Ru44 + 8 D* --> 82Kr36 + 34S16 + 126.388 MeV [30.014 MeV] (A_Ru:859)
100Ru44 + 8 D* --> 83Kr36 + 33S16 + 122.434 MeV [26.060 MeV] (A_Ru:860)
100Ru44 + 8 D* --> 84Kr36 + 32S16 + 124.313 MeV [27.939 MeV] (A_Ru:861)
100Ru44 + 8 D* --> 85Rb37 + 31P15 + 122.475 MeV [26.101 MeV] (A_Ru:862)
100Ru44 + 8 D* --> 86Sr38 + 30Si14 + 124.823 MeV [28.449 MeV] (A_Ru:863)
100Ru44 + 8 D* --> 87Sr38 + 29Si14 + 122.642 MeV [26.268 MeV] (A_Ru:864)

100Ru44 + 8 D* --> 88Sr38 + 28Si14 + 125.281 MeV [28.907 MeV] (A_Ru:865)
100Ru44 + 8 D* --> 89Y39 + 27Al13 + 120.765 MeV [24.391 MeV] (A_Ru:866)
100Ru44 + 8 D* --> 90Zr40 + 26Mg12 + 120.849 MeV [24.475 MeV] (A_Ru:867)
100Ru44 + 8 D* --> 91Zr40 + 25Mg12 + 116.950 MeV [20.576 MeV] (A_Ru:868)
100Ru44 + 8 D* --> 92Zr40 + 24Mg12 + 118.254 MeV [21.880 MeV] (A_Ru:869)
100Ru44 + 8 D* --> 93Nb41 + 23Na11 + 112.605 MeV [16.231 MeV] (A_Ru:870)
100Ru44 + 8 D* --> 94Mo42 + 22Ne10 + 112.301 MeV [15.927 MeV] (A_Ru:871)
100Ru44 + 8 D* --> 95Mo42 + 21Ne10 + 109.306 MeV [12.932 MeV] (A_Ru:872)
100Ru44 + 8 D* --> 96Mo42 + 20Ne10 + 111.699 MeV [15.325 MeV] (A_Ru:873)
100Ru44 + 8 D* --> 98Ru44 + 18O8 + 104.873 MeV [8.499 MeV] (A_Ru:874)
100Ru44 + 8 D* --> 99Ru44 + 17O8 + 104.293 MeV [7.919 MeV] (A_Ru:875)
100Ru44 + 8 D* --> 100Ru44 + 16O8 + 109.823 MeV [13.449 MeV] (A_Ru:876)
100Ru44 + 8 D* --> 104Pd46 + 12C6 + 105.257 MeV [8.883 MeV] (A_Ru:877)
100Ru44 + 8 D* --> 112Sn50 + 4He2 + 102.103 MeV [5.729 MeV] (A_Ru:878)

100Ru44 + 9 D* --> 65Cu29 + 53Cr24 + 151.551 MeV [41.632 MeV] (A_Ru:879)
100Ru44 + 9 D* --> 67Zn30 + 51V23 + 149.084 MeV [39.166 MeV] (A_Ru:880)
100Ru44 + 9 D* --> 68Zn30 + 50V23 + 148.231 MeV [38.313 MeV] (A_Ru:881)
100Ru44 + 9 D* --> 69Ga31 + 49Ti22 + 146.889 MeV [36.971 MeV] (A_Ru:882)
100Ru44 + 9 D* --> 71Ga31 + 47Ti22 + 144.075 MeV [34.157 MeV] (A_Ru:883)
100Ru44 + 9 D* --> 73Ge32 + 45Sc21 + 141.368 MeV [31.449 MeV] (A_Ru:884)
100Ru44 + 9 D* --> 75As33 + 43Ca20 + 140.444 MeV [30.525 MeV] (A_Ru:885)
100Ru44 + 9 D* --> 77Se34 + 41K19 + 139.161 MeV [29.243 MeV] (A_Ru:886)
100Ru44 + 9 D* --> 78Se34 + 40K19 + 139.564 MeV [29.645 MeV] (A_Ru:887)
100Ru44 + 9 D* --> 83Kr36 + 35Cl17 + 137.998 MeV [28.079 MeV] (A_Ru:888)
100Ru44 + 9 D* --> 85Rb37 + 33S16 + 137.756 MeV [27.837 MeV] (A_Ru:889)
100Ru44 + 9 D* --> 87Sr38 + 31P15 + 138.324 MeV [28.405 MeV] (A_Ru:890)
100Ru44 + 9 D* --> 89Y39 + 29Si14 + 138.599 MeV [28.681 MeV] (A_Ru:891)
100Ru44 + 9 D* --> 91Zr40 + 27Al13 + 134.090 MeV [24.171 MeV] (A_Ru:892)
100Ru44 + 9 D* --> 93Nb41 + 25Mg12 + 129.404 MeV [19.485 MeV] (A_Ru:893)
100Ru44 + 9 D* --> 95Mo42 + 23Na11 + 126.240 MeV [16.321 MeV] (A_Ru:894)
100Ru44 + 9 D* --> 99Ru44 + 19F9 + 118.107 MeV [8.188 MeV] (A_Ru:895)
100Ru44 + 9 D* --> 104Pd46 + 14N7 + 115.529 MeV [5.611 MeV] (A_Ru:896)
100Ru44 + 9 D* --> 108Cd48 + 10B5 + 106.204 MeV [-3.714 MeV] (A_Ru:897)
100Ru44 + 9 D* --> 112Sn50 + 6Li3 + 103.577 MeV [-6.342 MeV] (A_Ru:898)

100Ru44 + 10 D* --> 62Ni28 + 58Fe26 + 171.038 MeV [47.253 MeV] (A_Ru:899)
100Ru44 + 10 D* --> 64Ni28 + 56Fe26 + 169.843 MeV [46.058 MeV] (A_Ru:900)
100Ru44 + 10 D* --> 65Cu29 + 55Mn25 + 167.112 MeV [43.328 MeV] (A_Ru:901)
100Ru44 + 10 D* --> 66Zn30 + 54Cr24 + 167.970 MeV [44.185 MeV] (A_Ru:902)
100Ru44 + 10 D* --> 67Zn30 + 53Cr24 + 165.303 MeV [41.518 MeV] (A_Ru:903)
100Ru44 + 10 D* --> 68Zn30 + 52Cr24 + 167.562 MeV [43.777 MeV] (A_Ru:904)
100Ru44 + 10 D* --> 70Zn30 + 50Cr24 + 161.962 MeV [38.177 MeV] (A_Ru:905)
100Ru44 + 10 D* --> 69Ga31 + 51V23 + 163.667 MeV [39.882 MeV] (A_Ru:906)
100Ru44 + 10 D* --> 70Ge32 + 50Ti22 + 164.128 MeV [40.343 MeV] (A_Ru:907)
100Ru44 + 10 D* --> 72Ge32 + 48Ti22 + 163.212 MeV [39.427 MeV] (A_Ru:908)
100Ru44 + 10 D* --> 73Ge32 + 47Ti22 + 158.368 MeV [34.583 MeV] (A_Ru:909)
100Ru44 + 10 D* --> 74Ge32 + 46Ti22 + 159.684 MeV [35.899 MeV] (A_Ru:910)
100Ru44 + 10 D* --> 75As33 + 45Sc21 + 156.238 MeV [32.453 MeV] (A_Ru:911)
100Ru44 + 10 D* --> 74Se34 + 46Ca20 + 157.486 MeV [33.701 MeV] (A_Ru:912)
100Ru44 + 10 D* --> 76Se34 + 44Ca20 + 158.859 MeV [35.074 MeV] (A_Ru:913)
100Ru44 + 10 D* --> 77Se34 + 43Ca20 + 155.146 MeV [31.361 MeV] (A_Ru:914)
100Ru44 + 10 D* --> 78Se34 + 42Ca20 + 157.711 MeV [33.926 MeV] (A_Ru:915)
100Ru44 + 10 D* --> 80Se34 + 40Ca20 + 154.744 MeV [30.959 MeV] (A_Ru:916)

100Ru44 + 10 D* --> 79Br35 + 41K19 + 153.766 MeV [29.981 MeV] (A_Ru:917)
100Ru44 + 10 D* --> 81Br35 + 39K19 + 153.920 MeV [30.135 MeV] (A_Ru:918)
100Ru44 + 10 D* --> 80Kr36 + 40Ar18 + 155.071 MeV [31.286 MeV] (A_Ru:919)
100Ru44 + 10 D* --> 82Kr36 + 38Ar18 + 157.442 MeV [33.657 MeV] (A_Ru:920)
100Ru44 + 10 D* --> 84Kr36 + 36Ar18 + 154.801 MeV [31.016 MeV] (A_Ru:921)
100Ru44 + 10 D* --> 85Rb37 + 35Cl17 + 153.319 MeV [29.534 MeV] (A_Ru:922)
100Ru44 + 10 D* --> 84Sr38 + 36S16 + 153.446 MeV [29.661 MeV] (A_Ru:923)
100Ru44 + 10 D* --> 86Sr38 + 34S16 + 156.594 MeV [32.809 MeV] (A_Ru:924)
100Ru44 + 10 D* --> 87Sr38 + 33S16 + 153.605 MeV [29.820 MeV] (A_Ru:925)
100Ru44 + 10 D* --> 88Sr38 + 32S16 + 156.076 MeV [32.291 MeV] (A_Ru:926)
100Ru44 + 10 D* --> 89Y39 + 31P15 + 154.281 MeV [30.496 MeV] (A_Ru:927)
100Ru44 + 10 D* --> 90Zr40 + 30Si14 + 155.338 MeV [31.553 MeV] (A_Ru:928)
100Ru44 + 10 D* --> 91Zr40 + 29Si14 + 151.924 MeV [28.139 MeV] (A_Ru:929)
100Ru44 + 10 D* --> 92Zr40 + 28Si14 + 152.085 MeV [28.300 MeV] (A_Ru:930)
100Ru44 + 10 D* --> 93Nb41 + 27Al13 + 146.543 MeV [22.758 MeV] (A_Ru:931)
100Ru44 + 10 D* --> 94Mo42 + 26Mg12 + 146.763 MeV [22.978 MeV] (A_Ru:932)
100Ru44 + 10 D* --> 95Mo42 + 25Mg12 + 143.039 MeV [19.254 MeV] (A_Ru:933)
100Ru44 + 10 D* --> 96Mo42 + 24Mg12 + 144.862 MeV [21.077 MeV] (A_Ru:934)
100Ru44 + 10 D* --> 98Ru44 + 22Ne10 + 138.387 MeV [14.602 MeV] (A_Ru:935)
100Ru44 + 10 D* --> 99Ru44 + 21Ne10 + 135.487 MeV [11.702 MeV] (A_Ru:936)
100Ru44 + 10 D* --> 100Ru44 + 20Ne10 + 138.399 MeV [14.614 MeV] (A_Ru:937)
100Ru44 + 10 D* --> 102Pd46 + 18O8 + 130.845 MeV [7.060 MeV] (A_Ru:938)
100Ru44 + 10 D* --> 104Pd46 + 16O8 + 136.265 MeV [12.480 MeV] (A_Ru:939)
100Ru44 + 10 D* --> 108Cd48 + 12C6 + 131.391 MeV [7.606 MeV] (A_Ru:940)

100Ru44 + 11 D* --> 65Cu29 + 57Fe26 + 182.718 MeV [44.747 MeV] (A_Ru:941)
100Ru44 + 11 D* --> 67Zn30 + 55Mn25 + 180.865 MeV [42.895 MeV] (A_Ru:942)
100Ru44 + 11 D* --> 69Ga31 + 53Cr24 + 179.886 MeV [41.916 MeV] (A_Ru:943)
100Ru44 + 11 D* --> 72Ge32 + 50V23 + 177.081 MeV [39.111 MeV] (A_Ru:944)
100Ru44 + 11 D* --> 75As33 + 47Ti22 + 173.239 MeV [35.268 MeV] (A_Ru:945)
100Ru44 + 11 D* --> 77Se34 + 45Sc21 + 170.941 MeV [32.971 MeV] (A_Ru:946)
100Ru44 + 11 D* --> 79Br35 + 43Ca20 + 169.751 MeV [31.781 MeV] (A_Ru:947)
100Ru44 + 11 D* --> 82Kr36 + 40K19 + 169.399 MeV [31.428 MeV] (A_Ru:948)
100Ru44 + 11 D* --> 83Kr36 + 39K19 + 169.063 MeV [31.092 MeV] (A_Ru:949)
100Ru44 + 11 D* --> 87Sr38 + 35Cl17 + 169.168 MeV [31.198 MeV] (A_Ru:950)
100Ru44 + 11 D* --> 89Y39 + 33S16 + 169.562 MeV [31.591 MeV] (A_Ru:951)
100Ru44 + 11 D* --> 91Zr40 + 31P15 + 167.605 MeV [29.635 MeV] (A_Ru:952)
100Ru44 + 11 D* --> 93Nb41 + 29Si14 + 164.377 MeV [26.407 MeV] (A_Ru:953)
100Ru44 + 11 D* --> 95Mo42 + 27Al13 + 160.178 MeV [22.208 MeV] (A_Ru:954)
100Ru44 + 11 D* --> 99Ru44 + 23Na11 + 152.421 MeV [14.450 MeV] (A_Ru:955)
100Ru44 + 11 D* --> 108Cd48 + 14N7 + 141.663 MeV [3.693 MeV] (A_Ru:956)
100Ru44 + 11 D* --> 112Sn50 + 10B5 + 131.884 MeV [-6.086 MeV] (A_Ru:957)

100Ru44 + 12 D* --> 62Ni28 + 62Ni28 + 201.902 MeV [49.430 MeV] (A_Ru:958)
100Ru44 + 12 D* --> 64Ni28 + 60Ni28 + 199.981 MeV [47.509 MeV] (A_Ru:959)
100Ru44 + 12 D* --> 65Cu29 + 59Co27 + 197.902 MeV [45.430 MeV] (A_Ru:960)
100Ru44 + 12 D* --> 66Zn30 + 58Fe26 + 199.463 MeV [46.991 MeV] (A_Ru:961)
100Ru44 + 12 D* --> 67Zn30 + 57Fe26 + 196.470 MeV [43.999 MeV] (A_Ru:962)
100Ru44 + 12 D* --> 68Zn30 + 56Fe26 + 199.022 MeV [46.551 MeV] (A_Ru:963)
100Ru44 + 12 D* --> 70Zn30 + 54Fe26 + 194.227 MeV [41.755 MeV] (A_Ru:964)
100Ru44 + 12 D* --> 69Ga31 + 55Mn25 + 195.448 MeV [42.976 MeV] (A_Ru:965)
100Ru44 + 12 D* --> 70Ge32 + 54Cr24 + 195.905 MeV [43.434 MeV] (A_Ru:966)
100Ru44 + 12 D* --> 72Ge32 + 52Cr24 + 196.413 MeV [43.941 MeV] (A_Ru:967)
100Ru44 + 12 D* --> 74Ge32 + 50Cr24 + 192.092 MeV [39.620 MeV] (A_Ru:968)

100Ru44 + 12 D* --> 74Se34 + 50Ti22 + 192.049 MeV [39.577 MeV] (A_Ru:969)
100Ru44 + 12 D* --> 76Se34 + 48Ti22 + 192.149 MeV [39.678 MeV] (A_Ru:970)
100Ru44 + 12 D* --> 77Se34 + 47Ti22 + 187.942 MeV [35.470 MeV] (A_Ru:971)
100Ru44 + 12 D* --> 78Se34 + 46Ti22 + 189.559 MeV [37.088 MeV] (A_Ru:972)
100Ru44 + 12 D* --> 79Br35 + 45Sc21 + 185.546 MeV [33.074 MeV] (A_Ru:973)
100Ru44 + 12 D* --> 78Kr36 + 46Ca20 + 185.724 MeV [33.253 MeV] (A_Ru:974)
100Ru44 + 12 D* --> 80Kr36 + 44Ca20 + 187.771 MeV [35.299 MeV] (A_Ru:975)
100Ru44 + 12 D* --> 82Kr36 + 42Ca20 + 187.546 MeV [35.075 MeV] (A_Ru:976)
100Ru44 + 12 D* --> 84Kr36 + 40Ca20 + 185.687 MeV [33.215 MeV] (A_Ru:977)
100Ru44 + 12 D* --> 85Rb37 + 39K19 + 184.384 MeV [31.912 MeV] (A_Ru:978)
100Ru44 + 12 D* --> 84Sr38 + 40Ar18 + 184.093 MeV [31.622 MeV] (A_Ru:979)
100Ru44 + 12 D* --> 86Sr38 + 38Ar18 + 187.648 MeV [35.176 MeV] (A_Ru:980)
100Ru44 + 12 D* --> 88Sr38 + 36Ar18 + 186.563 MeV [34.091 MeV] (A_Ru:981)
100Ru44 + 12 D* --> 89Y39 + 35Cl17 + 185.125 MeV [32.653 MeV] (A_Ru:982)
100Ru44 + 12 D* --> 90Zr40 + 34S16 + 187.109 MeV [34.637 MeV] (A_Ru:983)
100Ru44 + 12 D* --> 91Zr40 + 33S16 + 182.886 MeV [30.414 MeV] (A_Ru:984)
100Ru44 + 12 D* --> 92Zr40 + 32S16 + 182.879 MeV [30.408 MeV] (A_Ru:985)
100Ru44 + 12 D* --> 93Nb41 + 31P15 + 180.059 MeV [27.587 MeV] (A_Ru:986)
100Ru44 + 12 D* --> 94Mo42 + 30Si14 + 181.252 MeV [28.781 MeV] (A_Ru:987)
100Ru44 + 12 D* --> 95Mo42 + 29Si14 + 178.012 MeV [25.541 MeV] (A_Ru:988)
100Ru44 + 12 D* --> 96Mo42 + 28Si14 + 178.693 MeV [26.221 MeV] (A_Ru:989)
100Ru44 + 12 D* --> 98Ru44 + 26Mg12 + 172.849 MeV [20.377 MeV] (A_Ru:990)
100Ru44 + 12 D* --> 99Ru44 + 25Mg12 + 169.219 MeV [16.748 MeV] (A_Ru:991)
100Ru44 + 12 D* --> 100Ru44 + 24Mg12 + 171.562 MeV [19.091 MeV] (A_Ru:992)
100Ru44 + 12 D* --> 102Pd46 + 22Ne10 + 164.359 MeV [11.888 MeV] (A_Ru:993)
100Ru44 + 12 D* --> 104Pd46 + 20Ne10 + 164.842 MeV [12.370 MeV] (A_Ru:994)
100Ru44 + 12 D* --> 106Cd48 + 18O8 + 156.324 MeV [3.852 MeV] (A_Ru:995)
100Ru44 + 12 D* --> 108Cd48 + 16O8 + 162.399 MeV [9.927 MeV] (A_Ru:996)
100Ru44 + 12 D* --> 112Sn50 + 12C6 + 157.071 MeV [4.599 MeV] (A_Ru:997)

101Ru44 + D* --> 55Mn25 + 48Ca20 + 27.111 MeV [16.297 MeV] (A_Ru:998)
101Ru44 + D* --> 76Ge32 + 27Al13 + 15.596 MeV [4.782 MeV] (A_Ru:999)
101Ru44 + D* --> 80Se34 + 23Na11 + 12.476 MeV [1.662 MeV]
(A_Ru:1000)
101Ru44 + D* --> 81Br35 + 22Ne10 + 11.186 MeV [00.372 MeV]
(A_Ru:1001)
101Ru44 + D* --> 84Kr36 + 19F9 + 9.104 MeV [-1.709 MeV]
(A_Ru:1002)
101Ru44 + D* --> 85Rb37 + 18O8 + 8.135 MeV [-2.678 MeV]
(A_Ru:1003)
101Ru44 + D* --> 87Rb37 + 16O8 + 14.521 MeV [3.707 MeV]
(A_Ru:1004)
101Ru44 + D* --> 88Sr38 + 15N7 + 13.006 MeV [2.193 MeV]
(A_Ru:1005)
101Ru44 + D* --> 92Zr40 + 11B5 + 4.972 MeV [-5.841 MeV]
(A_Ru:1006)
101Ru44 + D* --> 102Ru44 + 1H1 + 6.995 MeV [-3.818 MeV]
(A_Ru:1007)
101Ru44 + D* --> 103Rh45 + 13.208 MeV [2.395 MeV]
(A_Ru:1008)

101Ru44 + 2 D* --> 57Fe26 + 48Ca20 + 42.716 MeV [20.739 MeV]
(A_Ru:1009)
101Ru44 + 2 D* --> 76Ge32 + 29Si14 + 33.430 MeV [11.453 MeV]

(A_Ru:1010)
101Ru44 + 2 D* --> 80Se34 + 25Mg12 + 29.274 MeV [7.298 MeV]
(A_Ru:1011)
101Ru44 + 2 D* --> 83Kr36 + 22Ne10 + 26.328 MeV [4.351 MeV]
(A_Ru:1012)
101Ru44 + 2 D* --> 84Kr36 + 21Ne10 + 26.484 MeV [4.508 MeV]
(A_Ru:1013)
101Ru44 + 2 D* --> 87Sr38 + 18O8 + 23.984 MeV [2.007 MeV]
(A_Ru:1014)
101Ru44 + 2 D* --> 88Sr38 + 17O8 + 27.052 MeV [5.075 MeV]
(A_Ru:1015)
101Ru44 + 2 D* --> 92Zr40 + 13C6 + 23.651 MeV [1.674 MeV]
(A_Ru:1016)
101Ru44 + 2 D* --> 96Mo42 + 9Be4 + 15.765 MeV [-6.212 MeV]
(A_Ru:1017)
101Ru44 + 2 D* --> 101Ru44 + 4He2 + 23.847 MeV [1.870 MeV]
(A_Ru:1018)
101Ru44 + 2 D* --> 102Ru44 + 3He2 + 12.489 MeV [-9.488 MeV]
(A_Ru:1019)
101Ru44 + 2 D* --> 103Rh45 + 2H1 + 13.208 MeV [-8.769 MeV]
(A_Ru:1020)
101Ru44 + 2 D* --> 105Pd46 + 26.735 MeV [4.758 MeV]
(A_Ru:1021)

101Ru44 + 3 D* --> 59Co27 + 48Ca20 + 57.900 MeV [24.413 MeV]
(A_Ru:1022)
101Ru44 + 3 D* --> 70Zn30 + 37Cl17 + 52.784 MeV [19.297 MeV]
(A_Ru:1023)
101Ru44 + 3 D* --> 71Ga31 + 36S16 + 52.262 MeV [18.775 MeV]
(A_Ru:1024)
101Ru44 + 3 D* --> 76Ge32 + 31P15 + 49.111 MeV [15.625 MeV]
(A_Ru:1025)
101Ru44 + 3 D* --> 80Se34 + 27Al13 + 46.414 MeV [12.927 MeV]
(A_Ru:1026)
101Ru44 + 3 D* --> 81Br35 + 26Mg12 + 45.647 MeV [12.160 MeV]
(A_Ru:1027)
101Ru44 + 3 D* --> 84Kr36 + 23Na11 + 43.418 MeV [9.932 MeV]
(A_Ru:1028)
101Ru44 + 3 D* --> 85Rb37 + 22Ne10 + 41.649 MeV [8.163 MeV]
(A_Ru:1029)
101Ru44 + 3 D* --> 87Rb37 + 20Ne10 + 43.097 MeV [9.611 MeV]
(A_Ru:1030)
101Ru44 + 3 D* --> 88Sr38 + 19F9 + 40.867 MeV [7.380 MeV]
(A_Ru:1031)
101Ru44 + 3 D* --> 89Y39 + 18O8 + 39.941 MeV [6.454 MeV]
(A_Ru:1032)
101Ru44 + 3 D* --> 92Zr40 + 15N7 + 39.810 MeV [6.323 MeV]
(A_Ru:1033)
101Ru44 + 3 D* --> 96Mo42 + 11B5 + 31.580 MeV [-1.907 MeV]
(A_Ru:1034)
101Ru44 + 3 D* --> 97Mo42 + 10B5 + 26.947 MeV [-6.539 MeV]
(A_Ru:1035)
101Ru44 + 3 D* --> 100Ru44 + 7Li3 + 25.768 MeV [-7.718 MeV]
(A_Ru:1036)

101Ru44 + 3 D* --> 101Ru44 + 6Li3 + 25.320 MeV [-8.166 MeV]
(A_Ru:1037)
101Ru44 + 3 D* --> 103Rh45 + 4He2 + 37.055 MeV [3.568 MeV]
(A_Ru:1038)
101Ru44 + 3 D* --> 105Pd46 + 2H1 + 26.735 MeV [-6.752 MeV]
(A_Ru:1039)
101Ru44 + 3 D* --> 106Pd46 + 1H1 + 34.071 MeV [00.584 MeV]
(A_Ru:1040)
101Ru44 + 3 D* --> 107Ag47 + 39.859 MeV [6.373 MeV]
(A_Ru:1041)

101Ru44 + 4 D* --> 61Ni28 + 48Ca20 + 73.028 MeV [27.690 MeV]
(A_Ru:1042)
101Ru44 + 4 D* --> 73Ge32 + 36S16 + 66.555 MeV [21.216 MeV]
(A_Ru:1043)
101Ru44 + 4 D* --> 76Ge32 + 33S16 + 64.392 MeV [19.054 MeV]
(A_Ru:1044)
101Ru44 + 4 D* --> 80Se34 + 29Si14 + 64.248 MeV [18.910 MeV]
(A_Ru:1045)
101Ru44 + 4 D* --> 83Kr36 + 26Mg12 + 60.789 MeV [15.451 MeV]
(A_Ru:1046)
101Ru44 + 4 D* --> 84Kr36 + 25Mg12 + 60.217 MeV [14.878 MeV]
(A_Ru:1047)
101Ru44 + 4 D* --> 87Sr38 + 22Ne10 + 57.498 MeV [12.160 MeV]
(A_Ru:1048)
101Ru44 + 4 D* --> 88Sr38 + 21Ne10 + 58.247 MeV [12.908 MeV]
(A_Ru:1049)
101Ru44 + 4 D* --> 91Zr40 + 18O8 + 53.265 MeV [7.926 MeV]
(A_Ru:1050)
101Ru44 + 4 D* --> 92Zr40 + 17O8 + 53.856 MeV [8.517 MeV]
(A_Ru:1051)
101Ru44 + 4 D* --> 96Mo42 + 13C6 + 50.259 MeV [4.920 MeV]
(A_Ru:1052)
101Ru44 + 4 D* --> 97Mo42 + 12C6 + 52.134 MeV [6.795 MeV]
(A_Ru:1053)
101Ru44 + 4 D* --> 100Ru44 + 9Be4 + 42.465 MeV [-2.874 MeV]
(A_Ru:1054)
101Ru44 + 4 D* --> 103Rh45 + 6Li3 + 38.529 MeV [-6.810 MeV]
(A_Ru:1055)
101Ru44 + 4 D* --> 105Pd46 + 4He2 + 50.581 MeV [5.242 MeV]
(A_Ru:1056)
101Ru44 + 4 D* --> 106Pd46 + 3He2 + 39.564 MeV [-5.774 MeV]
(A_Ru:1057)
101Ru44 + 4 D* --> 107Ag47 + 2H1 + 39.859 MeV [-5.479 MeV]
(A_Ru:1058)

101Ru44 + 5 D* --> 63Cu29 + 48Ca20 + 87.523 MeV [29.993 MeV]
(A_Ru:1059)
101Ru44 + 5 D* --> 65Cu29 + 46Ca20 + 88.128 MeV [30.598 MeV]
(A_Ru:1060)
101Ru44 + 5 D* --> 70Zn30 + 41K19 + 82.853 MeV [25.323 MeV]
(A_Ru:1061)
101Ru44 + 5 D* --> 71Ga31 + 40Ar18 + 82.909 MeV [25.380 MeV]
(A_Ru:1062)

101Ru44 + 5 D* --> 74Ge32 + 37Cl17 + 82.913 MeV [25.384 MeV]
(A_Ru:1063)
101Ru44 + 5 D* --> 76Ge32 + 35Cl17 + 79.955 MeV [22.426 MeV]
(A_Ru:1064)
101Ru44 + 5 D* --> 75As33 + 36S16 + 81.425 MeV [23.896 MeV]
(A_Ru:1065)
101Ru44 + 5 D* --> 80Se34 + 31P15 + 79.930 MeV [22.400 MeV]
(A_Ru:1066)
101Ru44 + 5 D* --> 81Br35 + 30Si14 + 80.137 MeV [22.607 MeV]
(A_Ru:1067)
101Ru44 + 5 D* --> 84Kr36 + 27Al13 + 77.357 MeV [19.827 MeV]
(A_Ru:1068)
101Ru44 + 5 D* --> 85Rb37 + 26Mg12 + 76.111 MeV [18.581 MeV]
(A_Ru:1069)
101Ru44 + 5 D* --> 87Rb37 + 24Mg12 + 76.260 MeV [18.731 MeV]
(A_Ru:1070)
101Ru44 + 5 D* --> 88Sr38 + 23Na11 + 75.180 MeV [17.651 MeV]
(A_Ru:1071)
101Ru44 + 5 D* --> 89Y39 + 22Ne10 + 73.455 MeV [15.926 MeV]
(A_Ru:1072)
101Ru44 + 5 D* --> 92Zr40 + 19F9 + 67.670 MeV [10.141 MeV]
(A_Ru:1073)
101Ru44 + 5 D* --> 93Nb41 + 18O8 + 65.719 MeV [8.189 MeV]
(A_Ru:1074)
101Ru44 + 5 D* --> 96Mo42 + 15N7 + 66.418 MeV [8.889 MeV]
(A_Ru:1075)
101Ru44 + 5 D* --> 97Mo42 + 14N7 + 62.406 MeV [4.877 MeV]
(A_Ru:1076)
101Ru44 + 5 D* --> 100Ru44 + 11B5 + 58.280 MeV [00.751 MeV]
(A_Ru:1077)
101Ru44 + 5 D* --> 101Ru44 + 10B5 + 53.628 MeV [-3.901 MeV]
(A_Ru:1078)
101Ru44 + 5 D* --> 104Pd46 + 7Li3 + 52.211 MeV [-5.319 MeV]
(A_Ru:1079)
101Ru44 + 5 D* --> 105Pd46 + 6Li3 + 52.055 MeV [-5.474 MeV]
(A_Ru:1080)
101Ru44 + 5 D* --> 107Ag47 + 4He2 + 63.706 MeV [6.176 MeV]
(A_Ru:1081)
101Ru44 + 5 D* --> 110Cd48 + 1H1 + 60.793 MeV [3.264 MeV]
(A_Ru:1082)

101Ru44 + 6 D* --> 64Ni28 + 49Ti22 + 106.523 MeV [36.467 MeV]
(A_Ru:1083)
101Ru44 + 6 D* --> 67Zn30 + 46Ca20 + 101.880 MeV [31.825 MeV]
(A_Ru:1084)
101Ru44 + 6 D* --> 70Zn30 + 43Ca20 + 98.838 MeV [28.783 MeV]
(A_Ru:1085)
101Ru44 + 6 D* --> 73Ge32 + 40Ar18 + 97.202 MeV [27.147 MeV]
(A_Ru:1086)
101Ru44 + 6 D* --> 77Se34 + 36S16 + 96.128 MeV [26.073 MeV]
(A_Ru:1087)
101Ru44 + 6 D* --> 80Se34 + 33S16 + 95.211 MeV [25.155 MeV]
(A_Ru:1088)
101Ru44 + 6 D* --> 83Kr36 + 30Si14 + 95.279 MeV [25.224 MeV]

(A_Ru:1089)
101Ru44 + 6 D* --> 84Kr36 + 29Si14 + 95.191 MeV [25.135 MeV]
(A_Ru:1090)
101Ru44 + 6 D* --> 87Sr38 + 26Mg12 + 91.960 MeV [21.904 MeV]
(A_Ru:1091)
101Ru44 + 6 D* --> 88Sr38 + 25Mg12 + 91.979 MeV [21.924 MeV]
(A_Ru:1092)
101Ru44 + 6 D* --> 91Zr40 + 22Ne10 + 86.780 MeV [16.725 MeV]
(A_Ru:1093)
101Ru44 + 6 D* --> 92Zr40 + 21Ne10 + 85.050 MeV [14.995 MeV]
(A_Ru:1094)
101Ru44 + 6 D* --> 95Mo42 + 18O8 + 79.354 MeV [9.298 MeV]
(A_Ru:1095)
101Ru44 + 6 D* --> 96Mo42 + 17O8 + 80.464 MeV [10.409 MeV]
(A_Ru:1096)
101Ru44 + 6 D* --> 97Mo42 + 16O8 + 83.142 MeV [13.087 MeV]
(A_Ru:1097)
101Ru44 + 6 D* --> 100Ru44 + 13C6 + 76.959 MeV [6.903 MeV]
(A_Ru:1098)
101Ru44 + 6 D* --> 101Ru44 + 12C6 + 78.814 MeV [8.759 MeV]
(A_Ru:1099)
101Ru44 + 6 D* --> 103Rh45 + 10B5 + 66.836 MeV [-3.219 MeV]
(A_Ru:1100)
101Ru44 + 6 D* --> 104Pd46 + 9Be4 + 68.907 MeV [-1.148 MeV]
(A_Ru:1101)
101Ru44 + 6 D* --> 107Ag47 + 6Li3 + 65.180 MeV [-4.876 MeV]
(A_Ru:1102)
101Ru44 + 6 D* --> 110Cd48 + 3He2 + 66.286 MeV [-3.769 MeV]
(A_Ru:1103)

101Ru44 + 7 D* --> 64Ni28 + 51V23 + 123.301 MeV [40.388 MeV]
(A_Ru:1104)
101Ru44 + 7 D* --> 65Cu29 + 50Ti22 + 122.691 MeV [39.778 MeV]
(A_Ru:1105)
101Ru44 + 7 D* --> 70Zn30 + 45Sc21 + 114.633 MeV [31.720 MeV]
(A_Ru:1106)
101Ru44 + 7 D* --> 69Ga31 + 46Ca20 + 116.463 MeV [33.550 MeV]
(A_Ru:1107)
101Ru44 + 7 D* --> 71Ga31 + 44Ca20 + 115.609 MeV [32.696 MeV]
(A_Ru:1108)
101Ru44 + 7 D* --> 74Ge32 + 41K19 + 112.982 MeV [30.069 MeV]
(A_Ru:1109)
101Ru44 + 7 D* --> 76Ge32 + 39K19 + 111.020 MeV [28.108 MeV]
(A_Ru:1110)
101Ru44 + 7 D* --> 75As33 + 40Ar18 + 112.073 MeV [29.160 MeV]
(A_Ru:1111)
101Ru44 + 7 D* --> 78Se34 + 37Cl17 + 112.788 MeV [29.875 MeV]
(A_Ru:1112)
101Ru44 + 7 D* --> 80Se34 + 35Cl17 + 110.774 MeV [27.861 MeV]
(A_Ru:1113)
101Ru44 + 7 D* --> 79Br35 + 36S16 + 110.733 MeV [27.820 MeV]
(A_Ru:1114)
101Ru44 + 7 D* --> 81Br35 + 34S16 + 111.907 MeV [28.994 MeV]
(A_Ru:1115)

101Ru44 + 7 D* --> 84Kr36 + 31P15 + 110.872 MeV [27.959 MeV]
(A_Ru:1116)
101Ru44 + 7 D* --> 85Rb37 + 30Si14 + 110.601 MeV [27.688 MeV]
(A_Ru:1117)
101Ru44 + 7 D* --> 87Rb37 + 28Si14 + 110.091 MeV [27.178 MeV]
(A_Ru:1118)
101Ru44 + 7 D* --> 88Sr38 + 27Al13 + 109.119 MeV [26.206 MeV]
(A_Ru:1119)
101Ru44 + 7 D* --> 89Y39 + 26Mg12 + 107.917 MeV [25.004 MeV]
(A_Ru:1120)
101Ru44 + 7 D* --> 92Zr40 + 23Na11 + 101.984 MeV [19.071 MeV]
(A_Ru:1121)
101Ru44 + 7 D* --> 93Nb41 + 22Ne10 + 99.233 MeV [16.321 MeV]
(A_Ru:1122)
101Ru44 + 7 D* --> 96Mo42 + 19F9 + 94.278 MeV [11.365 MeV]
(A_Ru:1123)
101Ru44 + 7 D* --> 100Ru44 + 15N7 + 93.118 MeV [10.205 MeV]
(A_Ru:1124)
101Ru44 + 7 D* --> 101Ru44 + 14N7 + 89.087 MeV [6.174 MeV]
(A_Ru:1125)
101Ru44 + 7 D* --> 103Rh45 + 12C6 + 92.023 MeV [9.110 MeV]
(A_Ru:1126)
101Ru44 + 7 D* --> 104Pd46 + 11B5 + 84.722 MeV [1.810 MeV]
(A_Ru:1127)
101Ru44 + 7 D* --> 105Pd46 + 10B5 + 80.362 MeV [-2.550 MeV]
(A_Ru:1128)
101Ru44 + 7 D* --> 108Cd48 + 7Li3 + 78.345 MeV [-4.568 MeV]
(A_Ru:1129)
101Ru44 + 7 D* --> 114Sn50 + 1H1 + 87.272 MeV [4.360 MeV]
(A_Ru:1130)

101Ru44 + 8 D* --> 64Ni28 + 53Cr24 + 139.520 MeV [43.421 MeV]
(A_Ru:1131)
101Ru44 + 8 D* --> 67Zn30 + 50Ti22 + 136.443 MeV [40.345 MeV]
(A_Ru:1132)
101Ru44 + 8 D* --> 68Zn30 + 49Ti22 + 135.702 MeV [39.603 MeV]
(A_Ru:1133)
101Ru44 + 8 D* --> 70Zn30 + 47Ti22 + 131.633 MeV [35.534 MeV]
(A_Ru:1134)
101Ru44 + 8 D* --> 73Ge32 + 44Ca20 + 129.902 MeV [33.803 MeV]
(A_Ru:1135)
101Ru44 + 8 D* --> 74Ge32 + 43Ca20 + 128.967 MeV [32.868 MeV]
(A_Ru:1136)
101Ru44 + 8 D* --> 77Se34 + 40Ar18 + 126.776 MeV [30.677 MeV]
(A_Ru:1137)
101Ru44 + 8 D* --> 83Kr36 + 34S16 + 127.050 MeV [30.951 MeV]
(A_Ru:1138)
101Ru44 + 8 D* --> 84Kr36 + 33S16 + 126.153 MeV [30.054 MeV]
(A_Ru:1139)
101Ru44 + 8 D* --> 87Sr38 + 30Si14 + 126.449 MeV [30.351 MeV]
(A_Ru:1140)
101Ru44 + 8 D* --> 88Sr38 + 29Si14 + 126.953 MeV [30.854 MeV]
(A_Ru:1141)
101Ru44 + 8 D* --> 91Zr40 + 26Mg12 + 121.241 MeV [25.142 MeV]

(A_Ru:1142)
101Ru44 + 8 D* --> 92Zr40 + 25Mg12 + 118.783 MeV [22.684 MeV]
(A_Ru:1143)
101Ru44 + 8 D* --> 95Mo42 + 22Ne10 + 112.868 MeV [16.770 MeV]
(A_Ru:1144)
101Ru44 + 8 D* --> 96Mo42 + 21Ne10 + 111.658 MeV [15.560 MeV]
(A_Ru:1145)
101Ru44 + 8 D* --> 97Mo42 + 20Ne10 + 111.718 MeV [15.620 MeV]
(A_Ru:1146)
101Ru44 + 8 D* --> 99Ru44 + 18O8 + 105.535 MeV [9.436 MeV]
(A_Ru:1147)
101Ru44 + 8 D* --> 100Ru44 + 17O8 + 107.164 MeV [11.065 MeV]
(A_Ru:1148)
101Ru44 + 8 D* --> 101Ru44 + 16O8 + 109.823 MeV [13.724 MeV]
(A_Ru:1149)
101Ru44 + 8 D* --> 103Rh45 + 14N7 + 102.295 MeV [6.196 MeV]
(A_Ru:1150)
101Ru44 + 8 D* --> 104Pd46 + 13C6 + 103.401 MeV [7.302 MeV]
(A_Ru:1151)
101Ru44 + 8 D* --> 105Pd46 + 12C6 + 105.549 MeV [9.450 MeV]
(A_Ru:1152)
101Ru44 + 8 D* --> 107Ag47 + 10B5 + 93.487 MeV [-2.612 MeV]
(A_Ru:1153)
101Ru44 + 8 D* --> 108Cd48 + 9Be4 + 95.041 MeV [-1.058 MeV]
(A_Ru:1154)
101Ru44 + 8 D* --> 114Sn50 + 3He2 + 92.766 MeV [-3.333 MeV]
(A_Ru:1155)

101Ru44 + 9 D* --> 64Ni28 + 55Mn25 + 155.082 MeV [45.472 MeV]
(A_Ru:1156)
101Ru44 + 9 D* --> 65Cu29 + 54Cr24 + 154.468 MeV [44.858 MeV]
(A_Ru:1157)
101Ru44 + 9 D* --> 68Zn30 + 51V23 + 152.480 MeV [42.871 MeV]
(A_Ru:1158)
101Ru44 + 9 D* --> 69Ga31 + 50Ti22 + 151.026 MeV [41.416 MeV]
(A_Ru:1159)
101Ru44 + 9 D* --> 71Ga31 + 48Ti22 + 148.900 MeV [39.290 MeV]
(A_Ru:1160)
101Ru44 + 9 D* --> 74Ge32 + 45Sc21 + 144.762 MeV [35.152 MeV]
(A_Ru:1161)
101Ru44 + 9 D* --> 75As33 + 44Ca20 + 144.773 MeV [35.163 MeV]
(A_Ru:1162)
101Ru44 + 9 D* --> 78Se34 + 41K19 + 142.857 MeV [33.247 MeV]
(A_Ru:1163)
101Ru44 + 9 D* --> 80Se34 + 39K19 + 141.839 MeV [32.229 MeV]
(A_Ru:1164)
101Ru44 + 9 D* --> 79Br35 + 40Ar18 + 141.380 MeV [31.770 MeV]
(A_Ru:1165)
101Ru44 + 9 D* --> 81Br35 + 38Ar18 + 142.961 MeV [33.351 MeV]
(A_Ru:1166)
101Ru44 + 9 D* --> 82Kr36 + 37Cl17 + 142.623 MeV [33.013 MeV]
(A_Ru:1167)
101Ru44 + 9 D* --> 84Kr36 + 35Cl17 + 141.716 MeV [32.107 MeV]
(A_Ru:1168)

101Ru44 + 9 D* --> 85Rb37 + 34S16 + 142.371 MeV [32.761 MeV]
(A_Ru:1169)
101Ru44 + 9 D* --> 87Rb37 + 32S16 + 140.885 MeV [31.275 MeV]
(A_Ru:1170)
101Ru44 + 9 D* --> 88Sr38 + 31P15 + 142.634 MeV [33.025 MeV]
(A_Ru:1171)
101Ru44 + 9 D* --> 89Y39 + 30Si14 + 142.406 MeV [32.797 MeV]
(A_Ru:1172)
101Ru44 + 9 D* --> 92Zr40 + 27Al13 + 135.922 MeV [26.313 MeV]
(A_Ru:1173)
101Ru44 + 9 D* --> 93Nb41 + 26Mg12 + 133.695 MeV [24.085 MeV]
(A_Ru:1174)
101Ru44 + 9 D* --> 96Mo42 + 23Na11 + 128.592 MeV [18.982 MeV]
(A_Ru:1175)
101Ru44 + 9 D* --> 100Ru44 + 19F9 + 120.978 MeV [11.368 MeV]
(A_Ru:1176)
101Ru44 + 9 D* --> 103Rh45 + 16O8 + 123.031 MeV [13.421 MeV]
(A_Ru:1177)
101Ru44 + 9 D* --> 104Pd46 + 15N7 + 119.560 MeV [9.951 MeV]
(A_Ru:1178)
101Ru44 + 9 D* --> 105Pd46 + 14N7 + 115.821 MeV [6.211 MeV]
(A_Ru:1179)
101Ru44 + 9 D* --> 107Ag47 + 12C6 + 118.674 MeV [9.064 MeV]
(A_Ru:1180)
101Ru44 + 9 D* --> 108Cd48 + 11B5 + 110.856 MeV [1.246 MeV]
(A_Ru:1181)
101Ru44 + 9 D* --> 112Sn50 + 7Li3 + 104.025 MeV [-5.585 MeV]
(A_Ru:1182)

101Ru44 + 10 D* --> 64Ni28 + 57Fe26 + 170.687 MeV [47.244 MeV]
(A_Ru:1183)
101Ru44 + 10 D* --> 67Zn30 + 54Cr24 + 168.220 MeV [44.777 MeV]
(A_Ru:1184)
101Ru44 + 10 D* --> 68Zn30 + 53Cr24 + 168.699 MeV [45.256 MeV]
(A_Ru:1185)
101Ru44 + 10 D* --> 71Ga31 + 50V23 + 162.769 MeV [39.326 MeV]
(A_Ru:1186)
101Ru44 + 10 D* --> 72Ge32 + 49Ti22 + 164.552 MeV [41.109 MeV]
(A_Ru:1187)
101Ru44 + 10 D* --> 73Ge32 + 48Ti22 + 163.193 MeV [39.750 MeV]
(A_Ru:1188)
101Ru44 + 10 D* --> 74Ge32 + 47Ti22 + 161.762 MeV [38.319 MeV]
(A_Ru:1189)
101Ru44 + 10 D* --> 77Se34 + 44Ca20 + 159.476 MeV [36.033 MeV]
(A_Ru:1190)
101Ru44 + 10 D* --> 78Se34 + 43Ca20 + 158.842 MeV [35.399 MeV]
(A_Ru:1191)
101Ru44 + 10 D* --> 81Br35 + 40K19 + 154.918 MeV [31.475 MeV]
(A_Ru:1192)
101Ru44 + 10 D* --> 83Kr36 + 38Ar18 + 158.104 MeV [34.661 MeV]
(A_Ru:1193)
101Ru44 + 10 D* --> 87Sr38 + 34S16 + 158.220 MeV [34.777 MeV]
(A_Ru:1194)
101Ru44 + 10 D* --> 88Sr38 + 33S16 + 157.915 MeV [34.472 MeV]

(A_Ru:1195)
101Ru44 + 10 D* --> 91Zr40 + 30Si14 + 155.731 MeV [32.288 MeV]
(A_Ru:1196)
101Ru44 + 10 D* --> 92Zr40 + 29Si14 + 153.756 MeV [30.313 MeV]
(A_Ru:1197)
101Ru44 + 10 D* --> 95Mo42 + 26Mg12 + 147.330 MeV [23.887 MeV]
(A_Ru:1198)
101Ru44 + 10 D* --> 96Mo42 + 25Mg12 + 145.391 MeV [21.948 MeV]
(A_Ru:1199)
101Ru44 + 10 D* --> 97Mo42 + 24Mg12 + 144.882 MeV [21.438 MeV]
(A_Ru:1200)
101Ru44 + 10 D* --> 99Ru44 + 22Ne10 + 139.049 MeV [15.606 MeV]
(A_Ru:1201)
101Ru44 + 10 D* --> 100Ru44 + 21Ne10 + 138.358 MeV [14.915 MeV]
(A_Ru:1202)
101Ru44 + 10 D* --> 101Ru44 + 20Ne10 + 138.399 MeV [14.956 MeV]
(A_Ru:1203)
101Ru44 + 10 D* --> 104Pd46 + 17O8 + 133.606 MeV [10.163 MeV]
(A_Ru:1204)
101Ru44 + 10 D* --> 105Pd46 + 16O8 + 136.557 MeV [13.114 MeV]
(A_Ru:1205)
101Ru44 + 10 D* --> 107Ag47 + 14N7 + 128.946 MeV [5.503 MeV]
(A_Ru:1206)
101Ru44 + 10 D* --> 108Cd48 + 13C6 + 129.535 MeV [6.092 MeV]
(A_Ru:1207)
101Ru44 + 10 D* --> 112Sn50 + 9Be4 + 120.721 MeV [-2.722 MeV]
(A_Ru:1208)

101Ru44 + 11 D* --> 64Ni28 + 59Co27 + 185.871 MeV [48.276 MeV]
(A_Ru:1209)
101Ru44 + 11 D* --> 65Cu29 + 58Fe26 + 185.960 MeV [48.365 MeV]
(A_Ru:1210)
101Ru44 + 11 D* --> 68Zn30 + 55Mn25 + 184.261 MeV [46.666 MeV]
(A_Ru:1211)
101Ru44 + 11 D* --> 69Ga31 + 54Cr24 + 182.804 MeV [45.208 MeV]
(A_Ru:1212)
101Ru44 + 11 D* --> 71Ga31 + 52Cr24 + 182.100 MeV [44.505 MeV]
(A_Ru:1213)
101Ru44 + 11 D* --> 72Ge32 + 51V23 + 181.331 MeV [43.735 MeV]
(A_Ru:1214)
101Ru44 + 11 D* --> 73Ge32 + 50V23 + 177.062 MeV [39.467 MeV]
(A_Ru:1215)
101Ru44 + 11 D* --> 75As33 + 48Ti22 + 178.063 MeV [40.468 MeV]
(A_Ru:1216)
101Ru44 + 11 D* --> 78Se34 + 45Sc21 + 174.637 MeV [37.042 MeV]
(A_Ru:1217)
101Ru44 + 11 D* --> 79Br35 + 44Ca20 + 174.080 MeV [36.485 MeV]
(A_Ru:1218)
101Ru44 + 11 D* --> 81Br35 + 42Ca20 + 173.065 MeV [35.470 MeV]
(A_Ru:1219)
101Ru44 + 11 D* --> 82Kr36 + 41K19 + 172.692 MeV [35.096 MeV]
(A_Ru:1220)
101Ru44 + 11 D* --> 83Kr36 + 40K19 + 170.060 MeV [32.465 MeV]
(A_Ru:1221)

101Ru44 + 11 D* --> 84Kr36 + 39K19 + 172.781 MeV [35.186 MeV]
(A_Ru:1222)
101Ru44 + 11 D* --> 85Rb37 + 38Ar18 + 173.425 MeV [35.830 MeV]
(A_Ru:1223)
101Ru44 + 11 D* --> 87Rb37 + 36Ar18 + 171.373 MeV [33.777 MeV]
(A_Ru:1224)
101Ru44 + 11 D* --> 86Sr38 + 37Cl17 + 172.828 MeV [35.233 MeV]
(A_Ru:1225)
101Ru44 + 11 D* --> 88Sr38 + 35Cl17 + 173.479 MeV [35.883 MeV]
(A_Ru:1226)
101Ru44 + 11 D* --> 89Y39 + 34S16 + 174.177 MeV [36.581 MeV]
(A_Ru:1227)
101Ru44 + 11 D* --> 92Zr40 + 31P15 + 169.438 MeV [31.843 MeV]
(A_Ru:1228)
101Ru44 + 11 D* --> 93Nb41 + 30Si14 + 168.184 MeV [30.589 MeV]
(A_Ru:1229)
101Ru44 + 11 D* --> 96Mo42 + 27Al13 + 162.530 MeV [24.935 MeV]
(A_Ru:1230)
101Ru44 + 11 D* --> 100Ru44 + 23Na11 + 155.292 MeV [17.697 MeV]
(A_Ru:1231)
101Ru44 + 11 D* --> 103Rh45 + 20Ne10 + 151.607 MeV [14.012 MeV]
(A_Ru:1232)
101Ru44 + 11 D* --> 104Pd46 + 19F9 + 147.421 MeV [9.825 MeV]
(A_Ru:1233)
101Ru44 + 11 D* --> 107Ag47 + 16O8 + 149.682 MeV [12.087 MeV]
(A_Ru:1234)
101Ru44 + 11 D* --> 108Cd48 + 15N7 + 145.694 MeV [8.099 MeV]
(A_Ru:1235)
101Ru44 + 11 D* --> 112Sn50 + 11B5 + 136.537 MeV [-1.059 MeV]
(A_Ru:1236)

101Ru44 + 12 D* --> 64Ni28 + 61Ni28 + 200.999 MeV [48.935 MeV]
(A_Ru:1237)
101Ru44 + 12 D* --> 67Zn30 + 58Fe26 + 199.713 MeV [47.649 MeV]
(A_Ru:1238)
101Ru44 + 12 D* --> 68Zn30 + 57Fe26 + 199.866 MeV [47.802 MeV]
(A_Ru:1239)
101Ru44 + 12 D* --> 72Ge32 + 53Cr24 + 197.550 MeV [45.486 MeV]
(A_Ru:1240)
101Ru44 + 12 D* --> 73Ge32 + 52Cr24 + 196.393 MeV [44.329 MeV]
(A_Ru:1241)
101Ru44 + 12 D* --> 75As33 + 50V23 + 191.933 MeV [39.869 MeV]
(A_Ru:1242)
101Ru44 + 12 D* --> 76Se34 + 49Ti22 + 193.490 MeV [41.426 MeV]
(A_Ru:1243)
101Ru44 + 12 D* --> 77Se34 + 48Ti22 + 192.766 MeV [40.702 MeV]
(A_Ru:1244)
101Ru44 + 12 D* --> 78Se34 + 47Ti22 + 191.637 MeV [39.573 MeV]
(A_Ru:1245)
101Ru44 + 12 D* --> 82Kr36 + 43Ca20 + 188.677 MeV [36.613 MeV]
(A_Ru:1246)
101Ru44 + 12 D* --> 83Kr36 + 42Ca20 + 188.208 MeV [36.144 MeV]
(A_Ru:1247)
101Ru44 + 12 D* --> 85Rb37 + 40K19 + 185.381 MeV [33.317 MeV]

(A_Ru:1248)
101Ru44 + 12 D* --> 87Sr38 + 38Ar18 + 189.274 MeV [37.210 MeV]
(A_Ru:1249)
101Ru44 + 12 D* --> 91Zr40 + 34S16 + 187.501 MeV [35.437 MeV]
(A_Ru:1250)
101Ru44 + 12 D* --> 92Zr40 + 33S16 + 184.719 MeV [32.655 MeV]
(A_Ru:1251)
101Ru44 + 12 D* --> 95Mo42 + 30Si14 + 181.819 MeV [29.755 MeV]
(A_Ru:1252)
101Ru44 + 12 D* --> 96Mo42 + 29Si14 + 180.364 MeV [28.300 MeV]
(A_Ru:1253)
101Ru44 + 12 D* --> 97Mo42 + 28Si14 + 178.712 MeV [26.648 MeV]
(A_Ru:1254)
101Ru44 + 12 D* --> 99Ru44 + 26Mg12 + 173.511 MeV [21.447 MeV]
(A_Ru:1255)
101Ru44 + 12 D* --> 100Ru44 + 25Mg12 + 172.091 MeV [20.027 MeV]
(A_Ru:1256)
101Ru44 + 12 D* --> 101Ru44 + 24Mg12 + 171.562 MeV [19.498 MeV]
(A_Ru:1257)
101Ru44 + 12 D* --> 104Pd46 + 21Ne10 + 164.801 MeV [12.737 MeV]
(A_Ru:1258)
101Ru44 + 12 D* --> 105Pd46 + 20Ne10 + 165.134 MeV [13.070 MeV]
(A_Ru:1259)
101Ru44 + 12 D* --> 108Cd48 + 17O8 + 159.740 MeV [7.676 MeV]
(A_Ru:1260)
101Ru44 + 12 D* --> 112Sn50 + 13C6 + 155.215 MeV [3.151 MeV]
(A_Ru:1261)

102Ru44 + D* --> 87Rb37 + 17O8 + 9.444 MeV [-1.334 MeV]
(A_Ru:1262)

102Ru44 + 2 D* --> 58Fe26 + 48Ca20 + 43.541 MeV [21.633 MeV]
(A_Ru:1263)
102Ru44 + 2 D* --> 70Zn30 + 36S16 + 37.402 MeV [15.495 MeV]
(A_Ru:1264)
102Ru44 + 2 D* --> 76Ge32 + 30Si14 + 34.819 MeV [12.912 MeV]
(A_Ru:1265)
102Ru44 + 2 D* --> 80Se34 + 26Mg12 + 31.148 MeV [9.240 MeV]
(A_Ru:1266)
102Ru44 + 2 D* --> 82Se34 + 24Mg12 + 28.701 MeV [6.793 MeV]
(A_Ru:1267)
102Ru44 + 2 D* --> 84Kr36 + 22Ne10 + 27.629 MeV [5.722 MeV]
(A_Ru:1268)
102Ru44 + 2 D* --> 86Kr36 + 20Ne10 + 27.481 MeV [5.573 MeV]
(A_Ru:1269)
102Ru44 + 2 D* --> 87Rb37 + 19F9 + 23.259 MeV [1.351 MeV]
(A_Ru:1270)
102Ru44 + 2 D* --> 88Sr38 + 18O8 + 25.877 MeV [3.969 MeV]
(A_Ru:1271)
102Ru44 + 2 D* --> 94Zr40 + 12C6 + 24.440 MeV [2.533 MeV]
(A_Ru:1272)
102Ru44 + 2 D* --> 97Mo42 + 9Be4 + 13.366 MeV [-8.541 MeV]
(A_Ru:1273)
102Ru44 + 2 D* --> 102Ru44 + 4He2 + 23.847 MeV [1.939 MeV]

(A_Ru:1274)
102Ru44 + 2 D* --> 106Pd46 + 27.076 MeV [5.168 MeV]
(A_Ru:1275)

102Ru44 + 3 D* --> 87Rb37 + 21Ne10 + 40.639 MeV [7.256 MeV]
(A_Ru:1276)
102Ru44 + 3 D* --> 94Zr40 + 14N7 + 34.713 MeV [1.330 MeV]
(A_Ru:1277)
102Ru44 + 3 D* --> 97Mo42 + 11B5 + 29.182 MeV [-4.201 MeV]
(A_Ru:1278)
102Ru44 + 3 D* --> 98Mo42 + 10B5 + 26.370 MeV [-7.013 MeV]
(A_Ru:1279)
102Ru44 + 3 D* --> 101Ru44 + 7Li3 + 23.351 MeV [-10.032 MeV]
(A_Ru:1280)
102Ru44 + 3 D* --> 102Ru44 + 6Li3 + 25.320 MeV [-8.062 MeV]
(A_Ru:1281)
102Ru44 + 3 D* --> 106Pd46 + 2H1 + 27.076 MeV [-6.307 MeV]
(A_Ru:1282)

102Ru44 + 4 D* --> 62Ni28 + 48Ca20 + 74.405 MeV [29.204 MeV]
(A_Ru:1283)
102Ru44 + 4 D* --> 64Ni28 + 46Ca20 + 73.679 MeV [28.478 MeV]
(A_Ru:1284)
102Ru44 + 4 D* --> 70Zn30 + 40Ar18 + 68.049 MeV [22.849 MeV]
(A_Ru:1285)
102Ru44 + 4 D* --> 74Ge32 + 36S16 + 67.531 MeV [22.331 MeV]
(A_Ru:1286)
102Ru44 + 4 D* --> 76Ge32 + 34S16 + 66.590 MeV [21.389 MeV]
(A_Ru:1287)
102Ru44 + 4 D* --> 80Se34 + 30Si14 + 65.638 MeV [20.437 MeV]
(A_Ru:1288)
102Ru44 + 4 D* --> 82Se34 + 28Si14 + 62.532 MeV [17.331 MeV]
(A_Ru:1289)
102Ru44 + 4 D* --> 84Kr36 + 26Mg12 + 62.090 MeV [16.890 MeV]
(A_Ru:1290)
102Ru44 + 4 D* --> 86Kr36 + 24Mg12 + 60.644 MeV [15.443 MeV]
(A_Ru:1291)
102Ru44 + 4 D* --> 87Rb37 + 23Na11 + 57.572 MeV [12.372 MeV]
(A_Ru:1292)
102Ru44 + 4 D* --> 88Sr38 + 22Ne10 + 59.391 MeV [14.191 MeV]
(A_Ru:1293)
102Ru44 + 4 D* --> 92Zr40 + 18O8 + 52.680 MeV [7.479 MeV]
(A_Ru:1294)
102Ru44 + 4 D* --> 94Zr40 + 16O8 + 55.449 MeV [10.248 MeV]
(A_Ru:1295)
102Ru44 + 4 D* --> 97Mo42 + 13C6 + 47.860 MeV [2.659 MeV]
(A_Ru:1296)
102Ru44 + 4 D* --> 98Mo42 + 12C6 + 51.557 MeV [6.356 MeV]
(A_Ru:1297)
102Ru44 + 4 D* --> 101Ru44 + 9Be4 + 40.047 MeV [-5.154 MeV]
(A_Ru:1298)
102Ru44 + 4 D* --> 103Rh45 + 7Li3 + 36.559 MeV [-8.642 MeV]
(A_Ru:1299)
102Ru44 + 4 D* --> 106Pd46 + 4He2 + 50.922 MeV [5.722 MeV]

(A_Ru:1300)
102Ru44 + 4 D* --> 109Ag47 + 1H1 + 44.879 MeV [-0.322 MeV]
(A_Ru:1301)
102Ru44 + 4 D* --> 110Cd48 + 53.798 MeV [8.597 MeV]
(A_Ru:1302)

102Ru44 + 5 D* --> 87Rb37 + 25Mg12 + 74.371 MeV [17.014 MeV]
(A_Ru:1303)
102Ru44 + 5 D* --> 97Mo42 + 15N7 + 64.020 MeV [6.662 MeV]
(A_Ru:1304)
102Ru44 + 5 D* --> 98Mo42 + 14N7 + 61.829 MeV [4.471 MeV]
(A_Ru:1305)
102Ru44 + 5 D* --> 101Ru44 + 11B5 + 55.862 MeV [-1.495 MeV]
(A_Ru:1306)
102Ru44 + 5 D* --> 102Ru44 + 10B5 + 53.628 MeV [-3.730 MeV]
(A_Ru:1307)
102Ru44 + 5 D* --> 103Rh45 + 9Be4 + 53.255 MeV [-4.103 MeV]
(A_Ru:1308)
102Ru44 + 5 D* --> 105Pd46 + 7Li3 + 50.085 MeV [-7.272 MeV]
(A_Ru:1309)
102Ru44 + 5 D* --> 106Pd46 + 6Li3 + 52.396 MeV [-4.961 MeV]
(A_Ru:1310)
102Ru44 + 5 D* --> 109Ag47 + 3He2 + 50.372 MeV [-6.986 MeV]
(A_Ru:1311)
102Ru44 + 5 D* --> 110Cd48 + 2H1 + 53.798 MeV [-3.560 MeV]
(A_Ru:1312)
102Ru44 + 5 D* --> 111Cd48 + 1H1 + 58.549 MeV [1.192 MeV]
(A_Ru:1313)

102Ru44 + 6 D* --> 64Ni28 + 50Ti22 + 108.242 MeV [38.392 MeV]
(A_Ru:1314)
102Ru44 + 6 D* --> 66Zn30 + 48Ca20 + 102.830 MeV [32.980 MeV]
(A_Ru:1315)
102Ru44 + 6 D* --> 68Zn30 + 46Ca20 + 102.859 MeV [33.009 MeV]
(A_Ru:1316)
102Ru44 + 6 D* --> 70Zn30 + 44Ca20 + 100.749 MeV [30.900 MeV]
(A_Ru:1317)
102Ru44 + 6 D* --> 74Ge32 + 40Ar18 + 98.179 MeV [28.329 MeV]
(A_Ru:1318)
102Ru44 + 6 D* --> 76Ge32 + 38Ar18 + 97.644 MeV [27.794 MeV]
(A_Ru:1319)
102Ru44 + 6 D* --> 78Se34 + 36S16 + 97.406 MeV [27.557 MeV]
(A_Ru:1320)
102Ru44 + 6 D* --> 80Se34 + 34S16 + 97.408 MeV [27.558 MeV]
(A_Ru:1321)
102Ru44 + 6 D* --> 82Se34 + 32S16 + 93.326 MeV [23.476 MeV]
(A_Ru:1322)
102Ru44 + 6 D* --> 84Kr36 + 30Si14 + 96.580 MeV [26.730 MeV]
(A_Ru:1323)
102Ru44 + 6 D* --> 86Kr36 + 28Si14 + 94.475 MeV [24.625 MeV]
(A_Ru:1324)
102Ru44 + 6 D* --> 87Rb37 + 27Al13 + 91.511 MeV [21.661 MeV]
(A_Ru:1325)
102Ru44 + 6 D* --> 88Sr38 + 26Mg12 + 93.853 MeV [24.003 MeV]

(A_Ru:1326)
102Ru44 + 6 D* --> 92Zr40 + 22Ne10 + 86.195 MeV [16.345 MeV]
(A_Ru:1327)
102Ru44 + 6 D* --> 94Zr40 + 20Ne10 + 84.025 MeV [14.175 MeV]
(A_Ru:1328)
102Ru44 + 6 D* --> 96Mo42 + 18O8 + 79.288 MeV [9.439 MeV]
(A_Ru:1329)
102Ru44 + 6 D* --> 97Mo42 + 17O8 + 78.066 MeV [8.216 MeV]
(A_Ru:1330)
102Ru44 + 6 D* --> 98Mo42 + 16O8 + 82.565 MeV [12.715 MeV]
(A_Ru:1331)
102Ru44 + 6 D* --> 101Ru44 + 13C6 + 74.541 MeV [4.691 MeV]
(A_Ru:1332)
102Ru44 + 6 D* --> 102Ru44 + 12C6 + 78.814 MeV [8.965 MeV]
(A_Ru:1333)
102Ru44 + 6 D* --> 103Rh45 + 11B5 + 69.071 MeV [-0.779 MeV]
(A_Ru:1334)
102Ru44 + 6 D* --> 105Pd46 + 9Be4 + 66.781 MeV [-3.068 MeV]
(A_Ru:1335)
102Ru44 + 6 D* --> 107Ag47 + 7Li3 + 63.210 MeV [-6.640 MeV]
(A_Ru:1336)
102Ru44 + 6 D* --> 110Cd48 + 4He2 + 77.644 MeV [7.795 MeV]
(A_Ru:1337)
102Ru44 + 6 D* --> 111Cd48 + 3He2 + 64.043 MeV [-5.807 MeV]
(A_Ru:1338)
102Ru44 + 6 D* --> 113In49 + 1H1 + 71.797 MeV [1.947 MeV]
(A_Ru:1339)
102Ru44 + 6 D* --> 114Sn50 + 80.277 MeV [10.427 MeV]
(A_Ru:1340)

102Ru44 + 7 D* --> 76Ge32 + 40K19 + 109.600 MeV [26.926 MeV]
(A_Ru:1341)
102Ru44 + 7 D* --> 87Rb37 + 29Si14 + 109.345 MeV [26.671 MeV]
(A_Ru:1342)
102Ru44 + 7 D* --> 97Mo42 + 19F9 + 91.880 MeV [9.206 MeV]
(A_Ru:1343)
102Ru44 + 7 D* --> 101Ru44 + 15N7 + 90.700 MeV [8.026 MeV]
(A_Ru:1344)
102Ru44 + 7 D* --> 102Ru44 + 14N7 + 89.087 MeV [6.413 MeV]
(A_Ru:1345)
102Ru44 + 7 D* --> 103Rh45 + 13C6 + 87.749 MeV [5.075 MeV]
(A_Ru:1346)
102Ru44 + 7 D* --> 105Pd46 + 11B5 + 82.597 MeV [-0.077 MeV]
(A_Ru:1347)
102Ru44 + 7 D* --> 106Pd46 + 10B5 + 80.704 MeV [-1.970 MeV]
(A_Ru:1348)
102Ru44 + 7 D* --> 107Ag47 + 9Be4 + 79.906 MeV [-2.768 MeV]
(A_Ru:1349)
102Ru44 + 7 D* --> 110Cd48 + 6Li3 + 79.118 MeV [-3.556 MeV]
(A_Ru:1350)
102Ru44 + 7 D* --> 113In49 + 3He2 + 77.290 MeV [-5.383 MeV]
(A_Ru:1351)
102Ru44 + 7 D* --> 114Sn50 + 2H1 + 80.277 MeV [-2.397 MeV]
(A_Ru:1352)

102Ru44 + 7 D* --> 115Sn50 + 1H1 + 85.599 MeV [2.925 MeV]
(A_Ru:1353)

102Ru44 + 8 D* --> 64Ni28 + 54Cr24 + 140.020 MeV [44.193 MeV]
(A_Ru:1354)
102Ru44 + 8 D* --> 68Zn30 + 50Ti22 + 137.422 MeV [41.595 MeV]
(A_Ru:1355)
102Ru44 + 8 D* --> 70Zn30 + 48Ti22 + 134.040 MeV [38.214 MeV]
(A_Ru:1356)
102Ru44 + 8 D* --> 70Ge32 + 48Ca20 + 130.765 MeV [34.939 MeV]
(A_Ru:1357)
102Ru44 + 8 D* --> 72Ge32 + 46Ca20 + 131.709 MeV [35.882 MeV]
(A_Ru:1358)
102Ru44 + 8 D* --> 74Ge32 + 44Ca20 + 130.879 MeV [35.052 MeV]
(A_Ru:1359)
102Ru44 + 8 D* --> 76Ge32 + 42Ca20 + 127.748 MeV [31.921 MeV]
(A_Ru:1360)
102Ru44 + 8 D* --> 78Se34 + 40Ar18 + 128.054 MeV [32.227 MeV]
(A_Ru:1361)
102Ru44 + 8 D* --> 80Se34 + 38Ar18 + 128.462 MeV [32.636 MeV]
(A_Ru:1362)
102Ru44 + 8 D* --> 82Se34 + 36Ar18 + 123.813 MeV [27.987 MeV]
(A_Ru:1363)
102Ru44 + 8 D* --> 81Br35 + 37Cl17 + 125.724 MeV [29.898 MeV]
(A_Ru:1364)
102Ru44 + 8 D* --> 82Kr36 + 36S16 + 127.241 MeV [31.415 MeV]
(A_Ru:1365)
102Ru44 + 8 D* --> 84Kr36 + 34S16 + 128.351 MeV [32.524 MeV]
(A_Ru:1366)
102Ru44 + 8 D* --> 86Kr36 + 32S16 + 125.269 MeV [29.443 MeV]
(A_Ru:1367)
102Ru44 + 8 D* --> 87Rb37 + 31P15 + 125.026 MeV [29.200 MeV]
(A_Ru:1368)
102Ru44 + 8 D* --> 88Sr38 + 30Si14 + 128.342 MeV [32.516 MeV]
(A_Ru:1369)
102Ru44 + 8 D* --> 92Zr40 + 26Mg12 + 120.656 MeV [24.830 MeV]
(A_Ru:1370)
102Ru44 + 8 D* --> 94Zr40 + 24Mg12 + 117.188 MeV [21.362 MeV]
(A_Ru:1371)
102Ru44 + 8 D* --> 96Mo42 + 22Ne10 + 112.803 MeV [16.977 MeV]
(A_Ru:1372)
102Ru44 + 8 D* --> 97Mo42 + 21Ne10 + 109.260 MeV [13.434 MeV]
(A_Ru:1373)
102Ru44 + 8 D* --> 98Mo42 + 20Ne10 + 111.141 MeV [15.315 MeV]
(A_Ru:1374)
102Ru44 + 8 D* --> 100Ru44 + 18O8 + 105.988 MeV [10.162 MeV]
(A_Ru:1375)
102Ru44 + 8 D* --> 101Ru44 + 17O8 + 104.746 MeV [8.920 MeV]
(A_Ru:1376)
102Ru44 + 8 D* --> 102Ru44 + 16O8 + 109.823 MeV [13.996 MeV]
(A_Ru:1377)
102Ru44 + 8 D* --> 103Rh45 + 15N7 + 103.908 MeV [8.082 MeV]
(A_Ru:1378)
102Ru44 + 8 D* --> 105Pd46 + 13C6 + 101.276 MeV [5.449 MeV]

(A_Ru:1379)
102Ru44 + 8 D* --> 106Pd46 + 12C6 + 105.890 MeV [10.064 MeV]
(A_Ru:1380)
102Ru44 + 8 D* --> 107Ag47 + 11B5 + 95.722 MeV [-0.105 MeV]
(A_Ru:1381)
102Ru44 + 8 D* --> 114Sn50 + 4He2 + 104.124 MeV [8.297 MeV]
(A_Ru:1382)
102Ru44 + 8 D* --> 115Sn50 + 3He2 + 91.092 MeV [-4.734 MeV]
(A_Ru:1383)

102Ru44 + 9 D* --> 70Zn30 + 50V23 + 147.910 MeV [38.605 MeV]
(A_Ru:1384)
102Ru44 + 9 D* --> 71Ga31 + 49Ti22 + 147.822 MeV [38.518 MeV]
(A_Ru:1385)
102Ru44 + 9 D* --> 80Se34 + 40K19 + 140.419 MeV [31.114 MeV]
(A_Ru:1386)
102Ru44 + 9 D* --> 83Kr36 + 37Cl17 + 140.867 MeV [31.562 MeV]
(A_Ru:1387)
102Ru44 + 9 D* --> 87Rb37 + 33S16 + 140.307 MeV [31.003 MeV]
(A_Ru:1388)
102Ru44 + 9 D* --> 97Mo42 + 23Na11 + 126.194 MeV [16.889 MeV]
(A_Ru:1389)
102Ru44 + 9 D* --> 101Ru44 + 19F9 + 118.561 MeV [9.256 MeV]
(A_Ru:1390)
102Ru44 + 9 D* --> 103Rh45 + 17O8 + 117.954 MeV [8.650 MeV]
(A_Ru:1391)
102Ru44 + 9 D* --> 105Pd46 + 15N7 + 117.435 MeV [8.130 MeV]
(A_Ru:1392)
102Ru44 + 9 D* --> 106Pd46 + 14N7 + 116.163 MeV [6.858 MeV]
(A_Ru:1393)
102Ru44 + 9 D* --> 107Ag47 + 13C6 + 114.400 MeV [5.096 MeV]
(A_Ru:1394)
102Ru44 + 9 D* --> 110Cd48 + 10B5 + 107.426 MeV [-1.879 MeV]
(A_Ru:1395)
102Ru44 + 9 D* --> 114Sn50 + 6Li3 + 105.598 MeV [-3.707 MeV]
(A_Ru:1396)

102Ru44 + 10 D* --> 64Ni28 + 58Fe26 + 171.512 MeV [48.407 MeV]
(A_Ru:1397)
102Ru44 + 10 D* --> 68Zn30 + 54Cr24 + 169.199 MeV [46.094 MeV]
(A_Ru:1398)
102Ru44 + 10 D* --> 70Zn30 + 52Cr24 + 167.241 MeV [44.136 MeV]
(A_Ru:1399)
102Ru44 + 10 D* --> 71Ga31 + 51V23 + 164.601 MeV [41.496 MeV]
(A_Ru:1400)
102Ru44 + 10 D* --> 72Ge32 + 50Ti22 + 166.272 MeV [43.167 MeV]
(A_Ru:1401)
102Ru44 + 10 D* --> 73Ge32 + 49Ti22 + 162.116 MeV [39.011 MeV]
(A_Ru:1402)
102Ru44 + 10 D* --> 74Ge32 + 48Ti22 + 164.169 MeV [41.065 MeV]
(A_Ru:1403)
102Ru44 + 10 D* --> 76Ge32 + 46Ti22 + 159.596 MeV [36.491 MeV]
(A_Ru:1404)
102Ru44 + 10 D* --> 74Se34 + 48Ca20 + 158.686 MeV [35.581 MeV]

(A_Ru:1405)
 102Ru44 + 10 D* --> 76Se34 + 46Ca20 + 160.646 MeV [37.541 MeV]
(A_Ru:1406)
 102Ru44 + 10 D* --> 78Se34 + 44Ca20 + 160.754 MeV [37.649 MeV]
(A_Ru:1407)
 102Ru44 + 10 D* --> 80Se34 + 42Ca20 + 158.566 MeV [35.461 MeV]
(A_Ru:1408)
 102Ru44 + 10 D* --> 82Se34 + 40Ca20 + 154.699 MeV [31.595 MeV]
(A_Ru:1409)
 102Ru44 + 10 D* --> 81Br35 + 41K19 + 155.793 MeV [32.688 MeV]
(A_Ru:1410)
 102Ru44 + 10 D* --> 82Kr36 + 40Ar18 + 157.889 MeV [34.784 MeV]
(A_Ru:1411)
 102Ru44 + 10 D* --> 84Kr36 + 38Ar18 + 159.405 MeV [36.300 MeV]
(A_Ru:1412)
 102Ru44 + 10 D* --> 86Kr36 + 36Ar18 + 155.756 MeV [32.651 MeV]
(A_Ru:1413)
 102Ru44 + 10 D* --> 85Rb37 + 37Cl17 + 156.188 MeV [33.083 MeV]
(A_Ru:1414)
 102Ru44 + 10 D* --> 87Rb37 + 35Cl17 + 155.871 MeV [32.766 MeV]
(A_Ru:1415)
 102Ru44 + 10 D* --> 86Sr38 + 36S16 + 157.447 MeV [34.342 MeV]
(A_Ru:1416)
 102Ru44 + 10 D* --> 88Sr38 + 34S16 + 160.113 MeV [37.008 MeV]
(A_Ru:1417)
 102Ru44 + 10 D* --> 92Zr40 + 30Si14 + 155.146 MeV [32.041 MeV]
(A_Ru:1418)
 102Ru44 + 10 D* --> 94Zr40 + 28Si14 + 151.019 MeV [27.914 MeV]
(A_Ru:1419)
 102Ru44 + 10 D* --> 96Mo42 + 26Mg12 + 147.264 MeV [24.159 MeV]
(A_Ru:1420)
 102Ru44 + 10 D* --> 97Mo42 + 25Mg12 + 142.992 MeV [19.888 MeV]
(A_Ru:1421)
 102Ru44 + 10 D* --> 98Mo42 + 24Mg12 + 144.304 MeV [21.200 MeV]
(A_Ru:1422)
 102Ru44 + 10 D* --> 100Ru44 + 22Ne10 + 139.503 MeV [16.398 MeV]
(A_Ru:1423)
 102Ru44 + 10 D* --> 101Ru44 + 21Ne10 + 135.941 MeV [12.836 MeV]
(A_Ru:1424)
 102Ru44 + 10 D* --> 102Ru44 + 20Ne10 + 138.399 MeV [15.294 MeV]
(A_Ru:1425)
 102Ru44 + 10 D* --> 103Rh45 + 19F9 + 131.769 MeV [8.664 MeV]
(A_Ru:1426)
 102Ru44 + 10 D* --> 104Pd46 + 18O8 + 132.431 MeV [9.326 MeV]
(A_Ru:1427)
 102Ru44 + 10 D* --> 105Pd46 + 17O8 + 131.481 MeV [8.376 MeV]
(A_Ru:1428)
 102Ru44 + 10 D* --> 106Pd46 + 16O8 + 136.899 MeV [13.794 MeV]
(A_Ru:1429)
 102Ru44 + 10 D* --> 107Ag47 + 15N7 + 130.559 MeV [7.455 MeV]
(A_Ru:1430)
 102Ru44 + 10 D* --> 110Cd48 + 12C6 + 132.612 MeV [9.507 MeV]
(A_Ru:1431)

102Ru44 + 11 D* --> 71Ga31 + 53Cr24 + 180.820 MeV [43.595 MeV]
(A_Ru:1432)
102Ru44 + 11 D* --> 73Ge32 + 51V23 + 178.894 MeV [41.669 MeV]
(A_Ru:1433)
102Ru44 + 11 D* --> 74Ge32 + 50V23 + 178.039 MeV [40.814 MeV]
(A_Ru:1434)
102Ru44 + 11 D* --> 75As33 + 49Ti22 + 176.986 MeV [39.762 MeV]
(A_Ru:1435)
102Ru44 + 11 D* --> 81Br35 + 43Ca20 + 171.778 MeV [34.554 MeV]
(A_Ru:1436)
102Ru44 + 11 D* --> 83Kr36 + 41K19 + 170.936 MeV [33.711 MeV]
(A_Ru:1437)
102Ru44 + 11 D* --> 84Kr36 + 40K19 + 171.361 MeV [34.137 MeV]
(A_Ru:1438)
102Ru44 + 11 D* --> 87Sr38 + 37Cl17 + 172.037 MeV [34.812 MeV]
(A_Ru:1439)
102Ru44 + 11 D* --> 97Mo42 + 27Al13 + 160.132 MeV [22.907 MeV]
(A_Ru:1440)
102Ru44 + 11 D* --> 101Ru44 + 23Na11 + 152.874 MeV [15.650 MeV]
(A_Ru:1441)
102Ru44 + 11 D* --> 103Rh45 + 21Ne10 + 149.149 MeV [11.924 MeV]
(A_Ru:1442)
102Ru44 + 11 D* --> 105Pd46 + 19F9 + 145.295 MeV [8.071 MeV]
(A_Ru:1443)
102Ru44 + 11 D* --> 107Ag47 + 17O8 + 144.605 MeV [7.381 MeV]
(A_Ru:1444)
102Ru44 + 11 D* --> 110Cd48 + 14N7 + 142.884 MeV [5.660 MeV]
(A_Ru:1445)
102Ru44 + 11 D* --> 114Sn50 + 10B5 + 133.905 MeV [-3.319 MeV]
(A_Ru:1446)

102Ru44 + 12 D* --> 64Ni28 + 62Ni28 + 202.376 MeV [50.715 MeV]
(A_Ru:1447)
102Ru44 + 12 D* --> 68Zn30 + 58Fe26 + 200.691 MeV [49.031 MeV]
(A_Ru:1448)
102Ru44 + 12 D* --> 70Zn30 + 56Fe26 + 198.701 MeV [47.040 MeV]
(A_Ru:1449)
102Ru44 + 12 D* --> 71Ga31 + 55Mn25 + 196.381 MeV [44.721 MeV]
(A_Ru:1450)
102Ru44 + 12 D* --> 72Ge32 + 54Cr24 + 198.049 MeV [46.388 MeV]
(A_Ru:1451)
102Ru44 + 12 D* --> 73Ge32 + 53Cr24 + 195.113 MeV [43.452 MeV]
(A_Ru:1452)
102Ru44 + 12 D* --> 74Ge32 + 52Cr24 + 197.370 MeV [45.709 MeV]
(A_Ru:1453)
102Ru44 + 12 D* --> 76Ge32 + 50Cr24 + 192.003 MeV [40.343 MeV]
(A_Ru:1454)
102Ru44 + 12 D* --> 75As33 + 51V23 + 193.764 MeV [42.104 MeV]
(A_Ru:1455)
102Ru44 + 12 D* --> 76Se34 + 50Ti22 + 195.209 MeV [43.549 MeV]
(A_Ru:1456)
102Ru44 + 12 D* --> 77Se34 + 49Ti22 + 191.689 MeV [40.028 MeV]
(A_Ru:1457)
102Ru44 + 12 D* --> 78Se34 + 48Ti22 + 194.044 MeV [42.384 MeV]

(A_Ru:1458)
102Ru44 + 12 D* --> 80Se34 + 46Ti22 + 190.414 MeV [38.753 MeV]
(A_Ru:1459)
102Ru44 + 12 D* --> 81Br35 + 45Sc21 + 187.573 MeV [35.913 MeV]
(A_Ru:1460)
102Ru44 + 12 D* --> 78Kr36 + 48Ca20 + 186.924 MeV [35.264 MeV]
(A_Ru:1461)
102Ru44 + 12 D* --> 80Kr36 + 46Ca20 + 189.558 MeV [37.898 MeV]
(A_Ru:1462)
102Ru44 + 12 D* --> 82Kr36 + 44Ca20 + 190.589 MeV [38.928 MeV]
(A_Ru:1463)
102Ru44 + 12 D* --> 83Kr36 + 43Ca20 + 186.921 MeV [35.260 MeV]
(A_Ru:1464)
102Ru44 + 12 D* --> 84Kr36 + 42Ca20 + 189.509 MeV [37.848 MeV]
(A_Ru:1465)
102Ru44 + 12 D* --> 86Kr36 + 40Ca20 + 186.642 MeV [34.982 MeV]
(A_Ru:1466)
102Ru44 + 12 D* --> 85Rb37 + 41K19 + 186.257 MeV [34.596 MeV]
(A_Ru:1467)
102Ru44 + 12 D* --> 87Rb37 + 39K19 + 186.935 MeV [35.275 MeV]
(A_Ru:1468)
102Ru44 + 12 D* --> 86Sr38 + 40Ar18 + 188.094 MeV [36.433 MeV]
(A_Ru:1469)
102Ru44 + 12 D* --> 88Sr38 + 38Ar18 + 191.167 MeV [39.506 MeV]
(A_Ru:1470)
102Ru44 + 12 D* --> 89Y39 + 37Cl17 + 187.994 MeV [36.333 MeV]
(A_Ru:1471)
102Ru44 + 12 D* --> 90Zr40 + 36S16 + 187.962 MeV [36.301 MeV]
(A_Ru:1472)
102Ru44 + 12 D* --> 92Zr40 + 34S16 + 186.916 MeV [35.256 MeV]
(A_Ru:1473)
102Ru44 + 12 D* --> 94Zr40 + 32S16 + 181.813 MeV [30.153 MeV]
(A_Ru:1474)
102Ru44 + 12 D* --> 96Mo42 + 30Si14 + 181.754 MeV [30.093 MeV]
(A_Ru:1475)
102Ru44 + 12 D* --> 97Mo42 + 29Si14 + 177.966 MeV [26.305 MeV]
(A_Ru:1476)
102Ru44 + 12 D* --> 98Mo42 + 28Si14 + 178.135 MeV [26.474 MeV]
(A_Ru:1477)
102Ru44 + 12 D* --> 100Ru44 + 26Mg12 + 173.964 MeV [22.304 MeV]
(A_Ru:1478)
102Ru44 + 12 D* --> 101Ru44 + 25Mg12 + 169.673 MeV [18.013 MeV]
(A_Ru:1479)
102Ru44 + 12 D* --> 102Ru44 + 24Mg12 + 171.562 MeV [19.902 MeV]
(A_Ru:1480)
102Ru44 + 12 D* --> 103Rh45 + 23Na11 + 166.083 MeV [14.422 MeV]
(A_Ru:1481)
102Ru44 + 12 D* --> 104Pd46 + 22Ne10 + 165.945 MeV [14.285 MeV]
(A_Ru:1482)
102Ru44 + 12 D* --> 105Pd46 + 21Ne10 + 162.675 MeV [11.015 MeV]
(A_Ru:1483)
102Ru44 + 12 D* --> 106Pd46 + 20Ne10 + 165.475 MeV [13.814 MeV]
(A_Ru:1484)
102Ru44 + 12 D* --> 107Ag47 + 19F9 + 158.420 MeV [6.759 MeV]

(A_Ru:1485)
102Ru44 + 12 D* --> 108Cd48 + 18O8 + 158.564 MeV [6.904 MeV]
(A_Ru:1486)
102Ru44 + 12 D* --> 110Cd48 + 16O8 + 163.621 MeV [11.960 MeV]
(A_Ru:1487)
102Ru44 + 12 D* --> 114Sn50 + 12C6 + 159.092 MeV [7.431 MeV]
(A_Ru:1488)

104Ru44 + 2 D* --> 82Se34 + 26Mg12 + 31.991 MeV [10.220 MeV]
(A_Ru:1489)
104Ru44 + 2 D* --> 86Kr36 + 22Ne10 + 29.473 MeV [7.701 MeV]
(A_Ru:1490)
104Ru44 + 2 D* --> 96Zr40 + 12C6 + 23.625 MeV [1.854 MeV]
(A_Ru:1491)
104Ru44 + 2 D* --> 104Ru44 + 4He2 + 23.847 MeV [2.075 MeV]
(A_Ru:1492)
104Ru44 + 2 D* --> 108Pd46 + 27.707 MeV [5.935 MeV]
(A_Ru:1493)

104Ru44 + 3 D* --> 96Zr40 + 14N7 + 33.898 MeV [00.718 MeV]
(A_Ru:1494)
104Ru44 + 3 D* --> 100Mo42 + 10B5 + 25.452 MeV [-7.727 MeV]
(A_Ru:1495)
104Ru44 + 3 D* --> 104Ru44 + 6Li3 + 25.320 MeV [-7.859 MeV]
(A_Ru:1496)
104Ru44 + 3 D* --> 108Pd46 + 2H1 + 27.707 MeV [-5.472 MeV]
(A_Ru:1497)

104Ru44 + 4 D* --> 64Ni28 + 48Ca20 + 75.767 MeV [30.837 MeV]
(A_Ru:1498)
104Ru44 + 4 D* --> 76Ge32 + 36S16 + 68.331 MeV [23.401 MeV]
(A_Ru:1499)
104Ru44 + 4 D* --> 82Se34 + 30Si14 + 66.481 MeV [21.551 MeV]
(A_Ru:1500)
104Ru44 + 4 D* --> 86Kr36 + 26Mg12 + 63.934 MeV [19.004 MeV]
(A_Ru:1501)
104Ru44 + 4 D* --> 94Zr40 + 18O8 + 52.502 MeV [7.572 MeV]
(A_Ru:1502)
104Ru44 + 4 D* --> 96Zr40 + 16O8 + 54.634 MeV [9.704 MeV]
(A_Ru:1503)
104Ru44 + 4 D* --> 100Mo42 + 12C6 + 50.638 MeV [5.708 MeV]
(A_Ru:1504)
104Ru44 + 4 D* --> 108Pd46 + 4He2 + 51.553 MeV [6.623 MeV]
(A_Ru:1505)
104Ru44 + 4 D* --> 112Cd48 + 55.035 MeV [10.104 MeV]
(A_Ru:1506)

104Ru44 + 5 D* --> 100Mo42 + 14N7 + 60.911 MeV [3.890 MeV]
(A_Ru:1507)
104Ru44 + 5 D* --> 104Ru44 + 10B5 + 53.628 MeV [-3.392 MeV]
(A_Ru:1508)
104Ru44 + 5 D* --> 108Pd46 + 6Li3 + 53.027 MeV [-3.993 MeV]
(A_Ru:1509)

104Ru44 + 5 D* --> 112Cd48 + 2H1 + 55.035 MeV [-1.986 MeV]
(A_Ru:1510)
104Ru44 + 5 D* --> 113Cd48 + 1H1 + 59.350 MeV [2.330 MeV]
(A_Ru:1511)

104Ru44 + 6 D* --> 68Zn30 + 48Ca20 + 104.947 MeV [35.501 MeV]
(A_Ru:1512)
104Ru44 + 6 D* --> 70Zn30 + 46Ca20 + 103.425 MeV [33.979 MeV]
(A_Ru:1513)
104Ru44 + 6 D* --> 76Ge32 + 40Ar18 + 98.978 MeV [29.532 MeV]
(A_Ru:1514)
104Ru44 + 6 D* --> 80Se34 + 36S16 + 99.149 MeV [29.703 MeV]
(A_Ru:1515)
104Ru44 + 6 D* --> 82Se34 + 34S16 + 98.251 MeV [28.805 MeV]
(A_Ru:1516)
104Ru44 + 6 D* --> 86Kr36 + 30Si14 + 98.424 MeV [28.978 MeV]
(A_Ru:1517)
104Ru44 + 6 D* --> 94Zr40 + 22Ne10 + 86.017 MeV [16.571 MeV]
(A_Ru:1518)
104Ru44 + 6 D* --> 96Zr40 + 20Ne10 + 83.210 MeV [13.764 MeV]
(A_Ru:1519)
104Ru44 + 6 D* --> 98Mo42 + 18O8 + 79.619 MeV [10.173 MeV]
(A_Ru:1520)
104Ru44 + 6 D* --> 100Mo42 + 16O8 + 81.647 MeV [12.201 MeV]
(A_Ru:1521)
104Ru44 + 6 D* --> 104Ru44 + 12C6 + 78.814 MeV [9.368 MeV]
(A_Ru:1522)
104Ru44 + 6 D* --> 109Ag47 + 7Li3 + 64.540 MeV [-4.906 MeV]
(A_Ru:1523)
104Ru44 + 6 D* --> 112Cd48 + 4He2 + 78.881 MeV [9.435 MeV]
(A_Ru:1524)
104Ru44 + 6 D* --> 113Cd48 + 3He2 + 64.844 MeV [-4.602 MeV]
(A_Ru:1525)
104Ru44 + 6 D* --> 115In49 + 1H1 + 72.973 MeV [3.527 MeV]
(A_Ru:1526)
104Ru44 + 6 D* --> 116Sn50 + 82.254 MeV [12.808 MeV]
(A_Ru:1527)

104Ru44 + 7 D* --> 104Ru44 + 14N7 + 89.087 MeV [6.883 MeV]
(A_Ru:1528)
104Ru44 + 7 D* --> 108Pd46 + 10B5 + 81.335 MeV [-0.869 MeV]
(A_Ru:1529)
104Ru44 + 7 D* --> 109Ag47 + 9Be4 + 81.236 MeV [-0.968 MeV]
(A_Ru:1530)
104Ru44 + 7 D* --> 111Cd48 + 7Li3 + 78.211 MeV [-3.993 MeV]
(A_Ru:1531)
104Ru44 + 7 D* --> 112Cd48 + 6Li3 + 80.355 MeV [-1.849 MeV]
(A_Ru:1532)
104Ru44 + 7 D* --> 115In49 + 3He2 + 78.467 MeV [-3.737 MeV]
(A_Ru:1533)
104Ru44 + 7 D* --> 116Sn50 + 2H1 + 82.254 MeV [00.050 MeV]
(A_Ru:1534)
104Ru44 + 7 D* --> 117Sn50 + 1H1 + 86.972 MeV [4.768 MeV]
(A_Ru:1535)

104Ru44 + 8 D* --> 70Zn30 + 50Ti22 + 137.988 MeV [42.697 MeV]
(A_Ru:1536)
104Ru44 + 8 D* --> 72Ge32 + 48Ca20 + 133.797 MeV [38.506 MeV]
(A_Ru:1537)
104Ru44 + 8 D* --> 74Ge32 + 46Ca20 + 133.554 MeV [38.263 MeV]
(A_Ru:1538)
104Ru44 + 8 D* --> 76Ge32 + 44Ca20 + 131.678 MeV [36.387 MeV]
(A_Ru:1539)
104Ru44 + 8 D* --> 80Se34 + 40Ar18 + 129.797 MeV [34.506 MeV]
(A_Ru:1540)
104Ru44 + 8 D* --> 82Se34 + 38Ar18 + 129.305 MeV [34.014 MeV]
(A_Ru:1541)
104Ru44 + 8 D* --> 84Kr36 + 36S16 + 130.092 MeV [34.801 MeV]
(A_Ru:1542)
104Ru44 + 8 D* --> 86Kr36 + 34S16 + 130.194 MeV [34.903 MeV]
(A_Ru:1543)
104Ru44 + 8 D* --> 94Zr40 + 26Mg12 + 120.478 MeV [25.187 MeV]
(A_Ru:1544)
104Ru44 + 8 D* --> 96Zr40 + 24Mg12 + 116.373 MeV [21.082 MeV]
(A_Ru:1545)
104Ru44 + 8 D* --> 98Mo42 + 22Ne10 + 113.133 MeV [17.842 MeV]
(A_Ru:1546)
104Ru44 + 8 D* --> 100Mo42 + 20Ne10 + 110.223 MeV [14.932 MeV]
(A_Ru:1547)
104Ru44 + 8 D* --> 102Ru44 + 18O8 + 106.876 MeV [11.585 MeV]
(A_Ru:1548)
104Ru44 + 8 D* --> 104Ru44 + 16O8 + 109.823 MeV [14.532 MeV]
(A_Ru:1549)
104Ru44 + 8 D* --> 108Pd46 + 12C6 + 106.521 MeV [11.230 MeV]
(A_Ru:1550)
104Ru44 + 8 D* --> 109Ag47 + 11B5 + 97.052 MeV [1.761 MeV]
(A_Ru:1551)
104Ru44 + 8 D* --> 111Cd48 + 9Be4 + 94.907 MeV [-0.384 MeV]
(A_Ru:1552)
104Ru44 + 8 D* --> 113In49 + 7Li3 + 91.458 MeV [-3.833 MeV]
(A_Ru:1553)
104Ru44 + 8 D* --> 116Sn50 + 4He2 + 106.100 MeV [10.809 MeV]
(A_Ru:1554)
104Ru44 + 8 D* --> 117Sn50 + 3He2 + 92.466 MeV [-2.825 MeV]
(A_Ru:1555)
104Ru44 + 8 D* --> 120Te52 + 106.401 MeV [11.110 MeV]
(A_Ru:1556)

104Ru44 + 9 D* --> 82Se34 + 40K19 + 141.262 MeV [32.558 MeV]
(A_Ru:1557)
104Ru44 + 9 D* --> 108Pd46 + 14N7 + 116.794 MeV [8.090 MeV]
(A_Ru:1558)
104Ru44 + 9 D* --> 109Ag47 + 13C6 + 115.730 MeV [7.026 MeV]
(A_Ru:1559)
104Ru44 + 9 D* --> 111Cd48 + 11B5 + 110.722 MeV [2.018 MeV]
(A_Ru:1560)
104Ru44 + 9 D* --> 112Cd48 + 10B5 + 108.662 MeV [-0.041 MeV]
(A_Ru:1561)

104Ru44 + 9 D* --> 113In49 + 9Be4 + 108.155 MeV [-0.549 MeV]
(A_Ru:1562)
104Ru44 + 9 D* --> 115Sn50 + 7Li3 + 105.260 MeV [-3.443 MeV]
(A_Ru:1563)
104Ru44 + 9 D* --> 116Sn50 + 6Li3 + 107.574 MeV [-1.130 MeV]
(A_Ru:1564)
104Ru44 + 9 D* --> 120Te52 + 2H1 + 106.401 MeV [-2.302 MeV]
(A_Ru:1565)

104Ru44 + 10 D* --> 70Zn30 + 54Cr24 + 169.766 MeV [47.326 MeV]
(A_Ru:1566)
104Ru44 + 10 D* --> 74Ge32 + 50Ti22 + 168.117 MeV [45.678 MeV]
(A_Ru:1567)
104Ru44 + 10 D* --> 76Ge32 + 48Ti22 + 164.969 MeV [42.530 MeV]
(A_Ru:1568)
104Ru44 + 10 D* --> 76Se34 + 48Ca20 + 162.735 MeV [40.295 MeV]
(A_Ru:1569)
104Ru44 + 10 D* --> 78Se34 + 46Ca20 + 163.430 MeV [40.990 MeV]
(A_Ru:1570)
104Ru44 + 10 D* --> 80Se34 + 44Ca20 + 162.497 MeV [40.057 MeV]
(A_Ru:1571)
104Ru44 + 10 D* --> 82Se34 + 42Ca20 + 159.409 MeV [36.970 MeV]
(A_Ru:1572)
104Ru44 + 10 D* --> 84Kr36 + 40Ar18 + 160.739 MeV [38.300 MeV]
(A_Ru:1573)
104Ru44 + 10 D* --> 86Kr36 + 38Ar18 + 161.248 MeV [38.809 MeV]
(A_Ru:1574)
104Ru44 + 10 D* --> 87Rb37 + 37Cl17 + 159.628 MeV [37.188 MeV]
(A_Ru:1575)
104Ru44 + 10 D* --> 88Sr38 + 36S16 + 161.854 MeV [39.415 MeV]
(A_Ru:1576)
104Ru44 + 10 D* --> 94Zr40 + 30Si14 + 154.968 MeV [32.529 MeV]
(A_Ru:1577)
104Ru44 + 10 D* --> 96Zr40 + 28Si14 + 150.204 MeV [27.765 MeV]
(A_Ru:1578)
104Ru44 + 10 D* --> 98Mo42 + 26Mg12 + 147.595 MeV [25.155 MeV]
(A_Ru:1579)
104Ru44 + 10 D* --> 100Mo42 + 24Mg12 + 143.386 MeV [20.947 MeV]
(A_Ru:1580)
104Ru44 + 10 D* --> 102Ru44 + 22Ne10 + 140.391 MeV [17.952 MeV]
(A_Ru:1581)
104Ru44 + 10 D* --> 104Ru44 + 20Ne10 + 138.399 MeV [15.960 MeV]
(A_Ru:1582)
104Ru44 + 10 D* --> 106Pd46 + 18O8 + 133.952 MeV [11.513 MeV]
(A_Ru:1583)
104Ru44 + 10 D* --> 108Pd46 + 16O8 + 137.530 MeV [15.090 MeV]
(A_Ru:1584)
104Ru44 + 10 D* --> 109Ag47 + 15N7 + 131.890 MeV [9.450 MeV]
(A_Ru:1585)
104Ru44 + 10 D* --> 111Cd48 + 13C6 + 129.401 MeV [6.961 MeV]
(A_Ru:1586)
104Ru44 + 10 D* --> 112Cd48 + 12C6 + 133.849 MeV [11.409 MeV]
(A_Ru:1587)
104Ru44 + 10 D* --> 113In49 + 11B5 + 123.970 MeV [1.531 MeV]

(A_Ru:1588)
104Ru44 + 10 D* --> 115Sn50 + 9Be4 + 121.957 MeV [-0.483 MeV]
(A_Ru:1589)
104Ru44 + 10 D* --> 120Te52 + 4He2 + 130.248 MeV [7.809 MeV]
(A_Ru:1590)
104Ru44 + 10 D* --> 124Xe54 + 130.928 MeV [8.489 MeV]
(A_Ru:1591)

104Ru44 + 11 D* --> 76Ge32 + 50V23 + 178.839 MeV [42.344 MeV]
(A_Ru:1592)
104Ru44 + 11 D* --> 86Kr36 + 40K19 + 173.205 MeV [36.710 MeV]
(A_Ru:1593)
104Ru44 + 11 D* --> 109Ag47 + 17O8 + 145.936 MeV [9.441 MeV]
(A_Ru:1594)
104Ru44 + 11 D* --> 111Cd48 + 15N7 + 145.560 MeV [9.066 MeV]
(A_Ru:1595)
104Ru44 + 11 D* --> 112Cd48 + 14N7 + 144.121 MeV [7.627 MeV]
(A_Ru:1596)
104Ru44 + 11 D* --> 113In49 + 13C6 + 142.649 MeV [6.154 MeV]
(A_Ru:1597)
104Ru44 + 11 D* --> 115Sn50 + 11B5 + 137.772 MeV [1.278 MeV]
(A_Ru:1598)
104Ru44 + 11 D* --> 116Sn50 + 10B5 + 135.881 MeV [-0.613 MeV]
(A_Ru:1599)
104Ru44 + 11 D* --> 120Te52 + 6Li3 + 131.722 MeV [-4.773 MeV]
(A_Ru:1600)
104Ru44 + 11 D* --> 124Xe54 + 2H1 + 130.928 MeV [-5.566 MeV]
(A_Ru:1601)

104Ru44 + 12 D* --> 64Ni28 + 64Ni28 + 203.738 MeV [52.872 MeV]
(A_Ru:1602)
104Ru44 + 12 D* --> 70Zn30 + 58Fe26 + 201.258 MeV [50.391 MeV]
(A_Ru:1603)
104Ru44 + 12 D* --> 74Ge32 + 54Cr24 + 199.895 MeV [49.028 MeV]
(A_Ru:1604)
104Ru44 + 12 D* --> 76Ge32 + 52Cr24 + 198.170 MeV [47.303 MeV]
(A_Ru:1605)
104Ru44 + 12 D* --> 78Se34 + 50Ti22 + 197.993 MeV [47.126 MeV]
(A_Ru:1606)
104Ru44 + 12 D* --> 80Se34 + 48Ti22 + 195.787 MeV [44.921 MeV]
(A_Ru:1607)
104Ru44 + 12 D* --> 82Se34 + 46Ti22 + 191.257 MeV [40.391 MeV]
(A_Ru:1608)
104Ru44 + 12 D* --> 80Kr36 + 48Ca20 + 191.646 MeV [40.780 MeV]
(A_Ru:1609)
104Ru44 + 12 D* --> 82Kr36 + 46Ca20 + 193.264 MeV [42.398 MeV]
(A_Ru:1610)
104Ru44 + 12 D* --> 84Kr36 + 44Ca20 + 193.439 MeV [42.573 MeV]
(A_Ru:1611)
104Ru44 + 12 D* --> 86Kr36 + 42Ca20 + 191.352 MeV [40.486 MeV]
(A_Ru:1612)
104Ru44 + 12 D* --> 87Rb37 + 41K19 + 189.697 MeV [38.830 MeV]
(A_Ru:1613)
104Ru44 + 12 D* --> 88Sr38 + 40Ar18 + 192.501 MeV [41.635 MeV]

(A_Ru:1614)
104Ru44 + 12 D* --> 92Zr40 + 36S16 + 188.658 MeV [37.791 MeV]
(A_Ru:1615)
104Ru44 + 12 D* --> 94Zr40 + 34S16 + 186.738 MeV [35.872 MeV]
(A_Ru:1616)
104Ru44 + 12 D* --> 96Zr40 + 32S16 + 180.998 MeV [30.132 MeV]
(A_Ru:1617)
104Ru44 + 12 D* --> 98Mo42 + 30Si14 + 182.084 MeV [31.218 MeV]
(A_Ru:1618)
104Ru44 + 12 D* --> 100Mo42 + 28Si14 + 177.217 MeV [26.350 MeV]
(A_Ru:1619)
104Ru44 + 12 D* --> 102Ru44 + 26Mg12 + 174.852 MeV [23.986 MeV]
(A_Ru:1620)
104Ru44 + 12 D* --> 104Ru44 + 24Mg12 + 171.562 MeV [20.696 MeV]
(A_Ru:1621)
104Ru44 + 12 D* --> 106Pd46 + 22Ne10 + 167.467 MeV [16.600 MeV]
(A_Ru:1622)
104Ru44 + 12 D* --> 108Pd46 + 20Ne10 + 166.106 MeV [15.239 MeV]
(A_Ru:1623)
104Ru44 + 12 D* --> 109Ag47 + 19F9 + 159.750 MeV [8.883 MeV]
(A_Ru:1624)
104Ru44 + 12 D* --> 110Cd48 + 18O8 + 160.674 MeV [9.808 MeV]
(A_Ru:1625)
104Ru44 + 12 D* --> 111Cd48 + 17O8 + 159.606 MeV [8.740 MeV]
(A_Ru:1626)
104Ru44 + 12 D* --> 112Cd48 + 16O8 + 164.857 MeV [13.991 MeV]
(A_Ru:1627)
104Ru44 + 12 D* --> 113In49 + 15N7 + 158.808 MeV [7.941 MeV]
(A_Ru:1628)
104Ru44 + 12 D* --> 115Sn50 + 13C6 + 156.451 MeV [5.584 MeV]
(A_Ru:1629)
104Ru44 + 12 D* --> 116Sn50 + 12C6 + 161.068 MeV [10.201 MeV]
(A_Ru:1630)
104Ru44 + 12 D* --> 124Xe54 + 4He2 + 154.775 MeV [3.908 MeV]
(A_Ru:1631)

---------- Equations follow for Rhodium, Rh, element 45 ----------

103Rh45 + D* --> 57Fe26 + 48Ca20 + 29.508 MeV [18.519 MeV] (A_Rh:1)
103Rh45 + D* --> 76Ge32 + 29Si14 + 20.222 MeV [9.233 MeV] (A_Rh:2)
103Rh45 + D* --> 80Se34 + 25Mg12 + 16.066 MeV [5.078 MeV] (A_Rh:3)
103Rh45 + D* --> 83Kr36 + 22Ne10 + 13.120 MeV [2.132 MeV] (A_Rh:4)
103Rh45 + D* --> 84Kr36 + 21Ne10 + 13.276 MeV [2.288 MeV] (A_Rh:5)
103Rh45 + D* --> 87Sr38 + 18O8 + 10.775 MeV [-0.213 MeV] (A_Rh:6)
103Rh45 + D* --> 88Sr38 + 17O8 + 13.844 MeV [2.856 MeV] (A_Rh:7)
103Rh45 + D* --> 92Zr40 + 13C6 + 10.442 MeV [-0.546 MeV] (A_Rh:8)
103Rh45 + D* --> 96Mo42 + 9Be4 + 2.556 MeV [-8.432 MeV] (A_Rh:9)
103Rh45 + D* --> 101Ru44 + 4He2 + 10.638 MeV [-0.350 MeV] (A_Rh:10)
103Rh45 + D* --> 105Pd46 + 13.526 MeV [2.538 MeV] (A_Rh:11)

103Rh45 + 2 D* --> 59Co27 + 48Ca20 + 44.692 MeV [22.367 MeV] (A_Rh:12)
103Rh45 + 2 D* --> 70Zn30 + 37Cl17 + 39.575 MeV [17.251 MeV] (A_Rh:13)
103Rh45 + 2 D* --> 71Ga31 + 36S16 + 39.054 MeV [16.729 MeV] (A_Rh:14)
103Rh45 + 2 D* --> 76Ge32 + 31P15 + 35.903 MeV [13.579 MeV] (A_Rh:15)

103Rh45 + 2 D* --> 80Se34 + 27Al13 + 33.206 MeV [10.881 MeV] (A_Rh:16)
103Rh45 + 2 D* --> 81Br35 + 26Mg12 + 32.439 MeV [10.114 MeV] (A_Rh:17)
103Rh45 + 2 D* --> 84Kr36 + 23Na11 + 30.210 MeV [7.886 MeV] (A_Rh:18)
103Rh45 + 2 D* --> 85Rb37 + 22Ne10 + 28.441 MeV [6.117 MeV] (A_Rh:19)
103Rh45 + 2 D* --> 87Rb37 + 20Ne10 + 29.889 MeV [7.565 MeV] (A_Rh:20)
103Rh45 + 2 D* --> 88Sr38 + 19F9 + 27.658 MeV [5.334 MeV] (A_Rh:21)
103Rh45 + 2 D* --> 89Y39 + 18O8 + 26.733 MeV [4.408 MeV] (A_Rh:22)
103Rh45 + 2 D* --> 92Zr40 + 15N7 + 26.602 MeV [4.277 MeV] (A_Rh:23)
103Rh45 + 2 D* --> 96Mo42 + 11B5 + 18.372 MeV [-3.953 MeV] (A_Rh:24)
103Rh45 + 2 D* --> 97Mo42 + 10B5 + 13.739 MeV [-8.585 MeV] (A_Rh:25)
103Rh45 + 2 D* --> 100Ru44 + 7Li3 + 12.560 MeV [-9.764 MeV] (A_Rh:26)
103Rh45 + 2 D* --> 101Ru44 + 6Li3 + 12.112 MeV [-10.212 MeV] (A_Rh:27)
103Rh45 + 2 D* --> 103Rh45 + 4He2 + 23.847 MeV [1.522 MeV] (A_Rh:28)
103Rh45 + 2 D* --> 105Pd46 + 2H1 + 13.526 MeV [-8.798 MeV] (A_Rh:29)
103Rh45 + 2 D* --> 106Pd46 + 1H1 + 20.863 MeV [-1.462 MeV] (A_Rh:30)
103Rh45 + 2 D* --> 107Ag47 + 26.651 MeV [4.327 MeV] (A_Rh:31)

103Rh45 + 3 D* --> 61Ni28 + 48Ca20 + 59.820 MeV [25.816 MeV] (A_Rh:32)
103Rh45 + 3 D* --> 73Ge32 + 36S16 + 53.347 MeV [19.343 MeV] (A_Rh:33)
103Rh45 + 3 D* --> 76Ge32 + 33S16 + 51.184 MeV [17.180 MeV] (A_Rh:34)
103Rh45 + 3 D* --> 80Se34 + 29Si14 + 51.040 MeV [17.036 MeV] (A_Rh:35)
103Rh45 + 3 D* --> 83Kr36 + 26Mg12 + 47.581 MeV [13.577 MeV] (A_Rh:36)
103Rh45 + 3 D* --> 84Kr36 + 25Mg12 + 47.009 MeV [13.005 MeV] (A_Rh:37)
103Rh45 + 3 D* --> 87Sr38 + 22Ne10 + 44.290 MeV [10.286 MeV] (A_Rh:38)
103Rh45 + 3 D* --> 88Sr38 + 21Ne10 + 45.038 MeV [11.035 MeV] (A_Rh:39)
103Rh45 + 3 D* --> 91Zr40 + 18O8 + 40.057 MeV [6.053 MeV] (A_Rh:40)
103Rh45 + 3 D* --> 92Zr40 + 17O8 + 40.648 MeV [6.644 MeV] (A_Rh:41)
103Rh45 + 3 D* --> 96Mo42 + 13C6 + 37.050 MeV [3.047 MeV] (A_Rh:42)
103Rh45 + 3 D* --> 97Mo42 + 12C6 + 38.925 MeV [4.921 MeV] (A_Rh:43)
103Rh45 + 3 D* --> 100Ru44 + 9Be4 + 29.256 MeV [-4.748 MeV] (A_Rh:44)
103Rh45 + 3 D* --> 103Rh45 + 6Li3 + 25.320 MeV [-8.684 MeV] (A_Rh:45)
103Rh45 + 3 D* --> 105Pd46 + 4He2 + 37.373 MeV [3.369 MeV] (A_Rh:46)
103Rh45 + 3 D* --> 106Pd46 + 3He2 + 26.356 MeV [-7.648 MeV] (A_Rh:47)
103Rh45 + 3 D* --> 107Ag47 + 2H1 + 26.651 MeV [-7.353 MeV] (A_Rh:48)

103Rh45 + 4 D* --> 63Cu29 + 48Ca20 + 74.314 MeV [28.291 MeV] (A_Rh:49)
103Rh45 + 4 D* --> 65Cu29 + 46Ca20 + 74.919 MeV [28.896 MeV] (A_Rh:50)
103Rh45 + 4 D* --> 70Zn30 + 41K19 + 69.644 MeV [23.621 MeV] (A_Rh:51)
103Rh45 + 4 D* --> 71Ga31 + 40Ar18 + 69.701 MeV [23.677 MeV] (A_Rh:52)
103Rh45 + 4 D* --> 74Ge32 + 37Cl17 + 69.705 MeV [23.681 MeV] (A_Rh:53)
103Rh45 + 4 D* --> 76Ge32 + 35Cl17 + 66.747 MeV [20.724 MeV] (A_Rh:54)
103Rh45 + 4 D* --> 75As33 + 36S16 + 68.217 MeV [22.194 MeV] (A_Rh:55)
103Rh45 + 4 D* --> 80Se34 + 31P15 + 66.722 MeV [20.698 MeV] (A_Rh:56)
103Rh45 + 4 D* --> 81Br35 + 30Si14 + 66.928 MeV [20.905 MeV] (A_Rh:57)
103Rh45 + 4 D* --> 84Kr36 + 27Al13 + 64.148 MeV [18.125 MeV] (A_Rh:58)
103Rh45 + 4 D* --> 85Rb37 + 26Mg12 + 62.903 MeV [16.879 MeV] (A_Rh:59)
103Rh45 + 4 D* --> 87Rb37 + 24Mg12 + 63.052 MeV [17.029 MeV] (A_Rh:60)
103Rh45 + 4 D* --> 88Sr38 + 23Na11 + 61.972 MeV [15.949 MeV] (A_Rh:61)
103Rh45 + 4 D* --> 89Y39 + 22Ne10 + 60.247 MeV [14.224 MeV] (A_Rh:62)
103Rh45 + 4 D* --> 92Zr40 + 19F9 + 54.462 MeV [8.438 MeV] (A_Rh:63)
103Rh45 + 4 D* --> 93Nb41 + 18O8 + 52.511 MeV [6.487 MeV] (A_Rh:64)
103Rh45 + 4 D* --> 96Mo42 + 15N7 + 53.210 MeV [7.186 MeV] (A_Rh:65)
103Rh45 + 4 D* --> 97Mo42 + 14N7 + 49.198 MeV [3.174 MeV] (A_Rh:66)
103Rh45 + 4 D* --> 100Ru44 + 11B5 + 45.072 MeV [-0.952 MeV] (A_Rh:67)

103Rh45 + 4 D* --> 101Ru44 + 10B5 + 40.420 MeV [-5.604 MeV] (A_Rh:68)
103Rh45 + 4 D* --> 104Pd46 + 7Li3 + 39.003 MeV [-7.021 MeV] (A_Rh:69)
103Rh45 + 4 D* --> 105Pd46 + 6Li3 + 38.847 MeV [-7.177 MeV] (A_Rh:70)
103Rh45 + 4 D* --> 107Ag47 + 4He2 + 50.498 MeV [4.474 MeV] (A_Rh:71)
103Rh45 + 4 D* --> 110Cd48 + 1H1 + 47.585 MeV [1.561 MeV] (A_Rh:72)

103Rh45 + 5 D* --> 64Ni28 + 49Ti22 + 93.315 MeV [34.935 MeV] (A_Rh:73)
103Rh45 + 5 D* --> 67Zn30 + 46Ca20 + 88.672 MeV [30.293 MeV] (A_Rh:74)
103Rh45 + 5 D* --> 70Zn30 + 43Ca20 + 85.630 MeV [27.250 MeV] (A_Rh:75)
103Rh45 + 5 D* --> 73Ge32 + 40Ar18 + 83.994 MeV [25.615 MeV] (A_Rh:76)
103Rh45 + 5 D* --> 77Se34 + 36S16 + 82.920 MeV [24.541 MeV] (A_Rh:77)
103Rh45 + 5 D* --> 80Se34 + 33S16 + 82.002 MeV [23.623 MeV] (A_Rh:78)
103Rh45 + 5 D* --> 83Kr36 + 30Si14 + 82.071 MeV [23.692 MeV] (A_Rh:79)
103Rh45 + 5 D* --> 84Kr36 + 29Si14 + 81.982 MeV [23.603 MeV] (A_Rh:80)
103Rh45 + 5 D* --> 87Sr38 + 26Mg12 + 78.751 MeV [20.372 MeV] (A_Rh:81)
103Rh45 + 5 D* --> 88Sr38 + 25Mg12 + 78.771 MeV [20.392 MeV] (A_Rh:82)
103Rh45 + 5 D* --> 91Zr40 + 22Ne10 + 73.572 MeV [15.192 MeV] (A_Rh:83)
103Rh45 + 5 D* --> 92Zr40 + 21Ne10 + 71.842 MeV [13.463 MeV] (A_Rh:84)
103Rh45 + 5 D* --> 95Mo42 + 18O8 + 66.145 MeV [7.766 MeV] (A_Rh:85)
103Rh45 + 5 D* --> 96Mo42 + 17O8 + 67.256 MeV [8.876 MeV] (A_Rh:86)
103Rh45 + 5 D* --> 97Mo42 + 16O8 + 69.934 MeV [11.555 MeV] (A_Rh:87)
103Rh45 + 5 D* --> 100Ru44 + 13C6 + 63.750 MeV [5.371 MeV] (A_Rh:88)
103Rh45 + 5 D* --> 101Ru44 + 12C6 + 65.606 MeV [7.227 MeV] (A_Rh:89)
103Rh45 + 5 D* --> 103Rh45 + 10B5 + 53.628 MeV [-4.751 MeV] (A_Rh:90)
103Rh45 + 5 D* --> 104Pd46 + 9Be4 + 55.699 MeV [-2.681 MeV] (A_Rh:91)
103Rh45 + 5 D* --> 107Ag47 + 6Li3 + 51.971 MeV [-6.408 MeV] (A_Rh:92)
103Rh45 + 5 D* --> 110Cd48 + 3He2 + 53.078 MeV [-5.301 MeV] (A_Rh:93)

103Rh45 + 6 D* --> 64Ni28 + 51V23 + 110.093 MeV [39.025 MeV] (A_Rh:94)
103Rh45 + 6 D* --> 65Cu29 + 50Ti22 + 109.482 MeV [38.414 MeV] (A_Rh:95)
103Rh45 + 6 D* --> 70Zn30 + 45Sc21 + 101.425 MeV [30.357 MeV] (A_Rh:96)
103Rh45 + 6 D* --> 69Ga31 + 46Ca20 + 103.255 MeV [32.187 MeV] (A_Rh:97)
103Rh45 + 6 D* --> 71Ga31 + 44Ca20 + 102.401 MeV [31.333 MeV] (A_Rh:98)
103Rh45 + 6 D* --> 74Ge32 + 41K19 + 99.774 MeV [28.706 MeV] (A_Rh:99)
103Rh45 + 6 D* --> 76Ge32 + 39K19 + 97.812 MeV [26.744 MeV] (A_Rh:100)
103Rh45 + 6 D* --> 75As33 + 40Ar18 + 98.864 MeV [27.796 MeV] (A_Rh:101)
103Rh45 + 6 D* --> 78Se34 + 37Cl17 + 99.580 MeV [28.512 MeV] (A_Rh:102)
103Rh45 + 6 D* --> 80Se34 + 35Cl17 + 97.566 MeV [26.498 MeV] (A_Rh:103)
103Rh45 + 6 D* --> 79Br35 + 36S16 + 97.525 MeV [26.457 MeV] (A_Rh:104)
103Rh45 + 6 D* --> 81Br35 + 34S16 + 98.699 MeV [27.631 MeV] (A_Rh:105)
103Rh45 + 6 D* --> 84Kr36 + 31P15 + 97.664 MeV [26.596 MeV] (A_Rh:106)
103Rh45 + 6 D* --> 85Rb37 + 30Si14 + 97.392 MeV [26.324 MeV] (A_Rh:107)
103Rh45 + 6 D* --> 87Rb37 + 28Si14 + 96.883 MeV [25.815 MeV] (A_Rh:108)
103Rh45 + 6 D* --> 88Sr38 + 27Al13 + 95.911 MeV [24.842 MeV] (A_Rh:109)
103Rh45 + 6 D* --> 89Y39 + 26Mg12 + 94.708 MeV [23.640 MeV] (A_Rh:110)
103Rh45 + 6 D* --> 92Zr40 + 23Na11 + 88.776 MeV [17.708 MeV] (A_Rh:111)
103Rh45 + 6 D* --> 93Nb41 + 22Ne10 + 86.025 MeV [14.957 MeV] (A_Rh:112)
103Rh45 + 6 D* --> 96Mo42 + 19F9 + 81.070 MeV [10.002 MeV] (A_Rh:113)
103Rh45 + 6 D* --> 100Ru44 + 15N7 + 79.910 MeV [8.842 MeV] (A_Rh:114)
103Rh45 + 6 D* --> 101Ru44 + 14N7 + 75.878 MeV [4.810 MeV] (A_Rh:115)
103Rh45 + 6 D* --> 103Rh45 + 12C6 + 78.814 MeV [7.746 MeV] (A_Rh:116)
103Rh45 + 6 D* --> 104Pd46 + 11B5 + 71.514 MeV [00.446 MeV] (A_Rh:117)
103Rh45 + 6 D* --> 105Pd46 + 10B5 + 67.154 MeV [-3.914 MeV] (A_Rh:118)
103Rh45 + 6 D* --> 108Cd48 + 7Li3 + 65.136 MeV [-5.932 MeV] (A_Rh:119)

103Rh45 + 6 D* --> 114Sn50 + 1H1 + 74.064 MeV [2.996 MeV] (A_Rh:120)

103Rh45 + 7 D* --> 64Ni28 + 53Cr24 + 126.312 MeV [42.226 MeV] (A_Rh:121)
103Rh45 + 7 D* --> 67Zn30 + 50Ti22 + 123.235 MeV [39.149 MeV] (A_Rh:122)
103Rh45 + 7 D* --> 68Zn30 + 49Ti22 + 122.494 MeV [38.408 MeV] (A_Rh:123)
103Rh45 + 7 D* --> 70Zn30 + 47Ti22 + 118.425 MeV [34.339 MeV] (A_Rh:124)
103Rh45 + 7 D* --> 73Ge32 + 44Ca20 + 116.694 MeV [32.608 MeV] (A_Rh:125)
103Rh45 + 7 D* --> 74Ge32 + 43Ca20 + 115.759 MeV [31.673 MeV] (A_Rh:126)
103Rh45 + 7 D* --> 77Se34 + 40Ar18 + 113.567 MeV [29.481 MeV] (A_Rh:127)
103Rh45 + 7 D* --> 83Kr36 + 34S16 + 113.841 MeV [29.755 MeV] (A_Rh:128)
103Rh45 + 7 D* --> 84Kr36 + 33S16 + 112.945 MeV [28.859 MeV] (A_Rh:129)
103Rh45 + 7 D* --> 87Sr38 + 30Si14 + 113.241 MeV [29.155 MeV] (A_Rh:130)
103Rh45 + 7 D* --> 88Sr38 + 29Si14 + 113.745 MeV [29.658 MeV] (A_Rh:131)
103Rh45 + 7 D* --> 91Zr40 + 26Mg12 + 108.033 MeV [23.947 MeV] (A_Rh:132)
103Rh45 + 7 D* --> 92Zr40 + 25Mg12 + 105.575 MeV [21.488 MeV] (A_Rh:133)
103Rh45 + 7 D* --> 95Mo42 + 22Ne10 + 99.660 MeV [15.574 MeV] (A_Rh:134)
103Rh45 + 7 D* --> 96Mo42 + 21Ne10 + 98.450 MeV [14.364 MeV] (A_Rh:135)
103Rh45 + 7 D* --> 97Mo42 + 20Ne10 + 98.510 MeV [14.424 MeV] (A_Rh:136)
103Rh45 + 7 D* --> 99Ru44 + 18O8 + 92.326 MeV [8.240 MeV] (A_Rh:137)
103Rh45 + 7 D* --> 100Ru44 + 17O8 + 93.956 MeV [9.869 MeV] (A_Rh:138)
103Rh45 + 7 D* --> 101Ru44 + 16O8 + 96.615 MeV [12.528 MeV] (A_Rh:139)
103Rh45 + 7 D* --> 103Rh45 + 14N7 + 89.087 MeV [5.000 MeV] (A_Rh:140)
103Rh45 + 7 D* --> 104Pd46 + 13C6 + 90.193 MeV [6.107 MeV] (A_Rh:141)
103Rh45 + 7 D* --> 105Pd46 + 12C6 + 92.341 MeV [8.254 MeV] (A_Rh:142)
103Rh45 + 7 D* --> 107Ag47 + 10B5 + 80.279 MeV [-3.807 MeV] (A_Rh:143)
103Rh45 + 7 D* --> 108Cd48 + 9Be4 + 81.833 MeV [-2.254 MeV] (A_Rh:144)
103Rh45 + 7 D* --> 114Sn50 + 3He2 + 79.558 MeV [-4.529 MeV] (A_Rh:145)

103Rh45 + 8 D* --> 64Ni28 + 55Mn25 + 141.873 MeV [44.443 MeV] (A_Rh:146)
103Rh45 + 8 D* --> 65Cu29 + 54Cr24 + 141.260 MeV [43.829 MeV] (A_Rh:147)
103Rh45 + 8 D* --> 68Zn30 + 51V23 + 139.272 MeV [41.841 MeV] (A_Rh:148)
103Rh45 + 8 D* --> 69Ga31 + 50Ti22 + 137.818 MeV [40.387 MeV] (A_Rh:149)
103Rh45 + 8 D* --> 71Ga31 + 48Ti22 + 135.692 MeV [38.261 MeV] (A_Rh:150)
103Rh45 + 8 D* --> 74Ge32 + 45Sc21 + 131.554 MeV [34.123 MeV] (A_Rh:151)
103Rh45 + 8 D* --> 75As33 + 44Ca20 + 131.564 MeV [34.134 MeV] (A_Rh:152)
103Rh45 + 8 D* --> 78Se34 + 41K19 + 129.649 MeV [32.218 MeV] (A_Rh:153)
103Rh45 + 8 D* --> 80Se34 + 39K19 + 128.631 MeV [31.200 MeV] (A_Rh:154)
103Rh45 + 8 D* --> 79Br35 + 40Ar18 + 128.172 MeV [30.741 MeV] (A_Rh:155)
103Rh45 + 8 D* --> 81Br35 + 38Ar18 + 129.753 MeV [32.322 MeV] (A_Rh:156)
103Rh45 + 8 D* --> 82Kr36 + 37Cl17 + 129.415 MeV [31.984 MeV] (A_Rh:157)
103Rh45 + 8 D* --> 84Kr36 + 35Cl17 + 128.508 MeV [31.077 MeV] (A_Rh:158)
103Rh45 + 8 D* --> 85Rb37 + 34S16 + 129.163 MeV [31.732 MeV] (A_Rh:159)
103Rh45 + 8 D* --> 87Rb37 + 32S16 + 127.677 MeV [30.246 MeV] (A_Rh:160)
103Rh45 + 8 D* --> 88Sr38 + 31P15 + 129.426 MeV [31.995 MeV] (A_Rh:161)
103Rh45 + 8 D* --> 89Y39 + 30Si14 + 129.198 MeV [31.767 MeV] (A_Rh:162)
103Rh45 + 8 D* --> 92Zr40 + 27Al13 + 122.714 MeV [25.283 MeV] (A_Rh:163)
103Rh45 + 8 D* --> 93Nb41 + 26Mg12 + 120.486 MeV [23.056 MeV] (A_Rh:164)
103Rh45 + 8 D* --> 96Mo42 + 23Na11 + 115.384 MeV [17.953 MeV] (A_Rh:165)
103Rh45 + 8 D* --> 100Ru44 + 19F9 + 107.770 MeV [10.339 MeV] (A_Rh:166)
103Rh45 + 8 D* --> 103Rh45 + 16O8 + 109.823 MeV [12.392 MeV] (A_Rh:167)
103Rh45 + 8 D* --> 104Pd46 + 15N7 + 106.352 MeV [8.921 MeV] (A_Rh:168)
103Rh45 + 8 D* --> 105Pd46 + 14N7 + 102.613 MeV [5.182 MeV] (A_Rh:169)
103Rh45 + 8 D* --> 107Ag47 + 12C6 + 105.465 MeV [8.034 MeV] (A_Rh:170)
103Rh45 + 8 D* --> 108Cd48 + 11B5 + 97.648 MeV [00.217 MeV] (A_Rh:171)

103Rh45 + 8 D* --> 112Sn50 + 7Li3 + 90.817 MeV [-6.614 MeV] (A_Rh:172)

103Rh45 + 9 D* --> 64Ni28 + 57Fe26 + 157.479 MeV [46.380 MeV] (A_Rh:173)
103Rh45 + 9 D* --> 67Zn30 + 54Cr24 + 155.012 MeV [43.914 MeV] (A_Rh:174)
103Rh45 + 9 D* --> 68Zn30 + 53Cr24 + 155.491 MeV [44.393 MeV] (A_Rh:175)
103Rh45 + 9 D* --> 71Ga31 + 50V23 + 149.561 MeV [38.462 MeV] (A_Rh:176)
103Rh45 + 9 D* --> 72Ge32 + 49Ti22 + 151.344 MeV [40.245 MeV] (A_Rh:177)
103Rh45 + 9 D* --> 73Ge32 + 48Ti22 + 149.985 MeV [38.886 MeV] (A_Rh:178)
103Rh45 + 9 D* --> 74Ge32 + 47Ti22 + 148.554 MeV [37.455 MeV] (A_Rh:179)
103Rh45 + 9 D* --> 77Se34 + 44Ca20 + 146.267 MeV [35.169 MeV] (A_Rh:180)
103Rh45 + 9 D* --> 78Se34 + 43Ca20 + 145.634 MeV [34.535 MeV] (A_Rh:181)
103Rh45 + 9 D* --> 81Br35 + 40K19 + 141.709 MeV [30.611 MeV] (A_Rh:182)
103Rh45 + 9 D* --> 83Kr36 + 38Ar18 + 144.896 MeV [33.797 MeV] (A_Rh:183)
103Rh45 + 9 D* --> 87Sr38 + 34S16 + 145.012 MeV [33.913 MeV] (A_Rh:184)
103Rh45 + 9 D* --> 88Sr38 + 33S16 + 144.707 MeV [33.608 MeV] (A_Rh:185)
103Rh45 + 9 D* --> 91Zr40 + 30Si14 + 142.523 MeV [31.424 MeV] (A_Rh:186)
103Rh45 + 9 D* --> 92Zr40 + 29Si14 + 140.548 MeV [29.450 MeV] (A_Rh:187)
103Rh45 + 9 D* --> 95Mo42 + 26Mg12 + 134.121 MeV [23.023 MeV] (A_Rh:188)
103Rh45 + 9 D* --> 96Mo42 + 25Mg12 + 132.183 MeV [21.084 MeV] (A_Rh:189)
103Rh45 + 9 D* --> 97Mo42 + 24Mg12 + 131.673 MeV [20.575 MeV] (A_Rh:190)
103Rh45 + 9 D* --> 99Ru44 + 22Ne10 + 125.841 MeV [14.742 MeV] (A_Rh:191)
103Rh45 + 9 D* --> 100Ru44 + 21Ne10 + 125.150 MeV [14.051 MeV] (A_Rh:192)
103Rh45 + 9 D* --> 101Ru44 + 20Ne10 + 125.191 MeV [14.092 MeV] (A_Rh:193)
103Rh45 + 9 D* --> 104Pd46 + 17O8 + 120.398 MeV [9.299 MeV] (A_Rh:194)
103Rh45 + 9 D* --> 105Pd46 + 16O8 + 123.349 MeV [12.250 MeV] (A_Rh:195)
103Rh45 + 9 D* --> 107Ag47 + 14N7 + 115.738 MeV [4.639 MeV] (A_Rh:196)
103Rh45 + 9 D* --> 108Cd48 + 13C6 + 116.327 MeV [5.228 MeV] (A_Rh:197)
103Rh45 + 9 D* --> 112Sn50 + 9Be4 + 107.513 MeV [-3.586 MeV] (A_Rh:198)

103Rh45 + 10 D* --> 64Ni28 + 59Co27 + 172.663 MeV [47.576 MeV] (A_Rh:199)
103Rh45 + 10 D* --> 65Cu29 + 58Fe26 + 172.752 MeV [47.665 MeV] (A_Rh:200)
103Rh45 + 10 D* --> 68Zn30 + 55Mn25 + 171.053 MeV [45.966 MeV] (A_Rh:201)
103Rh45 + 10 D* --> 69Ga31 + 54Cr24 + 169.595 MeV [44.509 MeV] (A_Rh:202)
103Rh45 + 10 D* --> 71Ga31 + 52Cr24 + 168.892 MeV [43.805 MeV] (A_Rh:203)
103Rh45 + 10 D* --> 72Ge32 + 51V23 + 168.122 MeV [43.036 MeV] (A_Rh:204)
103Rh45 + 10 D* --> 73Ge32 + 50V23 + 163.854 MeV [38.767 MeV] (A_Rh:205)
103Rh45 + 10 D* --> 75As33 + 48Ti22 + 164.855 MeV [39.768 MeV] (A_Rh:206)
103Rh45 + 10 D* --> 78Se34 + 45Sc21 + 161.429 MeV [36.342 MeV] (A_Rh:207)
103Rh45 + 10 D* --> 79Br35 + 44Ca20 + 160.872 MeV [35.785 MeV] (A_Rh:208)
103Rh45 + 10 D* --> 81Br35 + 42Ca20 + 159.857 MeV [34.770 MeV] (A_Rh:209)
103Rh45 + 10 D* --> 82Kr36 + 41K19 + 159.484 MeV [34.397 MeV] (A_Rh:210)
103Rh45 + 10 D* --> 83Kr36 + 40K19 + 156.852 MeV [31.765 MeV] (A_Rh:211)
103Rh45 + 10 D* --> 84Kr36 + 39K19 + 159.573 MeV [34.486 MeV] (A_Rh:212)
103Rh45 + 10 D* --> 85Rb37 + 38Ar18 + 160.217 MeV [35.130 MeV] (A_Rh:213)
103Rh45 + 10 D* --> 87Rb37 + 36Ar18 + 158.164 MeV [33.078 MeV] (A_Rh:214)
103Rh45 + 10 D* --> 86Sr38 + 37Cl17 + 159.620 MeV [34.533 MeV] (A_Rh:215)
103Rh45 + 10 D* --> 88Sr38 + 35Cl17 + 160.270 MeV [35.184 MeV] (A_Rh:216)
103Rh45 + 10 D* --> 89Y39 + 34S16 + 160.969 MeV [35.882 MeV] (A_Rh:217)
103Rh45 + 10 D* --> 92Zr40 + 31P15 + 156.230 MeV [31.143 MeV] (A_Rh:218)
103Rh45 + 10 D* --> 93Nb41 + 30Si14 + 154.976 MeV [29.890 MeV] (A_Rh:219)
103Rh45 + 10 D* --> 96Mo42 + 27Al13 + 149.322 MeV [24.235 MeV] (A_Rh:220)
103Rh45 + 10 D* --> 100Ru44 + 23Na11 + 142.084 MeV [16.997 MeV] (A_Rh:221)
103Rh45 + 10 D* --> 103Rh45 + 20Ne10 + 138.399 MeV [13.312 MeV] (A_Rh:222)
103Rh45 + 10 D* --> 104Pd46 + 19F9 + 134.212 MeV [9.126 MeV] (A_Rh:223)

103Rh45 + 10 D* --> 107Ag47 + 16O8 + 136.474 MeV [11.387 MeV] (A_Rh:224)
103Rh45 + 10 D* --> 108Cd48 + 15N7 + 132.486 MeV [7.399 MeV] (A_Rh:225)
103Rh45 + 10 D* --> 112Sn50 + 11B5 + 123.328 MeV [-1.758 MeV] (A_Rh:226)

103Rh45 + 11 D* --> 64Ni28 + 61Ni28 + 187.791 MeV [48.399 MeV] (A_Rh:227)
103Rh45 + 11 D* --> 67Zn30 + 58Fe26 + 186.505 MeV [47.113 MeV] (A_Rh:228)
103Rh45 + 11 D* --> 68Zn30 + 57Fe26 + 186.658 MeV [47.266 MeV] (A_Rh:229)
103Rh45 + 11 D* --> 72Ge32 + 53Cr24 + 184.341 MeV [44.949 MeV] (A_Rh:230)
103Rh45 + 11 D* --> 73Ge32 + 52Cr24 + 183.185 MeV [43.793 MeV] (A_Rh:231)
103Rh45 + 11 D* --> 75As33 + 50V23 + 178.725 MeV [39.333 MeV] (A_Rh:232)
103Rh45 + 11 D* --> 76Se34 + 49Ti22 + 180.282 MeV [40.890 MeV] (A_Rh:233)
103Rh45 + 11 D* --> 77Se34 + 48Ti22 + 179.558 MeV [40.166 MeV] (A_Rh:234)
103Rh45 + 11 D* --> 78Se34 + 47Ti22 + 178.429 MeV [39.037 MeV] (A_Rh:235)
103Rh45 + 11 D* --> 82Kr36 + 43Ca20 + 175.469 MeV [36.077 MeV] (A_Rh:236)
103Rh45 + 11 D* --> 83Kr36 + 42Ca20 + 175.000 MeV [35.608 MeV] (A_Rh:237)
103Rh45 + 11 D* --> 85Rb37 + 40K19 + 172.173 MeV [32.781 MeV] (A_Rh:238)
103Rh45 + 11 D* --> 87Sr38 + 38Ar18 + 176.066 MeV [36.674 MeV] (A_Rh:239)
103Rh45 + 11 D* --> 91Zr40 + 34S16 + 174.293 MeV [34.901 MeV] (A_Rh:240)
103Rh45 + 11 D* --> 92Zr40 + 33S16 + 171.511 MeV [32.119 MeV] (A_Rh:241)
103Rh45 + 11 D* --> 95Mo42 + 30Si14 + 168.611 MeV [29.219 MeV] (A_Rh:242)
103Rh45 + 11 D* --> 96Mo42 + 29Si14 + 167.156 MeV [27.764 MeV] (A_Rh:243)
103Rh45 + 11 D* --> 97Mo42 + 28Si14 + 165.504 MeV [26.112 MeV] (A_Rh:244)
103Rh45 + 11 D* --> 99Ru44 + 26Mg12 + 160.302 MeV [20.910 MeV] (A_Rh:245)
103Rh45 + 11 D* --> 100Ru44 + 25Mg12 + 158.883 MeV [19.491 MeV] (A_Rh:246)
103Rh45 + 11 D* --> 101Ru44 + 24Mg12 + 158.354 MeV [18.962 MeV] (A_Rh:247)
103Rh45 + 11 D* --> 104Pd46 + 21Ne10 + 151.593 MeV [12.201 MeV] (A_Rh:248)
103Rh45 + 11 D* --> 105Pd46 + 20Ne10 + 151.926 MeV [12.534 MeV] (A_Rh:249)
103Rh45 + 11 D* --> 108Cd48 + 17O8 + 146.532 MeV [7.140 MeV] (A_Rh:250)
103Rh45 + 11 D* --> 112Sn50 + 13C6 + 142.007 MeV [2.615 MeV] (A_Rh:251)

103Rh45 + 12 D* --> 64Ni28 + 63Cu29 + 202.285 MeV [48.274 MeV] (A_Rh:252)
103Rh45 + 12 D* --> 65Cu29 + 62Ni28 + 203.616 MeV [49.604 MeV] (A_Rh:253)
103Rh45 + 12 D* --> 68Zn30 + 59Co27 + 201.842 MeV [47.830 MeV] (A_Rh:254)
103Rh45 + 12 D* --> 69Ga31 + 58Fe26 + 201.088 MeV [47.076 MeV] (A_Rh:255)
103Rh45 + 12 D* --> 71Ga31 + 56Fe26 + 200.352 MeV [46.340 MeV] (A_Rh:256)
103Rh45 + 12 D* --> 72Ge32 + 55Mn25 + 199.903 MeV [45.891 MeV] (A_Rh:257)
103Rh45 + 12 D* --> 75As33 + 52Cr24 + 198.056 MeV [44.044 MeV] (A_Rh:258)
103Rh45 + 12 D* --> 76Se34 + 51V23 + 197.060 MeV [43.048 MeV] (A_Rh:259)
103Rh45 + 12 D* --> 77Se34 + 50V23 + 193.428 MeV [39.416 MeV] (A_Rh:260)
103Rh45 + 12 D* --> 79Br35 + 48Ti22 + 194.163 MeV [40.151 MeV] (A_Rh:261)
103Rh45 + 12 D* --> 81Br35 + 46Ti22 + 191.705 MeV [37.693 MeV] (A_Rh:262)
103Rh45 + 12 D* --> 82Kr36 + 45Sc21 + 191.264 MeV [37.252 MeV] (A_Rh:263)
103Rh45 + 12 D* --> 85Rb37 + 42Ca20 + 190.321 MeV [36.309 MeV] (A_Rh:264)
103Rh45 + 12 D* --> 87Rb37 + 40Ca20 + 189.051 MeV [35.039 MeV] (A_Rh:265)
103Rh45 + 12 D* --> 86Sr38 + 41K19 + 189.689 MeV [35.677 MeV] (A_Rh:266)
103Rh45 + 12 D* --> 87Sr38 + 40K19 + 188.022 MeV [34.010 MeV] (A_Rh:267)
103Rh45 + 12 D* --> 88Sr38 + 39K19 + 191.335 MeV [37.323 MeV] (A_Rh:268)
103Rh45 + 12 D* --> 89Y39 + 38Ar18 + 192.023 MeV [38.011 MeV] (A_Rh:269)
103Rh45 + 12 D* --> 90Zr40 + 37Cl17 + 190.135 MeV [36.124 MeV] (A_Rh:270)
103Rh45 + 12 D* --> 92Zr40 + 35Cl17 + 187.074 MeV [33.062 MeV] (A_Rh:271)
103Rh45 + 12 D* --> 93Nb41 + 34S16 + 186.747 MeV [32.735 MeV] (A_Rh:272)
103Rh45 + 12 D* --> 96Mo42 + 31P15 + 182.838 MeV [28.826 MeV] (A_Rh:273)
103Rh45 + 12 D* --> 100Ru44 + 27Al13 + 176.022 MeV [22.010 MeV] (A_Rh:274)
103Rh45 + 12 D* --> 103Rh45 + 24Mg12 + 171.562 MeV [17.550 MeV] (A_Rh:275)

103Rh45 + 12 D* --> 104Pd46 + 23Na11 + 168.526 MeV [14.515 MeV] (A_Rh:276)
103Rh45 + 12 D* --> 107Ag47 + 20Ne10 + 165.050 MeV [11.038 MeV] (A_Rh:277)
103Rh45 + 12 D* --> 108Cd48 + 19F9 + 160.346 MeV [6.334 MeV] (A_Rh:278)
103Rh45 + 12 D* --> 112Sn50 + 15N7 + 158.166 MeV [4.155 MeV] (A_Rh:279)

---------- Equations follow for Palladium, Pd, element 46 ----------

102Pd46 + D* --> 53Cr24 + 51V23 + 32.697 MeV [21.428 MeV] (A_Pd:1)
102Pd46 + D* --> 54Cr24 + 50V23 + 31.365 MeV [20.096 MeV] (A_Pd:2)
102Pd46 + D* --> 55Mn25 + 49Ti22 + 31.480 MeV [20.212 MeV] (A_Pd:3)
102Pd46 + D* --> 64Ni28 + 40K19 + 25.845 MeV [14.577 MeV] (A_Pd:4)
102Pd46 + D* --> 67Zn30 + 37Cl17 + 24.853 MeV [13.584 MeV] (A_Pd:5)
102Pd46 + D* --> 71Ga31 + 33S16 + 21.937 MeV [10.668 MeV] (A_Pd:6)
102Pd46 + D* --> 73Ge32 + 31P15 + 20.949 MeV [9.681 MeV] (A_Pd:7)
102Pd46 + D* --> 75As33 + 29Si14 + 20.138 MeV [8.870 MeV] (A_Pd:8)
102Pd46 + D* --> 77Se34 + 27Al13 + 17.007 MeV [5.738 MeV] (A_Pd:9)
102Pd46 + D* --> 79Br35 + 25Mg12 + 14.472 MeV [3.203 MeV] (A_Pd:10)
102Pd46 + D* --> 90Zr40 + 14N7 + 11.114 MeV [-0.154 MeV] (A_Pd:11)
102Pd46 + D* --> 94Mo42 + 10B5 + 1.570 MeV [-9.699 MeV] (A_Pd:12)

102Pd46 + 2 D* --> 53Cr24 + 53Cr24 + 48.916 MeV [26.035 MeV] (A_Pd:13)
102Pd46 + 2 D* --> 54Cr24 + 52Cr24 + 50.696 MeV [27.815 MeV] (A_Pd:14)
102Pd46 + 2 D* --> 55Mn25 + 51V23 + 48.258 MeV [25.377 MeV] (A_Pd:15)
102Pd46 + 2 D* --> 56Fe26 + 50Ti22 + 50.378 MeV [27.497 MeV] (A_Pd:16)
102Pd46 + 2 D* --> 57Fe26 + 49Ti22 + 47.085 MeV [24.204 MeV] (A_Pd:17)
102Pd46 + 2 D* --> 58Fe26 + 48Ti22 + 48.988 MeV [26.106 MeV] (A_Pd:18)
102Pd46 + 2 D* --> 58Ni28 + 48Ca20 + 42.788 MeV [19.907 MeV] (A_Pd:19)
102Pd46 + 2 D* --> 60Ni28 + 46Ca20 + 45.954 MeV [23.072 MeV] (A_Pd:20)
102Pd46 + 2 D* --> 62Ni28 + 44Ca20 + 46.561 MeV [23.680 MeV] (A_Pd:21)
102Pd46 + 2 D* --> 64Ni28 + 42Ca20 + 43.993 MeV [21.112 MeV] (A_Pd:22)
102Pd46 + 2 D* --> 65Cu29 + 41K19 + 41.169 MeV [18.288 MeV] (A_Pd:23)
102Pd46 + 2 D* --> 66Zn30 + 40Ar18 + 42.286 MeV [19.405 MeV] (A_Pd:24)
102Pd46 + 2 D* --> 68Zn30 + 38Ar18 + 43.068 MeV [20.187 MeV] (A_Pd:25)
102Pd46 + 2 D* --> 70Zn30 + 36Ar18 + 38.143 MeV [15.261 MeV] (A_Pd:26)
102Pd46 + 2 D* --> 69Ga31 + 37Cl17 + 39.436 MeV [16.554 MeV] (A_Pd:27)
102Pd46 + 2 D* --> 71Ga31 + 35Cl17 + 37.500 MeV [14.619 MeV] (A_Pd:28)
102Pd46 + 2 D* --> 70Ge32 + 36S16 + 39.574 MeV [16.692 MeV] (A_Pd:29)
102Pd46 + 2 D* --> 72Ge32 + 34S16 + 40.864 MeV [17.983 MeV] (A_Pd:30)
102Pd46 + 2 D* --> 73Ge32 + 33S16 + 36.230 MeV [13.349 MeV] (A_Pd:31)
102Pd46 + 2 D* --> 74Ge32 + 32S16 + 37.785 MeV [14.903 MeV] (A_Pd:32)
102Pd46 + 2 D* --> 75As33 + 31P15 + 35.820 MeV [12.938 MeV] (A_Pd:33)
102Pd46 + 2 D* --> 76Se34 + 30Si14 + 38.031 MeV [15.150 MeV] (A_Pd:34)
102Pd46 + 2 D* --> 77Se34 + 29Si14 + 34.841 MeV [11.960 MeV] (A_Pd:35)
102Pd46 + 2 D* --> 78Se34 + 28Si14 + 36.865 MeV [13.984 MeV] (A_Pd:36)
102Pd46 + 2 D* --> 79Br35 + 27Al13 + 31.612 MeV [8.730 MeV] (A_Pd:37)
102Pd46 + 2 D* --> 80Kr36 + 26Mg12 + 32.453 MeV [9.572 MeV] (A_Pd:38)
102Pd46 + 2 D* --> 82Kr36 + 24Mg12 + 32.869 MeV [9.988 MeV] (A_Pd:39)
102Pd46 + 2 D* --> 84Sr38 + 22Ne10 + 27.015 MeV [4.134 MeV] (A_Pd:40)
102Pd46 + 2 D* --> 86Sr38 + 20Ne10 + 29.912 MeV [7.031 MeV] (A_Pd:41)
102Pd46 + 2 D* --> 90Zr40 + 16O8 + 31.851 MeV [8.969 MeV] (A_Pd:42)
102Pd46 + 2 D* --> 94Mo42 + 12C6 + 26.756 MeV [3.875 MeV] (A_Pd:43)
102Pd46 + 2 D* --> 102Pd46 + 4He2 + 23.847 MeV [00.965 MeV] (A_Pd:44)
102Pd46 + 2 D* --> 106Cd48 + 25.479 MeV [2.598 MeV] (A_Pd:45)

102Pd46 + 3 D* --> 55Mn25 + 53Cr24 + 64.477 MeV [29.643 MeV] (A_Pd:46)
102Pd46 + 3 D* --> 57Fe26 + 51V23 + 63.864 MeV [29.029 MeV] (A_Pd:47)
102Pd46 + 3 D* --> 58Fe26 + 50V23 + 62.857 MeV [28.023 MeV] (A_Pd:48)
102Pd46 + 3 D* --> 59Co27 + 49Ti22 + 62.269 MeV [27.435 MeV] (A_Pd:49)
102Pd46 + 3 D* --> 65Cu29 + 43Ca20 + 57.154 MeV [22.320 MeV] (A_Pd:50)
102Pd46 + 3 D* --> 67Zn30 + 41K19 + 54.922 MeV [20.087 MeV] (A_Pd:51)
102Pd46 + 3 D* --> 68Zn30 + 40K19 + 55.025 MeV [20.190 MeV] (A_Pd:52)
102Pd46 + 3 D* --> 73Ge32 + 35Cl17 + 51.793 MeV [16.959 MeV] (A_Pd:53)
102Pd46 + 3 D* --> 75As33 + 33S16 + 51.100 MeV [16.266 MeV] (A_Pd:54)
102Pd46 + 3 D* --> 77Se34 + 31P15 + 50.523 MeV [15.688 MeV] (A_Pd:55)
102Pd46 + 3 D* --> 79Br35 + 29Si14 + 49.446 MeV [14.611 MeV] (A_Pd:56)
102Pd46 + 3 D* --> 94Mo42 + 14N7 + 37.028 MeV [2.194 MeV] (A_Pd:57)
102Pd46 + 3 D* --> 98Ru44 + 10B5 + 27.656 MeV [-7.178 MeV] (A_Pd:58)
102Pd46 + 3 D* --> 102Pd46 + 6Li3 + 25.320 MeV [-9.514 MeV] (A_Pd:59)
102Pd46 + 3 D* --> 106Cd48 + 2H1 + 25.479 MeV [-9.355 MeV] (A_Pd:60)

102Pd46 + 4 D* --> 55Mn25 + 55Mn25 + 80.039 MeV [32.915 MeV] (A_Pd:61)
102Pd46 + 4 D* --> 56Fe26 + 54Cr24 + 82.156 MeV [35.031 MeV] (A_Pd:62)
102Pd46 + 4 D* --> 57Fe26 + 53Cr24 + 80.083 MeV [32.958 MeV] (A_Pd:63)
102Pd46 + 4 D* --> 58Fe26 + 52Cr24 + 82.188 MeV [35.064 MeV] (A_Pd:64)
102Pd46 + 4 D* --> 59Co27 + 51V23 + 79.048 MeV [31.923 MeV] (A_Pd:65)
102Pd46 + 4 D* --> 60Ni28 + 50Ti22 + 80.517 MeV [33.392 MeV] (A_Pd:66)
102Pd46 + 4 D* --> 61Ni28 + 49Ti22 + 77.398 MeV [30.273 MeV] (A_Pd:67)
102Pd46 + 4 D* --> 62Ni28 + 48Ti22 + 79.852 MeV [32.727 MeV] (A_Pd:68)
102Pd46 + 4 D* --> 64Ni28 + 46Ti22 + 75.841 MeV [28.716 MeV] (A_Pd:69)
102Pd46 + 4 D* --> 65Cu29 + 45Sc21 + 72.949 MeV [25.825 MeV] (A_Pd:70)
102Pd46 + 4 D* --> 64Zn30 + 46Ca20 + 73.756 MeV [26.632 MeV] (A_Pd:71)
102Pd46 + 4 D* --> 66Zn30 + 44Ca20 + 74.986 MeV [27.861 MeV] (A_Pd:72)
102Pd46 + 4 D* --> 67Zn30 + 43Ca20 + 70.907 MeV [23.783 MeV] (A_Pd:73)
102Pd46 + 4 D* --> 68Zn30 + 42Ca20 + 73.172 MeV [26.048 MeV] (A_Pd:74)
102Pd46 + 4 D* --> 70Zn30 + 40Ca20 + 69.029 MeV [21.905 MeV] (A_Pd:75)
102Pd46 + 4 D* --> 69Ga31 + 41K19 + 69.505 MeV [22.380 MeV] (A_Pd:76)
102Pd46 + 4 D* --> 71Ga31 + 39K19 + 68.565 MeV [21.441 MeV] (A_Pd:77)
102Pd46 + 4 D* --> 70Ge32 + 40Ar18 + 70.221 MeV [23.097 MeV] (A_Pd:78)
102Pd46 + 4 D* --> 72Ge32 + 38Ar18 + 71.918 MeV [24.794 MeV] (A_Pd:79)
102Pd46 + 4 D* --> 74Ge32 + 36Ar18 + 68.272 MeV [21.148 MeV] (A_Pd:80)
102Pd46 + 4 D* --> 75As33 + 35Cl17 + 66.664 MeV [19.540 MeV] (A_Pd:81)
102Pd46 + 4 D* --> 74Se34 + 36S16 + 67.495 MeV [20.370 MeV] (A_Pd:82)
102Pd46 + 4 D* --> 76Se34 + 34S16 + 69.802 MeV [22.677 MeV] (A_Pd:83)
102Pd46 + 4 D* --> 77Se34 + 33S16 + 65.803 MeV [18.679 MeV] (A_Pd:84)
102Pd46 + 4 D* --> 78Se34 + 32S16 + 67.660 MeV [20.535 MeV] (A_Pd:85)
102Pd46 + 4 D* --> 79Br35 + 31P15 + 65.127 MeV [18.003 MeV] (A_Pd:86)
102Pd46 + 4 D* --> 80Kr36 + 30Si14 + 66.943 MeV [19.819 MeV] (A_Pd:87)
102Pd46 + 4 D* --> 82Kr36 + 28Si14 + 66.700 MeV [19.576 MeV] (A_Pd:88)
102Pd46 + 4 D* --> 84Sr38 + 26Mg12 + 61.476 MeV [14.352 MeV] (A_Pd:89)
102Pd46 + 4 D* --> 86Sr38 + 24Mg12 + 63.075 MeV [15.951 MeV] (A_Pd:90)
102Pd46 + 4 D* --> 90Zr40 + 20Ne10 + 60.427 MeV [13.303 MeV] (A_Pd:91)
102Pd46 + 4 D* --> 92Mo42 + 18O8 + 52.204 MeV [5.080 MeV] (A_Pd:92)
102Pd46 + 4 D* --> 94Mo42 + 16O8 + 57.765 MeV [10.640 MeV] (A_Pd:93)
102Pd46 + 4 D* --> 98Ru44 + 12C6 + 52.842 MeV [5.718 MeV] (A_Pd:94)
102Pd46 + 4 D* --> 106Cd48 + 4He2 + 49.325 MeV [2.201 MeV] (A_Pd:95)

102Pd46 + 5 D* --> 57Fe26 + 55Mn25 + 95.644 MeV [35.897 MeV] (A_Pd:96)
102Pd46 + 5 D* --> 59Co27 + 53Cr24 + 95.267 MeV [35.519 MeV] (A_Pd:97)

102Pd46 + 5 D* --> 61Ni28 + 51V23 + 94.176 MeV [34.428 MeV] (A_Pd:98)
102Pd46 + 5 D* --> 62Ni28 + 50V23 + 93.721 MeV [33.974 MeV] (A_Pd:99)
102Pd46 + 5 D* --> 63Cu29 + 49Ti22 + 91.892 MeV [32.144 MeV] (A_Pd:100)
102Pd46 + 5 D* --> 65Cu29 + 47Ti22 + 89.950 MeV [30.202 MeV] (A_Pd:101)
102Pd46 + 5 D* --> 67Zn30 + 45Sc21 + 86.702 MeV [26.954 MeV] (A_Pd:102)
102Pd46 + 5 D* --> 69Ga31 + 43Ca20 + 85.490 MeV [25.742 MeV] (A_Pd:103)
102Pd46 + 5 D* --> 72Ge32 + 40K19 + 83.875 MeV [24.127 MeV] (A_Pd:104)
102Pd46 + 5 D* --> 73Ge32 + 39K19 + 82.858 MeV [23.111 MeV] (A_Pd:105)
102Pd46 + 5 D* --> 77Se34 + 35Cl17 + 81.367 MeV [21.619 MeV] (A_Pd:106)
102Pd46 + 5 D* --> 79Br35 + 33S16 + 80.408 MeV [20.661 MeV] (A_Pd:107)
102Pd46 + 5 D* --> 98Ru44 + 14N7 + 63.115 MeV [3.367 MeV] (A_Pd:108)
102Pd46 + 5 D* --> 102Pd46 + 10B5 + 53.628 MeV [-6.120 MeV] (A_Pd:109)
102Pd46 + 5 D* --> 106Cd48 + 6Li3 + 50.799 MeV [-8.948 MeV] (A_Pd:110)

102Pd46 + 6 D* --> 57Fe26 + 57Fe26 + 111.250 MeV [38.549 MeV] (A_Pd:111)
102Pd46 + 6 D* --> 58Fe26 + 56Fe26 + 113.648 MeV [40.947 MeV] (A_Pd:112)
102Pd46 + 6 D* --> 59Co27 + 55Mn25 + 110.828 MeV [38.127 MeV] (A_Pd:113)
102Pd46 + 6 D* --> 60Ni28 + 54Cr24 + 112.294 MeV [39.593 MeV] (A_Pd:114)
102Pd46 + 6 D* --> 61Ni28 + 53Cr24 + 110.395 MeV [37.694 MeV] (A_Pd:115)
102Pd46 + 6 D* --> 62Ni28 + 52Cr24 + 113.052 MeV [40.352 MeV] (A_Pd:116)
102Pd46 + 6 D* --> 64Ni28 + 50Cr24 + 108.248 MeV [35.547 MeV] (A_Pd:117)
102Pd46 + 6 D* --> 63Cu29 + 51V23 + 108.670 MeV [35.969 MeV] (A_Pd:118)
102Pd46 + 6 D* --> 64Zn30 + 50Ti22 + 108.320 MeV [35.619 MeV] (A_Pd:119)
102Pd46 + 6 D* --> 66Zn30 + 48Ti22 + 108.276 MeV [35.576 MeV] (A_Pd:120)
102Pd46 + 6 D* --> 67Zn30 + 47Ti22 + 103.702 MeV [31.001 MeV] (A_Pd:121)
102Pd46 + 6 D* --> 68Zn30 + 46Ti22 + 105.020 MeV [32.319 MeV] (A_Pd:122)
102Pd46 + 6 D* --> 69Ga31 + 45Sc21 + 101.285 MeV [28.584 MeV] (A_Pd:123)
102Pd46 + 6 D* --> 70Ge32 + 44Ca20 + 102.921 MeV [30.220 MeV] (A_Pd:124)
102Pd46 + 6 D* --> 72Ge32 + 42Ca20 + 102.022 MeV [29.321 MeV] (A_Pd:125)
102Pd46 + 6 D* --> 74Ge32 + 40Ca20 + 99.158 MeV [26.457 MeV] (A_Pd:126)
102Pd46 + 6 D* --> 75As33 + 39K19 + 97.729 MeV [25.028 MeV] (A_Pd:127)
102Pd46 + 6 D* --> 74Se34 + 40Ar18 + 98.142 MeV [25.441 MeV] (A_Pd:128)
102Pd46 + 6 D* --> 76Se34 + 38Ar18 + 100.856 MeV [28.155 MeV] (A_Pd:129)
102Pd46 + 6 D* --> 78Se34 + 36Ar18 + 98.147 MeV [25.446 MeV] (A_Pd:130)
102Pd46 + 6 D* --> 79Br35 + 35Cl17 + 95.971 MeV [23.271 MeV] (A_Pd:131)
102Pd46 + 6 D* --> 78Kr36 + 36S16 + 95.733 MeV [23.032 MeV] (A_Pd:132)
102Pd46 + 6 D* --> 80Kr36 + 34S16 + 98.714 MeV [26.013 MeV] (A_Pd:133)
102Pd46 + 6 D* --> 82Kr36 + 32S16 + 97.494 MeV [24.794 MeV] (A_Pd:134)
102Pd46 + 6 D* --> 84Sr38 + 30Si14 + 95.966 MeV [23.265 MeV] (A_Pd:135)
102Pd46 + 6 D* --> 86Sr38 + 28Si14 + 96.906 MeV [24.205 MeV] (A_Pd:136)
102Pd46 + 6 D* --> 90Zr40 + 24Mg12 + 93.590 MeV [20.889 MeV] (A_Pd:137)
102Pd46 + 6 D* --> 92Mo42 + 22Ne10 + 85.719 MeV [13.018 MeV] (A_Pd:138)
102Pd46 + 6 D* --> 94Mo42 + 20Ne10 + 86.341 MeV [13.640 MeV] (A_Pd:139)
102Pd46 + 6 D* --> 96Ru44 + 18O8 + 77.743 MeV [5.042 MeV] (A_Pd:140)
102Pd46 + 6 D* --> 98Ru44 + 16O8 + 83.851 MeV [11.150 MeV] (A_Pd:141)
102Pd46 + 6 D* --> 102Pd46 + 12C6 + 78.814 MeV [6.114 MeV] (A_Pd:142)

102Pd46 + 7 D* --> 59Co27 + 57Fe26 + 126.434 MeV [40.453 MeV] (A_Pd:143)
102Pd46 + 7 D* --> 61Ni28 + 55Mn25 + 125.956 MeV [39.976 MeV] (A_Pd:144)
102Pd46 + 7 D* --> 63Cu29 + 53Cr24 + 124.889 MeV [38.909 MeV] (A_Pd:145)
102Pd46 + 7 D* --> 66Zn30 + 50V23 + 122.146 MeV [36.165 MeV] (A_Pd:146)
102Pd46 + 7 D* --> 69Ga31 + 47Ti22 + 118.285 MeV [32.304 MeV] (A_Pd:147)
102Pd46 + 7 D* --> 76Se34 + 40K19 + 112.812 MeV [26.831 MeV] (A_Pd:148)
102Pd46 + 7 D* --> 77Se34 + 39K19 + 112.432 MeV [26.451 MeV] (A_Pd:149)

102Pd46 + 7 D* --> 102Pd46 + 14N7 + 89.087 MeV [3.106 MeV] (A_Pd:150)
102Pd46 + 7 D* --> 106Cd48 + 10B5 + 79.107 MeV [-6.874 MeV] (A_Pd:151)

102Pd46 + 8 D* --> 59Co27 + 59Co27 + 141.618 MeV [42.033 MeV] (A_Pd:152)
102Pd46 + 8 D* --> 60Ni28 + 58Fe26 + 143.786 MeV [44.202 MeV] (A_Pd:153)
102Pd46 + 8 D* --> 61Ni28 + 57Fe26 + 141.562 MeV [41.977 MeV] (A_Pd:154)
102Pd46 + 8 D* --> 62Ni28 + 56Fe26 + 144.512 MeV [44.928 MeV] (A_Pd:155)
102Pd46 + 8 D* --> 64Ni28 + 54Fe26 + 140.512 MeV [40.928 MeV] (A_Pd:156)
102Pd46 + 8 D* --> 63Cu29 + 55Mn25 + 140.451 MeV [40.866 MeV] (A_Pd:157)
102Pd46 + 8 D* --> 64Zn30 + 54Cr24 + 140.097 MeV [40.513 MeV] (A_Pd:158)
102Pd46 + 8 D* --> 66Zn30 + 52Cr24 + 141.477 MeV [41.893 MeV] (A_Pd:159)
102Pd46 + 8 D* --> 68Zn30 + 50Cr24 + 137.427 MeV [37.843 MeV] (A_Pd:160)
102Pd46 + 8 D* --> 70Ge32 + 48Ti22 + 136.212 MeV [36.627 MeV] (A_Pd:161)
102Pd46 + 8 D* --> 72Ge32 + 46Ti22 + 133.870 MeV [34.286 MeV] (A_Pd:162)
102Pd46 + 8 D* --> 74Se34 + 44Ca20 + 130.842 MeV [31.258 MeV] (A_Pd:163)
102Pd46 + 8 D* --> 76Se34 + 42Ca20 + 130.960 MeV [31.375 MeV] (A_Pd:164)
102Pd46 + 8 D* --> 78Se34 + 40Ca20 + 129.033 MeV [29.449 MeV] (A_Pd:165)
102Pd46 + 8 D* --> 79Br35 + 39K19 + 127.036 MeV [27.452 MeV] (A_Pd:166)
102Pd46 + 8 D* --> 78Kr36 + 40Ar18 + 126.380 MeV [26.796 MeV] (A_Pd:167)
102Pd46 + 8 D* --> 80Kr36 + 38Ar18 + 129.768 MeV [30.183 MeV] (A_Pd:168)
102Pd46 + 8 D* --> 82Kr36 + 36Ar18 + 127.982 MeV [28.397 MeV] (A_Pd:169)
102Pd46 + 8 D* --> 84Sr38 + 34S16 + 127.736 MeV [28.152 MeV] (A_Pd:170)
102Pd46 + 8 D* --> 86Sr38 + 32S16 + 127.700 MeV [28.116 MeV] (A_Pd:171)
102Pd46 + 8 D* --> 90Zr40 + 28Si14 + 127.421 MeV [27.836 MeV] (A_Pd:172)
102Pd46 + 8 D* --> 92Mo42 + 26Mg12 + 120.180 MeV [20.596 MeV] (A_Pd:173)
102Pd46 + 8 D* --> 94Mo42 + 24Mg12 + 119.504 MeV [19.920 MeV] (A_Pd:174)
102Pd46 + 8 D* --> 96Ru44 + 22Ne10 + 111.257 MeV [11.673 MeV] (A_Pd:175)
102Pd46 + 8 D* --> 98Ru44 + 20Ne10 + 112.427 MeV [12.843 MeV] (A_Pd:176)
102Pd46 + 8 D* --> 102Pd46 + 16O8 + 109.823 MeV [10.238 MeV] (A_Pd:177)
102Pd46 + 8 D* --> 106Cd48 + 12C6 + 104.293 MeV [4.709 MeV] (A_Pd:178)

102Pd46 + 9 D* --> 61Ni28 + 59Co27 + 156.746 MeV [43.237 MeV] (A_Pd:179)
102Pd46 + 9 D* --> 63Cu29 + 57Fe26 + 156.056 MeV [42.548 MeV] (A_Pd:180)
102Pd46 + 9 D* --> 70Ge32 + 50V23 + 150.081 MeV [36.573 MeV] (A_Pd:181)
102Pd46 + 9 D* --> 80Kr36 + 40K19 + 141.724 MeV [28.216 MeV] (A_Pd:182)
102Pd46 + 9 D* --> 106Cd48 + 14N7 + 114.566 MeV [1.057 MeV] (A_Pd:183)

102Pd46 + 10 D* --> 61Ni28 + 61Ni28 + 171.874 MeV [44.124 MeV] (A_Pd:184)
102Pd46 + 10 D* --> 62Ni28 + 60Ni28 + 174.650 MeV [46.900 MeV] (A_Pd:185)
102Pd46 + 10 D* --> 64Ni28 + 58Ni28 + 170.759 MeV [43.009 MeV] (A_Pd:186)
102Pd46 + 10 D* --> 63Cu29 + 59Co27 + 171.240 MeV [43.490 MeV] (A_Pd:187)
102Pd46 + 10 D* --> 64Zn30 + 58Fe26 + 171.589 MeV [43.839 MeV] (A_Pd:188)
102Pd46 + 10 D* --> 66Zn30 + 56Fe26 + 172.937 MeV [45.187 MeV] (A_Pd:189)
102Pd46 + 10 D* --> 68Zn30 + 54Fe26 + 169.692 MeV [41.942 MeV] (A_Pd:190)
102Pd46 + 10 D* --> 70Ge32 + 52Cr24 + 169.412 MeV [41.662 MeV] (A_Pd:191)
102Pd46 + 10 D* --> 72Ge32 + 50Cr24 + 166.278 MeV [38.527 MeV] (A_Pd:192)
102Pd46 + 10 D* --> 74Se34 + 48Ti22 + 164.133 MeV [36.382 MeV] (A_Pd:193)
102Pd46 + 10 D* --> 76Se34 + 46Ti22 + 162.808 MeV [35.057 MeV] (A_Pd:194)
102Pd46 + 10 D* --> 78Kr36 + 44Ca20 + 159.080 MeV [31.330 MeV] (A_Pd:195)
102Pd46 + 10 D* --> 80Kr36 + 42Ca20 + 159.872 MeV [32.121 MeV] (A_Pd:196)
102Pd46 + 10 D* --> 82Kr36 + 40Ca20 + 158.868 MeV [31.118 MeV] (A_Pd:197)
102Pd46 + 10 D* --> 84Sr38 + 38Ar18 + 158.791 MeV [31.040 MeV] (A_Pd:198)
102Pd46 + 10 D* --> 86Sr38 + 36Ar18 + 158.187 MeV [30.437 MeV] (A_Pd:199)
102Pd46 + 10 D* --> 90Zr40 + 32S16 + 158.215 MeV [30.465 MeV] (A_Pd:200)

102Pd46 + 10 D* --> 92Mo42 + 30Si14 + 154.670 MeV [26.920 MeV] (A_Pd:201)
102Pd46 + 10 D* --> 94Mo42 + 28Si14 + 153.335 MeV [25.584 MeV] (A_Pd:202)
102Pd46 + 10 D* --> 96Ru44 + 26Mg12 + 145.719 MeV [17.968 MeV] (A_Pd:203)
102Pd46 + 10 D* --> 98Ru44 + 24Mg12 + 145.590 MeV [17.840 MeV] (A_Pd:204)
102Pd46 + 10 D* --> 102Pd46 + 20Ne10 + 138.399 MeV [10.649 MeV] (A_Pd:205)
102Pd46 + 10 D* --> 106Cd48 + 16O8 + 135.302 MeV [7.551 MeV] (A_Pd:206)

102Pd46 + 11 D* --> 63Cu29 + 61Ni28 + 186.368 MeV [44.061 MeV] (A_Pd:207)
102Pd46 + 11 D* --> 74Se34 + 50V23 + 178.002 MeV [35.695 MeV] (A_Pd:208)
102Pd46 + 11 D* --> 84Sr38 + 40K19 + 170.747 MeV [28.440 MeV] (A_Pd:209)

102Pd46 + 12 D* --> 63Cu29 + 63Cu29 + 200.863 MeV [43.687 MeV] (A_Pd:210)
102Pd46 + 12 D* --> 64Zn30 + 62Ni28 + 202.453 MeV [45.278 MeV] (A_Pd:211)
102Pd46 + 12 D* --> 66Zn30 + 60Ni28 + 203.075 MeV [45.900 MeV] (A_Pd:212)
102Pd46 + 12 D* --> 68Zn30 + 58Ni28 + 199.939 MeV [42.763 MeV] (A_Pd:213)
102Pd46 + 12 D* --> 70Ge32 + 56Fe26 + 200.872 MeV [43.696 MeV] (A_Pd:214)
102Pd46 + 12 D* --> 72Ge32 + 54Fe26 + 198.542 MeV [41.366 MeV] (A_Pd:215)
102Pd46 + 12 D* --> 74Se34 + 52Cr24 + 197.333 MeV [40.158 MeV] (A_Pd:216)
102Pd46 + 12 D* --> 76Se34 + 50Cr24 + 195.215 MeV [38.040 MeV] (A_Pd:217)
102Pd46 + 12 D* --> 78Kr36 + 48Ti22 + 192.371 MeV [35.195 MeV] (A_Pd:218)
102Pd46 + 12 D* --> 80Kr36 + 46Ti22 + 191.720 MeV [34.544 MeV] (A_Pd:219)
102Pd46 + 12 D* --> 84Sr38 + 42Ca20 + 188.894 MeV [31.719 MeV] (A_Pd:220)
102Pd46 + 12 D* --> 86Sr38 + 40Ca20 + 189.073 MeV [31.898 MeV] (A_Pd:221)
102Pd46 + 12 D* --> 90Zr40 + 36Ar18 + 188.702 MeV [31.527 MeV] (A_Pd:222)
102Pd46 + 12 D* --> 92Mo42 + 34S16 + 186.440 MeV [29.265 MeV] (A_Pd:223)
102Pd46 + 12 D* --> 94Mo42 + 32S16 + 184.129 MeV [26.953 MeV] (A_Pd:224)
102Pd46 + 12 D* --> 96Ru44 + 30Si14 + 180.209 MeV [23.033 MeV] (A_Pd:225)
102Pd46 + 12 D* --> 98Ru44 + 28Si14 + 179.421 MeV [22.245 MeV] (A_Pd:226)
102Pd46 + 12 D* --> 102Pd46 + 24Mg12 + 171.562 MeV [14.387 MeV] (A_Pd:227)
102Pd46 + 12 D* --> 106Cd48 + 20Ne10 + 163.878 MeV [6.702 MeV] (A_Pd:228)

104Pd46 + D* --> 81Br35 + 25Mg12 + 14.913 MeV [3.716 MeV] (A_Pd:229)
104Pd46 + D* --> 83Kr36 + 23Na11 + 13.257 MeV [2.060 MeV] (A_Pd:230)
104Pd46 + D* --> 85Rb37 + 21Ne10 + 11.645 MeV [00.448 MeV] (A_Pd:231)
104Pd46 + D* --> 87Sr38 + 19F9 + 10.113 MeV [-1.084 MeV] (A_Pd:232)
104Pd46 + D* --> 89Y39 + 17O8 + 12.256 MeV [1.059 MeV] (A_Pd:233)
104Pd46 + D* --> 91Zr40 + 15N7 + 11.535 MeV [00.337 MeV] (A_Pd:234)
104Pd46 + D* --> 92Zr40 + 14N7 + 9.336 MeV [-1.861 MeV] (A_Pd:235)
104Pd46 + D* --> 93Nb41 + 13C6 + 7.829 MeV [-3.368 MeV] (A_Pd:236)
104Pd46 + D* --> 95Mo42 + 11B5 + 2.785 MeV [-8.412 MeV] (A_Pd:237)
104Pd46 + D* --> 96Mo42 + 10B5 + 00.485 MeV [-10.712 MeV] (A_Pd:238)
104Pd46 + D* --> 105Pd46 + 1H1 + 4.870 MeV [-6.328 MeV] (A_Pd:239)

104Pd46 + 2 D* --> 54Cr24 + 54Cr24 + 50.746 MeV [28.007 MeV] (A_Pd:240)
104Pd46 + 2 D* --> 58Fe26 + 50Ti22 + 50.461 MeV [27.722 MeV] (A_Pd:241)
104Pd46 + 2 D* --> 60Ni28 + 48Ca20 + 45.568 MeV [22.829 MeV] (A_Pd:242)
104Pd46 + 2 D* --> 62Ni28 + 46Ca20 + 46.763 MeV [24.024 MeV] (A_Pd:243)
104Pd46 + 2 D* --> 64Ni28 + 44Ca20 + 45.449 MeV [22.710 MeV] (A_Pd:244)
104Pd46 + 2 D* --> 68Zn30 + 40Ar18 + 41.929 MeV [19.189 MeV] (A_Pd:245)
104Pd46 + 2 D* --> 70Zn30 + 38Ar18 + 41.161 MeV [18.422 MeV] (A_Pd:246)
104Pd46 + 2 D* --> 71Ga31 + 37Cl17 + 38.783 MeV [16.044 MeV] (A_Pd:247)
104Pd46 + 2 D* --> 72Ge32 + 36S16 + 40.131 MeV [17.392 MeV] (A_Pd:248)
104Pd46 + 2 D* --> 74Ge32 + 34S16 + 40.236 MeV [17.497 MeV] (A_Pd:249)
104Pd46 + 2 D* --> 76Ge32 + 32S16 + 36.110 MeV [13.371 MeV] (A_Pd:250)

104Pd46 + 2 D* --> 78Se34 + 30Si14 + 38.340 MeV [15.601 MeV] (A_Pd:251)
104Pd46 + 2 D* --> 80Se34 + 28Si14 + 36.134 MeV [13.395 MeV] (A_Pd:252)
104Pd46 + 2 D* --> 81Br35 + 27Al13 + 32.053 MeV [9.314 MeV] (A_Pd:253)
104Pd46 + 2 D* --> 82Kr36 + 26Mg12 + 33.685 MeV [10.946 MeV] (A_Pd:254)
104Pd46 + 2 D* --> 83Kr36 + 25Mg12 + 30.056 MeV [7.317 MeV] (A_Pd:255)
104Pd46 + 2 D* --> 84Kr36 + 24Mg12 + 33.246 MeV [10.507 MeV] (A_Pd:256)
104Pd46 + 2 D* --> 85Rb37 + 23Na11 + 28.579 MeV [5.840 MeV] (A_Pd:257)
104Pd46 + 2 D* --> 86Sr38 + 22Ne10 + 29.430 MeV [6.691 MeV] (A_Pd:258)
104Pd46 + 2 D* --> 87Sr38 + 21Ne10 + 27.494 MeV [4.755 MeV] (A_Pd:259)
104Pd46 + 2 D* --> 88Sr38 + 20Ne10 + 31.845 MeV [9.106 MeV] (A_Pd:260)
104Pd46 + 2 D* --> 89Y39 + 19F9 + 26.071 MeV [3.331 MeV] (A_Pd:261)
104Pd46 + 2 D* --> 90Zr40 + 18O8 + 26.430 MeV [3.691 MeV] (A_Pd:262)
104Pd46 + 2 D* --> 91Zr40 + 17O8 + 25.581 MeV [2.842 MeV] (A_Pd:263)
104Pd46 + 2 D* --> 92Zr40 + 16O8 + 30.072 MeV [7.333 MeV] (A_Pd:264)
104Pd46 + 2 D* --> 93Nb41 + 15N7 + 23.988 MeV [1.249 MeV] (A_Pd:265)
104Pd46 + 2 D* --> 95Mo42 + 13C6 + 21.464 MeV [-1.275 MeV] (A_Pd:266)
104Pd46 + 2 D* --> 96Mo42 + 12C6 + 25.672 MeV [2.933 MeV] (A_Pd:267)
104Pd46 + 2 D* --> 99Ru44 + 9Be4 + 13.151 MeV [-9.588 MeV] (A_Pd:268)
104Pd46 + 2 D* --> 104Pd46 + 4He2 + 23.847 MeV [1.107 MeV] (A_Pd:269)
104Pd46 + 2 D* --> 105Pd46 + 3He2 + 10.363 MeV [-12.376 MeV] (A_Pd:270)
104Pd46 + 2 D* --> 107Ag47 + 1H1 + 17.994 MeV [-4.745 MeV] (A_Pd:271)
104Pd46 + 2 D* --> 108Cd48 + 26.134 MeV [3.395 MeV] (A_Pd:272)

104Pd46 + 3 D* --> 70Zn30 + 40K19 + 53.117 MeV [18.495 MeV] (A_Pd:273)
104Pd46 + 3 D* --> 73Ge32 + 37Cl17 + 53.076 MeV [18.454 MeV] (A_Pd:274)
104Pd46 + 3 D* --> 81Br35 + 29Si14 + 49.887 MeV [15.265 MeV] (A_Pd:275)
104Pd46 + 3 D* --> 83Kr36 + 27Al13 + 47.195 MeV [12.574 MeV] (A_Pd:276)
104Pd46 + 3 D* --> 85Rb37 + 25Mg12 + 45.377 MeV [10.755 MeV] (A_Pd:277)
104Pd46 + 3 D* --> 87Sr38 + 23Na11 + 44.427 MeV [9.805 MeV] (A_Pd:278)
104Pd46 + 3 D* --> 89Y39 + 21Ne10 + 43.451 MeV [8.829 MeV] (A_Pd:279)
104Pd46 + 3 D* --> 91Zr40 + 19F9 + 39.395 MeV [4.773 MeV] (A_Pd:280)
104Pd46 + 3 D* --> 93Nb41 + 17O8 + 38.034 MeV [3.412 MeV] (A_Pd:281)
104Pd46 + 3 D* --> 95Mo42 + 15N7 + 37.623 MeV [3.001 MeV] (A_Pd:282)
104Pd46 + 3 D* --> 96Mo42 + 14N7 + 35.944 MeV [1.322 MeV] (A_Pd:283)
104Pd46 + 3 D* --> 99Ru44 + 11B5 + 28.966 MeV [-5.656 MeV] (A_Pd:284)
104Pd46 + 3 D* --> 100Ru44 + 10B5 + 27.185 MeV [-7.437 MeV] (A_Pd:285)
104Pd46 + 3 D* --> 104Pd46 + 6Li3 + 25.320 MeV [-9.302 MeV] (A_Pd:286)
104Pd46 + 3 D* --> 107Ag47 + 3He2 + 23.488 MeV [-11.134 MeV] (A_Pd:287)
104Pd46 + 3 D* --> 108Cd48 + 2H1 + 26.134 MeV [-8.488 MeV] (A_Pd:288)

104Pd46 + 4 D* --> 58Fe26 + 54Cr24 + 82.239 MeV [35.397 MeV] (A_Pd:289)
104Pd46 + 4 D* --> 62Ni28 + 50Ti22 + 81.326 MeV [34.484 MeV] (A_Pd:290)
104Pd46 + 4 D* --> 64Ni28 + 48Ti22 + 78.740 MeV [31.898 MeV] (A_Pd:291)
104Pd46 + 4 D* --> 64Zn30 + 48Ca20 + 73.371 MeV [26.529 MeV] (A_Pd:292)
104Pd46 + 4 D* --> 66Zn30 + 46Ca20 + 75.187 MeV [28.345 MeV] (A_Pd:293)
104Pd46 + 4 D* --> 68Zn30 + 44Ca20 + 74.629 MeV [27.786 MeV] (A_Pd:294)
104Pd46 + 4 D* --> 70Zn30 + 42Ca20 + 71.265 MeV [24.423 MeV] (A_Pd:295)
104Pd46 + 4 D* --> 71Ga31 + 41K19 + 68.852 MeV [22.010 MeV] (A_Pd:296)
104Pd46 + 4 D* --> 72Ge32 + 40Ar18 + 70.779 MeV [23.937 MeV] (A_Pd:297)
104Pd46 + 4 D* --> 74Ge32 + 38Ar18 + 71.290 MeV [24.448 MeV] (A_Pd:298)
104Pd46 + 4 D* --> 76Ge32 + 36Ar18 + 66.597 MeV [19.755 MeV] (A_Pd:299)
104Pd46 + 4 D* --> 75As33 + 37Cl17 + 67.947 MeV [21.105 MeV] (A_Pd:300)
104Pd46 + 4 D* --> 76Se34 + 36S16 + 69.069 MeV [22.227 MeV] (A_Pd:301)
104Pd46 + 4 D* --> 78Se34 + 34S16 + 70.111 MeV [23.269 MeV] (A_Pd:302)

104Pd46 + 4 D* --> 80Se34 + 32S16 + 66.928 MeV [20.086 MeV] (A_Pd:303)
104Pd46 + 4 D* --> 81Br35 + 31P15 + 65.569 MeV [18.727 MeV] (A_Pd:304)
104Pd46 + 4 D* --> 82Kr36 + 30Si14 + 68.175 MeV [21.333 MeV] (A_Pd:305)
104Pd46 + 4 D* --> 83Kr36 + 29Si14 + 65.030 MeV [18.188 MeV] (A_Pd:306)
104Pd46 + 4 D* --> 84Kr36 + 28Si14 + 67.077 MeV [20.235 MeV] (A_Pd:307)
104Pd46 + 4 D* --> 85Rb37 + 27Al13 + 62.517 MeV [15.675 MeV] (A_Pd:308)
104Pd46 + 4 D* --> 86Sr38 + 26Mg12 + 63.891 MeV [17.049 MeV] (A_Pd:309)
104Pd46 + 4 D* --> 87Sr38 + 25Mg12 + 61.226 MeV [14.384 MeV] (A_Pd:310)
104Pd46 + 4 D* --> 88Sr38 + 24Mg12 + 65.008 MeV [18.166 MeV] (A_Pd:311)
104Pd46 + 4 D* --> 89Y39 + 23Na11 + 60.384 MeV [13.542 MeV] (A_Pd:312)
104Pd46 + 4 D* --> 90Zr40 + 22Ne10 + 59.945 MeV [13.103 MeV] (A_Pd:313)
104Pd46 + 4 D* --> 91Zr40 + 21Ne10 + 56.775 MeV [9.933 MeV] (A_Pd:314)
104Pd46 + 4 D* --> 92Zr40 + 20Ne10 + 58.649 MeV [11.807 MeV] (A_Pd:315)
104Pd46 + 4 D* --> 93Nb41 + 19F9 + 51.849 MeV [5.006 MeV] (A_Pd:316)
104Pd46 + 4 D* --> 94Mo42 + 18O8 + 52.344 MeV [5.502 MeV] (A_Pd:317)
104Pd46 + 4 D* --> 95Mo42 + 17O8 + 51.669 MeV [4.827 MeV] (A_Pd:318)
104Pd46 + 4 D* --> 96Mo42 + 16O8 + 56.680 MeV [9.838 MeV] (A_Pd:319)
104Pd46 + 4 D* --> 99Ru44 + 13C6 + 47.645 MeV [00.803 MeV] (A_Pd:320)
104Pd46 + 4 D* --> 100Ru44 + 12C6 + 52.372 MeV [5.530 MeV] (A_Pd:321)
104Pd46 + 4 D* --> 108Cd48 + 4He2 + 49.980 MeV [3.138 MeV] (A_Pd:322)
104Pd46 + 4 D* --> 112Sn50 + 51.814 MeV [4.972 MeV] (A_Pd:323)

104Pd46 + 5 D* --> 64Ni28 + 50V23 + 92.609 MeV [33.213 MeV] (A_Pd:324)
104Pd46 + 5 D* --> 65Cu29 + 49Ti22 + 92.111 MeV [32.715 MeV] (A_Pd:325)
104Pd46 + 5 D* --> 71Ga31 + 43Ca20 + 84.837 MeV [25.441 MeV] (A_Pd:326)
104Pd46 + 5 D* --> 73Ge32 + 41K19 + 83.145 MeV [23.749 MeV] (A_Pd:327)
104Pd46 + 5 D* --> 74Ge32 + 40K19 + 83.246 MeV [23.850 MeV] (A_Pd:328)
104Pd46 + 5 D* --> 77Se34 + 37Cl17 + 82.650 MeV [23.254 MeV] (A_Pd:329)
104Pd46 + 5 D* --> 81Br35 + 33S16 + 80.849 MeV [21.453 MeV] (A_Pd:330)
104Pd46 + 5 D* --> 83Kr36 + 31P15 + 80.711 MeV [21.315 MeV] (A_Pd:331)
104Pd46 + 5 D* --> 85Rb37 + 29Si14 + 80.351 MeV [20.955 MeV] (A_Pd:332)
104Pd46 + 5 D* --> 87Sr38 + 27Al13 + 78.366 MeV [18.970 MeV] (A_Pd:333)
104Pd46 + 5 D* --> 89Y39 + 25Mg12 + 77.183 MeV [17.787 MeV] (A_Pd:334)
104Pd46 + 5 D* --> 91Zr40 + 23Na11 + 73.709 MeV [14.313 MeV] (A_Pd:335)
104Pd46 + 5 D* --> 93Nb41 + 21Ne10 + 69.229 MeV [9.833 MeV] (A_Pd:336)
104Pd46 + 5 D* --> 95Mo42 + 19F9 + 65.483 MeV [6.087 MeV] (A_Pd:337)
104Pd46 + 5 D* --> 99Ru44 + 15N7 + 63.804 MeV [4.408 MeV] (A_Pd:338)
104Pd46 + 5 D* --> 100Ru44 + 14N7 + 62.644 MeV [3.248 MeV] (A_Pd:339)
104Pd46 + 5 D* --> 104Pd46 + 10B5 + 53.628 MeV [-5.768 MeV] (A_Pd:340)
104Pd46 + 5 D* --> 108Cd48 + 6Li3 + 51.454 MeV [-7.942 MeV] (A_Pd:341)
104Pd46 + 5 D* --> 112Sn50 + 2H1 + 51.814 MeV [-7.582 MeV] (A_Pd:342)

104Pd46 + 6 D* --> 58Fe26 + 58Fe26 + 113.731 MeV [41.451 MeV] (A_Pd:343)
104Pd46 + 6 D* --> 62Ni28 + 54Cr24 + 113.103 MeV [40.822 MeV] (A_Pd:344)
104Pd46 + 6 D* --> 64Ni28 + 52Cr24 + 111.940 MeV [39.660 MeV] (A_Pd:345)
104Pd46 + 6 D* --> 65Cu29 + 51V23 + 108.889 MeV [36.609 MeV] (A_Pd:346)
104Pd46 + 6 D* --> 66Zn30 + 50Ti22 + 109.750 MeV [37.470 MeV] (A_Pd:347)
104Pd46 + 6 D* --> 67Zn30 + 49Ti22 + 105.864 MeV [33.583 MeV] (A_Pd:348)
104Pd46 + 6 D* --> 68Zn30 + 48Ti22 + 107.919 MeV [35.639 MeV] (A_Pd:349)
104Pd46 + 6 D* --> 70Zn30 + 46Ti22 + 103.112 MeV [30.832 MeV] (A_Pd:350)
104Pd46 + 6 D* --> 71Ga31 + 45Sc21 + 100.632 MeV [28.352 MeV] (A_Pd:351)
104Pd46 + 6 D* --> 70Ge32 + 46Ca20 + 103.122 MeV [30.842 MeV] (A_Pd:352)
104Pd46 + 6 D* --> 72Ge32 + 44Ca20 + 103.479 MeV [31.198 MeV] (A_Pd:353)
104Pd46 + 6 D* --> 73Ge32 + 43Ca20 + 99.130 MeV [26.850 MeV] (A_Pd:354)

104Pd46 + 6 D* --> 74Ge32 + 42Ca20 + 101.394 MeV [29.113 MeV] (A_Pd:355)
104Pd46 + 6 D* --> 76Ge32 + 40Ca20 + 97.484 MeV [25.203 MeV] (A_Pd:356)
104Pd46 + 6 D* --> 75As33 + 41K19 + 98.016 MeV [25.735 MeV] (A_Pd:357)
104Pd46 + 6 D* --> 76Se34 + 40Ar18 + 99.716 MeV [27.436 MeV] (A_Pd:358)
104Pd46 + 6 D* --> 78Se34 + 38Ar18 + 101.165 MeV [28.884 MeV] (A_Pd:359)
104Pd46 + 6 D* --> 80Se34 + 36Ar18 + 97.416 MeV [25.135 MeV] (A_Pd:360)
104Pd46 + 6 D* --> 79Br35 + 37Cl17 + 97.254 MeV [24.974 MeV] (A_Pd:361)
104Pd46 + 6 D* --> 81Br35 + 35Cl17 + 96.413 MeV [24.132 MeV] (A_Pd:362)
104Pd46 + 6 D* --> 80Kr36 + 36S16 + 97.981 MeV [25.700 MeV] (A_Pd:363)
104Pd46 + 6 D* --> 82Kr36 + 34S16 + 99.946 MeV [27.665 MeV] (A_Pd:364)
104Pd46 + 6 D* --> 83Kr36 + 33S16 + 95.992 MeV [23.711 MeV] (A_Pd:365)
104Pd46 + 6 D* --> 84Kr36 + 32S16 + 97.871 MeV [25.590 MeV] (A_Pd:366)
104Pd46 + 6 D* --> 85Rb37 + 31P15 + 96.033 MeV [23.752 MeV] (A_Pd:367)
104Pd46 + 6 D* --> 86Sr38 + 30Si14 + 98.381 MeV [26.100 MeV] (A_Pd:368)
104Pd46 + 6 D* --> 87Sr38 + 29Si14 + 96.200 MeV [23.919 MeV] (A_Pd:369)
104Pd46 + 6 D* --> 88Sr38 + 28Si14 + 98.839 MeV [26.558 MeV] (A_Pd:370)
104Pd46 + 6 D* --> 89Y39 + 27Al13 + 94.323 MeV [22.042 MeV] (A_Pd:371)
104Pd46 + 6 D* --> 90Zr40 + 26Mg12 + 94.406 MeV [22.126 MeV] (A_Pd:372)
104Pd46 + 6 D* --> 91Zr40 + 25Mg12 + 90.508 MeV [18.227 MeV] (A_Pd:373)
104Pd46 + 6 D* --> 92Zr40 + 24Mg12 + 91.812 MeV [19.531 MeV] (A_Pd:374)
104Pd46 + 6 D* --> 93Nb41 + 23Na11 + 86.162 MeV [13.882 MeV] (A_Pd:375)
104Pd46 + 6 D* --> 94Mo42 + 22Ne10 + 85.859 MeV [13.578 MeV] (A_Pd:376)
104Pd46 + 6 D* --> 95Mo42 + 21Ne10 + 82.864 MeV [10.583 MeV] (A_Pd:377)
104Pd46 + 6 D* --> 96Mo42 + 20Ne10 + 85.257 MeV [12.976 MeV] (A_Pd:378)
104Pd46 + 6 D* --> 98Ru44 + 18O8 + 78.430 MeV [6.150 MeV] (A_Pd:379)
104Pd46 + 6 D* --> 99Ru44 + 17O8 + 77.850 MeV [5.570 MeV] (A_Pd:380)
104Pd46 + 6 D* --> 100Ru44 + 16O8 + 83.380 MeV [11.100 MeV] (A_Pd:381)
104Pd46 + 6 D* --> 104Pd46 + 12C6 + 78.814 MeV [6.534 MeV] (A_Pd:382)
104Pd46 + 6 D* --> 112Sn50 + 4He2 + 75.661 MeV [3.380 MeV] (A_Pd:383)

104Pd46 + 7 D* --> 65Cu29 + 53Cr24 + 125.108 MeV [39.616 MeV] (A_Pd:384)
104Pd46 + 7 D* --> 67Zn30 + 51V23 + 122.642 MeV [37.150 MeV] (A_Pd:385)
104Pd46 + 7 D* --> 68Zn30 + 50V23 + 121.789 MeV [36.297 MeV] (A_Pd:386)
104Pd46 + 7 D* --> 69Ga31 + 49Ti22 + 120.447 MeV [34.954 MeV] (A_Pd:387)
104Pd46 + 7 D* --> 71Ga31 + 47Ti22 + 117.633 MeV [32.140 MeV] (A_Pd:388)
104Pd46 + 7 D* --> 73Ge32 + 45Sc21 + 114.925 MeV [29.433 MeV] (A_Pd:389)
104Pd46 + 7 D* --> 75As33 + 43Ca20 + 114.001 MeV [28.509 MeV] (A_Pd:390)
104Pd46 + 7 D* --> 77Se34 + 41K19 + 112.719 MeV [27.226 MeV] (A_Pd:391)
104Pd46 + 7 D* --> 78Se34 + 40K19 + 113.121 MeV [27.629 MeV] (A_Pd:392)
104Pd46 + 7 D* --> 83Kr36 + 35Cl17 + 111.555 MeV [26.063 MeV] (A_Pd:393)
104Pd46 + 7 D* --> 85Rb37 + 33S16 + 111.313 MeV [25.821 MeV] (A_Pd:394)
104Pd46 + 7 D* --> 87Sr38 + 31P15 + 111.881 MeV [26.389 MeV] (A_Pd:395)
104Pd46 + 7 D* --> 89Y39 + 29Si14 + 112.157 MeV [26.665 MeV] (A_Pd:396)
104Pd46 + 7 D* --> 91Zr40 + 27Al13 + 107.647 MeV [22.155 MeV] (A_Pd:397)
104Pd46 + 7 D* --> 93Nb41 + 25Mg12 + 102.961 MeV [17.469 MeV] (A_Pd:398)
104Pd46 + 7 D* --> 95Mo42 + 23Na11 + 99.797 MeV [14.305 MeV] (A_Pd:399)
104Pd46 + 7 D* --> 99Ru44 + 19F9 + 91.664 MeV [6.172 MeV] (A_Pd:400)
104Pd46 + 7 D* --> 104Pd46 + 14N7 + 89.087 MeV [3.594 MeV] (A_Pd:401)
104Pd46 + 7 D* --> 108Cd48 + 10B5 + 79.762 MeV [-5.731 MeV] (A_Pd:402)
104Pd46 + 7 D* --> 112Sn50 + 6Li3 + 77.134 MeV [-8.358 MeV] (A_Pd:403)

104Pd46 + 8 D* --> 62Ni28 + 58Fe26 + 144.595 MeV [45.567 MeV] (A_Pd:404)
104Pd46 + 8 D* --> 64Ni28 + 56Fe26 + 143.400 MeV [44.372 MeV] (A_Pd:405)
104Pd46 + 8 D* --> 65Cu29 + 55Mn25 + 140.670 MeV [41.642 MeV] (A_Pd:406)

104Pd46 + 8 D* --> 66Zn30 + 54Cr24 + 141.528 MeV [42.500 MeV] (A_Pd:407)
104Pd46 + 8 D* --> 67Zn30 + 53Cr24 + 138.861 MeV [39.833 MeV] (A_Pd:408)
104Pd46 + 8 D* --> 68Zn30 + 52Cr24 + 141.120 MeV [42.092 MeV] (A_Pd:409)
104Pd46 + 8 D* --> 70Zn30 + 50Cr24 + 135.520 MeV [36.492 MeV] (A_Pd:410)
104Pd46 + 8 D* --> 69Ga31 + 51V23 + 137.225 MeV [38.197 MeV] (A_Pd:411)
104Pd46 + 8 D* --> 70Ge32 + 50Ti22 + 137.686 MeV [38.658 MeV] (A_Pd:412)
104Pd46 + 8 D* --> 72Ge32 + 48Ti22 + 136.769 MeV [37.741 MeV] (A_Pd:413)
104Pd46 + 8 D* --> 73Ge32 + 47Ti22 + 131.926 MeV [32.898 MeV] (A_Pd:414)
104Pd46 + 8 D* --> 74Ge32 + 46Ti22 + 133.242 MeV [34.214 MeV] (A_Pd:415)
104Pd46 + 8 D* --> 75As33 + 45Sc21 + 129.796 MeV [30.768 MeV] (A_Pd:416)
104Pd46 + 8 D* --> 74Se34 + 46Ca20 + 131.044 MeV [32.016 MeV] (A_Pd:417)
104Pd46 + 8 D* --> 76Se34 + 44Ca20 + 132.416 MeV [33.388 MeV] (A_Pd:418)
104Pd46 + 8 D* --> 77Se34 + 43Ca20 + 128.704 MeV [29.676 MeV] (A_Pd:419)
104Pd46 + 8 D* --> 78Se34 + 42Ca20 + 131.269 MeV [32.241 MeV] (A_Pd:420)
104Pd46 + 8 D* --> 80Se34 + 40Ca20 + 128.302 MeV [29.274 MeV] (A_Pd:421)
104Pd46 + 8 D* --> 79Br35 + 41K19 + 127.323 MeV [28.295 MeV] (A_Pd:422)
104Pd46 + 8 D* --> 81Br35 + 39K19 + 127.478 MeV [28.450 MeV] (A_Pd:423)
104Pd46 + 8 D* --> 80Kr36 + 40Ar18 + 128.628 MeV [29.600 MeV] (A_Pd:424)
104Pd46 + 8 D* --> 82Kr36 + 38Ar18 + 131.000 MeV [31.972 MeV] (A_Pd:425)
104Pd46 + 8 D* --> 84Kr36 + 36Ar18 + 128.358 MeV [29.330 MeV] (A_Pd:426)
104Pd46 + 8 D* --> 85Rb37 + 35Cl17 + 126.877 MeV [27.849 MeV] (A_Pd:427)
104Pd46 + 8 D* --> 84Sr38 + 36S16 + 127.004 MeV [27.976 MeV] (A_Pd:428)
104Pd46 + 8 D* --> 86Sr38 + 34S16 + 130.151 MeV [31.123 MeV] (A_Pd:429)
104Pd46 + 8 D* --> 87Sr38 + 33S16 + 127.162 MeV [28.134 MeV] (A_Pd:430)
104Pd46 + 8 D* --> 88Sr38 + 32S16 + 129.633 MeV [30.605 MeV] (A_Pd:431)
104Pd46 + 8 D* --> 89Y39 + 31P15 + 127.838 MeV [28.810 MeV] (A_Pd:432)
104Pd46 + 8 D* --> 90Zr40 + 30Si14 + 128.896 MeV [29.868 MeV] (A_Pd:433)
104Pd46 + 8 D* --> 91Zr40 + 29Si14 + 125.481 MeV [26.453 MeV] (A_Pd:434)
104Pd46 + 8 D* --> 92Zr40 + 28Si14 + 125.642 MeV [26.614 MeV] (A_Pd:435)
104Pd46 + 8 D* --> 93Nb41 + 27Al13 + 120.101 MeV [21.073 MeV] (A_Pd:436)
104Pd46 + 8 D* --> 94Mo42 + 26Mg12 + 120.320 MeV [21.292 MeV] (A_Pd:437)
104Pd46 + 8 D* --> 95Mo42 + 25Mg12 + 116.596 MeV [17.568 MeV] (A_Pd:438)
104Pd46 + 8 D* --> 96Mo42 + 24Mg12 + 118.420 MeV [19.392 MeV] (A_Pd:439)
104Pd46 + 8 D* --> 98Ru44 + 22Ne10 + 111.945 MeV [12.917 MeV] (A_Pd:440)
104Pd46 + 8 D* --> 99Ru44 + 21Ne10 + 109.044 MeV [10.017 MeV] (A_Pd:441)
104Pd46 + 8 D* --> 100Ru44 + 20Ne10 + 111.957 MeV [12.929 MeV] (A_Pd:442)
104Pd46 + 8 D* --> 102Pd46 + 18O8 + 104.402 MeV [5.374 MeV] (A_Pd:443)
104Pd46 + 8 D* --> 104Pd46 + 16O8 + 109.823 MeV [10.795 MeV] (A_Pd:444)
104Pd46 + 8 D* --> 108Cd48 + 12C6 + 104.948 MeV [5.920 MeV] (A_Pd:445)

104Pd46 + 9 D* --> 65Cu29 + 57Fe26 + 156.275 MeV [43.390 MeV] (A_Pd:446)
104Pd46 + 9 D* --> 67Zn30 + 55Mn25 + 154.422 MeV [41.538 MeV] (A_Pd:447)
104Pd46 + 9 D* --> 69Ga31 + 53Cr24 + 153.444 MeV [40.559 MeV] (A_Pd:448)
104Pd46 + 9 D* --> 72Ge32 + 50V23 + 150.639 MeV [37.754 MeV] (A_Pd:449)
104Pd46 + 9 D* --> 75As33 + 47Ti22 + 146.796 MeV [33.911 MeV] (A_Pd:450)
104Pd46 + 9 D* --> 77Se34 + 45Sc21 + 144.499 MeV [31.614 MeV] (A_Pd:451)
104Pd46 + 9 D* --> 79Br35 + 43Ca20 + 143.309 MeV [30.424 MeV] (A_Pd:452)
104Pd46 + 9 D* --> 82Kr36 + 40K19 + 142.956 MeV [30.071 MeV] (A_Pd:453)
104Pd46 + 9 D* --> 83Kr36 + 39K19 + 142.620 MeV [29.735 MeV] (A_Pd:454)
104Pd46 + 9 D* --> 87Sr38 + 35Cl17 + 142.725 MeV [29.841 MeV] (A_Pd:455)
104Pd46 + 9 D* --> 89Y39 + 33S16 + 143.119 MeV [30.234 MeV] (A_Pd:456)
104Pd46 + 9 D* --> 91Zr40 + 31P15 + 141.163 MeV [28.278 MeV] (A_Pd:457)
104Pd46 + 9 D* --> 93Nb41 + 29Si14 + 137.935 MeV [25.050 MeV] (A_Pd:458)
104Pd46 + 9 D* --> 95Mo42 + 27Al13 + 133.736 MeV [20.851 MeV] (A_Pd:459)

104Pd46 + 9 D* --> 99Ru44 + 23Na11 + 125.978 MeV [13.093 MeV] (A_Pd:460)
104Pd46 + 9 D* --> 108Cd48 + 14N7 + 115.220 MeV [2.336 MeV] (A_Pd:461)
104Pd46 + 9 D* --> 112Sn50 + 10B5 + 105.442 MeV [-7.443 MeV] (A_Pd:462)

104Pd46 + 10 D* --> 62Ni28 + 62Ni28 + 175.459 MeV [48.400 MeV] (A_Pd:463)
104Pd46 + 10 D* --> 64Ni28 + 60Ni28 + 173.539 MeV [46.479 MeV] (A_Pd:464)
104Pd46 + 10 D* --> 65Cu29 + 59Co27 + 171.459 MeV [44.400 MeV] (A_Pd:465)
104Pd46 + 10 D* --> 66Zn30 + 58Fe26 + 173.020 MeV [45.960 MeV] (A_Pd:466)
104Pd46 + 10 D* --> 67Zn30 + 57Fe26 + 170.028 MeV [42.968 MeV] (A_Pd:467)
104Pd46 + 10 D* --> 68Zn30 + 56Fe26 + 172.580 MeV [45.520 MeV] (A_Pd:468)
104Pd46 + 10 D* --> 70Zn30 + 54Fe26 + 167.784 MeV [40.725 MeV] (A_Pd:469)
104Pd46 + 10 D* --> 69Ga31 + 55Mn25 + 169.006 MeV [41.946 MeV] (A_Pd:470)
104Pd46 + 10 D* --> 70Ge32 + 54Cr24 + 169.463 MeV [42.403 MeV] (A_Pd:471)
104Pd46 + 10 D* --> 72Ge32 + 52Cr24 + 169.970 MeV [42.910 MeV] (A_Pd:472)
104Pd46 + 10 D* --> 74Ge32 + 50Cr24 + 165.649 MeV [38.589 MeV] (A_Pd:473)
104Pd46 + 10 D* --> 74Se34 + 50Ti22 + 165.607 MeV [38.547 MeV] (A_Pd:474)
104Pd46 + 10 D* --> 76Se34 + 48Ti22 + 165.707 MeV [38.647 MeV] (A_Pd:475)
104Pd46 + 10 D* --> 77Se34 + 47Ti22 + 161.499 MeV [34.439 MeV] (A_Pd:476)
104Pd46 + 10 D* --> 78Se34 + 46Ti22 + 163.117 MeV [36.057 MeV] (A_Pd:477)
104Pd46 + 10 D* --> 79Br35 + 45Sc21 + 159.103 MeV [32.044 MeV] (A_Pd:478)
104Pd46 + 10 D* --> 78Kr36 + 46Ca20 + 159.282 MeV [32.222 MeV] (A_Pd:479)
104Pd46 + 10 D* --> 80Kr36 + 44Ca20 + 161.328 MeV [34.268 MeV] (A_Pd:480)
104Pd46 + 10 D* --> 82Kr36 + 42Ca20 + 161.104 MeV [34.044 MeV] (A_Pd:481)
104Pd46 + 10 D* --> 84Kr36 + 40Ca20 + 159.244 MeV [32.185 MeV] (A_Pd:482)
104Pd46 + 10 D* --> 85Rb37 + 39K19 + 157.942 MeV [30.882 MeV] (A_Pd:483)
104Pd46 + 10 D* --> 84Sr38 + 40Ar18 + 157.651 MeV [30.591 MeV] (A_Pd:484)
104Pd46 + 10 D* --> 86Sr38 + 38Ar18 + 161.205 MeV [34.146 MeV] (A_Pd:485)
104Pd46 + 10 D* --> 88Sr38 + 36Ar18 + 160.120 MeV [33.061 MeV] (A_Pd:486)
104Pd46 + 10 D* --> 89Y39 + 35Cl17 + 158.682 MeV [31.623 MeV] (A_Pd:487)
104Pd46 + 10 D* --> 90Zr40 + 34S16 + 160.666 MeV [33.606 MeV] (A_Pd:488)
104Pd46 + 10 D* --> 91Zr40 + 33S16 + 156.444 MeV [29.384 MeV] (A_Pd:489)
104Pd46 + 10 D* --> 92Zr40 + 32S16 + 156.437 MeV [29.377 MeV] (A_Pd:490)
104Pd46 + 10 D* --> 93Nb41 + 31P15 + 153.616 MeV [26.557 MeV] (A_Pd:491)
104Pd46 + 10 D* --> 94Mo42 + 30Si14 + 154.810 MeV [27.750 MeV] (A_Pd:492)
104Pd46 + 10 D* --> 95Mo42 + 29Si14 + 151.570 MeV [24.510 MeV] (A_Pd:493)
104Pd46 + 10 D* --> 96Mo42 + 28Si14 + 152.250 MeV [25.191 MeV] (A_Pd:494)
104Pd46 + 10 D* --> 98Ru44 + 26Mg12 + 146.406 MeV [19.346 MeV] (A_Pd:495)
104Pd46 + 10 D* --> 99Ru44 + 25Mg12 + 142.777 MeV [15.717 MeV] (A_Pd:496)
104Pd46 + 10 D* --> 100Ru44 + 24Mg12 + 145.120 MeV [18.060 MeV] (A_Pd:497)
104Pd46 + 10 D* --> 102Pd46 + 22Ne10 + 137.917 MeV [10.857 MeV] (A_Pd:498)
104Pd46 + 10 D* --> 104Pd46 + 20Ne10 + 138.399 MeV [11.339 MeV] (A_Pd:499)
104Pd46 + 10 D* --> 106Cd48 + 18O8 + 129.881 MeV [2.821 MeV] (A_Pd:500)
104Pd46 + 10 D* --> 108Cd48 + 16O8 + 135.956 MeV [8.897 MeV] (A_Pd:501)
104Pd46 + 10 D* --> 112Sn50 + 12C6 + 130.628 MeV [3.569 MeV] (A_Pd:502)

104Pd46 + 11 D* --> 65Cu29 + 61Ni28 + 186.587 MeV [45.038 MeV] (A_Pd:503)
104Pd46 + 11 D* --> 67Zn30 + 59Co27 + 185.212 MeV [43.662 MeV] (A_Pd:504)
104Pd46 + 11 D* --> 69Ga31 + 57Fe26 + 184.611 MeV [43.061 MeV] (A_Pd:505)
104Pd46 + 11 D* --> 76Se34 + 50V23 + 179.577 MeV [38.027 MeV] (A_Pd:506)
104Pd46 + 11 D* --> 79Br35 + 47Ti22 + 176.104 MeV [34.554 MeV] (A_Pd:507)
104Pd46 + 11 D* --> 86Sr38 + 40K19 + 173.162 MeV [31.612 MeV] (A_Pd:508)
104Pd46 + 11 D* --> 87Sr38 + 39K19 + 173.790 MeV [32.240 MeV] (A_Pd:509)
104Pd46 + 11 D* --> 91Zr40 + 35Cl17 + 172.007 MeV [30.457 MeV] (A_Pd:510)
104Pd46 + 11 D* --> 93Nb41 + 33S16 + 168.897 MeV [27.347 MeV] (A_Pd:511)

104Pd46 + 11 D* --> 95Mo42 + 31P15 + 167.251 MeV [25.701 MeV] (A_Pd:512)
104Pd46 + 11 D* --> 99Ru44 + 27Al13 + 159.917 MeV [18.367 MeV] (A_Pd:513)
104Pd46 + 11 D* --> 112Sn50 + 14N7 + 140.901 MeV [-0.649 MeV] (A_Pd:514)

104Pd46 + 12 D* --> 64Ni28 + 64Zn30 + 201.341 MeV [44.989 MeV] (A_Pd:515)
104Pd46 + 12 D* --> 65Cu29 + 63Cu29 + 201.082 MeV [44.729 MeV] (A_Pd:516)
104Pd46 + 12 D* --> 64Zn30 + 64Ni28 + 201.341 MeV [44.989 MeV] (A_Pd:517)
104Pd46 + 12 D* --> 66Zn30 + 62Ni28 + 203.884 MeV [47.531 MeV] (A_Pd:518)
104Pd46 + 12 D* --> 67Zn30 + 61Ni28 + 200.340 MeV [43.987 MeV] (A_Pd:519)
104Pd46 + 12 D* --> 68Zn30 + 60Ni28 + 202.718 MeV [46.365 MeV] (A_Pd:520)
104Pd46 + 12 D* --> 70Zn30 + 58Ni28 + 198.031 MeV [41.678 MeV] (A_Pd:521)
104Pd46 + 12 D* --> 69Ga31 + 59Co27 + 199.795 MeV [43.442 MeV] (A_Pd:522)
104Pd46 + 12 D* --> 70Ge32 + 58Fe26 + 200.955 MeV [44.602 MeV] (A_Pd:523)
104Pd46 + 12 D* --> 72Ge32 + 56Fe26 + 201.430 MeV [45.077 MeV] (A_Pd:524)
104Pd46 + 12 D* --> 74Ge32 + 54Fe26 + 197.914 MeV [41.561 MeV] (A_Pd:525)
104Pd46 + 12 D* --> 74Se34 + 54Cr24 + 197.384 MeV [41.031 MeV] (A_Pd:526)
104Pd46 + 12 D* --> 76Se34 + 52Cr24 + 198.908 MeV [42.555 MeV] (A_Pd:527)
104Pd46 + 12 D* --> 78Se34 + 50Cr24 + 195.524 MeV [39.172 MeV] (A_Pd:528)
104Pd46 + 12 D* --> 78Kr36 + 50Ti22 + 193.845 MeV [37.492 MeV] (A_Pd:529)
104Pd46 + 12 D* --> 80Kr36 + 48Ti22 + 194.619 MeV [38.266 MeV] (A_Pd:530)
104Pd46 + 12 D* --> 82Kr36 + 46Ti22 + 192.952 MeV [36.599 MeV] (A_Pd:531)
104Pd46 + 12 D* --> 84Sr38 + 44Ca20 + 190.351 MeV [33.998 MeV] (A_Pd:532)
104Pd46 + 12 D* --> 86Sr38 + 42Ca20 + 191.309 MeV [34.957 MeV] (A_Pd:533)
104Pd46 + 12 D* --> 88Sr38 + 40Ca20 + 191.007 MeV [34.654 MeV] (A_Pd:534)
104Pd46 + 12 D* --> 89Y39 + 39K19 + 189.747 MeV [33.395 MeV] (A_Pd:535)
104Pd46 + 12 D* --> 90Zr40 + 38Ar18 + 191.720 MeV [35.368 MeV] (A_Pd:536)
104Pd46 + 12 D* --> 92Zr40 + 36Ar18 + 186.924 MeV [30.571 MeV] (A_Pd:537)
104Pd46 + 12 D* --> 93Nb41 + 35Cl17 + 184.460 MeV [28.108 MeV] (A_Pd:538)
104Pd46 + 12 D* --> 92Mo42 + 36S16 + 185.708 MeV [29.355 MeV] (A_Pd:539)
104Pd46 + 12 D* --> 94Mo42 + 34S16 + 186.580 MeV [30.227 MeV] (A_Pd:540)
104Pd46 + 12 D* --> 95Mo42 + 33S16 + 182.532 MeV [26.179 MeV] (A_Pd:541)
104Pd46 + 12 D* --> 96Mo42 + 32S16 + 183.045 MeV [26.692 MeV] (A_Pd:542)
104Pd46 + 12 D* --> 98Ru44 + 30Si14 + 180.896 MeV [24.543 MeV] (A_Pd:543)
104Pd46 + 12 D* --> 99Ru44 + 29Si14 + 177.751 MeV [21.398 MeV] (A_Pd:544)
104Pd46 + 12 D* --> 100Ru44 + 28Si14 + 178.950 MeV [22.598 MeV] (A_Pd:545)
104Pd46 + 12 D* --> 102Pd46 + 26Mg12 + 172.378 MeV [16.026 MeV] (A_Pd:546)
104Pd46 + 12 D* --> 104Pd46 + 24Mg12 + 171.562 MeV [15.210 MeV] (A_Pd:547)
104Pd46 + 12 D* --> 106Cd48 + 22Ne10 + 163.396 MeV [7.043 MeV] (A_Pd:548)
104Pd46 + 12 D* --> 108Cd48 + 20Ne10 + 164.533 MeV [8.180 MeV] (A_Pd:549)
104Pd46 + 12 D* --> 112Sn50 + 16O8 + 161.637 MeV [5.284 MeV] (A_Pd:550)

105Pd46 + D* --> 59Co27 + 48Ca20 + 31.165 MeV [20.003 MeV] (A_Pd:551)
105Pd46 + D* --> 70Zn30 + 37Cl17 + 26.049 MeV [14.887 MeV] (A_Pd:552)
105Pd46 + D* --> 71Ga31 + 36S16 + 25.527 MeV [14.365 MeV] (A_Pd:553)
105Pd46 + D* --> 76Ge32 + 31P15 + 22.377 MeV [11.215 MeV] (A_Pd:554)
105Pd46 + D* --> 80Se34 + 27Al13 + 19.679 MeV [8.517 MeV] (A_Pd:555)
105Pd46 + D* --> 81Br35 + 26Mg12 + 18.912 MeV [7.750 MeV] (A_Pd:556)
105Pd46 + D* --> 84Kr36 + 23Na11 + 16.684 MeV [5.522 MeV] (A_Pd:557)
105Pd46 + D* --> 85Rb37 + 22Ne10 + 14.915 MeV [3.753 MeV] (A_Pd:558)
105Pd46 + D* --> 87Rb37 + 20Ne10 + 16.363 MeV [5.200 MeV] (A_Pd:559)
105Pd46 + D* --> 88Sr38 + 19F9 + 14.132 MeV [2.970 MeV] (A_Pd:560)
105Pd46 + D* --> 89Y39 + 18O8 + 13.206 MeV [2.044 MeV] (A_Pd:561)
105Pd46 + D* --> 92Zr40 + 15N7 + 13.075 MeV [1.913 MeV] (A_Pd:562)
105Pd46 + D* --> 96Mo42 + 11B5 + 4.845 MeV [-6.317 MeV] (A_Pd:563)

105Pd46 + D* --> 97Mo42 + 10B5 + 00.213 MeV [-10.950 MeV] (A_Pd:564)
105Pd46 + D* --> 103Rh45 + 4He2 + 10.320 MeV [-0.842 MeV] (A_Pd:565)
105Pd46 + D* --> 106Pd46 + 1H1 + 7.336 MeV [-3.826 MeV] (A_Pd:566)
105Pd46 + D* --> 107Ag47 + 13.125 MeV [1.962 MeV] (A_Pd:567)

105Pd46 + 2 D* --> 61Ni28 + 48Ca20 + 46.294 MeV [23.624 MeV] (A_Pd:568)
105Pd46 + 2 D* --> 73Ge32 + 36S16 + 39.820 MeV [17.151 MeV] (A_Pd:569)
105Pd46 + 2 D* --> 76Ge32 + 33S16 + 37.658 MeV [14.988 MeV] (A_Pd:570)
105Pd46 + 2 D* --> 80Se34 + 29Si14 + 37.514 MeV [14.844 MeV] (A_Pd:571)
105Pd46 + 2 D* --> 83Kr36 + 26Mg12 + 34.055 MeV [11.386 MeV] (A_Pd:572)
105Pd46 + 2 D* --> 84Kr36 + 25Mg12 + 33.482 MeV [10.813 MeV] (A_Pd:573)
105Pd46 + 2 D* --> 87Sr38 + 22Ne10 + 30.764 MeV [8.094 MeV] (A_Pd:574)
105Pd46 + 2 D* --> 88Sr38 + 21Ne10 + 31.512 MeV [8.843 MeV] (A_Pd:575)
105Pd46 + 2 D* --> 91Zr40 + 18O8 + 26.531 MeV [3.861 MeV] (A_Pd:576)
105Pd46 + 2 D* --> 92Zr40 + 17O8 + 27.121 MeV [4.452 MeV] (A_Pd:577)
105Pd46 + 2 D* --> 96Mo42 + 13C6 + 23.524 MeV [00.855 MeV] (A_Pd:578)
105Pd46 + 2 D* --> 97Mo42 + 12C6 + 25.399 MeV [2.730 MeV] (A_Pd:579)
105Pd46 + 2 D* --> 100Ru44 + 9Be4 + 15.730 MeV [-6.939 MeV] (A_Pd:580)
105Pd46 + 2 D* --> 103Rh45 + 6Li3 + 11.794 MeV [-10.875 MeV] (A_Pd:581)
105Pd46 + 2 D* --> 105Pd46 + 4He2 + 23.847 MeV [1.177 MeV] (A_Pd:582)
105Pd46 + 2 D* --> 106Pd46 + 3He2 + 12.830 MeV [-9.839 MeV] (A_Pd:583)
105Pd46 + 2 D* --> 107Ag47 + 2H1 + 13.125 MeV [-9.545 MeV] (A_Pd:584)

105Pd46 + 3 D* --> 63Cu29 + 48Ca20 + 60.788 MeV [26.270 MeV] (A_Pd:585)
105Pd46 + 3 D* --> 65Cu29 + 46Ca20 + 61.393 MeV [26.875 MeV] (A_Pd:586)
105Pd46 + 3 D* --> 70Zn30 + 41K19 + 56.118 MeV [21.600 MeV] (A_Pd:587)
105Pd46 + 3 D* --> 71Ga31 + 40Ar18 + 56.174 MeV [21.657 MeV] (A_Pd:588)
105Pd46 + 3 D* --> 74Ge32 + 37Cl17 + 56.178 MeV [21.661 MeV] (A_Pd:589)
105Pd46 + 3 D* --> 76Ge32 + 35Cl17 + 53.221 MeV [18.703 MeV] (A_Pd:590)
105Pd46 + 3 D* --> 75As33 + 36S16 + 54.691 MeV [20.173 MeV] (A_Pd:591)
105Pd46 + 3 D* --> 80Se34 + 31P15 + 53.195 MeV [18.678 MeV] (A_Pd:592)
105Pd46 + 3 D* --> 81Br35 + 30Si14 + 53.402 MeV [18.885 MeV] (A_Pd:593)
105Pd46 + 3 D* --> 84Kr36 + 27Al13 + 50.622 MeV [16.104 MeV] (A_Pd:594)
105Pd46 + 3 D* --> 85Rb37 + 26Mg12 + 49.376 MeV [14.859 MeV] (A_Pd:595)
105Pd46 + 3 D* --> 87Rb37 + 24Mg12 + 49.526 MeV [15.008 MeV] (A_Pd:596)
105Pd46 + 3 D* --> 88Sr38 + 23Na11 + 48.446 MeV [13.928 MeV] (A_Pd:597)
105Pd46 + 3 D* --> 89Y39 + 22Ne10 + 46.721 MeV [12.203 MeV] (A_Pd:598)
105Pd46 + 3 D* --> 92Zr40 + 19F9 + 40.936 MeV [6.418 MeV] (A_Pd:599)
105Pd46 + 3 D* --> 93Nb41 + 18O8 + 38.984 MeV [4.467 MeV] (A_Pd:600)
105Pd46 + 3 D* --> 96Mo42 + 15N7 + 39.683 MeV [5.166 MeV] (A_Pd:601)
105Pd46 + 3 D* --> 97Mo42 + 14N7 + 35.671 MeV [1.154 MeV] (A_Pd:602)
105Pd46 + 3 D* --> 100Ru44 + 11B5 + 31.545 MeV [-2.972 MeV] (A_Pd:603)
105Pd46 + 3 D* --> 101Ru44 + 10B5 + 26.893 MeV [-7.624 MeV] (A_Pd:604)
105Pd46 + 3 D* --> 104Pd46 + 7Li3 + 25.476 MeV [-9.041 MeV] (A_Pd:605)
105Pd46 + 3 D* --> 105Pd46 + 6Li3 + 25.320 MeV [-9.197 MeV] (A_Pd:606)
105Pd46 + 3 D* --> 107Ag47 + 4He2 + 36.971 MeV [2.454 MeV] (A_Pd:607)
105Pd46 + 3 D* --> 110Cd48 + 1H1 + 34.058 MeV [-0.459 MeV] (A_Pd:608)

105Pd46 + 4 D* --> 64Ni28 + 49Ti22 + 79.788 MeV [33.085 MeV] (A_Pd:609)
105Pd46 + 4 D* --> 67Zn30 + 46Ca20 + 75.146 MeV [28.442 MeV] (A_Pd:610)
105Pd46 + 4 D* --> 70Zn30 + 43Ca20 + 72.103 MeV [25.400 MeV] (A_Pd:611)
105Pd46 + 4 D* --> 73Ge32 + 40Ar18 + 70.467 MeV [23.764 MeV] (A_Pd:612)
105Pd46 + 4 D* --> 77Se34 + 36S16 + 69.394 MeV [22.690 MeV] (A_Pd:613)
105Pd46 + 4 D* --> 80Se34 + 33S16 + 68.476 MeV [21.773 MeV] (A_Pd:614)

105Pd46 + 4 D* --> 83Kr36 + 30Si14 + 68.545 MeV [21.841 MeV] (A_Pd:615)
105Pd46 + 4 D* --> 84Kr36 + 29Si14 + 68.456 MeV [21.753 MeV] (A_Pd:616)
105Pd46 + 4 D* --> 87Sr38 + 26Mg12 + 65.225 MeV [18.522 MeV] (A_Pd:617)
105Pd46 + 4 D* --> 88Sr38 + 25Mg12 + 65.245 MeV [18.541 MeV] (A_Pd:618)
105Pd46 + 4 D* --> 91Zr40 + 22Ne10 + 60.045 MeV [13.342 MeV] (A_Pd:619)
105Pd46 + 4 D* --> 92Zr40 + 21Ne10 + 58.316 MeV [11.612 MeV] (A_Pd:620)
105Pd46 + 4 D* --> 95Mo42 + 18O8 + 52.619 MeV [5.916 MeV] (A_Pd:621)
105Pd46 + 4 D* --> 96Mo42 + 17O8 + 53.729 MeV [7.026 MeV] (A_Pd:622)
105Pd46 + 4 D* --> 97Mo42 + 16O8 + 56.408 MeV [9.704 MeV] (A_Pd:623)
105Pd46 + 4 D* --> 100Ru44 + 13C6 + 50.224 MeV [3.521 MeV] (A_Pd:624)
105Pd46 + 4 D* --> 101Ru44 + 12C6 + 52.080 MeV [5.376 MeV] (A_Pd:625)
105Pd46 + 4 D* --> 103Rh45 + 10B5 + 40.102 MeV [-6.602 MeV] (A_Pd:626)
105Pd46 + 4 D* --> 104Pd46 + 9Be4 + 42.172 MeV [-4.531 MeV] (A_Pd:627)
105Pd46 + 4 D* --> 107Ag47 + 6Li3 + 38.445 MeV [-8.258 MeV] (A_Pd:628)
105Pd46 + 4 D* --> 110Cd48 + 3He2 + 39.552 MeV [-7.152 MeV] (A_Pd:629)

105Pd46 + 5 D* --> 64Ni28 + 51V23 + 96.566 MeV [37.343 MeV] (A_Pd:630)
105Pd46 + 5 D* --> 65Cu29 + 50Ti22 + 95.956 MeV [36.733 MeV] (A_Pd:631)
105Pd46 + 5 D* --> 70Zn30 + 45Sc21 + 87.898 MeV [28.675 MeV] (A_Pd:632)
105Pd46 + 5 D* --> 69Ga31 + 46Ca20 + 89.729 MeV [30.505 MeV] (A_Pd:633)
105Pd46 + 5 D* --> 71Ga31 + 44Ca20 + 88.875 MeV [29.651 MeV] (A_Pd:634)
105Pd46 + 5 D* --> 74Ge32 + 41K19 + 86.247 MeV [27.024 MeV] (A_Pd:635)
105Pd46 + 5 D* --> 76Ge32 + 39K19 + 84.286 MeV [25.062 MeV] (A_Pd:636)
105Pd46 + 5 D* --> 75As33 + 40Ar18 + 85.338 MeV [26.115 MeV] (A_Pd:637)
105Pd46 + 5 D* --> 78Se34 + 37Cl17 + 86.053 MeV [26.830 MeV] (A_Pd:638)
105Pd46 + 5 D* --> 80Se34 + 35Cl17 + 84.039 MeV [24.816 MeV] (A_Pd:639)
105Pd46 + 5 D* --> 79Br35 + 36S16 + 83.998 MeV [24.775 MeV] (A_Pd:640)
105Pd46 + 5 D* --> 81Br35 + 34S16 + 85.172 MeV [25.949 MeV] (A_Pd:641)
105Pd46 + 5 D* --> 84Kr36 + 31P15 + 84.138 MeV [24.914 MeV] (A_Pd:642)
105Pd46 + 5 D* --> 85Rb37 + 30Si14 + 83.866 MeV [24.643 MeV] (A_Pd:643)
105Pd46 + 5 D* --> 87Rb37 + 28Si14 + 83.356 MeV [24.133 MeV] (A_Pd:644)
105Pd46 + 5 D* --> 88Sr38 + 27Al13 + 82.384 MeV [23.161 MeV] (A_Pd:645)
105Pd46 + 5 D* --> 89Y39 + 26Mg12 + 81.182 MeV [21.959 MeV] (A_Pd:646)
105Pd46 + 5 D* --> 92Zr40 + 23Na11 + 75.250 MeV [16.026 MeV] (A_Pd:647)
105Pd46 + 5 D* --> 93Nb41 + 22Ne10 + 72.499 MeV [13.275 MeV] (A_Pd:648)
105Pd46 + 5 D* --> 96Mo42 + 19F9 + 67.544 MeV [8.320 MeV] (A_Pd:649)
105Pd46 + 5 D* --> 100Ru44 + 15N7 + 66.383 MeV [7.160 MeV] (A_Pd:650)
105Pd46 + 5 D* --> 101Ru44 + 14N7 + 62.352 MeV [3.129 MeV] (A_Pd:651)
105Pd46 + 5 D* --> 103Rh45 + 12C6 + 65.288 MeV [6.065 MeV] (A_Pd:652)
105Pd46 + 5 D* --> 104Pd46 + 11B5 + 57.988 MeV [-1.235 MeV] (A_Pd:653)
105Pd46 + 5 D* --> 105Pd46 + 10B5 + 53.628 MeV [-5.596 MeV] (A_Pd:654)
105Pd46 + 5 D* --> 108Cd48 + 7Li3 + 51.610 MeV [-7.613 MeV] (A_Pd:655)
105Pd46 + 5 D* --> 114Sn50 + 1H1 + 60.538 MeV [1.314 MeV] (A_Pd:656)

105Pd46 + 6 D* --> 64Ni28 + 53Cr24 + 112.786 MeV [40.712 MeV] (A_Pd:657)
105Pd46 + 6 D* --> 67Zn30 + 50Ti22 + 109.709 MeV [37.635 MeV] (A_Pd:658)
105Pd46 + 6 D* --> 68Zn30 + 49Ti22 + 108.968 MeV [36.894 MeV] (A_Pd:659)
105Pd46 + 6 D* --> 70Zn30 + 47Ti22 + 104.899 MeV [32.825 MeV] (A_Pd:660)
105Pd46 + 6 D* --> 73Ge32 + 44Ca20 + 103.168 MeV [31.094 MeV] (A_Pd:661)
105Pd46 + 6 D* --> 74Ge32 + 43Ca20 + 102.233 MeV [30.159 MeV] (A_Pd:662)
105Pd46 + 6 D* --> 77Se34 + 40Ar18 + 100.041 MeV [27.967 MeV] (A_Pd:663)
105Pd46 + 6 D* --> 83Kr36 + 34S16 + 100.315 MeV [28.241 MeV] (A_Pd:664)
105Pd46 + 6 D* --> 84Kr36 + 33S16 + 99.418 MeV [27.344 MeV] (A_Pd:665)
105Pd46 + 6 D* --> 87Sr38 + 30Si14 + 99.715 MeV [27.641 MeV] (A_Pd:666)

105Pd46 + 6 D* --> 88Sr38 + 29Si14 + 100.218 MeV [28.144 MeV] (A_Pd:667)
105Pd46 + 6 D* --> 91Zr40 + 26Mg12 + 94.506 MeV [22.432 MeV] (A_Pd:668)
105Pd46 + 6 D* --> 92Zr40 + 25Mg12 + 92.048 MeV [19.974 MeV] (A_Pd:669)
105Pd46 + 6 D* --> 95Mo42 + 22Ne10 + 86.134 MeV [14.060 MeV] (A_Pd:670)
105Pd46 + 6 D* --> 96Mo42 + 21Ne10 + 84.924 MeV [12.850 MeV] (A_Pd:671)
105Pd46 + 6 D* --> 97Mo42 + 20Ne10 + 84.984 MeV [12.910 MeV] (A_Pd:672)
105Pd46 + 6 D* --> 99Ru44 + 18O8 + 78.800 MeV [6.726 MeV] (A_Pd:673)
105Pd46 + 6 D* --> 100Ru44 + 17O8 + 80.429 MeV [8.355 MeV] (A_Pd:674)
105Pd46 + 6 D* --> 101Ru44 + 16O8 + 83.088 MeV [11.014 MeV] (A_Pd:675)
105Pd46 + 6 D* --> 103Rh45 + 14N7 + 75.560 MeV [3.486 MeV] (A_Pd:676)
105Pd46 + 6 D* --> 104Pd46 + 13C6 + 76.667 MeV [4.593 MeV] (A_Pd:677)
105Pd46 + 6 D* --> 105Pd46 + 12C6 + 78.814 MeV [6.740 MeV] (A_Pd:678)
105Pd46 + 6 D* --> 107Ag47 + 10B5 + 66.753 MeV [-5.321 MeV] (A_Pd:679)
105Pd46 + 6 D* --> 108Cd48 + 9Be4 + 68.306 MeV [-3.768 MeV] (A_Pd:680)
105Pd46 + 6 D* --> 114Sn50 + 3He2 + 66.031 MeV [-6.043 MeV] (A_Pd:681)

105Pd46 + 7 D* --> 64Ni28 + 55Mn25 + 128.347 MeV [43.095 MeV] (A_Pd:682)
105Pd46 + 7 D* --> 65Cu29 + 54Cr24 + 127.733 MeV [42.481 MeV] (A_Pd:683)
105Pd46 + 7 D* --> 68Zn30 + 51V23 + 125.746 MeV [40.494 MeV] (A_Pd:684)
105Pd46 + 7 D* --> 69Ga31 + 50Ti22 + 124.292 MeV [39.040 MeV] (A_Pd:685)
105Pd46 + 7 D* --> 71Ga31 + 48Ti22 + 122.165 MeV [36.913 MeV] (A_Pd:686)
105Pd46 + 7 D* --> 74Ge32 + 45Sc21 + 118.027 MeV [32.775 MeV] (A_Pd:687)
105Pd46 + 7 D* --> 75As33 + 44Ca20 + 118.038 MeV [32.786 MeV] (A_Pd:688)
105Pd46 + 7 D* --> 78Se34 + 41K19 + 116.122 MeV [30.870 MeV] (A_Pd:689)
105Pd46 + 7 D* --> 80Se34 + 39K19 + 115.104 MeV [29.852 MeV] (A_Pd:690)
105Pd46 + 7 D* --> 79Br35 + 40Ar18 + 114.646 MeV [29.394 MeV] (A_Pd:691)
105Pd46 + 7 D* --> 81Br35 + 38Ar18 + 116.227 MeV [30.975 MeV] (A_Pd:692)
105Pd46 + 7 D* --> 82Kr36 + 37Cl17 + 115.888 MeV [30.636 MeV] (A_Pd:693)
105Pd46 + 7 D* --> 84Kr36 + 35Cl17 + 114.982 MeV [29.730 MeV] (A_Pd:694)
105Pd46 + 7 D* --> 85Rb37 + 34S16 + 115.636 MeV [30.384 MeV] (A_Pd:695)
105Pd46 + 7 D* --> 87Rb37 + 32S16 + 114.151 MeV [28.899 MeV] (A_Pd:696)
105Pd46 + 7 D* --> 88Sr38 + 31P15 + 115.900 MeV [30.648 MeV] (A_Pd:697)
105Pd46 + 7 D* --> 89Y39 + 30Si14 + 115.672 MeV [30.420 MeV] (A_Pd:698)
105Pd46 + 7 D* --> 92Zr40 + 27Al13 + 109.188 MeV [23.936 MeV] (A_Pd:699)
105Pd46 + 7 D* --> 93Nb41 + 26Mg12 + 106.960 MeV [21.708 MeV] (A_Pd:700)
105Pd46 + 7 D* --> 96Mo42 + 23Na11 + 101.858 MeV [16.606 MeV] (A_Pd:701)
105Pd46 + 7 D* --> 100Ru44 + 19F9 + 94.244 MeV [8.992 MeV] (A_Pd:702)
105Pd46 + 7 D* --> 103Rh45 + 16O8 + 96.296 MeV [11.044 MeV] (A_Pd:703)
105Pd46 + 7 D* --> 104Pd46 + 15N7 + 92.826 MeV [7.574 MeV] (A_Pd:704)
105Pd46 + 7 D* --> 105Pd46 + 14N7 + 89.087 MeV [3.835 MeV] (A_Pd:705)
105Pd46 + 7 D* --> 107Ag47 + 12C6 + 91.939 MeV [6.687 MeV] (A_Pd:706)
105Pd46 + 7 D* --> 108Cd48 + 11B5 + 84.122 MeV [-1.130 MeV] (A_Pd:707)
105Pd46 + 7 D* --> 112Sn50 + 7Li3 + 77.290 MeV [-7.962 MeV] (A_Pd:708)

105Pd46 + 8 D* --> 64Ni28 + 57Fe26 + 143.952 MeV [45.198 MeV] (A_Pd:709)
105Pd46 + 8 D* --> 67Zn30 + 54Cr24 + 141.486 MeV [42.732 MeV] (A_Pd:710)
105Pd46 + 8 D* --> 68Zn30 + 53Cr24 + 141.965 MeV [43.210 MeV] (A_Pd:711)
105Pd46 + 8 D* --> 71Ga31 + 50V23 + 136.035 MeV [37.280 MeV] (A_Pd:712)
105Pd46 + 8 D* --> 72Ge32 + 49Ti22 + 137.818 MeV [39.063 MeV] (A_Pd:713)
105Pd46 + 8 D* --> 73Ge32 + 48Ti22 + 136.458 MeV [37.704 MeV] (A_Pd:714)
105Pd46 + 8 D* --> 74Ge32 + 47Ti22 + 135.028 MeV [36.273 MeV] (A_Pd:715)
105Pd46 + 8 D* --> 77Se34 + 44Ca20 + 132.741 MeV [33.987 MeV] (A_Pd:716)
105Pd46 + 8 D* --> 78Se34 + 43Ca20 + 132.108 MeV [33.353 MeV] (A_Pd:717)
105Pd46 + 8 D* --> 81Br35 + 40K19 + 128.183 MeV [29.429 MeV] (A_Pd:718)

105Pd46 + 8 D* --> 83Kr36 + 38Ar18 + 131.369 MeV [32.615 MeV] (A_Pd:719)
105Pd46 + 8 D* --> 87Sr38 + 34S16 + 131.485 MeV [32.731 MeV] (A_Pd:720)
105Pd46 + 8 D* --> 88Sr38 + 33S16 + 131.181 MeV [32.426 MeV] (A_Pd:721)
105Pd46 + 8 D* --> 91Zr40 + 30Si14 + 128.996 MeV [30.242 MeV] (A_Pd:722)
105Pd46 + 8 D* --> 92Zr40 + 29Si14 + 127.022 MeV [28.267 MeV] (A_Pd:723)
105Pd46 + 8 D* --> 95Mo42 + 26Mg12 + 120.595 MeV [21.841 MeV] (A_Pd:724)
105Pd46 + 8 D* --> 96Mo42 + 25Mg12 + 118.656 MeV [19.902 MeV] (A_Pd:725)
105Pd46 + 8 D* --> 97Mo42 + 24Mg12 + 118.147 MeV [19.393 MeV] (A_Pd:726)
105Pd46 + 8 D* --> 99Ru44 + 22Ne10 + 112.315 MeV [13.560 MeV] (A_Pd:727)
105Pd46 + 8 D* --> 100Ru44 + 21Ne10 + 111.624 MeV [12.869 MeV] (A_Pd:728)
105Pd46 + 8 D* --> 101Ru44 + 20Ne10 + 111.665 MeV [12.910 MeV] (A_Pd:729)
105Pd46 + 8 D* --> 104Pd46 + 17O8 + 106.872 MeV [8.117 MeV] (A_Pd:730)
105Pd46 + 8 D* --> 105Pd46 + 16O8 + 109.823 MeV [11.068 MeV] (A_Pd:731)
105Pd46 + 8 D* --> 107Ag47 + 14N7 + 102.211 MeV [3.457 MeV] (A_Pd:732)
105Pd46 + 8 D* --> 108Cd48 + 13C6 + 102.800 MeV [4.046 MeV] (A_Pd:733)
105Pd46 + 8 D* --> 112Sn50 + 9Be4 + 93.987 MeV [-4.768 MeV] (A_Pd:734)

105Pd46 + 9 D* --> 64Ni28 + 59Co27 + 159.136 MeV [46.558 MeV] (A_Pd:735)
105Pd46 + 9 D* --> 65Cu29 + 58Fe26 + 159.226 MeV [46.648 MeV] (A_Pd:736)
105Pd46 + 9 D* --> 68Zn30 + 55Mn25 + 157.526 MeV [44.948 MeV] (A_Pd:737)
105Pd46 + 9 D* --> 69Ga31 + 54Cr24 + 156.069 MeV [43.491 MeV] (A_Pd:738)
105Pd46 + 9 D* --> 71Ga31 + 52Cr24 + 155.366 MeV [42.788 MeV] (A_Pd:739)
105Pd46 + 9 D* --> 72Ge32 + 51V23 + 154.596 MeV [42.018 MeV] (A_Pd:740)
105Pd46 + 9 D* --> 73Ge32 + 50V23 + 150.328 MeV [37.750 MeV] (A_Pd:741)
105Pd46 + 9 D* --> 75As33 + 48Ti22 + 151.329 MeV [38.751 MeV] (A_Pd:742)
105Pd46 + 9 D* --> 78Se34 + 45Sc21 + 147.903 MeV [35.325 MeV] (A_Pd:743)
105Pd46 + 9 D* --> 79Br35 + 44Ca20 + 147.346 MeV [34.768 MeV] (A_Pd:744)
105Pd46 + 9 D* --> 81Br35 + 42Ca20 + 146.331 MeV [33.753 MeV] (A_Pd:745)
105Pd46 + 9 D* --> 82Kr36 + 41K19 + 145.957 MeV [33.379 MeV] (A_Pd:746)
105Pd46 + 9 D* --> 83Kr36 + 40K19 + 143.326 MeV [30.748 MeV] (A_Pd:747)
105Pd46 + 9 D* --> 84Kr36 + 39K19 + 146.047 MeV [33.469 MeV] (A_Pd:748)
105Pd46 + 9 D* --> 85Rb37 + 38Ar18 + 146.691 MeV [34.113 MeV] (A_Pd:749)
105Pd46 + 9 D* --> 87Rb37 + 36Ar18 + 144.638 MeV [32.060 MeV] (A_Pd:750)
105Pd46 + 9 D* --> 86Sr38 + 37Cl17 + 146.094 MeV [33.516 MeV] (A_Pd:751)
105Pd46 + 9 D* --> 88Sr38 + 35Cl17 + 146.744 MeV [34.166 MeV] (A_Pd:752)
105Pd46 + 9 D* --> 89Y39 + 34S16 + 147.442 MeV [34.864 MeV] (A_Pd:753)
105Pd46 + 9 D* --> 92Zr40 + 31P15 + 142.703 MeV [30.125 MeV] (A_Pd:754)
105Pd46 + 9 D* --> 93Nb41 + 30Si14 + 141.450 MeV [28.872 MeV] (A_Pd:755)
105Pd46 + 9 D* --> 96Mo42 + 27Al13 + 135.796 MeV [23.218 MeV] (A_Pd:756)
105Pd46 + 9 D* --> 100Ru44 + 23Na11 + 128.558 MeV [15.979 MeV] (A_Pd:757)
105Pd46 + 9 D* --> 103Rh45 + 20Ne10 + 124.873 MeV [12.295 MeV] (A_Pd:758)
105Pd46 + 9 D* --> 104Pd46 + 19F9 + 120.686 MeV [8.108 MeV] (A_Pd:759)
105Pd46 + 9 D* --> 107Ag47 + 16O8 + 122.947 MeV [10.369 MeV] (A_Pd:760)
105Pd46 + 9 D* --> 108Cd48 + 15N7 + 118.960 MeV [6.382 MeV] (A_Pd:761)
105Pd46 + 9 D* --> 112Sn50 + 11B5 + 109.802 MeV [-2.776 MeV] (A_Pd:762)

105Pd46 + 10 D* --> 64Ni28 + 61Ni28 + 174.265 MeV [47.545 MeV] (A_Pd:763)
105Pd46 + 10 D* --> 67Zn30 + 58Fe26 + 172.978 MeV [46.258 MeV] (A_Pd:764)
105Pd46 + 10 D* --> 68Zn30 + 57Fe26 + 173.132 MeV [46.412 MeV] (A_Pd:765)
105Pd46 + 10 D* --> 72Ge32 + 53Cr24 + 170.815 MeV [44.095 MeV] (A_Pd:766)
105Pd46 + 10 D* --> 73Ge32 + 52Cr24 + 169.659 MeV [42.939 MeV] (A_Pd:767)
105Pd46 + 10 D* --> 75As33 + 50V23 + 165.198 MeV [38.478 MeV] (A_Pd:768)
105Pd46 + 10 D* --> 76Se34 + 49Ti22 + 166.755 MeV [40.035 MeV] (A_Pd:769)
105Pd46 + 10 D* --> 77Se34 + 48Ti22 + 166.032 MeV [39.312 MeV] (A_Pd:770)

105Pd46 + 10 D* --> 78Se34 + 47Ti22 + 164.903 MeV [38.183 MeV] (A_Pd:771)
105Pd46 + 10 D* --> 82Kr36 + 43Ca20 + 161.943 MeV [35.223 MeV] (A_Pd:772)
105Pd46 + 10 D* --> 83Kr36 + 42Ca20 + 161.473 MeV [34.753 MeV] (A_Pd:773)
105Pd46 + 10 D* --> 85Rb37 + 40K19 + 158.647 MeV [31.927 MeV] (A_Pd:774)
105Pd46 + 10 D* --> 87Sr38 + 38Ar18 + 162.539 MeV [35.819 MeV] (A_Pd:775)
105Pd46 + 10 D* --> 91Zr40 + 34S16 + 160.767 MeV [34.047 MeV] (A_Pd:776)
105Pd46 + 10 D* --> 92Zr40 + 33S16 + 157.984 MeV [31.264 MeV] (A_Pd:777)
105Pd46 + 10 D* --> 95Mo42 + 30Si14 + 155.085 MeV [28.365 MeV] (A_Pd:778)
105Pd46 + 10 D* --> 96Mo42 + 29Si14 + 153.630 MeV [26.910 MeV] (A_Pd:779)
105Pd46 + 10 D* --> 97Mo42 + 28Si14 + 151.978 MeV [25.258 MeV] (A_Pd:780)
105Pd46 + 10 D* --> 99Ru44 + 26Mg12 + 146.776 MeV [20.056 MeV] (A_Pd:781)
105Pd46 + 10 D* --> 100Ru44 + 25Mg12 + 145.356 MeV [18.636 MeV] (A_Pd:782)
105Pd46 + 10 D* --> 101Ru44 + 24Mg12 + 144.828 MeV [18.108 MeV] (A_Pd:783)
105Pd46 + 10 D* --> 104Pd46 + 21Ne10 + 138.066 MeV [11.346 MeV] (A_Pd:784)
105Pd46 + 10 D* --> 105Pd46 + 20Ne10 + 138.399 MeV [11.679 MeV] (A_Pd:785)
105Pd46 + 10 D* --> 108Cd48 + 17O8 + 133.006 MeV [6.286 MeV] (A_Pd:786)
105Pd46 + 10 D* --> 112Sn50 + 13C6 + 128.481 MeV [1.761 MeV] (A_Pd:787)

105Pd46 + 11 D* --> 64Ni28 + 63Cu29 + 188.759 MeV [47.581 MeV] (A_Pd:788)
105Pd46 + 11 D* --> 65Cu29 + 62Ni28 + 190.090 MeV [48.912 MeV] (A_Pd:789)
105Pd46 + 11 D* --> 68Zn30 + 59Co27 + 188.316 MeV [47.138 MeV] (A_Pd:790)
105Pd46 + 11 D* --> 69Ga31 + 58Fe26 + 187.561 MeV [46.384 MeV] (A_Pd:791)
105Pd46 + 11 D* --> 71Ga31 + 56Fe26 + 186.826 MeV [45.648 MeV] (A_Pd:792)
105Pd46 + 11 D* --> 72Ge32 + 55Mn25 + 186.377 MeV [45.199 MeV] (A_Pd:793)
105Pd46 + 11 D* --> 75As33 + 52Cr24 + 184.529 MeV [43.352 MeV] (A_Pd:794)
105Pd46 + 11 D* --> 76Se34 + 51V23 + 183.534 MeV [42.356 MeV] (A_Pd:795)
105Pd46 + 11 D* --> 77Se34 + 50V23 + 179.901 MeV [38.724 MeV] (A_Pd:796)
105Pd46 + 11 D* --> 79Br35 + 48Ti22 + 180.636 MeV [39.459 MeV] (A_Pd:797)
105Pd46 + 11 D* --> 81Br35 + 46Ti22 + 178.178 MeV [37.001 MeV] (A_Pd:798)
105Pd46 + 11 D* --> 82Kr36 + 45Sc21 + 177.737 MeV [36.560 MeV] (A_Pd:799)
105Pd46 + 11 D* --> 85Rb37 + 42Ca20 + 176.795 MeV [35.617 MeV] (A_Pd:800)
105Pd46 + 11 D* --> 87Rb37 + 40Ca20 + 175.524 MeV [34.347 MeV] (A_Pd:801)
105Pd46 + 11 D* --> 86Sr38 + 41K19 + 176.163 MeV [34.985 MeV] (A_Pd:802)
105Pd46 + 11 D* --> 87Sr38 + 40K19 + 174.496 MeV [33.318 MeV] (A_Pd:803)
105Pd46 + 11 D* --> 88Sr38 + 39K19 + 177.809 MeV [36.631 MeV] (A_Pd:804)
105Pd46 + 11 D* --> 89Y39 + 38Ar18 + 178.496 MeV [37.319 MeV] (A_Pd:805)
105Pd46 + 11 D* --> 90Zr40 + 37Cl17 + 176.609 MeV [35.431 MeV] (A_Pd:806)
105Pd46 + 11 D* --> 92Zr40 + 35Cl17 + 173.548 MeV [32.370 MeV] (A_Pd:807)
105Pd46 + 11 D* --> 93Nb41 + 34S16 + 173.220 MeV [32.043 MeV] (A_Pd:808)
105Pd46 + 11 D* --> 96Mo42 + 31P15 + 169.311 MeV [28.134 MeV] (A_Pd:809)
105Pd46 + 11 D* --> 100Ru44 + 27Al13 + 162.496 MeV [21.318 MeV] (A_Pd:810)
105Pd46 + 11 D* --> 103Rh45 + 24Mg12 + 158.036 MeV [16.858 MeV] (A_Pd:811)
105Pd46 + 11 D* --> 104Pd46 + 23Na11 + 155.000 MeV [13.823 MeV] (A_Pd:812)
105Pd46 + 11 D* --> 107Ag47 + 20Ne10 + 151.524 MeV [10.346 MeV] (A_Pd:813)
105Pd46 + 11 D* --> 108Cd48 + 19F9 + 146.820 MeV [5.642 MeV] (A_Pd:814)
105Pd46 + 11 D* --> 112Sn50 + 15N7 + 144.640 MeV [3.463 MeV] (A_Pd:815)

105Pd46 + 12 D* --> 67Zn30 + 62Ni28 + 203.842 MeV [47.895 MeV] (A_Pd:816)
105Pd46 + 12 D* --> 68Zn30 + 61Ni28 + 203.444 MeV [47.496 MeV] (A_Pd:817)
105Pd46 + 12 D* --> 72Ge32 + 57Fe26 + 201.982 MeV [46.034 MeV] (A_Pd:818)
105Pd46 + 12 D* --> 73Ge32 + 56Fe26 + 201.119 MeV [45.171 MeV] (A_Pd:819)
105Pd46 + 12 D* --> 76Se34 + 53Cr24 + 199.753 MeV [43.805 MeV] (A_Pd:820)
105Pd46 + 12 D* --> 77Se34 + 52Cr24 + 199.232 MeV [43.285 MeV] (A_Pd:821)
105Pd46 + 12 D* --> 79Br35 + 50V23 + 194.506 MeV [38.558 MeV] (A_Pd:822)

105Pd46 + 12 D* --> 80Kr36 + 49Ti22 + 195.667 MeV [39.720 MeV] (A_Pd:823)
105Pd46 + 12 D* --> 82Kr36 + 47Ti22 + 194.738 MeV [38.790 MeV] (A_Pd:824)
105Pd46 + 12 D* --> 83Kr36 + 46Ti22 + 193.321 MeV [37.373 MeV] (A_Pd:825)
105Pd46 + 12 D* --> 86Sr38 + 43Ca20 + 192.148 MeV [36.200 MeV] (A_Pd:826)
105Pd46 + 12 D* --> 87Sr38 + 42Ca20 + 192.643 MeV [36.696 MeV] (A_Pd:827)
105Pd46 + 12 D* --> 89Y39 + 40K19 + 190.453 MeV [34.505 MeV] (A_Pd:828)
105Pd46 + 12 D* --> 91Zr40 + 38Ar18 + 191.821 MeV [35.873 MeV] (A_Pd:829)
105Pd46 + 12 D* --> 95Mo42 + 34S16 + 186.855 MeV [30.908 MeV] (A_Pd:830)
105Pd46 + 12 D* --> 96Mo42 + 33S16 + 184.592 MeV [28.645 MeV] (A_Pd:831)
105Pd46 + 12 D* --> 97Mo42 + 32S16 + 182.772 MeV [26.824 MeV] (A_Pd:832)
105Pd46 + 12 D* --> 99Ru44 + 30Si14 + 181.266 MeV [25.318 MeV] (A_Pd:833)
105Pd46 + 12 D* --> 100Ru44 + 29Si14 + 180.330 MeV [24.382 MeV] (A_Pd:834)
105Pd46 + 12 D* --> 101Ru44 + 28Si14 + 178.658 MeV [22.711 MeV] (A_Pd:835)
105Pd46 + 12 D* --> 104Pd46 + 25Mg12 + 171.799 MeV [15.851 MeV] (A_Pd:836)
105Pd46 + 12 D* --> 105Pd46 + 24Mg12 + 171.562 MeV [15.615 MeV] (A_Pd:837)
105Pd46 + 12 D* --> 108Cd48 + 21Ne10 + 164.200 MeV [8.252 MeV] (A_Pd:838)
105Pd46 + 12 D* --> 112Sn50 + 17O8 + 158.686 MeV [2.738 MeV] (A_Pd:839)

106Pd46 + D* --> 87Rb37 + 21Ne10 + 13.563 MeV [2.435 MeV] (A_Pd:840)
106Pd46 + D* --> 94Zr40 + 14N7 + 7.637 MeV [-3.491 MeV] (A_Pd:841)
106Pd46 + D* --> 97Mo42 + 11B5 + 2.106 MeV [-9.022 MeV] (A_Pd:842)

106Pd46 + 2 D* --> 62Ni28 + 48Ca20 + 47.329 MeV [24.729 MeV] (A_Pd:843)
106Pd46 + 2 D* --> 64Ni28 + 46Ca20 + 46.603 MeV [24.003 MeV] (A_Pd:844)
106Pd46 + 2 D* --> 70Zn30 + 40Ar18 + 40.974 MeV [18.373 MeV] (A_Pd:845)
106Pd46 + 2 D* --> 74Ge32 + 36S16 + 40.455 MeV [17.855 MeV] (A_Pd:846)
106Pd46 + 2 D* --> 76Ge32 + 34S16 + 39.514 MeV [16.913 MeV] (A_Pd:847)
106Pd46 + 2 D* --> 80Se34 + 30Si14 + 38.562 MeV [15.961 MeV] (A_Pd:848)
106Pd46 + 2 D* --> 82Se34 + 28Si14 + 35.456 MeV [12.855 MeV] (A_Pd:849)
106Pd46 + 2 D* --> 84Kr36 + 26Mg12 + 35.015 MeV [12.414 MeV] (A_Pd:850)
106Pd46 + 2 D* --> 86Kr36 + 24Mg12 + 33.568 MeV [10.968 MeV] (A_Pd:851)
106Pd46 + 2 D* --> 87Rb37 + 23Na11 + 30.497 MeV [7.896 MeV] (A_Pd:852)
106Pd46 + 2 D* --> 88Sr38 + 22Ne10 + 32.315 MeV [9.715 MeV] (A_Pd:853)
106Pd46 + 2 D* --> 92Zr40 + 18O8 + 25.604 MeV [3.004 MeV] (A_Pd:854)
106Pd46 + 2 D* --> 94Zr40 + 16O8 + 28.373 MeV [5.772 MeV] (A_Pd:855)
106Pd46 + 2 D* --> 97Mo42 + 13C6 + 20.784 MeV [-1.816 MeV] (A_Pd:856)
106Pd46 + 2 D* --> 98Mo42 + 12C6 + 24.481 MeV [1.880 MeV] (A_Pd:857)
106Pd46 + 2 D* --> 101Ru44 + 9Be4 + 12.971 MeV [-9.629 MeV] (A_Pd:858)
106Pd46 + 2 D* --> 103Rh45 + 7Li3 + 9.483 MeV [-13.117 MeV] (A_Pd:859)
106Pd46 + 2 D* --> 106Pd46 + 4He2 + 23.847 MeV [1.246 MeV] (A_Pd:860)
106Pd46 + 2 D* --> 109Ag47 + 1H1 + 17.803 MeV [-4.798 MeV] (A_Pd:861)
106Pd46 + 2 D* --> 110Cd48 + 26.722 MeV [4.122 MeV] (A_Pd:862)

106Pd46 + 3 D* --> 87Rb37 + 25Mg12 + 47.295 MeV [12.881 MeV] (A_Pd:863)
106Pd46 + 3 D* --> 97Mo42 + 15N7 + 36.944 MeV [2.529 MeV] (A_Pd:864)
106Pd46 + 3 D* --> 98Mo42 + 14N7 + 34.753 MeV [00.338 MeV] (A_Pd:865)
106Pd46 + 3 D* --> 101Ru44 + 11B5 + 28.786 MeV [-5.628 MeV] (A_Pd:866)
106Pd46 + 3 D* --> 102Ru44 + 10B5 + 26.552 MeV [-7.863 MeV] (A_Pd:867)
106Pd46 + 3 D* --> 103Rh45 + 9Be4 + 26.179 MeV [-8.235 MeV] (A_Pd:868)
106Pd46 + 3 D* --> 105Pd46 + 7Li3 + 23.009 MeV [-11.405 MeV] (A_Pd:869)
106Pd46 + 3 D* --> 106Pd46 + 6Li3 + 25.320 MeV [-9.094 MeV] (A_Pd:870)
106Pd46 + 3 D* --> 109Ag47 + 3He2 + 23.296 MeV [-11.118 MeV] (A_Pd:871)
106Pd46 + 3 D* --> 110Cd48 + 2H1 + 26.722 MeV [-7.693 MeV] (A_Pd:872)
106Pd46 + 3 D* --> 111Cd48 + 1H1 + 31.473 MeV [-2.941 MeV] (A_Pd:873)

106Pd46 + 4 D* --> 64Ni28 + 50Ti22 + 81.166 MeV [34.600 MeV] (A_Pd:874)
106Pd46 + 4 D* --> 66Zn30 + 48Ca20 + 75.754 MeV [29.187 MeV] (A_Pd:875)
106Pd46 + 4 D* --> 68Zn30 + 46Ca20 + 75.783 MeV [29.216 MeV] (A_Pd:876)
106Pd46 + 4 D* --> 70Zn30 + 44Ca20 + 73.674 MeV [27.107 MeV] (A_Pd:877)
106Pd46 + 4 D* --> 74Ge32 + 40Ar18 + 71.103 MeV [24.536 MeV] (A_Pd:878)
106Pd46 + 4 D* --> 76Ge32 + 38Ar18 + 70.568 MeV [24.002 MeV] (A_Pd:879)
106Pd46 + 4 D* --> 78Se34 + 36S16 + 70.331 MeV [23.764 MeV] (A_Pd:880)
106Pd46 + 4 D* --> 80Se34 + 34S16 + 70.332 MeV [23.766 MeV] (A_Pd:881)
106Pd46 + 4 D* --> 82Se34 + 32S16 + 66.250 MeV [19.684 MeV] (A_Pd:882)
106Pd46 + 4 D* --> 84Kr36 + 30Si14 + 69.504 MeV [22.938 MeV] (A_Pd:883)
106Pd46 + 4 D* --> 86Kr36 + 28Si14 + 67.399 MeV [20.832 MeV] (A_Pd:884)
106Pd46 + 4 D* --> 87Rb37 + 27Al13 + 64.435 MeV [17.868 MeV] (A_Pd:885)
106Pd46 + 4 D* --> 88Sr38 + 26Mg12 + 66.777 MeV [20.210 MeV] (A_Pd:886)
106Pd46 + 4 D* --> 92Zr40 + 22Ne10 + 59.119 MeV [12.553 MeV] (A_Pd:887)
106Pd46 + 4 D* --> 94Zr40 + 20Ne10 + 56.949 MeV [10.383 MeV] (A_Pd:888)
106Pd46 + 4 D* --> 96Mo42 + 18O8 + 52.212 MeV [5.646 MeV] (A_Pd:889)
106Pd46 + 4 D* --> 97Mo42 + 17O8 + 50.990 MeV [4.423 MeV] (A_Pd:890)
106Pd46 + 4 D* --> 98Mo42 + 16O8 + 55.489 MeV [8.923 MeV] (A_Pd:891)
106Pd46 + 4 D* --> 101Ru44 + 13C6 + 47.465 MeV [00.899 MeV] (A_Pd:892)
106Pd46 + 4 D* --> 102Ru44 + 12C6 + 51.738 MeV [5.172 MeV] (A_Pd:893)
106Pd46 + 4 D* --> 103Rh45 + 11B5 + 41.995 MeV [-4.572 MeV] (A_Pd:894)
106Pd46 + 4 D* --> 105Pd46 + 9Be4 + 39.706 MeV [-6.861 MeV] (A_Pd:895)
106Pd46 + 4 D* --> 107Ag47 + 7Li3 + 36.134 MeV [-10.432 MeV] (A_Pd:896)
106Pd46 + 4 D* --> 110Cd48 + 4He2 + 50.568 MeV [4.002 MeV] (A_Pd:897)
106Pd46 + 4 D* --> 111Cd48 + 3He2 + 36.967 MeV [-9.600 MeV] (A_Pd:898)
106Pd46 + 4 D* --> 113In49 + 1H1 + 44.721 MeV [-1.845 MeV] (A_Pd:899)
106Pd46 + 4 D* --> 114Sn50 + 53.201 MeV [6.635 MeV] (A_Pd:900)

106Pd46 + 5 D* --> 76Ge32 + 40K19 + 82.524 MeV [23.472 MeV] (A_Pd:901)
106Pd46 + 5 D* --> 87Rb37 + 29Si14 + 82.269 MeV [23.216 MeV] (A_Pd:902)
106Pd46 + 5 D* --> 97Mo42 + 19F9 + 64.804 MeV [5.751 MeV] (A_Pd:903)
106Pd46 + 5 D* --> 101Ru44 + 15N7 + 63.624 MeV [4.572 MeV] (A_Pd:904)
106Pd46 + 5 D* --> 102Ru44 + 14N7 + 62.011 MeV [2.958 MeV] (A_Pd:905)
106Pd46 + 5 D* --> 103Rh45 + 13C6 + 60.673 MeV [1.621 MeV] (A_Pd:906)
106Pd46 + 5 D* --> 105Pd46 + 11B5 + 55.521 MeV [-3.532 MeV] (A_Pd:907)
106Pd46 + 5 D* --> 106Pd46 + 10B5 + 53.628 MeV [-5.425 MeV] (A_Pd:908)
106Pd46 + 5 D* --> 107Ag47 + 9Be4 + 52.830 MeV [-6.222 MeV] (A_Pd:909)
106Pd46 + 5 D* --> 110Cd48 + 6Li3 + 52.042 MeV [-7.010 MeV] (A_Pd:910)
106Pd46 + 5 D* --> 113In49 + 3He2 + 50.215 MeV [-8.838 MeV] (A_Pd:911)
106Pd46 + 5 D* --> 114Sn50 + 2H1 + 53.201 MeV [-5.851 MeV] (A_Pd:912)
106Pd46 + 5 D* --> 115Sn50 + 1H1 + 58.523 MeV [-0.530 MeV] (A_Pd:913)

106Pd46 + 6 D* --> 64Ni28 + 54Cr24 + 112.944 MeV [41.074 MeV] (A_Pd:914)
106Pd46 + 6 D* --> 68Zn30 + 50Ti22 + 110.346 MeV [38.476 MeV] (A_Pd:915)
106Pd46 + 6 D* --> 70Zn30 + 48Ti22 + 106.964 MeV [35.094 MeV] (A_Pd:916)
106Pd46 + 6 D* --> 70Ge32 + 48Ca20 + 103.689 MeV [31.819 MeV] (A_Pd:917)
106Pd46 + 6 D* --> 72Ge32 + 46Ca20 + 104.633 MeV [32.763 MeV] (A_Pd:918)
106Pd46 + 6 D* --> 74Ge32 + 44Ca20 + 103.803 MeV [31.933 MeV] (A_Pd:919)
106Pd46 + 6 D* --> 76Ge32 + 42Ca20 + 100.672 MeV [28.802 MeV] (A_Pd:920)
106Pd46 + 6 D* --> 78Se34 + 40Ar18 + 100.978 MeV [29.108 MeV] (A_Pd:921)
106Pd46 + 6 D* --> 80Se34 + 38Ar18 + 101.386 MeV [29.517 MeV] (A_Pd:922)
106Pd46 + 6 D* --> 82Se34 + 36Ar18 + 96.737 MeV [24.868 MeV] (A_Pd:923)
106Pd46 + 6 D* --> 81Br35 + 37Cl17 + 98.648 MeV [26.778 MeV] (A_Pd:924)

106Pd46 + 6 D* --> 82Kr36 + 36S16 + 100.165 MeV [28.296 MeV] (A_Pd:925)
106Pd46 + 6 D* --> 84Kr36 + 34S16 + 101.275 MeV [29.405 MeV] (A_Pd:926)
106Pd46 + 6 D* --> 86Kr36 + 32S16 + 98.193 MeV [26.323 MeV] (A_Pd:927)
106Pd46 + 6 D* --> 87Rb37 + 31P15 + 97.951 MeV [26.081 MeV] (A_Pd:928)
106Pd46 + 6 D* --> 88Sr38 + 30Si14 + 101.267 MeV [29.397 MeV] (A_Pd:929)
106Pd46 + 6 D* --> 92Zr40 + 26Mg12 + 93.580 MeV [21.710 MeV] (A_Pd:930)
106Pd46 + 6 D* --> 94Zr40 + 24Mg12 + 90.112 MeV [18.242 MeV] (A_Pd:931)
106Pd46 + 6 D* --> 96Mo42 + 22Ne10 + 85.727 MeV [13.857 MeV] (A_Pd:932)
106Pd46 + 6 D* --> 97Mo42 + 21Ne10 + 82.184 MeV [10.314 MeV] (A_Pd:933)
106Pd46 + 6 D* --> 98Mo42 + 20Ne10 + 84.066 MeV [12.196 MeV] (A_Pd:934)
106Pd46 + 6 D* --> 100Ru44 + 18O8 + 78.912 MeV [7.043 MeV] (A_Pd:935)
106Pd46 + 6 D* --> 101Ru44 + 17O8 + 77.670 MeV [5.801 MeV] (A_Pd:936)
106Pd46 + 6 D* --> 102Ru44 + 16O8 + 82.747 MeV [10.877 MeV] (A_Pd:937)
106Pd46 + 6 D* --> 103Rh45 + 15N7 + 76.833 MeV [4.963 MeV] (A_Pd:938)
106Pd46 + 6 D* --> 105Pd46 + 13C6 + 74.200 MeV [2.330 MeV] (A_Pd:939)
106Pd46 + 6 D* --> 106Pd46 + 12C6 + 78.814 MeV [6.945 MeV] (A_Pd:940)
106Pd46 + 6 D* --> 107Ag47 + 11B5 + 68.646 MeV [-3.224 MeV] (A_Pd:941)
106Pd46 + 6 D* --> 114Sn50 + 4He2 + 77.048 MeV [5.178 MeV] (A_Pd:942)
106Pd46 + 6 D* --> 115Sn50 + 3He2 + 64.017 MeV [-7.853 MeV] (A_Pd:943)

106Pd46 + 7 D* --> 70Zn30 + 50V23 + 120.834 MeV [35.819 MeV] (A_Pd:944)
106Pd46 + 7 D* --> 71Ga31 + 49Ti22 + 120.747 MeV [35.732 MeV] (A_Pd:945)
106Pd46 + 7 D* --> 80Se34 + 40K19 + 113.343 MeV [28.328 MeV] (A_Pd:946)
106Pd46 + 7 D* --> 83Kr36 + 37Cl17 + 113.791 MeV [28.776 MeV] (A_Pd:947)
106Pd46 + 7 D* --> 87Rb37 + 33S16 + 113.231 MeV [28.217 MeV] (A_Pd:948)
106Pd46 + 7 D* --> 97Mo42 + 23Na11 + 99.118 MeV [14.103 MeV] (A_Pd:949)
106Pd46 + 7 D* --> 101Ru44 + 19F9 + 91.485 MeV [6.470 MeV] (A_Pd:950)
106Pd46 + 7 D* --> 103Rh45 + 17O8 + 90.879 MeV [5.864 MeV] (A_Pd:951)
106Pd46 + 7 D* --> 105Pd46 + 15N7 + 90.359 MeV [5.344 MeV] (A_Pd:952)
106Pd46 + 7 D* --> 106Pd46 + 14N7 + 89.087 MeV [4.072 MeV] (A_Pd:953)
106Pd46 + 7 D* --> 107Ag47 + 13C6 + 87.324 MeV [2.310 MeV] (A_Pd:954)
106Pd46 + 7 D* --> 110Cd48 + 10B5 + 80.350 MeV [-4.665 MeV] (A_Pd:955)
106Pd46 + 7 D* --> 114Sn50 + 6Li3 + 78.522 MeV [-6.493 MeV] (A_Pd:956)

106Pd46 + 8 D* --> 64Ni28 + 58Fe26 + 144.436 MeV [45.952 MeV] (A_Pd:957)
106Pd46 + 8 D* --> 68Zn30 + 54Cr24 + 142.123 MeV [43.639 MeV] (A_Pd:958)
106Pd46 + 8 D* --> 70Zn30 + 52Cr24 + 140.165 MeV [41.681 MeV] (A_Pd:959)
106Pd46 + 8 D* --> 71Ga31 + 51V23 + 137.525 MeV [39.041 MeV] (A_Pd:960)
106Pd46 + 8 D* --> 72Ge32 + 50Ti22 + 139.196 MeV [40.712 MeV] (A_Pd:961)
106Pd46 + 8 D* --> 73Ge32 + 49Ti22 + 135.040 MeV [36.556 MeV] (A_Pd:962)
106Pd46 + 8 D* --> 74Ge32 + 48Ti22 + 137.093 MeV [38.610 MeV] (A_Pd:963)
106Pd46 + 8 D* --> 76Ge32 + 46Ti22 + 132.520 MeV [34.036 MeV] (A_Pd:964)
106Pd46 + 8 D* --> 74Se34 + 48Ca20 + 131.610 MeV [33.126 MeV] (A_Pd:965)
106Pd46 + 8 D* --> 76Se34 + 46Ca20 + 133.570 MeV [35.087 MeV] (A_Pd:966)
106Pd46 + 8 D* --> 78Se34 + 44Ca20 + 133.678 MeV [35.194 MeV] (A_Pd:967)
106Pd46 + 8 D* --> 80Se34 + 42Ca20 + 131.490 MeV [33.006 MeV] (A_Pd:968)
106Pd46 + 8 D* --> 82Se34 + 40Ca20 + 127.624 MeV [29.140 MeV] (A_Pd:969)
106Pd46 + 8 D* --> 81Br35 + 41K19 + 128.717 MeV [30.233 MeV] (A_Pd:970)
106Pd46 + 8 D* --> 82Kr36 + 40Ar18 + 130.813 MeV [32.329 MeV] (A_Pd:971)
106Pd46 + 8 D* --> 84Kr36 + 38Ar18 + 132.329 MeV [33.845 MeV] (A_Pd:972)
106Pd46 + 8 D* --> 86Kr36 + 36Ar18 + 128.680 MeV [30.197 MeV] (A_Pd:973)
106Pd46 + 8 D* --> 85Rb37 + 37Cl17 + 129.112 MeV [30.628 MeV] (A_Pd:974)
106Pd46 + 8 D* --> 87Rb37 + 35Cl17 + 128.795 MeV [30.311 MeV] (A_Pd:975)
106Pd46 + 8 D* --> 86Sr38 + 36S16 + 130.371 MeV [31.887 MeV] (A_Pd:976)

106Pd46 + 8 D* --> 88Sr38 + 34S16 + 133.037 MeV [34.553 MeV] (A_Pd:977)
106Pd46 + 8 D* --> 92Zr40 + 30Si14 + 128.070 MeV [29.586 MeV] (A_Pd:978)
106Pd46 + 8 D* --> 94Zr40 + 28Si14 + 123.943 MeV [25.459 MeV] (A_Pd:979)
106Pd46 + 8 D* --> 96Mo42 + 26Mg12 + 120.188 MeV [21.705 MeV] (A_Pd:980)
106Pd46 + 8 D* --> 97Mo42 + 25Mg12 + 115.917 MeV [17.433 MeV] (A_Pd:981)
106Pd46 + 8 D* --> 98Mo42 + 24Mg12 + 117.229 MeV [18.745 MeV] (A_Pd:982)
106Pd46 + 8 D* --> 100Ru44 + 22Ne10 + 112.427 MeV [13.943 MeV] (A_Pd:983)
106Pd46 + 8 D* --> 101Ru44 + 21Ne10 + 108.865 MeV [10.381 MeV] (A_Pd:984)
106Pd46 + 8 D* --> 102Ru44 + 20Ne10 + 111.323 MeV [12.839 MeV] (A_Pd:985)
106Pd46 + 8 D* --> 103Rh45 + 19F9 + 104.693 MeV [6.209 MeV] (A_Pd:986)
106Pd46 + 8 D* --> 104Pd46 + 18O8 + 105.355 MeV [6.871 MeV] (A_Pd:987)
106Pd46 + 8 D* --> 105Pd46 + 17O8 + 104.405 MeV [5.921 MeV] (A_Pd:988)
106Pd46 + 8 D* --> 106Pd46 + 16O8 + 109.823 MeV [11.339 MeV] (A_Pd:989)
106Pd46 + 8 D* --> 107Ag47 + 15N7 + 103.484 MeV [5.000 MeV] (A_Pd:990)
106Pd46 + 8 D* --> 110Cd48 + 12C6 + 105.536 MeV [7.052 MeV] (A_Pd:991)

106Pd46 + 9 D* --> 71Ga31 + 53Cr24 + 153.744 MeV [41.469 MeV] (A_Pd:992)
106Pd46 + 9 D* --> 73Ge32 + 51V23 + 151.818 MeV [39.543 MeV] (A_Pd:993)
106Pd46 + 9 D* --> 74Ge32 + 50V23 + 150.963 MeV [38.688 MeV] (A_Pd:994)
106Pd46 + 9 D* --> 75As33 + 49Ti22 + 149.910 MeV [37.636 MeV] (A_Pd:995)
106Pd46 + 9 D* --> 81Br35 + 43Ca20 + 144.702 MeV [32.428 MeV] (A_Pd:996)
106Pd46 + 9 D* --> 83Kr36 + 41K19 + 143.860 MeV [31.585 MeV] (A_Pd:997)
106Pd46 + 9 D* --> 84Kr36 + 40K19 + 144.285 MeV [32.011 MeV] (A_Pd:998)
106Pd46 + 9 D* --> 87Sr38 + 37Cl17 + 144.961 MeV [32.686 MeV] (A_Pd:999)
106Pd46 + 9 D* --> 97Mo42 + 27Al13 + 133.056 MeV [20.782 MeV]
(A_Pd:1000)
106Pd46 + 9 D* --> 101Ru44 + 23Na11 + 125.799 MeV [13.524 MeV]
(A_Pd:1001)
106Pd46 + 9 D* --> 103Rh45 + 21Ne10 + 122.073 MeV [9.798 MeV]
(A_Pd:1002)
106Pd46 + 9 D* --> 105Pd46 + 19F9 + 118.219 MeV [5.945 MeV]
(A_Pd:1003)
106Pd46 + 9 D* --> 107Ag47 + 17O8 + 117.530 MeV [5.255 MeV]
(A_Pd:1004)
106Pd46 + 9 D* --> 110Cd48 + 14N7 + 115.809 MeV [3.534 MeV]
(A_Pd:1005)
106Pd46 + 9 D* --> 114Sn50 + 10B5 + 106.829 MeV [-5.445 MeV]
(A_Pd:1006)

106Pd46 + 10 D* --> 64Ni28 + 62Ni28 + 175.300 MeV [48.916 MeV]
(A_Pd:1007)
106Pd46 + 10 D* --> 68Zn30 + 58Fe26 + 173.615 MeV [47.232 MeV]
(A_Pd:1008)
106Pd46 + 10 D* --> 70Zn30 + 56Fe26 + 171.625 MeV [45.241 MeV]
(A_Pd:1009)
106Pd46 + 10 D* --> 71Ga31 + 55Mn25 + 169.306 MeV [42.922 MeV]
(A_Pd:1010)
106Pd46 + 10 D* --> 72Ge32 + 54Cr24 + 170.973 MeV [44.589 MeV]
(A_Pd:1011)
106Pd46 + 10 D* --> 73Ge32 + 53Cr24 + 168.037 MeV [41.653 MeV]
(A_Pd:1012)
106Pd46 + 10 D* --> 74Ge32 + 52Cr24 + 170.294 MeV [43.910 MeV]
(A_Pd:1013)
106Pd46 + 10 D* --> 76Ge32 + 50Cr24 + 164.927 MeV [38.543 MeV]

(A_Pd:1014)
106Pd46 + 10 D* --> 75As33 + 51V23 + 166.689 MeV [40.305 MeV]
(A_Pd:1015)
106Pd46 + 10 D* --> 76Se34 + 50Ti22 + 168.133 MeV [41.750 MeV]
(A_Pd:1016)
106Pd46 + 10 D* --> 77Se34 + 49Ti22 + 164.613 MeV [38.229 MeV]
(A_Pd:1017)
106Pd46 + 10 D* --> 78Se34 + 48Ti22 + 166.969 MeV [40.585 MeV]
(A_Pd:1018)
106Pd46 + 10 D* --> 80Se34 + 46Ti22 + 163.338 MeV [36.954 MeV]
(A_Pd:1019)
106Pd46 + 10 D* --> 81Br35 + 45Sc21 + 160.497 MeV [34.114 MeV]
(A_Pd:1020)
106Pd46 + 10 D* --> 78Kr36 + 48Ca20 + 159.849 MeV [33.465 MeV]
(A_Pd:1021)
106Pd46 + 10 D* --> 80Kr36 + 46Ca20 + 162.482 MeV [36.098 MeV]
(A_Pd:1022)
106Pd46 + 10 D* --> 82Kr36 + 44Ca20 + 163.513 MeV [37.129 MeV]
(A_Pd:1023)
106Pd46 + 10 D* --> 83Kr36 + 43Ca20 + 159.845 MeV [33.461 MeV]
(A_Pd:1024)
106Pd46 + 10 D* --> 84Kr36 + 42Ca20 + 162.433 MeV [36.049 MeV]
(A_Pd:1025)
106Pd46 + 10 D* --> 86Kr36 + 40Ca20 + 159.567 MeV [33.183 MeV]
(A_Pd:1026)
106Pd46 + 10 D* --> 85Rb37 + 41K19 + 159.181 MeV [32.797 MeV]
(A_Pd:1027)
106Pd46 + 10 D* --> 87Rb37 + 39K19 + 159.860 MeV [33.476 MeV]
(A_Pd:1028)
106Pd46 + 10 D* --> 86Sr38 + 40Ar18 + 161.018 MeV [34.634 MeV]
(A_Pd:1029)
106Pd46 + 10 D* --> 88Sr38 + 38Ar18 + 164.091 MeV [37.707 MeV]
(A_Pd:1030)
106Pd46 + 10 D* --> 89Y39 + 37Cl17 + 160.918 MeV [34.534 MeV]
(A_Pd:1031)
106Pd46 + 10 D* --> 90Zr40 + 36S16 + 160.886 MeV [34.502 MeV]
(A_Pd:1032)
106Pd46 + 10 D* --> 92Zr40 + 34S16 + 159.840 MeV [33.457 MeV]
(A_Pd:1033)
106Pd46 + 10 D* --> 94Zr40 + 32S16 + 154.737 MeV [28.353 MeV]
(A_Pd:1034)
106Pd46 + 10 D* --> 96Mo42 + 30Si14 + 154.678 MeV [28.294 MeV]
(A_Pd:1035)
106Pd46 + 10 D* --> 97Mo42 + 29Si14 + 150.890 MeV [24.506 MeV]
(A_Pd:1036)
106Pd46 + 10 D* --> 98Mo42 + 28Si14 + 151.059 MeV [24.675 MeV]
(A_Pd:1037)
106Pd46 + 10 D* --> 100Ru44 + 26Mg12 + 146.888 MeV [20.504 MeV]
(A_Pd:1038)
106Pd46 + 10 D* --> 101Ru44 + 25Mg12 + 142.597 MeV [16.213 MeV]
(A_Pd:1039)
106Pd46 + 10 D* --> 102Ru44 + 24Mg12 + 144.486 MeV [18.102 MeV]
(A_Pd:1040)
106Pd46 + 10 D* --> 103Rh45 + 23Na11 + 139.007 MeV [12.623 MeV]

(A_Pd:1041)
106Pd46 + 10 D* --> 104Pd46 + 22Ne10 + 138.870 MeV [12.486 MeV]
(A_Pd:1042)
106Pd46 + 10 D* --> 105Pd46 + 21Ne10 + 135.599 MeV [9.215 MeV]
(A_Pd:1043)
106Pd46 + 10 D* --> 106Pd46 + 20Ne10 + 138.399 MeV [12.015 MeV]
(A_Pd:1044)
106Pd46 + 10 D* --> 107Ag47 + 19F9 + 131.344 MeV [4.960 MeV]
(A_Pd:1045)
106Pd46 + 10 D* --> 108Cd48 + 18O8 + 131.489 MeV [5.105 MeV]
(A_Pd:1046)
106Pd46 + 10 D* --> 110Cd48 + 16O8 + 136.545 MeV [10.161 MeV]
(A_Pd:1047)
106Pd46 + 10 D* --> 114Sn50 + 12C6 + 132.016 MeV [5.632 MeV]
(A_Pd:1048)

106Pd46 + 11 D* --> 71Ga31 + 57Fe26 + 184.911 MeV [44.102 MeV]
(A_Pd:1049)
106Pd46 + 11 D* --> 73Ge32 + 55Mn25 + 183.599 MeV [42.790 MeV]
(A_Pd:1050)
106Pd46 + 11 D* --> 75As33 + 53Cr24 + 182.908 MeV [42.099 MeV]
(A_Pd:1051)
106Pd46 + 11 D* --> 77Se34 + 51V23 + 181.391 MeV [40.583 MeV]
(A_Pd:1052)
106Pd46 + 11 D* --> 78Se34 + 50V23 + 180.838 MeV [40.029 MeV]
(A_Pd:1053)
106Pd46 + 11 D* --> 79Br35 + 49Ti22 + 179.218 MeV [38.409 MeV]
(A_Pd:1054)
106Pd46 + 11 D* --> 81Br35 + 47Ti22 + 177.498 MeV [36.689 MeV]
(A_Pd:1055)
106Pd46 + 11 D* --> 83Kr36 + 45Sc21 + 175.640 MeV [34.831 MeV]
(A_Pd:1056)
106Pd46 + 11 D* --> 85Rb37 + 43Ca20 + 175.166 MeV [34.358 MeV]
(A_Pd:1057)
106Pd46 + 11 D* --> 87Sr38 + 41K19 + 175.030 MeV [34.221 MeV]
(A_Pd:1058)
106Pd46 + 11 D* --> 88Sr38 + 40K19 + 176.047 MeV [35.239 MeV]
(A_Pd:1059)
106Pd46 + 11 D* --> 91Zr40 + 37Cl17 + 174.242 MeV [33.434 MeV]
(A_Pd:1060)
106Pd46 + 11 D* --> 97Mo42 + 31P15 + 166.572 MeV [25.763 MeV]
(A_Pd:1061)
106Pd46 + 11 D* --> 101Ru44 + 27Al13 + 159.737 MeV [18.928 MeV]
(A_Pd:1062)
106Pd46 + 11 D* --> 103Rh45 + 25Mg12 + 155.805 MeV [14.997 MeV]
(A_Pd:1063)
106Pd46 + 11 D* --> 105Pd46 + 23Na11 + 152.533 MeV [11.724 MeV]
(A_Pd:1064)
106Pd46 + 11 D* --> 107Ag47 + 21Ne10 + 148.724 MeV [7.915 MeV]
(A_Pd:1065)
106Pd46 + 11 D* --> 114Sn50 + 14N7 + 142.288 MeV [1.479 MeV]
(A_Pd:1066)

106Pd46 + 12 D* --> 65Cu29 + 65Cu29 + 202.254 MeV [46.707 MeV]

(A_Pd:1067)
106Pd46 + 12 D* --> 66Zn30 + 64Ni28 + 203.725 MeV [48.178 MeV]
(A_Pd:1068)
106Pd46 + 12 D* --> 68Zn30 + 62Ni28 + 204.480 MeV [48.933 MeV]
(A_Pd:1069)
106Pd46 + 12 D* --> 70Zn30 + 60Ni28 + 201.763 MeV [46.216 MeV]
(A_Pd:1070)
106Pd46 + 12 D* --> 71Ga31 + 59Co27 + 200.095 MeV [44.548 MeV]
(A_Pd:1071)
106Pd46 + 12 D* --> 72Ge32 + 58Fe26 + 202.466 MeV [46.919 MeV]
(A_Pd:1072)
106Pd46 + 12 D* --> 73Ge32 + 57Fe26 + 199.204 MeV [43.657 MeV]
(A_Pd:1073)
106Pd46 + 12 D* --> 74Ge32 + 56Fe26 + 201.754 MeV [46.207 MeV]
(A_Pd:1074)
106Pd46 + 12 D* --> 76Ge32 + 54Fe26 + 197.192 MeV [41.645 MeV]
(A_Pd:1075)
106Pd46 + 12 D* --> 75As33 + 55Mn25 + 198.469 MeV [42.922 MeV]
(A_Pd:1076)
106Pd46 + 12 D* --> 76Se34 + 54Cr24 + 199.911 MeV [44.364 MeV]
(A_Pd:1077)
106Pd46 + 12 D* --> 77Se34 + 53Cr24 + 197.611 MeV [42.064 MeV]
(A_Pd:1078)
106Pd46 + 12 D* --> 78Se34 + 52Cr24 + 200.169 MeV [44.623 MeV]
(A_Pd:1079)
106Pd46 + 12 D* --> 80Se34 + 50Cr24 + 195.746 MeV [40.199 MeV]
(A_Pd:1080)
106Pd46 + 12 D* --> 79Br35 + 51V23 + 195.996 MeV [40.449 MeV]
(A_Pd:1081)
106Pd46 + 12 D* --> 80Kr36 + 50Ti22 + 197.045 MeV [41.499 MeV]
(A_Pd:1082)
106Pd46 + 12 D* --> 82Kr36 + 48Ti22 + 196.803 MeV [41.257 MeV]
(A_Pd:1083)
106Pd46 + 12 D* --> 83Kr36 + 47Ti22 + 192.640 MeV [37.094 MeV]
(A_Pd:1084)
106Pd46 + 12 D* --> 84Kr36 + 46Ti22 + 194.281 MeV [38.734 MeV]
(A_Pd:1085)
106Pd46 + 12 D* --> 85Rb37 + 45Sc21 + 190.961 MeV [35.415 MeV]
(A_Pd:1086)
106Pd46 + 12 D* --> 84Sr38 + 46Ca20 + 191.505 MeV [35.958 MeV]
(A_Pd:1087)
106Pd46 + 12 D* --> 86Sr38 + 44Ca20 + 193.718 MeV [38.172 MeV]
(A_Pd:1088)
106Pd46 + 12 D* --> 87Sr38 + 43Ca20 + 191.015 MeV [35.469 MeV]
(A_Pd:1089)
106Pd46 + 12 D* --> 88Sr38 + 42Ca20 + 194.195 MeV [38.648 MeV]
(A_Pd:1090)
106Pd46 + 12 D* --> 89Y39 + 41K19 + 190.987 MeV [35.440 MeV]
(A_Pd:1091)
106Pd46 + 12 D* --> 90Zr40 + 40Ar18 + 191.533 MeV [35.987 MeV]
(A_Pd:1092)
106Pd46 + 12 D* --> 92Zr40 + 38Ar18 + 190.895 MeV [35.348 MeV]
(A_Pd:1093)
106Pd46 + 12 D* --> 94Zr40 + 36Ar18 + 185.225 MeV [29.678 MeV]

(A_Pd:1094)
106Pd46 + 12 D* --> 93Nb41 + 37Cl17 + 186.696 MeV [31.149 MeV]
(A_Pd:1095)
106Pd46 + 12 D* --> 94Mo42 + 36S16 + 186.800 MeV [31.253 MeV]
(A_Pd:1096)
106Pd46 + 12 D* --> 96Mo42 + 34S16 + 186.448 MeV [30.902 MeV]
(A_Pd:1097)
106Pd46 + 12 D* --> 97Mo42 + 33S16 + 181.853 MeV [26.306 MeV]
(A_Pd:1098)
106Pd46 + 12 D* --> 98Mo42 + 32S16 + 181.854 MeV [26.307 MeV]
(A_Pd:1099)
106Pd46 + 12 D* --> 100Ru44 + 30Si14 + 181.378 MeV [25.831 MeV]
(A_Pd:1100)
106Pd46 + 12 D* --> 101Ru44 + 29Si14 + 177.571 MeV [22.024 MeV]
(A_Pd:1101)
106Pd46 + 12 D* --> 102Ru44 + 28Si14 + 178.317 MeV [22.770 MeV]
(A_Pd:1102)
106Pd46 + 12 D* --> 103Rh45 + 27Al13 + 172.945 MeV [17.398 MeV]
(A_Pd:1103)
106Pd46 + 12 D* --> 104Pd46 + 26Mg12 + 173.331 MeV [17.784 MeV]
(A_Pd:1104)
106Pd46 + 12 D* --> 105Pd46 + 25Mg12 + 169.332 MeV [13.785 MeV]
(A_Pd:1105)
106Pd46 + 12 D* --> 106Pd46 + 24Mg12 + 171.562 MeV [16.016 MeV]
(A_Pd:1106)
106Pd46 + 12 D* --> 107Ag47 + 23Na11 + 165.658 MeV [10.111 MeV]
(A_Pd:1107)
106Pd46 + 12 D* --> 108Cd48 + 22Ne10 + 165.003 MeV [9.457 MeV]
(A_Pd:1108)
106Pd46 + 12 D* --> 110Cd48 + 20Ne10 + 165.121 MeV [9.574 MeV]
(A_Pd:1109)
106Pd46 + 12 D* --> 112Sn50 + 18O8 + 157.169 MeV [1.622 MeV]
(A_Pd:1110)
106Pd46 + 12 D* --> 114Sn50 + 16O8 + 163.024 MeV [7.477 MeV]
(A_Pd:1111)

108Pd46 + D* --> 96Zr40 + 14N7 + 6.191 MeV [-4.869 MeV]
(A_Pd:1112)

108Pd46 + 2 D* --> 64Ni28 + 48Ca20 + 48.061 MeV [25.595 MeV]
(A_Pd:1113)
108Pd46 + 2 D* --> 76Ge32 + 36S16 + 40.624 MeV [18.159 MeV]
(A_Pd:1114)
108Pd46 + 2 D* --> 82Se34 + 30Si14 + 38.774 MeV [16.309 MeV]
(A_Pd:1115)
108Pd46 + 2 D* --> 86Kr36 + 26Mg12 + 36.227 MeV [13.762 MeV]
(A_Pd:1116)
108Pd46 + 2 D* --> 94Zr40 + 18O8 + 24.795 MeV [2.330 MeV]
(A_Pd:1117)
108Pd46 + 2 D* --> 96Zr40 + 16O8 + 26.927 MeV [4.462 MeV]
(A_Pd:1118)
108Pd46 + 2 D* --> 100Mo42 + 12C6 + 22.931 MeV [00.466 MeV]
(A_Pd:1119)
108Pd46 + 2 D* --> 108Pd46 + 4He2 + 23.847 MeV [1.381 MeV]

(A_Pd:1120)
108Pd46 + 2 D* --> 112Cd48 + 27.328 MeV [4.863 MeV]
(A_Pd:1121)

108Pd46 + 3 D* --> 100Mo42 + 14N7 + 33.204 MeV [-1.008 MeV]
(A_Pd:1122)
108Pd46 + 3 D* --> 104Ru44 + 10B5 + 25.921 MeV [-8.291 MeV]
(A_Pd:1123)
108Pd46 + 3 D* --> 108Pd46 + 6Li3 + 25.320 MeV [-8.892 MeV]
(A_Pd:1124)
108Pd46 + 3 D* --> 112Cd48 + 2H1 + 27.328 MeV [-6.884 MeV]
(A_Pd:1125)
108Pd46 + 3 D* --> 113Cd48 + 1H1 + 31.643 MeV [-2.569 MeV]
(A_Pd:1126)

108Pd46 + 4 D* --> 68Zn30 + 48Ca20 + 77.240 MeV [30.943 MeV]
(A_Pd:1127)
108Pd46 + 4 D* --> 70Zn30 + 46Ca20 + 75.718 MeV [29.421 MeV]
(A_Pd:1128)
108Pd46 + 4 D* --> 76Ge32 + 40Ar18 + 71.272 MeV [24.974 MeV]
(A_Pd:1129)
108Pd46 + 4 D* --> 80Se34 + 36S16 + 71.443 MeV [25.145 MeV]
(A_Pd:1130)
108Pd46 + 4 D* --> 82Se34 + 34S16 + 70.544 MeV [24.247 MeV]
(A_Pd:1131)
108Pd46 + 4 D* --> 86Kr36 + 30Si14 + 70.717 MeV [24.420 MeV]
(A_Pd:1132)
108Pd46 + 4 D* --> 94Zr40 + 22Ne10 + 58.310 MeV [12.013 MeV]
(A_Pd:1133)
108Pd46 + 4 D* --> 96Zr40 + 20Ne10 + 55.503 MeV [9.206 MeV]
(A_Pd:1134)
108Pd46 + 4 D* --> 98Mo42 + 18O8 + 51.912 MeV [5.615 MeV]
(A_Pd:1135)
108Pd46 + 4 D* --> 100Mo42 + 16O8 + 53.940 MeV [7.643 MeV]
(A_Pd:1136)
108Pd46 + 4 D* --> 104Ru44 + 12C6 + 51.107 MeV [4.810 MeV]
(A_Pd:1137)
108Pd46 + 4 D* --> 109Ag47 + 7Li3 + 36.833 MeV [-9.464 MeV]
(A_Pd:1138)
108Pd46 + 4 D* --> 112Cd48 + 4He2 + 51.174 MeV [4.877 MeV]
(A_Pd:1139)
108Pd46 + 4 D* --> 113Cd48 + 3He2 + 37.137 MeV [-9.161 MeV]
(A_Pd:1140)
108Pd46 + 4 D* --> 115In49 + 1H1 + 45.266 MeV [-1.031 MeV]
(A_Pd:1141)
108Pd46 + 4 D* --> 116Sn50 + 54.547 MeV [8.249 MeV]
(A_Pd:1142)

108Pd46 + 5 D* --> 104Ru44 + 14N7 + 61.380 MeV [2.663 MeV]
(A_Pd:1143)
108Pd46 + 5 D* --> 108Pd46 + 10B5 + 53.628 MeV [-5.089 MeV]
(A_Pd:1144)
108Pd46 + 5 D* --> 109Ag47 + 9Be4 + 53.529 MeV [-5.188 MeV]
(A_Pd:1145)

108Pd46 + 5 D* --> 111Cd48 + 7Li3 + 50.504 MeV [-8.213 MeV]
(A_Pd:1146)
108Pd46 + 5 D* --> 112Cd48 + 6Li3 + 52.648 MeV [-6.069 MeV]
(A_Pd:1147)
108Pd46 + 5 D* --> 115In49 + 3He2 + 50.760 MeV [-7.957 MeV]
(A_Pd:1148)
108Pd46 + 5 D* --> 116Sn50 + 2H1 + 54.547 MeV [-4.170 MeV]
(A_Pd:1149)
108Pd46 + 5 D* --> 117Sn50 + 1H1 + 59.265 MeV [00.548 MeV]
(A_Pd:1150)

108Pd46 + 6 D* --> 70Zn30 + 50Ti22 + 110.281 MeV [38.813 MeV]
(A_Pd:1151)
108Pd46 + 6 D* --> 72Ge32 + 48Ca20 + 106.090 MeV [34.622 MeV]
(A_Pd:1152)
108Pd46 + 6 D* --> 74Ge32 + 46Ca20 + 105.848 MeV [34.379 MeV]
(A_Pd:1153)
108Pd46 + 6 D* --> 76Ge32 + 44Ca20 + 103.972 MeV [32.503 MeV]
(A_Pd:1154)
108Pd46 + 6 D* --> 80Se34 + 40Ar18 + 102.090 MeV [30.622 MeV]
(A_Pd:1155)
108Pd46 + 6 D* --> 82Se34 + 38Ar18 + 101.599 MeV [30.130 MeV]
(A_Pd:1156)
108Pd46 + 6 D* --> 84Kr36 + 36S16 + 102.385 MeV [30.917 MeV]
(A_Pd:1157)
108Pd46 + 6 D* --> 86Kr36 + 34S16 + 102.487 MeV [31.019 MeV]
(A_Pd:1158)
108Pd46 + 6 D* --> 94Zr40 + 26Mg12 + 92.771 MeV [21.303 MeV]
(A_Pd:1159)
108Pd46 + 6 D* --> 96Zr40 + 24Mg12 + 88.666 MeV [17.198 MeV]
(A_Pd:1160)
108Pd46 + 6 D* --> 98Mo42 + 22Ne10 + 85.426 MeV [13.958 MeV]
(A_Pd:1161)
108Pd46 + 6 D* --> 100Mo42 + 20Ne10 + 82.516 MeV [11.048 MeV]
(A_Pd:1162)
108Pd46 + 6 D* --> 102Ru44 + 18O8 + 79.170 MeV [7.701 MeV]
(A_Pd:1163)
108Pd46 + 6 D* --> 104Ru44 + 16O8 + 82.116 MeV [10.648 MeV]
(A_Pd:1164)
108Pd46 + 6 D* --> 108Pd46 + 12C6 + 78.814 MeV [7.346 MeV]
(A_Pd:1165)
108Pd46 + 6 D* --> 109Ag47 + 11B5 + 69.345 MeV [-2.124 MeV]
(A_Pd:1166)
108Pd46 + 6 D* --> 111Cd48 + 9Be4 + 67.200 MeV [-4.268 MeV]
(A_Pd:1167)
108Pd46 + 6 D* --> 113In49 + 7Li3 + 63.752 MeV [-7.717 MeV]
(A_Pd:1168)
108Pd46 + 6 D* --> 116Sn50 + 4He2 + 78.393 MeV [6.925 MeV]
(A_Pd:1169)
108Pd46 + 6 D* --> 117Sn50 + 3He2 + 64.759 MeV [-6.710 MeV]
(A_Pd:1170)
108Pd46 + 6 D* --> 120Te52 + 78.695 MeV [7.226 MeV]
(A_Pd:1171)

108Pd46 + 7 D* --> 82Se34 + 40K19 + 113.555 MeV [29.007 MeV]
(A_Pd:1172)
108Pd46 + 7 D* --> 108Pd46 + 14N7 + 89.087 MeV [4.539 MeV]
(A_Pd:1173)
108Pd46 + 7 D* --> 109Ag47 + 13C6 + 88.023 MeV [3.476 MeV]
(A_Pd:1174)
108Pd46 + 7 D* --> 111Cd48 + 11B5 + 83.015 MeV [-1.532 MeV]
(A_Pd:1175)
108Pd46 + 7 D* --> 112Cd48 + 10B5 + 80.956 MeV [-3.592 MeV]
(A_Pd:1176)
108Pd46 + 7 D* --> 113In49 + 9Be4 + 80.448 MeV [-4.100 MeV]
(A_Pd:1177)
108Pd46 + 7 D* --> 115Sn50 + 7Li3 + 77.554 MeV [-6.994 MeV]
(A_Pd:1178)
108Pd46 + 7 D* --> 116Sn50 + 6Li3 + 79.867 MeV [-4.680 MeV]
(A_Pd:1179)
108Pd46 + 7 D* --> 120Te52 + 2H1 + 78.695 MeV [-5.853 MeV]
(A_Pd:1180)

108Pd46 + 8 D* --> 70Zn30 + 54Cr24 + 142.059 MeV [44.107 MeV]
(A_Pd:1181)
108Pd46 + 8 D* --> 74Ge32 + 50Ti22 + 140.411 MeV [42.459 MeV]
(A_Pd:1182)
108Pd46 + 8 D* --> 76Ge32 + 48Ti22 + 137.262 MeV [39.311 MeV]
(A_Pd:1183)
108Pd46 + 8 D* --> 76Se34 + 48Ca20 + 135.028 MeV [37.076 MeV]
(A_Pd:1184)
108Pd46 + 8 D* --> 78Se34 + 46Ca20 + 135.723 MeV [37.771 MeV]
(A_Pd:1185)
108Pd46 + 8 D* --> 80Se34 + 44Ca20 + 134.790 MeV [36.838 MeV]
(A_Pd:1186)
108Pd46 + 8 D* --> 82Se34 + 42Ca20 + 131.703 MeV [33.751 MeV]
(A_Pd:1187)
108Pd46 + 8 D* --> 84Kr36 + 40Ar18 + 133.032 MeV [35.081 MeV]
(A_Pd:1188)
108Pd46 + 8 D* --> 86Kr36 + 38Ar18 + 133.542 MeV [35.590 MeV]
(A_Pd:1189)
108Pd46 + 8 D* --> 87Rb37 + 37Cl17 + 131.921 MeV [33.969 MeV]
(A_Pd:1190)
108Pd46 + 8 D* --> 88Sr38 + 36S16 + 134.147 MeV [36.196 MeV]
(A_Pd:1191)
108Pd46 + 8 D* --> 94Zr40 + 30Si14 + 127.261 MeV [29.310 MeV]
(A_Pd:1192)
108Pd46 + 8 D* --> 96Zr40 + 28Si14 + 122.497 MeV [24.546 MeV]
(A_Pd:1193)
108Pd46 + 8 D* --> 98Mo42 + 26Mg12 + 119.888 MeV [21.936 MeV]
(A_Pd:1194)
108Pd46 + 8 D* --> 100Mo42 + 24Mg12 + 115.679 MeV [17.728 MeV]
(A_Pd:1195)
108Pd46 + 8 D* --> 102Ru44 + 22Ne10 + 112.684 MeV [14.733 MeV]
(A_Pd:1196)
108Pd46 + 8 D* --> 104Ru44 + 20Ne10 + 110.692 MeV [12.741 MeV]
(A_Pd:1197)
108Pd46 + 8 D* --> 106Pd46 + 18O8 + 106.245 MeV [8.294 MeV]

(A_Pd:1198)
108Pd46 + 8 D* --> 108Pd46 + 16O8 + 109.823 MeV [11.871 MeV]
(A_Pd:1199)
108Pd46 + 8 D* --> 109Ag47 + 15N7 + 104.183 MeV [6.231 MeV]
(A_Pd:1200)
108Pd46 + 8 D* --> 111Cd48 + 13C6 + 101.694 MeV [3.742 MeV]
(A_Pd:1201)
108Pd46 + 8 D* --> 112Cd48 + 12C6 + 106.142 MeV [8.190 MeV]
(A_Pd:1202)
108Pd46 + 8 D* --> 113In49 + 11B5 + 96.263 MeV [-1.688 MeV]
(A_Pd:1203)
108Pd46 + 8 D* --> 115Sn50 + 9Be4 + 94.250 MeV [-3.702 MeV]
(A_Pd:1204)
108Pd46 + 8 D* --> 120Te52 + 4He2 + 102.541 MeV [4.590 MeV]
(A_Pd:1205)
108Pd46 + 8 D* --> 124Xe54 + 103.222 MeV [5.270 MeV]
(A_Pd:1206)

108Pd46 + 9 D* --> 76Ge32 + 50V23 + 151.132 MeV [39.454 MeV]
(A_Pd:1207)
108Pd46 + 9 D* --> 86Kr36 + 40K19 + 145.498 MeV [33.821 MeV]
(A_Pd:1208)
108Pd46 + 9 D* --> 109Ag47 + 17O8 + 118.229 MeV [6.551 MeV]
(A_Pd:1209)
108Pd46 + 9 D* --> 111Cd48 + 15N7 + 117.853 MeV [6.176 MeV]
(A_Pd:1210)
108Pd46 + 9 D* --> 112Cd48 + 14N7 + 116.414 MeV [4.737 MeV]
(A_Pd:1211)
108Pd46 + 9 D* --> 113In49 + 13C6 + 114.942 MeV [3.264 MeV]
(A_Pd:1212)
108Pd46 + 9 D* --> 115Sn50 + 11B5 + 110.065 MeV [-1.612 MeV]
(A_Pd:1213)
108Pd46 + 9 D* --> 116Sn50 + 10B5 + 108.175 MeV [-3.503 MeV]
(A_Pd:1214)
108Pd46 + 9 D* --> 120Te52 + 6Li3 + 104.015 MeV [-7.662 MeV]
(A_Pd:1215)
108Pd46 + 9 D* --> 124Xe54 + 2H1 + 103.222 MeV [-8.456 MeV]
(A_Pd:1216)

108Pd46 + 10 D* --> 64Ni28 + 64Ni28 + 176.031 MeV [50.309 MeV]
(A_Pd:1217)
108Pd46 + 10 D* --> 70Zn30 + 58Fe26 + 173.551 MeV [47.829 MeV]
(A_Pd:1218)
108Pd46 + 10 D* --> 74Ge32 + 54Cr24 + 172.188 MeV [46.466 MeV]
(A_Pd:1219)
108Pd46 + 10 D* --> 76Ge32 + 52Cr24 + 170.463 MeV [44.741 MeV]
(A_Pd:1220)
108Pd46 + 10 D* --> 78Se34 + 50Ti22 + 170.286 MeV [44.564 MeV]
(A_Pd:1221)
108Pd46 + 10 D* --> 80Se34 + 48Ti22 + 168.081 MeV [42.358 MeV]
(A_Pd:1222)
108Pd46 + 10 D* --> 82Se34 + 46Ti22 + 163.550 MeV [37.828 MeV]
(A_Pd:1223)
108Pd46 + 10 D* --> 80Kr36 + 48Ca20 + 163.940 MeV [38.217 MeV]

(A_Pd:1224)
108Pd46 + 10 D* --> 82Kr36 + 46Ca20 + 165.558 MeV [39.835 MeV]
(A_Pd:1225)
108Pd46 + 10 D* --> 84Kr36 + 44Ca20 + 165.732 MeV [40.010 MeV]
(A_Pd:1226)
108Pd46 + 10 D* --> 86Kr36 + 42Ca20 + 163.646 MeV [37.923 MeV]
(A_Pd:1227)
108Pd46 + 10 D* --> 87Rb37 + 41K19 + 161.990 MeV [36.268 MeV]
(A_Pd:1228)
108Pd46 + 10 D* --> 88Sr38 + 40Ar18 + 164.795 MeV [39.072 MeV]
(A_Pd:1229)
108Pd46 + 10 D* --> 92Zr40 + 36S16 + 160.951 MeV [35.229 MeV]
(A_Pd:1230)
108Pd46 + 10 D* --> 94Zr40 + 34S16 + 159.032 MeV [33.309 MeV]
(A_Pd:1231)
108Pd46 + 10 D* --> 96Zr40 + 32S16 + 153.291 MeV [27.569 MeV]
(A_Pd:1232)
108Pd46 + 10 D* --> 98Mo42 + 30Si14 + 154.378 MeV [28.655 MeV]
(A_Pd:1233)
108Pd46 + 10 D* --> 100Mo42 + 28Si14 + 149.510 MeV [23.788 MeV]
(A_Pd:1234)
108Pd46 + 10 D* --> 102Ru44 + 26Mg12 + 147.146 MeV [21.423 MeV]
(A_Pd:1235)
108Pd46 + 10 D* --> 104Ru44 + 24Mg12 + 143.855 MeV [18.133 MeV]
(A_Pd:1236)
108Pd46 + 10 D* --> 106Pd46 + 22Ne10 + 139.760 MeV [14.038 MeV]
(A_Pd:1237)
108Pd46 + 10 D* --> 108Pd46 + 20Ne10 + 138.399 MeV [12.677 MeV]
(A_Pd:1238)
108Pd46 + 10 D* --> 109Ag47 + 19F9 + 132.043 MeV [6.321 MeV]
(A_Pd:1239)
108Pd46 + 10 D* --> 110Cd48 + 18O8 + 132.967 MeV [7.245 MeV]
(A_Pd:1240)
108Pd46 + 10 D* --> 111Cd48 + 17O8 + 131.899 MeV [6.177 MeV]
(A_Pd:1241)
108Pd46 + 10 D* --> 112Cd48 + 16O8 + 137.150 MeV [11.428 MeV]
(A_Pd:1242)
108Pd46 + 10 D* --> 113In49 + 15N7 + 131.101 MeV [5.379 MeV]
(A_Pd:1243)
108Pd46 + 10 D* --> 115Sn50 + 13C6 + 128.744 MeV [3.022 MeV]
(A_Pd:1244)
108Pd46 + 10 D* --> 116Sn50 + 12C6 + 133.361 MeV [7.639 MeV]
(A_Pd:1245)
108Pd46 + 10 D* --> 124Xe54 + 4He2 + 127.068 MeV [1.346 MeV]
(A_Pd:1246)

108Pd46 + 11 D* --> 80Se34 + 50V23 + 181.950 MeV [41.867 MeV]
(A_Pd:1247)
108Pd46 + 11 D* --> 81Br35 + 49Ti22 + 181.502 MeV [41.419 MeV]
(A_Pd:1248)
108Pd46 + 11 D* --> 87Rb37 + 43Ca20 + 177.975 MeV [37.892 MeV]
(A_Pd:1249)
108Pd46 + 11 D* --> 109Ag47 + 21Ne10 + 149.423 MeV [9.340 MeV]
(A_Pd:1250)

108Pd46 + 11 D* --> 111Cd48 + 19F9 + 145.714 MeV [5.631 MeV]
(A_Pd:1251)
108Pd46 + 11 D* --> 113In49 + 17O8 + 145.147 MeV [5.064 MeV]
(A_Pd:1252)
108Pd46 + 11 D* --> 115Sn50 + 15N7 + 144.903 MeV [4.820 MeV]
(A_Pd:1253)
108Pd46 + 11 D* --> 116Sn50 + 14N7 + 143.633 MeV [3.550 MeV]
(A_Pd:1254)
108Pd46 + 11 D* --> 120Te52 + 10B5 + 132.322 MeV [-7.760 MeV]
(A_Pd:1255)
108Pd46 + 11 D* --> 124Xe54 + 6Li3 + 128.542 MeV [-11.541 MeV]
(A_Pd:1256)

108Pd46 + 12 D* --> 68Zn30 + 64Ni28 + 205.211 MeV [50.454 MeV]
(A_Pd:1257)
108Pd46 + 12 D* --> 70Zn30 + 62Ni28 + 204.415 MeV [49.658 MeV]
(A_Pd:1258)
108Pd46 + 12 D* --> 74Ge32 + 58Fe26 + 203.680 MeV [48.923 MeV]
(A_Pd:1259)
108Pd46 + 12 D* --> 76Ge32 + 56Fe26 + 201.923 MeV [47.166 MeV]
(A_Pd:1260)
108Pd46 + 12 D* --> 78Se34 + 54Cr24 + 202.063 MeV [47.306 MeV]
(A_Pd:1261)
108Pd46 + 12 D* --> 80Se34 + 52Cr24 + 201.281 MeV [46.524 MeV]
(A_Pd:1262)
108Pd46 + 12 D* --> 82Se34 + 50Cr24 + 195.958 MeV [41.201 MeV]
(A_Pd:1263)
108Pd46 + 12 D* --> 81Br35 + 51V23 + 198.281 MeV [43.523 MeV]
(A_Pd:1264)
108Pd46 + 12 D* --> 82Kr36 + 50Ti22 + 200.121 MeV [45.363 MeV]
(A_Pd:1265)
108Pd46 + 12 D* --> 83Kr36 + 49Ti22 + 196.645 MeV [41.888 MeV]
(A_Pd:1266)
108Pd46 + 12 D* --> 84Kr36 + 48Ti22 + 199.023 MeV [44.266 MeV]
(A_Pd:1267)
108Pd46 + 12 D* --> 86Kr36 + 46Ti22 + 195.493 MeV [40.736 MeV]
(A_Pd:1268)
108Pd46 + 12 D* --> 87Rb37 + 45Sc21 + 193.770 MeV [39.013 MeV]
(A_Pd:1269)
108Pd46 + 12 D* --> 84Sr38 + 48Ca20 + 192.962 MeV [38.205 MeV]
(A_Pd:1270)
108Pd46 + 12 D* --> 86Sr38 + 46Ca20 + 195.763 MeV [41.006 MeV]
(A_Pd:1271)
108Pd46 + 12 D* --> 88Sr38 + 44Ca20 + 197.495 MeV [42.737 MeV]
(A_Pd:1272)
108Pd46 + 12 D* --> 92Zr40 + 40Ar18 + 191.598 MeV [36.841 MeV]
(A_Pd:1273)
108Pd46 + 12 D* --> 94Zr40 + 38Ar18 + 190.086 MeV [35.329 MeV]
(A_Pd:1274)
108Pd46 + 12 D* --> 96Zr40 + 36Ar18 + 183.779 MeV [29.022 MeV]
(A_Pd:1275)
108Pd46 + 12 D* --> 96Mo42 + 36S16 + 187.559 MeV [32.802 MeV]
(A_Pd:1276)
108Pd46 + 12 D* --> 98Mo42 + 34S16 + 186.148 MeV [31.391 MeV]

(A_Pd:1277)
108Pd46 + 12 D* --> 100Mo42 + 32S16 + 180.304 MeV [25.547 MeV]
(A_Pd:1278)
108Pd46 + 12 D* --> 102Ru44 + 30Si14 + 181.635 MeV [26.878 MeV]
(A_Pd:1279)
108Pd46 + 12 D* --> 104Ru44 + 28Si14 + 177.686 MeV [22.929 MeV]
(A_Pd:1280)
108Pd46 + 12 D* --> 106Pd46 + 26Mg12 + 174.221 MeV [19.464 MeV]
(A_Pd:1281)
108Pd46 + 12 D* --> 108Pd46 + 24Mg12 + 171.562 MeV [16.805 MeV]
(A_Pd:1282)
108Pd46 + 12 D* --> 109Ag47 + 23Na11 + 166.357 MeV [11.600 MeV]
(A_Pd:1283)
108Pd46 + 12 D* --> 110Cd48 + 22Ne10 + 166.482 MeV [11.725 MeV]
(A_Pd:1284)
108Pd46 + 12 D* --> 111Cd48 + 21Ne10 + 163.094 MeV [8.337 MeV]
(A_Pd:1285)
108Pd46 + 12 D* --> 112Cd48 + 20Ne10 + 165.727 MeV [10.970 MeV]
(A_Pd:1286)
108Pd46 + 12 D* --> 113In49 + 19F9 + 158.961 MeV [4.204 MeV]
(A_Pd:1287)
108Pd46 + 12 D* --> 114Sn50 + 18O8 + 159.447 MeV [4.690 MeV]
(A_Pd:1288)
108Pd46 + 12 D* --> 115Sn50 + 17O8 + 158.949 MeV [4.192 MeV]
(A_Pd:1289)
108Pd46 + 12 D* --> 116Sn50 + 16O8 + 164.369 MeV [9.612 MeV]
(A_Pd:1290)
108Pd46 + 12 D* --> 120Te52 + 12C6 + 157.509 MeV [2.752 MeV]
(A_Pd:1291)

110Pd46 + 2 D* --> 96Zr40 + 18O8 + 24.147 MeV [1.814 MeV]
(A_Pd:1292)
110Pd46 + 2 D* --> 110Pd46 + 4He2 + 23.847 MeV [1.514 MeV]
(A_Pd:1293)
110Pd46 + 2 D* --> 114Cd48 + 27.943 MeV [5.610 MeV]
(A_Pd:1294)

110Pd46 + 3 D* --> 110Pd46 + 6Li3 + 25.320 MeV [-8.694 MeV]
(A_Pd:1295)
110Pd46 + 3 D* --> 114Cd48 + 2H1 + 27.943 MeV [-6.071 MeV]
(A_Pd:1296)

110Pd46 + 4 D* --> 70Zn30 + 48Ca20 + 77.972 MeV [31.938 MeV]
(A_Pd:1297)
110Pd46 + 4 D* --> 82Se34 + 36S16 + 72.452 MeV [26.418 MeV]
(A_Pd:1298)
110Pd46 + 4 D* --> 96Zr40 + 22Ne10 + 57.661 MeV [11.627 MeV]
(A_Pd:1299)
110Pd46 + 4 D* --> 100Mo42 + 18O8 + 51.160 MeV [5.125 MeV]
(A_Pd:1300)
110Pd46 + 4 D* --> 114Cd48 + 4He2 + 51.790 MeV [5.755 MeV]
(A_Pd:1301)
110Pd46 + 4 D* --> 118Sn50 + 55.850 MeV [9.816 MeV]

(A_Pd:1302)

110Pd46 + 5 D* --> 110Pd46 + 10B5 + 53.628 MeV [-4.761 MeV]
(A_Pd:1303)
110Pd46 + 5 D* --> 113Cd48 + 7Li3 + 51.471 MeV [-6.919 MeV]
(A_Pd:1304)
110Pd46 + 5 D* --> 114Cd48 + 6Li3 + 53.264 MeV [-5.126 MeV]
(A_Pd:1305)
110Pd46 + 5 D* --> 118Sn50 + 2H1 + 55.850 MeV [-2.539 MeV]
(A_Pd:1306)
110Pd46 + 5 D* --> 119Sn50 + 1H1 + 60.109 MeV [1.720 MeV]
(A_Pd:1307)

110Pd46 + 6 D* --> 74Ge32 + 48Ca20 + 108.102 MeV [37.026 MeV]
(A_Pd:1308)
110Pd46 + 6 D* --> 76Ge32 + 46Ca20 + 106.813 MeV [35.738 MeV]
(A_Pd:1309)
110Pd46 + 6 D* --> 82Se34 + 40Ar18 + 103.099 MeV [32.023 MeV]
(A_Pd:1310)
110Pd46 + 6 D* --> 86Kr36 + 36S16 + 104.395 MeV [33.319 MeV]
(A_Pd:1311)
110Pd46 + 6 D* --> 96Zr40 + 26Mg12 + 92.123 MeV [21.047 MeV]
(A_Pd:1312)
110Pd46 + 6 D* --> 100Mo42 + 22Ne10 + 84.674 MeV [13.599 MeV]
(A_Pd:1313)
110Pd46 + 6 D* --> 104Ru44 + 18O8 + 79.336 MeV [8.260 MeV]
(A_Pd:1314)
110Pd46 + 6 D* --> 110Pd46 + 12C6 + 78.814 MeV [7.739 MeV]
(A_Pd:1315)
110Pd46 + 6 D* --> 113Cd48 + 9Be4 + 68.167 MeV [-2.909 MeV]
(A_Pd:1316)
110Pd46 + 6 D* --> 115In49 + 7Li3 + 65.094 MeV [-5.982 MeV]
(A_Pd:1317)
110Pd46 + 6 D* --> 118Sn50 + 4He2 + 79.696 MeV [8.621 MeV]
(A_Pd:1318)
110Pd46 + 6 D* --> 119Sn50 + 3He2 + 65.602 MeV [-5.473 MeV]
(A_Pd:1319)
110Pd46 + 6 D* --> 121Sb51 + 1H1 + 72.771 MeV [1.696 MeV]
(A_Pd:1320)
110Pd46 + 6 D* --> 122Te52 + 80.779 MeV [9.704 MeV]
(A_Pd:1321)

110Pd46 + 7 D* --> 110Pd46 + 14N7 + 89.087 MeV [4.996 MeV]
(A_Pd:1322)
110Pd46 + 7 D* --> 113Cd48 + 11B5 + 83.982 MeV [-0.108 MeV]
(A_Pd:1323)
110Pd46 + 7 D* --> 114Cd48 + 10B5 + 81.571 MeV [-2.519 MeV]
(A_Pd:1324)
110Pd46 + 7 D* --> 115In49 + 9Be4 + 81.790 MeV [-2.301 MeV]
(A_Pd:1325)
110Pd46 + 7 D* --> 117Sn50 + 7Li3 + 79.093 MeV [-4.998 MeV]
(A_Pd:1326)
110Pd46 + 7 D* --> 118Sn50 + 6Li3 + 81.170 MeV [-2.920 MeV]
(A_Pd:1327)

110Pd46 + 7 D* --> 121Sb51 + 3He2 + 78.265 MeV [-5.826 MeV]
(A_Pd:1328)
110Pd46 + 7 D* --> 122Te52 + 2H1 + 80.779 MeV [-3.311 MeV]
(A_Pd:1329)
110Pd46 + 7 D* --> 123Te52 + 1H1 + 85.484 MeV [1.393 MeV]
(A_Pd:1330)

110Pd46 + 8 D* --> 76Ge32 + 50Ti22 + 141.376 MeV [43.946 MeV]
(A_Pd:1331)
110Pd46 + 8 D* --> 78Se34 + 48Ca20 + 137.977 MeV [40.546 MeV]
(A_Pd:1332)
110Pd46 + 8 D* --> 80Se34 + 46Ca20 + 137.632 MeV [40.201 MeV]
(A_Pd:1333)
110Pd46 + 8 D* --> 82Se34 + 44Ca20 + 135.799 MeV [38.369 MeV]
(A_Pd:1334)
110Pd46 + 8 D* --> 86Kr36 + 40Ar18 + 135.042 MeV [37.612 MeV]
(A_Pd:1335)
110Pd46 + 8 D* --> 96Zr40 + 30Si14 + 126.612 MeV [29.182 MeV]
(A_Pd:1336)
110Pd46 + 8 D* --> 100Mo42 + 26Mg12 + 119.135 MeV [21.705 MeV]
(A_Pd:1337)
110Pd46 + 8 D* --> 104Ru44 + 22Ne10 + 112.850 MeV [15.420 MeV]
(A_Pd:1338)
110Pd46 + 8 D* --> 108Pd46 + 18O8 + 107.042 MeV [9.612 MeV]
(A_Pd:1339)
110Pd46 + 8 D* --> 110Pd46 + 16O8 + 109.823 MeV [12.392 MeV]
(A_Pd:1340)
110Pd46 + 8 D* --> 113Cd48 + 13C6 + 102.661 MeV [5.230 MeV]
(A_Pd:1341)
110Pd46 + 8 D* --> 114Cd48 + 12C6 + 106.758 MeV [9.327 MeV]
(A_Pd:1342)
110Pd46 + 8 D* --> 115In49 + 11B5 + 97.605 MeV [00.175 MeV]
(A_Pd:1343)
110Pd46 + 8 D* --> 117Sn50 + 9Be4 + 95.789 MeV [-1.642 MeV]
(A_Pd:1344)
110Pd46 + 8 D* --> 122Te52 + 4He2 + 104.626 MeV [7.195 MeV]
(A_Pd:1345)
110Pd46 + 8 D* --> 123Te52 + 3He2 + 90.977 MeV [-6.453 MeV]
(A_Pd:1346)
110Pd46 + 8 D* --> 126Xe54 + 105.905 MeV [8.475 MeV]
(A_Pd:1347)

110Pd46 + 9 D* --> 113Cd48 + 15N7 + 118.820 MeV [7.727 MeV]
(A_Pd:1348)
110Pd46 + 9 D* --> 114Cd48 + 14N7 + 117.030 MeV [5.937 MeV]
(A_Pd:1349)
110Pd46 + 9 D* --> 115In49 + 13C6 + 116.284 MeV [5.191 MeV]
(A_Pd:1350)
110Pd46 + 9 D* --> 117Sn50 + 11B5 + 111.604 MeV [00.512 MeV]
(A_Pd:1351)
110Pd46 + 9 D* --> 118Sn50 + 10B5 + 109.478 MeV [-1.615 MeV]
(A_Pd:1352)
110Pd46 + 9 D* --> 122Te52 + 6Li3 + 106.100 MeV [-4.993 MeV]
(A_Pd:1353)

110Pd46 + 9 D* --> 126Xe54 + 2H1 + 105.905 MeV [-5.188 MeV]
(A_Pd:1354)

110Pd46 + 10 D* --> 76Ge32 + 54Cr24 + 173.154 MeV [48.080 MeV]
(A_Pd:1355)
110Pd46 + 10 D* --> 80Se34 + 50Ti22 + 172.195 MeV [47.121 MeV]
(A_Pd:1356)
110Pd46 + 10 D* --> 82Se34 + 48Ti22 + 169.090 MeV [44.016 MeV]
(A_Pd:1357)
110Pd46 + 10 D* --> 82Kr36 + 48Ca20 + 167.812 MeV [42.738 MeV]
(A_Pd:1358)
110Pd46 + 10 D* --> 84Kr36 + 46Ca20 + 168.574 MeV [43.500 MeV]
(A_Pd:1359)
110Pd46 + 10 D* --> 86Kr36 + 44Ca20 + 167.742 MeV [42.668 MeV]
(A_Pd:1360)
110Pd46 + 10 D* --> 94Zr40 + 36S16 + 160.939 MeV [35.865 MeV]
(A_Pd:1361)
110Pd46 + 10 D* --> 96Zr40 + 34S16 + 158.383 MeV [33.309 MeV]
(A_Pd:1362)
110Pd46 + 10 D* --> 100Mo42 + 30Si14 + 153.625 MeV [28.551 MeV]
(A_Pd:1363)
110Pd46 + 10 D* --> 104Ru44 + 26Mg12 + 147.311 MeV [22.237 MeV]
(A_Pd:1364)
110Pd46 + 10 D* --> 108Pd46 + 22Ne10 + 140.557 MeV [15.483 MeV]
(A_Pd:1365)
110Pd46 + 10 D* --> 110Pd46 + 20Ne10 + 138.399 MeV [13.325 MeV]
(A_Pd:1366)
110Pd46 + 10 D* --> 112Cd48 + 18O8 + 134.370 MeV [9.296 MeV]
(A_Pd:1367)
110Pd46 + 10 D* --> 113Cd48 + 17O8 + 132.866 MeV [7.792 MeV]
(A_Pd:1368)
110Pd46 + 10 D* --> 114Cd48 + 16O8 + 137.766 MeV [12.692 MeV]
(A_Pd:1369)
110Pd46 + 10 D* --> 115In49 + 15N7 + 132.443 MeV [7.369 MeV]
(A_Pd:1370)
110Pd46 + 10 D* --> 117Sn50 + 13C6 + 130.283 MeV [5.209 MeV]
(A_Pd:1371)
110Pd46 + 10 D* --> 118Sn50 + 12C6 + 134.664 MeV [9.590 MeV]
(A_Pd:1372)
110Pd46 + 10 D* --> 126Xe54 + 4He2 + 129.752 MeV [4.678 MeV]
(A_Pd:1373)
110Pd46 + 10 D* --> 130Ba56 + 130.270 MeV [5.196 MeV]
(A_Pd:1374)

110Pd46 + 11 D* --> 82Se34 + 50V23 + 182.959 MeV [43.587 MeV]
(A_Pd:1375)
110Pd46 + 11 D* --> 113Cd48 + 19F9 + 146.680 MeV [7.309 MeV]
(A_Pd:1376)
110Pd46 + 11 D* --> 115In49 + 17O8 + 146.489 MeV [7.117 MeV]
(A_Pd:1377)
110Pd46 + 11 D* --> 117Sn50 + 15N7 + 146.442 MeV [7.070 MeV]
(A_Pd:1378)
110Pd46 + 11 D* --> 118Sn50 + 14N7 + 144.936 MeV [5.565 MeV]
(A_Pd:1379)

110Pd46 + 11 D* --> 122Te52 + 10B5 + 134.407 MeV [-4.965 MeV]
(A_Pd:1380)
110Pd46 + 11 D* --> 126Xe54 + 6Li3 + 131.226 MeV [-8.146 MeV]
(A_Pd:1381)
110Pd46 + 11 D* --> 130Ba56 + 2H1 + 130.270 MeV [-9.102 MeV]
(A_Pd:1382)

110Pd46 + 12 D* --> 70Zn30 + 64Ni28 + 205.943 MeV [51.960 MeV]
(A_Pd:1383)
110Pd46 + 12 D* --> 76Ge32 + 58Fe26 + 204.646 MeV [50.663 MeV]
(A_Pd:1384)
110Pd46 + 12 D* --> 80Se34 + 54Cr24 + 203.972 MeV [49.989 MeV]
(A_Pd:1385)
110Pd46 + 12 D* --> 82Se34 + 52Cr24 + 202.290 MeV [48.307 MeV]
(A_Pd:1386)
110Pd46 + 12 D* --> 84Kr36 + 50Ti22 + 203.137 MeV [49.154 MeV]
(A_Pd:1387)
110Pd46 + 12 D* --> 86Kr36 + 48Ti22 + 201.033 MeV [47.049 MeV]
(A_Pd:1388)
110Pd46 + 12 D* --> 86Sr38 + 48Ca20 + 198.017 MeV [44.034 MeV]
(A_Pd:1389)
110Pd46 + 12 D* --> 88Sr38 + 46Ca20 + 200.336 MeV [46.353 MeV]
(A_Pd:1390)
110Pd46 + 12 D* --> 94Zr40 + 40Ar18 + 191.586 MeV [37.603 MeV]
(A_Pd:1391)
110Pd46 + 12 D* --> 96Zr40 + 38Ar18 + 189.437 MeV [35.454 MeV]
(A_Pd:1392)
110Pd46 + 12 D* --> 98Mo42 + 36S16 + 188.055 MeV [34.072 MeV]
(A_Pd:1393)
110Pd46 + 12 D* --> 100Mo42 + 34S16 + 185.396 MeV [31.412 MeV]
(A_Pd:1394)
110Pd46 + 12 D* --> 104Ru44 + 30Si14 + 181.801 MeV [27.818 MeV]
(A_Pd:1395)
110Pd46 + 12 D* --> 108Pd46 + 26Mg12 + 175.018 MeV [21.035 MeV]
(A_Pd:1396)
110Pd46 + 12 D* --> 110Pd46 + 24Mg12 + 171.562 MeV [17.579 MeV]
(A_Pd:1397)
110Pd46 + 12 D* --> 112Cd48 + 22Ne10 + 167.885 MeV [13.901 MeV]
(A_Pd:1398)
110Pd46 + 12 D* --> 113Cd48 + 21Ne10 + 164.061 MeV [10.077 MeV]
(A_Pd:1399)
110Pd46 + 12 D* --> 114Cd48 + 20Ne10 + 166.342 MeV [12.359 MeV]
(A_Pd:1400)
110Pd46 + 12 D* --> 115In49 + 19F9 + 160.303 MeV [6.320 MeV]
(A_Pd:1401)
110Pd46 + 12 D* --> 116Sn50 + 18O8 + 161.589 MeV [7.606 MeV]
(A_Pd:1402)
110Pd46 + 12 D* --> 117Sn50 + 17O8 + 160.488 MeV [6.505 MeV]
(A_Pd:1403)
110Pd46 + 12 D* --> 118Sn50 + 16O8 + 165.673 MeV [11.689 MeV]
(A_Pd:1404)
110Pd46 + 12 D* --> 122Te52 + 12C6 + 159.594 MeV [5.610 MeV]
(A_Pd:1405)
110Pd46 + 12 D* --> 130Ba56 + 4He2 + 154.116 MeV [00.133 MeV]

Report A - Energetically Feasible Aneutronic X + n D* --> Y + Z Reactions, n = 1 to 12
Creating Stable Isotopes Y and Z With No Weak Reactions

(A_Pd:1406)

---------- Equations follow for Silver, Ag, element 47 ----------

107Ag47 + D* --> 61Ni28 + 48Ca20 + 33.169 MeV [21.834 MeV] (A_Ag:1)
107Ag47 + D* --> 73Ge32 + 36S16 + 26.696 MeV [15.361 MeV] (A_Ag:2)
107Ag47 + D* --> 76Ge32 + 33S16 + 24.533 MeV [13.198 MeV] (A_Ag:3)
107Ag47 + D* --> 80Se34 + 29Si14 + 24.389 MeV [13.054 MeV] (A_Ag:4)
107Ag47 + D* --> 83Kr36 + 26Mg12 + 20.930 MeV [9.596 MeV] (A_Ag:5)
107Ag47 + D* --> 84Kr36 + 25Mg12 + 20.358 MeV [9.023 MeV] (A_Ag:6)
107Ag47 + D* --> 87Sr38 + 22Ne10 + 17.639 MeV [6.304 MeV] (A_Ag:7)
107Ag47 + D* --> 88Sr38 + 21Ne10 + 18.387 MeV [7.053 MeV] (A_Ag:8)
107Ag47 + D* --> 91Zr40 + 18O8 + 13.406 MeV [2.071 MeV] (A_Ag:9)
107Ag47 + D* --> 92Zr40 + 17O8 + 13.997 MeV [2.662 MeV] (A_Ag:10)
107Ag47 + D* --> 96Mo42 + 13C6 + 10.399 MeV [-0.935 MeV] (A_Ag:11)
107Ag47 + D* --> 97Mo42 + 12C6 + 12.274 MeV [00.940 MeV] (A_Ag:12)
107Ag47 + D* --> 100Ru44 + 9Be4 + 2.605 MeV [-8.729 MeV] (A_Ag:13)
107Ag47 + D* --> 105Pd46 + 4He2 + 10.722 MeV [-0.613 MeV] (A_Ag:14)

107Ag47 + 2 D* --> 63Cu29 + 48Ca20 + 47.663 MeV [24.652 MeV] (A_Ag:15)
107Ag47 + 2 D* --> 65Cu29 + 46Ca20 + 48.268 MeV [25.257 MeV] (A_Ag:16)
107Ag47 + 2 D* --> 70Zn30 + 41K19 + 42.993 MeV [19.982 MeV] (A_Ag:17)
107Ag47 + 2 D* --> 71Ga31 + 40Ar18 + 43.050 MeV [20.038 MeV] (A_Ag:18)
107Ag47 + 2 D* --> 74Ge32 + 37Cl17 + 43.054 MeV [20.042 MeV] (A_Ag:19)
107Ag47 + 2 D* --> 76Ge32 + 35Cl17 + 40.096 MeV [17.085 MeV] (A_Ag:20)
107Ag47 + 2 D* --> 75As33 + 36S16 + 41.566 MeV [18.554 MeV] (A_Ag:21)
107Ag47 + 2 D* --> 80Se34 + 31P15 + 40.071 MeV [17.059 MeV] (A_Ag:22)
107Ag47 + 2 D* --> 81Br35 + 30Si14 + 40.277 MeV [17.266 MeV] (A_Ag:23)
107Ag47 + 2 D* --> 84Kr36 + 27Al13 + 37.497 MeV [14.486 MeV] (A_Ag:24)
107Ag47 + 2 D* --> 85Rb37 + 26Mg12 + 36.252 MeV [13.240 MeV] (A_Ag:25)
107Ag47 + 2 D* --> 87Rb37 + 24Mg12 + 36.401 MeV [13.389 MeV] (A_Ag:26)
107Ag47 + 2 D* --> 88Sr38 + 23Na11 + 35.321 MeV [12.310 MeV] (A_Ag:27)
107Ag47 + 2 D* --> 89Y39 + 22Ne10 + 33.596 MeV [10.584 MeV] (A_Ag:28)
107Ag47 + 2 D* --> 92Zr40 + 19F9 + 27.811 MeV [4.799 MeV] (A_Ag:29)
107Ag47 + 2 D* --> 93Nb41 + 18O8 + 25.860 MeV [2.848 MeV] (A_Ag:30)
107Ag47 + 2 D* --> 96Mo42 + 15N7 + 26.559 MeV [3.547 MeV] (A_Ag:31)
107Ag47 + 2 D* --> 97Mo42 + 14N7 + 22.547 MeV [-0.465 MeV] (A_Ag:32)
107Ag47 + 2 D* --> 100Ru44 + 11B5 + 18.421 MeV [-4.591 MeV] (A_Ag:33)
107Ag47 + 2 D* --> 101Ru44 + 10B5 + 13.769 MeV [-9.243 MeV] (A_Ag:34)
107Ag47 + 2 D* --> 104Pd46 + 7Li3 + 12.352 MeV [-10.660 MeV] (A_Ag:35)
107Ag47 + 2 D* --> 105Pd46 + 6Li3 + 12.196 MeV [-10.816 MeV] (A_Ag:36)
107Ag47 + 2 D* --> 107Ag47 + 4He2 + 23.847 MeV [00.835 MeV] (A_Ag:37)
107Ag47 + 2 D* --> 110Cd48 + 1H1 + 20.934 MeV [-2.078 MeV] (A_Ag:38)

107Ag47 + 3 D* --> 64Ni28 + 49Ti22 + 66.663 MeV [31.636 MeV] (A_Ag:39)
107Ag47 + 3 D* --> 67Zn30 + 46Ca20 + 62.021 MeV [26.993 MeV] (A_Ag:40)
107Ag47 + 3 D* --> 70Zn30 + 43Ca20 + 58.979 MeV [23.951 MeV] (A_Ag:41)
107Ag47 + 3 D* --> 73Ge32 + 40Ar18 + 57.343 MeV [22.315 MeV] (A_Ag:42)
107Ag47 + 3 D* --> 77Se34 + 36S16 + 56.269 MeV [21.241 MeV] (A_Ag:43)
107Ag47 + 3 D* --> 80Se34 + 33S16 + 55.351 MeV [20.324 MeV] (A_Ag:44)
107Ag47 + 3 D* --> 83Kr36 + 30Si14 + 55.420 MeV [20.392 MeV] (A_Ag:45)
107Ag47 + 3 D* --> 84Kr36 + 29Si14 + 55.331 MeV [20.304 MeV] (A_Ag:46)
107Ag47 + 3 D* --> 87Sr38 + 26Mg12 + 52.100 MeV [17.073 MeV] (A_Ag:47)
107Ag47 + 3 D* --> 88Sr38 + 25Mg12 + 52.120 MeV [17.092 MeV] (A_Ag:48)

107Ag47 + 3 D* --> 91Zr40 + 22Ne10 + 46.921 MeV [11.893 MeV] (A_Ag:49)
107Ag47 + 3 D* --> 92Zr40 + 21Ne10 + 45.191 MeV [10.163 MeV] (A_Ag:50)
107Ag47 + 3 D* --> 95Mo42 + 18O8 + 39.494 MeV [4.467 MeV] (A_Ag:51)
107Ag47 + 3 D* --> 96Mo42 + 17O8 + 40.605 MeV [5.577 MeV] (A_Ag:52)
107Ag47 + 3 D* --> 97Mo42 + 16O8 + 43.283 MeV [8.255 MeV] (A_Ag:53)
107Ag47 + 3 D* --> 100Ru44 + 13C6 + 37.099 MeV [2.072 MeV] (A_Ag:54)
107Ag47 + 3 D* --> 101Ru44 + 12C6 + 38.955 MeV [3.928 MeV] (A_Ag:55)
107Ag47 + 3 D* --> 103Rh45 + 10B5 + 26.977 MeV [-8.051 MeV] (A_Ag:56)
107Ag47 + 3 D* --> 104Pd46 + 9Be4 + 29.048 MeV [-5.980 MeV] (A_Ag:57)
107Ag47 + 3 D* --> 107Ag47 + 6Li3 + 25.320 MeV [-9.707 MeV] (A_Ag:58)
107Ag47 + 3 D* --> 110Cd48 + 3He2 + 26.427 MeV [-8.600 MeV] (A_Ag:59)

107Ag47 + 4 D* --> 64Ni28 + 51V23 + 83.442 MeV [36.063 MeV] (A_Ag:60)
107Ag47 + 4 D* --> 65Cu29 + 50Ti22 + 82.831 MeV [35.453 MeV] (A_Ag:61)
107Ag47 + 4 D* --> 70Zn30 + 45Sc21 + 74.774 MeV [27.395 MeV] (A_Ag:62)
107Ag47 + 4 D* --> 69Ga31 + 46Ca20 + 76.604 MeV [29.225 MeV] (A_Ag:63)
107Ag47 + 4 D* --> 71Ga31 + 44Ca20 + 75.750 MeV [28.371 MeV] (A_Ag:64)
107Ag47 + 4 D* --> 74Ge32 + 41K19 + 73.123 MeV [25.744 MeV] (A_Ag:65)
107Ag47 + 4 D* --> 76Ge32 + 39K19 + 71.161 MeV [23.782 MeV] (A_Ag:66)
107Ag47 + 4 D* --> 75As33 + 40Ar18 + 72.213 MeV [24.835 MeV] (A_Ag:67)
107Ag47 + 4 D* --> 78Se34 + 37Cl17 + 72.929 MeV [25.550 MeV] (A_Ag:68)
107Ag47 + 4 D* --> 80Se34 + 35Cl17 + 70.915 MeV [23.536 MeV] (A_Ag:69)
107Ag47 + 4 D* --> 79Br35 + 36S16 + 70.874 MeV [23.495 MeV] (A_Ag:70)
107Ag47 + 4 D* --> 81Br35 + 34S16 + 72.048 MeV [24.669 MeV] (A_Ag:71)
107Ag47 + 4 D* --> 84Kr36 + 31P15 + 71.013 MeV [23.634 MeV] (A_Ag:72)
107Ag47 + 4 D* --> 85Rb37 + 30Si14 + 70.741 MeV [23.363 MeV] (A_Ag:73)
107Ag47 + 4 D* --> 87Rb37 + 28Si14 + 70.232 MeV [22.853 MeV] (A_Ag:74)
107Ag47 + 4 D* --> 88Sr38 + 27Al13 + 69.260 MeV [21.881 MeV] (A_Ag:75)
107Ag47 + 4 D* --> 89Y39 + 26Mg12 + 68.057 MeV [20.679 MeV] (A_Ag:76)
107Ag47 + 4 D* --> 92Zr40 + 23Na11 + 62.125 MeV [14.746 MeV] (A_Ag:77)
107Ag47 + 4 D* --> 93Nb41 + 22Ne10 + 59.374 MeV [11.995 MeV] (A_Ag:78)
107Ag47 + 4 D* --> 96Mo42 + 19F9 + 54.419 MeV [7.040 MeV] (A_Ag:79)
107Ag47 + 4 D* --> 100Ru44 + 15N7 + 53.259 MeV [5.880 MeV] (A_Ag:80)
107Ag47 + 4 D* --> 101Ru44 + 14N7 + 49.227 MeV [1.849 MeV] (A_Ag:81)
107Ag47 + 4 D* --> 103Rh45 + 12C6 + 52.163 MeV [4.785 MeV] (A_Ag:82)
107Ag47 + 4 D* --> 104Pd46 + 11B5 + 44.863 MeV [-2.515 MeV] (A_Ag:83)
107Ag47 + 4 D* --> 105Pd46 + 10B5 + 40.503 MeV [-6.875 MeV] (A_Ag:84)
107Ag47 + 4 D* --> 108Cd48 + 7Li3 + 38.485 MeV [-8.893 MeV] (A_Ag:85)
107Ag47 + 4 D* --> 114Sn50 + 1H1 + 47.413 MeV [00.034 MeV] (A_Ag:86)

107Ag47 + 5 D* --> 64Ni28 + 53Cr24 + 99.661 MeV [39.599 MeV] (A_Ag:87)
107Ag47 + 5 D* --> 67Zn30 + 50Ti22 + 96.584 MeV [36.522 MeV] (A_Ag:88)
107Ag47 + 5 D* --> 68Zn30 + 49Ti22 + 95.843 MeV [35.781 MeV] (A_Ag:89)
107Ag47 + 5 D* --> 70Zn30 + 47Ti22 + 91.774 MeV [31.712 MeV] (A_Ag:90)
107Ag47 + 5 D* --> 73Ge32 + 44Ca20 + 90.043 MeV [29.981 MeV] (A_Ag:91)
107Ag47 + 5 D* --> 74Ge32 + 43Ca20 + 89.108 MeV [29.046 MeV] (A_Ag:92)
107Ag47 + 5 D* --> 77Se34 + 40Ar18 + 86.916 MeV [26.855 MeV] (A_Ag:93)
107Ag47 + 5 D* --> 83Kr36 + 34S16 + 87.190 MeV [27.129 MeV] (A_Ag:94)
107Ag47 + 5 D* --> 84Kr36 + 33S16 + 86.294 MeV [26.232 MeV] (A_Ag:95)
107Ag47 + 5 D* --> 87Sr38 + 30Si14 + 86.590 MeV [26.529 MeV] (A_Ag:96)
107Ag47 + 5 D* --> 88Sr38 + 29Si14 + 87.094 MeV [27.032 MeV] (A_Ag:97)
107Ag47 + 5 D* --> 91Zr40 + 26Mg12 + 81.382 MeV [21.320 MeV] (A_Ag:98)
107Ag47 + 5 D* --> 92Zr40 + 25Mg12 + 78.924 MeV [18.862 MeV] (A_Ag:99)
107Ag47 + 5 D* --> 95Mo42 + 22Ne10 + 73.009 MeV [12.947 MeV] (A_Ag:100)

107Ag47 + 5 D* --> 96Mo42 + 21Ne10 + 71.799 MeV [11.737 MeV] (A_Ag:101)
107Ag47 + 5 D* --> 97Mo42 + 20Ne10 + 71.859 MeV [11.798 MeV] (A_Ag:102)
107Ag47 + 5 D* --> 99Ru44 + 18O8 + 65.675 MeV [5.614 MeV] (A_Ag:103)
107Ag47 + 5 D* --> 100Ru44 + 17O8 + 67.305 MeV [7.243 MeV] (A_Ag:104)
107Ag47 + 5 D* --> 101Ru44 + 16O8 + 69.964 MeV [9.902 MeV] (A_Ag:105)
107Ag47 + 5 D* --> 103Rh45 + 14N7 + 62.436 MeV [2.374 MeV] (A_Ag:106)
107Ag47 + 5 D* --> 104Pd46 + 13C6 + 63.542 MeV [3.480 MeV] (A_Ag:107)
107Ag47 + 5 D* --> 105Pd46 + 12C6 + 65.690 MeV [5.628 MeV] (A_Ag:108)
107Ag47 + 5 D* --> 107Ag47 + 10B5 + 53.628 MeV [-6.434 MeV] (A_Ag:109)
107Ag47 + 5 D* --> 108Cd48 + 9Be4 + 55.182 MeV [-4.880 MeV] (A_Ag:110)
107Ag47 + 5 D* --> 114Sn50 + 3He2 + 52.907 MeV [-7.155 MeV] (A_Ag:111)

107Ag47 + 6 D* --> 64Ni28 + 55Mn25 + 115.222 MeV [42.149 MeV] (A_Ag:112)
107Ag47 + 6 D* --> 65Cu29 + 54Cr24 + 114.609 MeV [41.536 MeV] (A_Ag:113)
107Ag47 + 6 D* --> 68Zn30 + 51V23 + 112.621 MeV [39.548 MeV] (A_Ag:114)
107Ag47 + 6 D* --> 69Ga31 + 50Ti22 + 111.167 MeV [38.094 MeV] (A_Ag:115)
107Ag47 + 6 D* --> 71Ga31 + 48Ti22 + 109.041 MeV [35.967 MeV] (A_Ag:116)
107Ag47 + 6 D* --> 74Ge32 + 45Sc21 + 104.903 MeV [31.830 MeV] (A_Ag:117)
107Ag47 + 6 D* --> 75As33 + 44Ca20 + 104.913 MeV [31.840 MeV] (A_Ag:118)
107Ag47 + 6 D* --> 78Se34 + 41K19 + 102.998 MeV [29.925 MeV] (A_Ag:119)
107Ag47 + 6 D* --> 80Se34 + 39K19 + 101.980 MeV [28.906 MeV] (A_Ag:120)
107Ag47 + 6 D* --> 79Br35 + 40Ar18 + 101.521 MeV [28.448 MeV] (A_Ag:121)
107Ag47 + 6 D* --> 81Br35 + 38Ar18 + 103.102 MeV [30.029 MeV] (A_Ag:122)
107Ag47 + 6 D* --> 82Kr36 + 37Cl17 + 102.764 MeV [29.690 MeV] (A_Ag:123)
107Ag47 + 6 D* --> 84Kr36 + 35Cl17 + 101.857 MeV [28.784 MeV] (A_Ag:124)
107Ag47 + 6 D* --> 85Rb37 + 34S16 + 102.512 MeV [29.439 MeV] (A_Ag:125)
107Ag47 + 6 D* --> 87Rb37 + 32S16 + 101.026 MeV [27.953 MeV] (A_Ag:126)
107Ag47 + 6 D* --> 88Sr38 + 31P15 + 102.775 MeV [29.702 MeV] (A_Ag:127)
107Ag47 + 6 D* --> 89Y39 + 30Si14 + 102.547 MeV [29.474 MeV] (A_Ag:128)
107Ag47 + 6 D* --> 92Zr40 + 27Al13 + 96.063 MeV [22.990 MeV] (A_Ag:129)
107Ag47 + 6 D* --> 93Nb41 + 26Mg12 + 93.835 MeV [20.762 MeV] (A_Ag:130)
107Ag47 + 6 D* --> 96Mo42 + 23Na11 + 88.733 MeV [15.660 MeV] (A_Ag:131)
107Ag47 + 6 D* --> 100Ru44 + 19F9 + 81.119 MeV [8.046 MeV] (A_Ag:132)
107Ag47 + 6 D* --> 103Rh45 + 16O8 + 83.172 MeV [10.099 MeV] (A_Ag:133)
107Ag47 + 6 D* --> 104Pd46 + 15N7 + 79.701 MeV [6.628 MeV] (A_Ag:134)
107Ag47 + 6 D* --> 105Pd46 + 14N7 + 75.962 MeV [2.889 MeV] (A_Ag:135)
107Ag47 + 6 D* --> 107Ag47 + 12C6 + 78.814 MeV [5.741 MeV] (A_Ag:136)
107Ag47 + 6 D* --> 108Cd48 + 11B5 + 70.997 MeV [-2.076 MeV] (A_Ag:137)
107Ag47 + 6 D* --> 112Sn50 + 7Li3 + 64.166 MeV [-8.907 MeV] (A_Ag:138)

107Ag47 + 7 D* --> 64Ni28 + 57Fe26 + 130.828 MeV [44.418 MeV] (A_Ag:139)
107Ag47 + 7 D* --> 67Zn30 + 54Cr24 + 128.361 MeV [41.951 MeV] (A_Ag:140)
107Ag47 + 7 D* --> 68Zn30 + 53Cr24 + 128.840 MeV [42.430 MeV] (A_Ag:141)
107Ag47 + 7 D* --> 71Ga31 + 50V23 + 122.910 MeV [36.500 MeV] (A_Ag:142)
107Ag47 + 7 D* --> 72Ge32 + 49Ti22 + 124.693 MeV [38.283 MeV] (A_Ag:143)
107Ag47 + 7 D* --> 73Ge32 + 48Ti22 + 123.334 MeV [36.923 MeV] (A_Ag:144)
107Ag47 + 7 D* --> 74Ge32 + 47Ti22 + 121.903 MeV [35.493 MeV] (A_Ag:145)
107Ag47 + 7 D* --> 77Se34 + 44Ca20 + 119.616 MeV [33.206 MeV] (A_Ag:146)
107Ag47 + 7 D* --> 78Se34 + 43Ca20 + 118.983 MeV [32.573 MeV] (A_Ag:147)
107Ag47 + 7 D* --> 81Br35 + 40K19 + 115.058 MeV [28.648 MeV] (A_Ag:148)
107Ag47 + 7 D* --> 83Kr36 + 38Ar18 + 118.245 MeV [31.834 MeV] (A_Ag:149)
107Ag47 + 7 D* --> 87Sr38 + 34S16 + 118.361 MeV [31.950 MeV] (A_Ag:150)
107Ag47 + 7 D* --> 88Sr38 + 33S16 + 118.056 MeV [31.646 MeV] (A_Ag:151)
107Ag47 + 7 D* --> 91Zr40 + 30Si14 + 115.872 MeV [29.462 MeV] (A_Ag:152)

107Ag47 + 7 D* --> 92Zr40 + 29Si14 + 113.897 MeV [27.487 MeV] (A_Ag:153)
107Ag47 + 7 D* --> 95Mo42 + 26Mg12 + 107.470 MeV [21.060 MeV] (A_Ag:154)
107Ag47 + 7 D* --> 96Mo42 + 25Mg12 + 105.532 MeV [19.122 MeV] (A_Ag:155)
107Ag47 + 7 D* --> 97Mo42 + 24Mg12 + 105.022 MeV [18.612 MeV] (A_Ag:156)
107Ag47 + 7 D* --> 99Ru44 + 22Ne10 + 99.190 MeV [12.780 MeV] (A_Ag:157)
107Ag47 + 7 D* --> 100Ru44 + 21Ne10 + 98.499 MeV [12.089 MeV] (A_Ag:158)
107Ag47 + 7 D* --> 101Ru44 + 20Ne10 + 98.540 MeV [12.130 MeV] (A_Ag:159)
107Ag47 + 7 D* --> 104Pd46 + 17O8 + 93.747 MeV [7.337 MeV] (A_Ag:160)
107Ag47 + 7 D* --> 105Pd46 + 16O8 + 96.698 MeV [10.288 MeV] (A_Ag:161)
107Ag47 + 7 D* --> 107Ag47 + 14N7 + 89.087 MeV [2.677 MeV] (A_Ag:162)
107Ag47 + 7 D* --> 108Cd48 + 13C6 + 89.676 MeV [3.266 MeV] (A_Ag:163)
107Ag47 + 7 D* --> 112Sn50 + 9Be4 + 80.862 MeV [-5.548 MeV] (A_Ag:164)

107Ag47 + 8 D* --> 64Ni28 + 59Co27 + 146.012 MeV [45.942 MeV] (A_Ag:165)
107Ag47 + 8 D* --> 65Cu29 + 58Fe26 + 146.101 MeV [46.032 MeV] (A_Ag:166)
107Ag47 + 8 D* --> 68Zn30 + 55Mn25 + 144.402 MeV [44.332 MeV] (A_Ag:167)
107Ag47 + 8 D* --> 69Ga31 + 54Cr24 + 142.944 MeV [42.875 MeV] (A_Ag:168)
107Ag47 + 8 D* --> 71Ga31 + 52Cr24 + 142.241 MeV [42.172 MeV] (A_Ag:169)
107Ag47 + 8 D* --> 72Ge32 + 51V23 + 141.471 MeV [41.402 MeV] (A_Ag:170)
107Ag47 + 8 D* --> 73Ge32 + 50V23 + 137.203 MeV [37.134 MeV] (A_Ag:171)
107Ag47 + 8 D* --> 75As33 + 48Ti22 + 138.204 MeV [38.135 MeV] (A_Ag:172)
107Ag47 + 8 D* --> 78Se34 + 45Sc21 + 134.778 MeV [34.709 MeV] (A_Ag:173)
107Ag47 + 8 D* --> 79Br35 + 44Ca20 + 134.221 MeV [34.152 MeV] (A_Ag:174)
107Ag47 + 8 D* --> 81Br35 + 42Ca20 + 133.206 MeV [33.137 MeV] (A_Ag:175)
107Ag47 + 8 D* --> 82Kr36 + 41K19 + 132.833 MeV [32.763 MeV] (A_Ag:176)
107Ag47 + 8 D* --> 83Kr36 + 40K19 + 130.201 MeV [30.132 MeV] (A_Ag:177)
107Ag47 + 8 D* --> 84Kr36 + 39K19 + 132.922 MeV [32.853 MeV] (A_Ag:178)
107Ag47 + 8 D* --> 85Rb37 + 38Ar18 + 133.566 MeV [33.497 MeV] (A_Ag:179)
107Ag47 + 8 D* --> 87Rb37 + 36Ar18 + 131.513 MeV [31.444 MeV] (A_Ag:180)
107Ag47 + 8 D* --> 86Sr38 + 37Cl17 + 132.969 MeV [32.900 MeV] (A_Ag:181)
107Ag47 + 8 D* --> 88Sr38 + 35Cl17 + 133.619 MeV [33.550 MeV] (A_Ag:182)
107Ag47 + 8 D* --> 89Y39 + 34S16 + 134.318 MeV [34.248 MeV] (A_Ag:183)
107Ag47 + 8 D* --> 92Zr40 + 31P15 + 129.579 MeV [29.509 MeV] (A_Ag:184)
107Ag47 + 8 D* --> 93Nb41 + 30Si14 + 128.325 MeV [28.256 MeV] (A_Ag:185)
107Ag47 + 8 D* --> 96Mo42 + 27Al13 + 122.671 MeV [22.602 MeV] (A_Ag:186)
107Ag47 + 8 D* --> 100Ru44 + 23Na11 + 115.433 MeV [15.363 MeV] (A_Ag:187)
107Ag47 + 8 D* --> 103Rh45 + 20Ne10 + 111.748 MeV [11.679 MeV] (A_Ag:188)
107Ag47 + 8 D* --> 104Pd46 + 19F9 + 107.561 MeV [7.492 MeV] (A_Ag:189)
107Ag47 + 8 D* --> 107Ag47 + 16O8 + 109.823 MeV [9.753 MeV] (A_Ag:190)
107Ag47 + 8 D* --> 108Cd48 + 15N7 + 105.835 MeV [5.766 MeV] (A_Ag:191)
107Ag47 + 8 D* --> 112Sn50 + 11B5 + 96.677 MeV [-3.392 MeV] (A_Ag:192)

107Ag47 + 9 D* --> 64Ni28 + 61Ni28 + 161.140 MeV [47.092 MeV] (A_Ag:193)
107Ag47 + 9 D* --> 67Zn30 + 58Fe26 + 159.854 MeV [45.806 MeV] (A_Ag:194)
107Ag47 + 9 D* --> 68Zn30 + 57Fe26 + 160.007 MeV [45.959 MeV] (A_Ag:195)
107Ag47 + 9 D* --> 72Ge32 + 53Cr24 + 157.690 MeV [43.642 MeV] (A_Ag:196)
107Ag47 + 9 D* --> 73Ge32 + 52Cr24 + 156.534 MeV [42.486 MeV] (A_Ag:197)
107Ag47 + 9 D* --> 75As33 + 50V23 + 152.074 MeV [38.026 MeV] (A_Ag:198)
107Ag47 + 9 D* --> 76Se34 + 49Ti22 + 153.631 MeV [39.583 MeV] (A_Ag:199)
107Ag47 + 9 D* --> 77Se34 + 48Ti22 + 152.907 MeV [38.859 MeV] (A_Ag:200)
107Ag47 + 9 D* --> 78Se34 + 47Ti22 + 151.778 MeV [37.730 MeV] (A_Ag:201)
107Ag47 + 9 D* --> 82Kr36 + 43Ca20 + 148.818 MeV [34.770 MeV] (A_Ag:202)
107Ag47 + 9 D* --> 83Kr36 + 42Ca20 + 148.349 MeV [34.301 MeV] (A_Ag:203)
107Ag47 + 9 D* --> 85Rb37 + 40K19 + 145.522 MeV [31.474 MeV] (A_Ag:204)

107Ag47 + 9 D* --> 87Sr38 + 38Ar18 + 149.415 MeV [35.367 MeV] (A_Ag:205)
107Ag47 + 9 D* --> 91Zr40 + 34S16 + 147.642 MeV [33.594 MeV] (A_Ag:206)
107Ag47 + 9 D* --> 92Zr40 + 33S16 + 144.860 MeV [30.812 MeV] (A_Ag:207)
107Ag47 + 9 D* --> 95Mo42 + 30Si14 + 141.960 MeV [27.912 MeV] (A_Ag:208)
107Ag47 + 9 D* --> 96Mo42 + 29Si14 + 140.505 MeV [26.457 MeV] (A_Ag:209)
107Ag47 + 9 D* --> 97Mo42 + 28Si14 + 138.853 MeV [24.805 MeV] (A_Ag:210)
107Ag47 + 9 D* --> 99Ru44 + 26Mg12 + 133.651 MeV [19.603 MeV] (A_Ag:211)
107Ag47 + 9 D* --> 100Ru44 + 25Mg12 + 132.232 MeV [18.184 MeV] (A_Ag:212)
107Ag47 + 9 D* --> 101Ru44 + 24Mg12 + 131.703 MeV [17.655 MeV] (A_Ag:213)
107Ag47 + 9 D* --> 104Pd46 + 21Ne10 + 124.942 MeV [10.894 MeV] (A_Ag:214)
107Ag47 + 9 D* --> 105Pd46 + 20Ne10 + 125.275 MeV [11.227 MeV] (A_Ag:215)
107Ag47 + 9 D* --> 108Cd48 + 17O8 + 119.881 MeV [5.833 MeV] (A_Ag:216)
107Ag47 + 9 D* --> 112Sn50 + 13C6 + 115.356 MeV [1.308 MeV] (A_Ag:217)

107Ag47 + 10 D* --> 64Ni28 + 63Cu29 + 175.634 MeV [47.291 MeV] (A_Ag:218)
107Ag47 + 10 D* --> 65Cu29 + 62Ni28 + 176.965 MeV [48.622 MeV] (A_Ag:219)
107Ag47 + 10 D* --> 68Zn30 + 59Co27 + 175.191 MeV [46.848 MeV] (A_Ag:220)
107Ag47 + 10 D* --> 69Ga31 + 58Fe26 + 174.437 MeV [46.094 MeV] (A_Ag:221)
107Ag47 + 10 D* --> 71Ga31 + 56Fe26 + 173.701 MeV [45.358 MeV] (A_Ag:222)
107Ag47 + 10 D* --> 72Ge32 + 55Mn25 + 173.252 MeV [44.909 MeV] (A_Ag:223)
107Ag47 + 10 D* --> 75As33 + 52Cr24 + 171.405 MeV [43.062 MeV] (A_Ag:224)
107Ag47 + 10 D* --> 76Se34 + 51V23 + 170.409 MeV [42.066 MeV] (A_Ag:225)
107Ag47 + 10 D* --> 77Se34 + 50V23 + 166.777 MeV [38.434 MeV] (A_Ag:226)
107Ag47 + 10 D* --> 79Br35 + 48Ti22 + 167.512 MeV [39.169 MeV] (A_Ag:227)
107Ag47 + 10 D* --> 81Br35 + 46Ti22 + 165.054 MeV [36.711 MeV] (A_Ag:228)
107Ag47 + 10 D* --> 82Kr36 + 45Sc21 + 164.613 MeV [36.270 MeV] (A_Ag:229)
107Ag47 + 10 D* --> 85Rb37 + 42Ca20 + 163.670 MeV [35.327 MeV] (A_Ag:230)
107Ag47 + 10 D* --> 87Rb37 + 40Ca20 + 162.400 MeV [34.056 MeV] (A_Ag:231)
107Ag47 + 10 D* --> 86Sr38 + 41K19 + 163.038 MeV [34.695 MeV] (A_Ag:232)
107Ag47 + 10 D* --> 87Sr38 + 40K19 + 161.371 MeV [33.028 MeV] (A_Ag:233)
107Ag47 + 10 D* --> 88Sr38 + 39K19 + 164.684 MeV [36.341 MeV] (A_Ag:234)
107Ag47 + 10 D* --> 89Y39 + 38Ar18 + 165.372 MeV [37.029 MeV] (A_Ag:235)
107Ag47 + 10 D* --> 90Zr40 + 37Cl17 + 163.484 MeV [35.141 MeV] (A_Ag:236)
107Ag47 + 10 D* --> 92Zr40 + 35Cl17 + 160.423 MeV [32.080 MeV] (A_Ag:237)
107Ag47 + 10 D* --> 93Nb41 + 34S16 + 160.096 MeV [31.752 MeV] (A_Ag:238)
107Ag47 + 10 D* --> 96Mo42 + 31P15 + 156.187 MeV [27.844 MeV] (A_Ag:239)
107Ag47 + 10 D* --> 100Ru44 + 27Al13 + 149.371 MeV [21.028 MeV] (A_Ag:240)
107Ag47 + 10 D* --> 103Rh45 + 24Mg12 + 144.911 MeV [16.568 MeV] (A_Ag:241)
107Ag47 + 10 D* --> 104Pd46 + 23Na11 + 141.875 MeV [13.532 MeV] (A_Ag:242)
107Ag47 + 10 D* --> 107Ag47 + 20Ne10 + 138.399 MeV [10.056 MeV] (A_Ag:243)
107Ag47 + 10 D* --> 108Cd48 + 19F9 + 133.695 MeV [5.352 MeV] (A_Ag:244)
107Ag47 + 10 D* --> 112Sn50 + 15N7 + 131.515 MeV [3.172 MeV] (A_Ag:245)

107Ag47 + 11 D* --> 67Zn30 + 62Ni28 + 190.718 MeV [47.766 MeV] (A_Ag:246)
107Ag47 + 11 D* --> 68Zn30 + 61Ni28 + 190.319 MeV [47.367 MeV] (A_Ag:247)
107Ag47 + 11 D* --> 72Ge32 + 57Fe26 + 188.857 MeV [45.905 MeV] (A_Ag:248)
107Ag47 + 11 D* --> 73Ge32 + 56Fe26 + 187.994 MeV [45.042 MeV] (A_Ag:249)
107Ag47 + 11 D* --> 76Se34 + 53Cr24 + 186.628 MeV [43.676 MeV] (A_Ag:250)
107Ag47 + 11 D* --> 77Se34 + 52Cr24 + 186.108 MeV [43.156 MeV] (A_Ag:251)
107Ag47 + 11 D* --> 79Br35 + 50V23 + 181.381 MeV [38.429 MeV] (A_Ag:252)
107Ag47 + 11 D* --> 80Kr36 + 49Ti22 + 182.542 MeV [39.591 MeV] (A_Ag:253)
107Ag47 + 11 D* --> 82Kr36 + 47Ti22 + 181.613 MeV [38.661 MeV] (A_Ag:254)
107Ag47 + 11 D* --> 83Kr36 + 46Ti22 + 180.196 MeV [37.244 MeV] (A_Ag:255)
107Ag47 + 11 D* --> 86Sr38 + 43Ca20 + 179.023 MeV [36.071 MeV] (A_Ag:256)

107Ag47 + 11 D* --> 87Sr38 + 42Ca20 + 179.519 MeV [36.567 MeV] (A_Ag:257)
107Ag47 + 11 D* --> 89Y39 + 40K19 + 177.328 MeV [34.376 MeV] (A_Ag:258)
107Ag47 + 11 D* --> 91Zr40 + 38Ar18 + 178.696 MeV [35.744 MeV] (A_Ag:259)
107Ag47 + 11 D* --> 95Mo42 + 34S16 + 173.730 MeV [30.779 MeV] (A_Ag:260)
107Ag47 + 11 D* --> 96Mo42 + 33S16 + 171.468 MeV [28.516 MeV] (A_Ag:261)
107Ag47 + 11 D* --> 97Mo42 + 32S16 + 169.647 MeV [26.695 MeV] (A_Ag:262)
107Ag47 + 11 D* --> 99Ru44 + 30Si14 + 168.141 MeV [25.189 MeV] (A_Ag:263)
107Ag47 + 11 D* --> 100Ru44 + 29Si14 + 167.205 MeV [24.253 MeV] (A_Ag:264)
107Ag47 + 11 D* --> 101Ru44 + 28Si14 + 165.534 MeV [22.582 MeV] (A_Ag:265)
107Ag47 + 11 D* --> 104Pd46 + 25Mg12 + 158.674 MeV [15.722 MeV] (A_Ag:266)
107Ag47 + 11 D* --> 105Pd46 + 24Mg12 + 158.438 MeV [15.486 MeV] (A_Ag:267)
107Ag47 + 11 D* --> 108Cd48 + 21Ne10 + 151.075 MeV [8.123 MeV] (A_Ag:268)
107Ag47 + 11 D* --> 112Sn50 + 17O8 + 145.561 MeV [2.609 MeV] (A_Ag:269)

107Ag47 + 12 D* --> 66Zn30 + 65Cu29 + 205.390 MeV [47.518 MeV] (A_Ag:270)
107Ag47 + 12 D* --> 68Zn30 + 63Cu29 + 204.814 MeV [46.942 MeV] (A_Ag:271)
107Ag47 + 12 D* --> 69Ga31 + 62Ni28 + 205.301 MeV [47.429 MeV] (A_Ag:272)
107Ag47 + 12 D* --> 71Ga31 + 60Ni28 + 203.839 MeV [45.967 MeV] (A_Ag:273)
107Ag47 + 12 D* --> 72Ge32 + 59Co27 + 204.041 MeV [46.169 MeV] (A_Ag:274)
107Ag47 + 12 D* --> 75As33 + 56Fe26 + 202.865 MeV [44.993 MeV] (A_Ag:275)
107Ag47 + 12 D* --> 76Se34 + 55Mn25 + 202.190 MeV [44.318 MeV] (A_Ag:276)
107Ag47 + 12 D* --> 79Br35 + 52Cr24 + 200.712 MeV [42.841 MeV] (A_Ag:277)
107Ag47 + 12 D* --> 81Br35 + 50Cr24 + 197.461 MeV [39.589 MeV] (A_Ag:278)
107Ag47 + 12 D* --> 80Kr36 + 51V23 + 199.321 MeV [41.449 MeV] (A_Ag:279)
107Ag47 + 12 D* --> 85Rb37 + 46Ti22 + 195.518 MeV [37.646 MeV] (A_Ag:280)
107Ag47 + 12 D* --> 86Sr38 + 45Sc21 + 194.818 MeV [36.946 MeV] (A_Ag:281)
107Ag47 + 12 D* --> 89Y39 + 42Ca20 + 195.476 MeV [37.604 MeV] (A_Ag:282)
107Ag47 + 12 D* --> 90Zr40 + 41K19 + 193.553 MeV [35.681 MeV] (A_Ag:283)
107Ag47 + 12 D* --> 91Zr40 + 40K19 + 190.653 MeV [32.781 MeV] (A_Ag:284)
107Ag47 + 12 D* --> 92Zr40 + 39K19 + 191.488 MeV [33.616 MeV] (A_Ag:285)
107Ag47 + 12 D* --> 93Nb41 + 38Ar18 + 191.150 MeV [33.278 MeV] (A_Ag:286)
107Ag47 + 12 D* --> 94Mo42 + 37Cl17 + 189.398 MeV [31.526 MeV] (A_Ag:287)
107Ag47 + 12 D* --> 96Mo42 + 35Cl17 + 187.031 MeV [29.159 MeV] (A_Ag:288)
107Ag47 + 12 D* --> 100Ru44 + 31P15 + 182.887 MeV [25.015 MeV] (A_Ag:289)
107Ag47 + 12 D* --> 103Rh45 + 28Si14 + 178.742 MeV [20.870 MeV] (A_Ag:290)
107Ag47 + 12 D* --> 104Pd46 + 27Al13 + 175.814 MeV [17.942 MeV] (A_Ag:291)
107Ag47 + 12 D* --> 107Ag47 + 24Mg12 + 171.562 MeV [13.690 MeV] (A_Ag:292)
107Ag47 + 12 D* --> 108Cd48 + 23Na11 + 168.009 MeV [10.137 MeV] (A_Ag:293)
107Ag47 + 12 D* --> 112Sn50 + 19F9 + 159.376 MeV [1.504 MeV] (A_Ag:294)

109Ag47 + D* --> 82Se34 + 29Si14 + 23.902 MeV [12.636 MeV] (A_Ag:295)
109Ag47 + D* --> 86Kr36 + 25Mg12 + 20.871 MeV [9.605 MeV] (A_Ag:296)
109Ag47 + D* --> 94Zr40 + 17O8 + 12.489 MeV [1.223 MeV] (A_Ag:297)
109Ag47 + D* --> 98Mo42 + 13C6 + 9.400 MeV [-1.866 MeV] (A_Ag:298)
109Ag47 + D* --> 102Ru44 + 9Be4 + 2.163 MeV [-9.103 MeV] (A_Ag:299)
109Ag47 + D* --> 111Cd48 + 13.671 MeV [2.404 MeV] (A_Ag:300)

109Ag47 + 2 D* --> 65Cu29 + 48Ca20 + 49.027 MeV [26.151 MeV] (A_Ag:301)
109Ag47 + 2 D* --> 76Ge32 + 37Cl17 + 42.523 MeV [19.648 MeV] (A_Ag:302)
109Ag47 + 2 D* --> 82Se34 + 31P15 + 39.584 MeV [16.709 MeV] (A_Ag:303)
109Ag47 + 2 D* --> 86Kr36 + 27Al13 + 38.011 MeV [15.136 MeV] (A_Ag:304)
109Ag47 + 2 D* --> 87Rb37 + 26Mg12 + 38.361 MeV [15.486 MeV] (A_Ag:305)
109Ag47 + 2 D* --> 94Zr40 + 19F9 + 26.303 MeV [3.428 MeV] (A_Ag:306)
109Ag47 + 2 D* --> 98Mo42 + 15N7 + 25.559 MeV [2.684 MeV] (A_Ag:307)

109Ag47 + 2 D* --> 102Ru44 + 11B5 + 17.979 MeV [-4.896 MeV] (A_Ag:308)
109Ag47 + 2 D* --> 106Pd46 + 7Li3 + 12.543 MeV [-10.332 MeV] (A_Ag:309)
109Ag47 + 2 D* --> 109Ag47 + 4He2 + 23.847 MeV [00.971 MeV] (A_Ag:310)
109Ag47 + 2 D* --> 111Cd48 + 2H1 + 13.671 MeV [-9.205 MeV] (A_Ag:311)
109Ag47 + 2 D* --> 112Cd48 + 1H1 + 20.840 MeV [-2.035 MeV] (A_Ag:312)
109Ag47 + 2 D* --> 113In49 + 26.918 MeV [4.043 MeV] (A_Ag:313)

109Ag47 + 3 D* --> 67Zn30 + 48Ca20 + 62.779 MeV [27.956 MeV] (A_Ag:314)
109Ag47 + 3 D* --> 82Se34 + 33S16 + 54.865 MeV [20.041 MeV] (A_Ag:315)
109Ag47 + 3 D* --> 86Kr36 + 29Si14 + 55.845 MeV [21.022 MeV] (A_Ag:316)
109Ag47 + 3 D* --> 94Zr40 + 21Ne10 + 43.683 MeV [8.860 MeV] (A_Ag:317)
109Ag47 + 3 D* --> 97Mo42 + 18O8 + 39.006 MeV [4.183 MeV] (A_Ag:318)
109Ag47 + 3 D* --> 98Mo42 + 17O8 + 39.605 MeV [4.782 MeV] (A_Ag:319)
109Ag47 + 3 D* --> 102Ru44 + 13C6 + 36.658 MeV [1.834 MeV] (A_Ag:320)
109Ag47 + 3 D* --> 106Pd46 + 9Be4 + 29.239 MeV [-5.584 MeV] (A_Ag:321)
109Ag47 + 3 D* --> 109Ag47 + 6Li3 + 25.320 MeV [-9.503 MeV] (A_Ag:322)
109Ag47 + 3 D* --> 111Cd48 + 4He2 + 37.517 MeV [2.694 MeV] (A_Ag:323)
109Ag47 + 3 D* --> 112Cd48 + 3He2 + 26.334 MeV [-8.490 MeV] (A_Ag:324)
109Ag47 + 3 D* --> 113In49 + 2H1 + 26.918 MeV [-7.905 MeV] (A_Ag:325)
109Ag47 + 3 D* --> 115Sn50 + 40.720 MeV [5.897 MeV] (A_Ag:326)

109Ag47 + 4 D* --> 69Ga31 + 48Ca20 + 77.362 MeV [30.255 MeV] (A_Ag:327)
109Ag47 + 4 D* --> 71Ga31 + 46Ca20 + 77.096 MeV [29.988 MeV] (A_Ag:328)
109Ag47 + 4 D* --> 76Ge32 + 41K19 + 72.592 MeV [25.485 MeV] (A_Ag:329)
109Ag47 + 4 D* --> 80Se34 + 37Cl17 + 73.342 MeV [26.234 MeV] (A_Ag:330)
109Ag47 + 4 D* --> 82Se34 + 35Cl17 + 70.428 MeV [23.321 MeV] (A_Ag:331)
109Ag47 + 4 D* --> 81Br35 + 36S16 + 72.459 MeV [25.352 MeV] (A_Ag:332)
109Ag47 + 4 D* --> 86Kr36 + 31P15 + 71.527 MeV [24.419 MeV] (A_Ag:333)
109Ag47 + 4 D* --> 87Rb37 + 30Si14 + 72.851 MeV [25.744 MeV] (A_Ag:334)
109Ag47 + 4 D* --> 94Zr40 + 23Na11 + 60.617 MeV [13.510 MeV] (A_Ag:335)
109Ag47 + 4 D* --> 98Mo42 + 19F9 + 53.419 MeV [6.312 MeV] (A_Ag:336)
109Ag47 + 4 D* --> 102Ru44 + 15N7 + 52.817 MeV [5.710 MeV] (A_Ag:337)
109Ag47 + 4 D* --> 106Pd46 + 11B5 + 45.055 MeV [-2.052 MeV] (A_Ag:338)
109Ag47 + 4 D* --> 110Cd48 + 7Li3 + 39.265 MeV [-7.842 MeV] (A_Ag:339)
109Ag47 + 4 D* --> 111Cd48 + 6Li3 + 38.991 MeV [-8.116 MeV] (A_Ag:340)
109Ag47 + 4 D* --> 113In49 + 4He2 + 50.765 MeV [3.658 MeV] (A_Ag:341)
109Ag47 + 4 D* --> 115Sn50 + 2H1 + 40.720 MeV [-6.387 MeV] (A_Ag:342)
109Ag47 + 4 D* --> 116Sn50 + 1H1 + 48.059 MeV [00.952 MeV] (A_Ag:343)

109Ag47 + 5 D* --> 70Zn30 + 49Ti22 + 95.079 MeV [35.356 MeV] (A_Ag:344)
109Ag47 + 5 D* --> 73Ge32 + 46Ca20 + 91.389 MeV [31.665 MeV] (A_Ag:345)
109Ag47 + 5 D* --> 76Ge32 + 43Ca20 + 88.578 MeV [28.854 MeV] (A_Ag:346)
109Ag47 + 5 D* --> 83Kr36 + 36S16 + 87.602 MeV [27.878 MeV] (A_Ag:347)
109Ag47 + 5 D* --> 86Kr36 + 33S16 + 86.808 MeV [27.084 MeV] (A_Ag:348)
109Ag47 + 5 D* --> 94Zr40 + 25Mg12 + 77.416 MeV [17.692 MeV] (A_Ag:349)
109Ag47 + 5 D* --> 97Mo42 + 22Ne10 + 72.521 MeV [12.798 MeV] (A_Ag:350)
109Ag47 + 5 D* --> 98Mo42 + 21Ne10 + 70.799 MeV [11.076 MeV] (A_Ag:351)
109Ag47 + 5 D* --> 101Ru44 + 18O8 + 65.687 MeV [5.964 MeV] (A_Ag:352)
109Ag47 + 5 D* --> 102Ru44 + 17O8 + 66.863 MeV [7.140 MeV] (A_Ag:353)
109Ag47 + 5 D* --> 106Pd46 + 13C6 + 63.733 MeV [4.010 MeV] (A_Ag:354)
109Ag47 + 5 D* --> 109Ag47 + 10B5 + 53.628 MeV [-6.095 MeV] (A_Ag:355)
109Ag47 + 5 D* --> 110Cd48 + 9Be4 + 55.961 MeV [-3.762 MeV] (A_Ag:356)
109Ag47 + 5 D* --> 113In49 + 6Li3 + 52.239 MeV [-7.485 MeV] (A_Ag:357)
109Ag47 + 5 D* --> 115Sn50 + 4He2 + 64.567 MeV [4.844 MeV] (A_Ag:358)

109Ag47 + 5 D* --> 116Sn50 + 3He2 + 53.553 MeV [-6.170 MeV] (A_Ag:359)

109Ag47 + 6 D* --> 70Zn30 + 51V23 + 111.858 MeV [39.189 MeV] (A_Ag:360)
109Ag47 + 6 D* --> 71Ga31 + 50Ti22 + 111.659 MeV [38.990 MeV] (A_Ag:361)
109Ag47 + 6 D* --> 76Ge32 + 45Sc21 + 104.373 MeV [31.704 MeV] (A_Ag:362)
109Ag47 + 6 D* --> 75As33 + 46Ca20 + 106.259 MeV [33.591 MeV] (A_Ag:363)
109Ag47 + 6 D* --> 80Se34 + 41K19 + 103.411 MeV [30.742 MeV] (A_Ag:364)
109Ag47 + 6 D* --> 82Se34 + 39K19 + 101.493 MeV [28.824 MeV] (A_Ag:365)
109Ag47 + 6 D* --> 81Br35 + 40Ar18 + 103.106 MeV [30.438 MeV] (A_Ag:366)
109Ag47 + 6 D* --> 84Kr36 + 37Cl17 + 104.284 MeV [31.616 MeV] (A_Ag:367)
109Ag47 + 6 D* --> 86Kr36 + 35Cl17 + 102.371 MeV [29.702 MeV] (A_Ag:368)
109Ag47 + 6 D* --> 85Rb37 + 36S16 + 102.923 MeV [30.255 MeV] (A_Ag:369)
109Ag47 + 6 D* --> 87Rb37 + 34S16 + 104.621 MeV [31.953 MeV] (A_Ag:370)
109Ag47 + 6 D* --> 94Zr40 + 27Al13 + 94.555 MeV [21.887 MeV] (A_Ag:371)
109Ag47 + 6 D* --> 98Mo42 + 23Na11 + 87.733 MeV [15.065 MeV] (A_Ag:372)
109Ag47 + 6 D* --> 102Ru44 + 19F9 + 80.677 MeV [8.009 MeV] (A_Ag:373)
109Ag47 + 6 D* --> 103Rh45 + 18O8 + 78.895 MeV [6.227 MeV] (A_Ag:374)
109Ag47 + 6 D* --> 106Pd46 + 15N7 + 79.893 MeV [7.224 MeV] (A_Ag:375)
109Ag47 + 6 D* --> 109Ag47 + 12C6 + 78.814 MeV [6.146 MeV] (A_Ag:376)
109Ag47 + 6 D* --> 110Cd48 + 11B5 + 71.777 MeV [-0.892 MeV] (A_Ag:377)
109Ag47 + 6 D* --> 111Cd48 + 10B5 + 67.298 MeV [-5.370 MeV] (A_Ag:378)
109Ag47 + 6 D* --> 114Sn50 + 7Li3 + 65.744 MeV [-6.924 MeV] (A_Ag:379)
109Ag47 + 6 D* --> 115Sn50 + 6Li3 + 66.041 MeV [-6.627 MeV] (A_Ag:380)
109Ag47 + 6 D* --> 120Te52 + 1H1 + 72.207 MeV [-0.461 MeV] (A_Ag:381)

109Ag47 + 7 D* --> 70Zn30 + 53Cr24 + 128.077 MeV [42.138 MeV] (A_Ag:382)
109Ag47 + 7 D* --> 73Ge32 + 50Ti22 + 125.952 MeV [40.012 MeV] (A_Ag:383)
109Ag47 + 7 D* --> 74Ge32 + 49Ti22 + 125.209 MeV [39.269 MeV] (A_Ag:384)
109Ag47 + 7 D* --> 76Ge32 + 47Ti22 + 121.373 MeV [35.434 MeV] (A_Ag:385)
109Ag47 + 7 D* --> 77Se34 + 46Ca20 + 120.962 MeV [35.023 MeV] (A_Ag:386)
109Ag47 + 7 D* --> 80Se34 + 43Ca20 + 119.396 MeV [33.457 MeV] (A_Ag:387)
109Ag47 + 7 D* --> 83Kr36 + 40Ar18 + 118.249 MeV [32.310 MeV] (A_Ag:388)
109Ag47 + 7 D* --> 87Sr38 + 36S16 + 118.772 MeV [32.833 MeV] (A_Ag:389)
109Ag47 + 7 D* --> 94Zr40 + 29Si14 + 112.389 MeV [26.450 MeV] (A_Ag:390)
109Ag47 + 7 D* --> 97Mo42 + 26Mg12 + 106.982 MeV [21.043 MeV] (A_Ag:391)
109Ag47 + 7 D* --> 98Mo42 + 25Mg12 + 104.532 MeV [18.593 MeV] (A_Ag:392)
109Ag47 + 7 D* --> 101Ru44 + 22Ne10 + 99.202 MeV [13.263 MeV] (A_Ag:393)
109Ag47 + 7 D* --> 102Ru44 + 21Ne10 + 98.057 MeV [12.118 MeV] (A_Ag:394)
109Ag47 + 7 D* --> 105Pd46 + 18O8 + 92.422 MeV [6.483 MeV] (A_Ag:395)
109Ag47 + 7 D* --> 106Pd46 + 17O8 + 93.939 MeV [7.999 MeV] (A_Ag:396)
109Ag47 + 7 D* --> 109Ag47 + 14N7 + 89.087 MeV [3.147 MeV] (A_Ag:397)
109Ag47 + 7 D* --> 110Cd48 + 13C6 + 90.455 MeV [4.516 MeV] (A_Ag:398)
109Ag47 + 7 D* --> 111Cd48 + 12C6 + 92.485 MeV [6.546 MeV] (A_Ag:399)
109Ag47 + 7 D* --> 113In49 + 10B5 + 80.546 MeV [-5.393 MeV] (A_Ag:400)
109Ag47 + 7 D* --> 114Sn50 + 9Be4 + 82.441 MeV [-3.499 MeV] (A_Ag:401)
109Ag47 + 7 D* --> 120Te52 + 3He2 + 77.701 MeV [-8.238 MeV] (A_Ag:402)

109Ag47 + 8 D* --> 70Zn30 + 55Mn25 + 143.638 MeV [44.106 MeV] (A_Ag:403)
109Ag47 + 8 D* --> 71Ga31 + 54Cr24 + 143.436 MeV [43.903 MeV] (A_Ag:404)
109Ag47 + 8 D* --> 74Ge32 + 51V23 + 141.987 MeV [42.454 MeV] (A_Ag:405)
109Ag47 + 8 D* --> 75As33 + 50Ti22 + 140.822 MeV [41.289 MeV] (A_Ag:406)
109Ag47 + 8 D* --> 80Se34 + 45Sc21 + 135.191 MeV [35.658 MeV] (A_Ag:407)
109Ag47 + 8 D* --> 79Br35 + 46Ca20 + 135.567 MeV [36.034 MeV] (A_Ag:408)
109Ag47 + 8 D* --> 81Br35 + 44Ca20 + 135.806 MeV [36.274 MeV] (A_Ag:409)

109Ag47 + 8 D* --> 84Kr36 + 41K19 + 134.353 MeV [34.820 MeV] (A_Ag:410)
109Ag47 + 8 D* --> 86Kr36 + 39K19 + 133.436 MeV [33.903 MeV] (A_Ag:411)
109Ag47 + 8 D* --> 85Rb37 + 40Ar18 + 133.570 MeV [34.038 MeV] (A_Ag:412)
109Ag47 + 8 D* --> 87Rb37 + 38Ar18 + 135.675 MeV [36.143 MeV] (A_Ag:413)
109Ag47 + 8 D* --> 88Sr38 + 37Cl17 + 136.046 MeV [36.514 MeV] (A_Ag:414)
109Ag47 + 8 D* --> 89Y39 + 36S16 + 134.729 MeV [35.196 MeV] (A_Ag:415)
109Ag47 + 8 D* --> 94Zr40 + 31P15 + 128.071 MeV [28.538 MeV] (A_Ag:416)
109Ag47 + 8 D* --> 98Mo42 + 27Al13 + 121.671 MeV [22.139 MeV] (A_Ag:417)
109Ag47 + 8 D* --> 102Ru44 + 23Na11 + 114.991 MeV [15.458 MeV] (A_Ag:418)
109Ag47 + 8 D* --> 103Rh45 + 22Ne10 + 112.410 MeV [12.877 MeV] (A_Ag:419)
109Ag47 + 8 D* --> 106Pd46 + 19F9 + 107.753 MeV [8.220 MeV] (A_Ag:420)
109Ag47 + 8 D* --> 107Ag47 + 18O8 + 105.546 MeV [6.014 MeV] (A_Ag:421)
109Ag47 + 8 D* --> 109Ag47 + 16O8 + 109.823 MeV [10.290 MeV] (A_Ag:422)
109Ag47 + 8 D* --> 110Cd48 + 15N7 + 106.615 MeV [7.082 MeV] (A_Ag:423)
109Ag47 + 8 D* --> 111Cd48 + 14N7 + 102.757 MeV [3.224 MeV] (A_Ag:424)
109Ag47 + 8 D* --> 113In49 + 12C6 + 105.733 MeV [6.200 MeV] (A_Ag:425)
109Ag47 + 8 D* --> 114Sn50 + 11B5 + 98.256 MeV [-1.277 MeV] (A_Ag:426)
109Ag47 + 8 D* --> 115Sn50 + 10B5 + 94.348 MeV [-5.184 MeV] (A_Ag:427)
109Ag47 + 8 D* --> 124Xe54 + 1H1 + 96.734 MeV [-2.799 MeV] (A_Ag:428)

109Ag47 + 9 D* --> 70Zn30 + 57Fe26 + 159.244 MeV [45.797 MeV] (A_Ag:429)
109Ag47 + 9 D* --> 73Ge32 + 54Cr24 + 157.729 MeV [44.283 MeV] (A_Ag:430)
109Ag47 + 9 D* --> 74Ge32 + 53Cr24 + 158.206 MeV [44.760 MeV] (A_Ag:431)
109Ag47 + 9 D* --> 77Se34 + 50Ti22 + 155.525 MeV [42.079 MeV] (A_Ag:432)
109Ag47 + 9 D* --> 78Se34 + 49Ti22 + 155.084 MeV [41.638 MeV] (A_Ag:433)
109Ag47 + 9 D* --> 80Se34 + 47Ti22 + 152.191 MeV [38.745 MeV] (A_Ag:434)
109Ag47 + 9 D* --> 83Kr36 + 44Ca20 + 150.949 MeV [37.503 MeV] (A_Ag:435)
109Ag47 + 9 D* --> 84Kr36 + 43Ca20 + 150.338 MeV [36.892 MeV] (A_Ag:436)
109Ag47 + 9 D* --> 87Rb37 + 40K19 + 147.632 MeV [34.186 MeV] (A_Ag:437)
109Ag47 + 9 D* --> 87Sr38 + 40Ar18 + 149.419 MeV [35.973 MeV] (A_Ag:438)
109Ag47 + 9 D* --> 91Zr40 + 36S16 + 148.053 MeV [34.607 MeV] (A_Ag:439)
109Ag47 + 9 D* --> 94Zr40 + 33S16 + 143.352 MeV [29.906 MeV] (A_Ag:440)
109Ag47 + 9 D* --> 97Mo42 + 30Si14 + 141.472 MeV [28.026 MeV] (A_Ag:441)
109Ag47 + 9 D* --> 98Mo42 + 29Si14 + 139.506 MeV [26.059 MeV] (A_Ag:442)
109Ag47 + 9 D* --> 101Ru44 + 26Mg12 + 133.663 MeV [20.217 MeV] (A_Ag:443)
109Ag47 + 9 D* --> 102Ru44 + 25Mg12 + 131.790 MeV [18.344 MeV] (A_Ag:444)
109Ag47 + 9 D* --> 105Pd46 + 22Ne10 + 125.936 MeV [12.490 MeV] (A_Ag:445)
109Ag47 + 9 D* --> 106Pd46 + 21Ne10 + 125.133 MeV [11.687 MeV] (A_Ag:446)
109Ag47 + 9 D* --> 110Cd48 + 17O8 + 120.661 MeV [7.214 MeV] (A_Ag:447)
109Ag47 + 9 D* --> 111Cd48 + 16O8 + 123.493 MeV [10.047 MeV] (A_Ag:448)
109Ag47 + 9 D* --> 113In49 + 14N7 + 116.005 MeV [2.559 MeV] (A_Ag:449)
109Ag47 + 9 D* --> 114Sn50 + 13C6 + 116.935 MeV [3.489 MeV] (A_Ag:450)
109Ag47 + 9 D* --> 115Sn50 + 12C6 + 119.535 MeV [6.089 MeV] (A_Ag:451)
109Ag47 + 9 D* --> 124Xe54 + 3He2 + 102.228 MeV [-11.218 MeV] (A_Ag:452)

109Ag47 + 10 D* --> 65Cu29 + 64Ni28 + 176.997 MeV [49.321 MeV] (A_Ag:453)
109Ag47 + 10 D* --> 70Zn30 + 59Co27 + 174.428 MeV [46.751 MeV] (A_Ag:454)
109Ag47 + 10 D* --> 71Ga31 + 58Fe26 + 174.928 MeV [47.252 MeV] (A_Ag:455)
109Ag47 + 10 D* --> 74Ge32 + 55Mn25 + 173.768 MeV [46.091 MeV] (A_Ag:456)
109Ag47 + 10 D* --> 75As33 + 54Cr24 + 172.600 MeV [44.923 MeV] (A_Ag:457)
109Ag47 + 10 D* --> 78Se34 + 51V23 + 171.862 MeV [44.186 MeV] (A_Ag:458)
109Ag47 + 10 D* --> 79Br35 + 50Ti22 + 170.130 MeV [42.453 MeV] (A_Ag:459)
109Ag47 + 10 D* --> 81Br35 + 48Ti22 + 169.097 MeV [41.421 MeV] (A_Ag:460)
109Ag47 + 10 D* --> 84Kr36 + 45Sc21 + 166.133 MeV [38.457 MeV] (A_Ag:461)

109Ag47 + 10 D* --> 85Rb37 + 44Ca20 + 166.270 MeV [38.594 MeV] (A_Ag:462)
109Ag47 + 10 D* --> 87Rb37 + 42Ca20 + 165.779 MeV [38.103 MeV] (A_Ag:463)
109Ag47 + 10 D* --> 88Sr38 + 41K19 + 166.115 MeV [38.439 MeV] (A_Ag:464)
109Ag47 + 10 D* --> 89Y39 + 40Ar18 + 165.376 MeV [37.700 MeV] (A_Ag:465)
109Ag47 + 10 D* --> 92Zr40 + 37Cl17 + 162.850 MeV [35.174 MeV] (A_Ag:466)
109Ag47 + 10 D* --> 94Zr40 + 35Cl17 + 158.915 MeV [31.239 MeV] (A_Ag:467)
109Ag47 + 10 D* --> 93Nb41 + 36S16 + 160.507 MeV [32.831 MeV] (A_Ag:468)
109Ag47 + 10 D* --> 98Mo42 + 31P15 + 155.187 MeV [27.511 MeV] (A_Ag:469)
109Ag47 + 10 D* --> 102Ru44 + 27Al13 + 148.929 MeV [21.253 MeV] (A_Ag:470)
109Ag47 + 10 D* --> 103Rh45 + 26Mg12 + 146.871 MeV [19.195 MeV] (A_Ag:471)
109Ag47 + 10 D* --> 106Pd46 + 23Na11 + 142.067 MeV [14.390 MeV] (A_Ag:472)
109Ag47 + 10 D* --> 107Ag47 + 22Ne10 + 139.061 MeV [11.385 MeV] (A_Ag:473)
109Ag47 + 10 D* --> 109Ag47 + 20Ne10 + 138.399 MeV [10.723 MeV] (A_Ag:474)
109Ag47 + 10 D* --> 110Cd48 + 19F9 + 134.475 MeV [6.799 MeV] (A_Ag:475)
109Ag47 + 10 D* --> 113In49 + 16O8 + 136.741 MeV [9.065 MeV] (A_Ag:476)
109Ag47 + 10 D* --> 114Sn50 + 15N7 + 133.094 MeV [5.418 MeV] (A_Ag:477)
109Ag47 + 10 D* --> 115Sn50 + 14N7 + 129.807 MeV [2.131 MeV] (A_Ag:478)

109Ag47 + 11 D* --> 67Zn30 + 64Ni28 + 190.750 MeV [48.529 MeV] (A_Ag:479)
109Ag47 + 11 D* --> 70Zn30 + 61Ni28 + 189.556 MeV [47.335 MeV] (A_Ag:480)
109Ag47 + 11 D* --> 73Ge32 + 58Fe26 + 189.221 MeV [47.000 MeV] (A_Ag:481)
109Ag47 + 11 D* --> 74Ge32 + 57Fe26 + 189.373 MeV [47.152 MeV] (A_Ag:482)
109Ag47 + 11 D* --> 77Se34 + 54Cr24 + 187.302 MeV [45.082 MeV] (A_Ag:483)
109Ag47 + 11 D* --> 78Se34 + 53Cr24 + 188.081 MeV [45.860 MeV] (A_Ag:484)
109Ag47 + 11 D* --> 81Br35 + 50V23 + 182.967 MeV [40.746 MeV] (A_Ag:485)
109Ag47 + 11 D* --> 82Kr36 + 49Ti22 + 184.919 MeV [42.698 MeV] (A_Ag:486)
109Ag47 + 11 D* --> 83Kr36 + 48Ti22 + 184.240 MeV [42.019 MeV] (A_Ag:487)
109Ag47 + 11 D* --> 84Kr36 + 47Ti22 + 183.134 MeV [40.913 MeV] (A_Ag:488)
109Ag47 + 11 D* --> 87Sr38 + 44Ca20 + 182.119 MeV [39.898 MeV] (A_Ag:489)
109Ag47 + 11 D* --> 88Sr38 + 43Ca20 + 182.101 MeV [39.880 MeV] (A_Ag:490)
109Ag47 + 11 D* --> 91Zr40 + 40Ar18 + 178.701 MeV [36.480 MeV] (A_Ag:491)
109Ag47 + 11 D* --> 95Mo42 + 36S16 + 174.142 MeV [31.921 MeV] (A_Ag:492)
109Ag47 + 11 D* --> 97Mo42 + 34S16 + 173.243 MeV [31.022 MeV] (A_Ag:493)
109Ag47 + 11 D* --> 98Mo42 + 33S16 + 170.468 MeV [28.247 MeV] (A_Ag:494)
109Ag47 + 11 D* --> 101Ru44 + 30Si14 + 168.153 MeV [25.932 MeV] (A_Ag:495)
109Ag47 + 11 D* --> 102Ru44 + 29Si14 + 166.763 MeV [24.543 MeV] (A_Ag:496)
109Ag47 + 11 D* --> 105Pd46 + 26Mg12 + 160.398 MeV [18.177 MeV] (A_Ag:497)
109Ag47 + 11 D* --> 106Pd46 + 25Mg12 + 158.866 MeV [16.645 MeV] (A_Ag:498)
109Ag47 + 11 D* --> 110Cd48 + 21Ne10 + 151.855 MeV [9.634 MeV] (A_Ag:499)
109Ag47 + 11 D* --> 111Cd48 + 20Ne10 + 152.070 MeV [9.849 MeV] (A_Ag:500)
109Ag47 + 11 D* --> 114Sn50 + 17O8 + 147.140 MeV [4.919 MeV] (A_Ag:501)
109Ag47 + 11 D* --> 115Sn50 + 16O8 + 150.543 MeV [8.323 MeV] (A_Ag:502)

109Ag47 + 12 D* --> 68Zn30 + 65Cu29 + 206.177 MeV [49.100 MeV] (A_Ag:503)
109Ag47 + 12 D* --> 70Zn30 + 63Cu29 + 204.050 MeV [46.974 MeV] (A_Ag:504)
109Ag47 + 12 D* --> 69Ga31 + 64Ni28 + 205.333 MeV [48.257 MeV] (A_Ag:505)
109Ag47 + 12 D* --> 71Ga31 + 62Ni28 + 205.792 MeV [48.716 MeV] (A_Ag:506)
109Ag47 + 12 D* --> 74Ge32 + 59Co27 + 204.557 MeV [47.480 MeV] (A_Ag:507)
109Ag47 + 12 D* --> 75As33 + 58Fe26 + 204.092 MeV [47.015 MeV] (A_Ag:508)
109Ag47 + 12 D* --> 78Se34 + 55Mn25 + 203.643 MeV [46.566 MeV] (A_Ag:509)
109Ag47 + 12 D* --> 79Br35 + 54Cr24 + 201.907 MeV [44.831 MeV] (A_Ag:510)
109Ag47 + 12 D* --> 81Br35 + 52Cr24 + 202.298 MeV [45.221 MeV] (A_Ag:511)
109Ag47 + 12 D* --> 82Kr36 + 51V23 + 201.697 MeV [44.620 MeV] (A_Ag:512)
109Ag47 + 12 D* --> 83Kr36 + 50V23 + 198.109 MeV [41.033 MeV] (A_Ag:513)

109Ag47 + 12 D* --> 85Rb37 + 48Ti22 + 199.561 MeV [42.485 MeV] (A_Ag:514)
109Ag47 + 12 D* --> 87Rb37 + 46Ti22 + 197.627 MeV [40.551 MeV] (A_Ag:515)
109Ag47 + 12 D* --> 88Sr38 + 45Sc21 + 197.896 MeV [40.819 MeV] (A_Ag:516)
109Ag47 + 12 D* --> 89Y39 + 44Ca20 + 198.076 MeV [41.000 MeV] (A_Ag:517)
109Ag47 + 12 D* --> 92Zr40 + 41K19 + 192.919 MeV [35.842 MeV] (A_Ag:518)
109Ag47 + 12 D* --> 94Zr40 + 39K19 + 189.980 MeV [32.903 MeV] (A_Ag:519)
109Ag47 + 12 D* --> 93Nb41 + 40Ar18 + 191.154 MeV [34.078 MeV] (A_Ag:520)
109Ag47 + 12 D* --> 96Mo42 + 37Cl17 + 189.458 MeV [32.382 MeV] (A_Ag:521)
109Ag47 + 12 D* --> 98Mo42 + 35Cl17 + 186.031 MeV [28.955 MeV] (A_Ag:522)
109Ag47 + 12 D* --> 102Ru44 + 31P15 + 182.445 MeV [25.368 MeV] (A_Ag:523)
109Ag47 + 12 D* --> 103Rh45 + 30Si14 + 181.361 MeV [24.285 MeV] (A_Ag:524)
109Ag47 + 12 D* --> 106Pd46 + 27Al13 + 176.005 MeV [18.929 MeV] (A_Ag:525)
109Ag47 + 12 D* --> 107Ag47 + 26Mg12 + 173.522 MeV [16.446 MeV] (A_Ag:526)
109Ag47 + 12 D* --> 109Ag47 + 24Mg12 + 171.562 MeV [14.486 MeV] (A_Ag:527)
109Ag47 + 12 D* --> 110Cd48 + 23Na11 + 168.789 MeV [11.712 MeV] (A_Ag:528)
109Ag47 + 12 D* --> 113In49 + 20Ne10 + 165.318 MeV [8.241 MeV] (A_Ag:529)
109Ag47 + 12 D* --> 114Sn50 + 19F9 + 160.954 MeV [3.878 MeV] (A_Ag:530)

---------- Equations follow for Cadmium, Cd, element 48 ----------

106Cd48 + D* --> 55Mn25 + 53Cr24 + 38.999 MeV [27.387 MeV] (A_Cd:1)
106Cd48 + D* --> 57Fe26 + 51V23 + 38.385 MeV [26.773 MeV] (A_Cd:2)
106Cd48 + D* --> 58Fe26 + 50V23 + 37.378 MeV [25.767 MeV] (A_Cd:3)
106Cd48 + D* --> 59Co27 + 49Ti22 + 36.790 MeV [25.179 MeV] (A_Cd:4)
106Cd48 + D* --> 65Cu29 + 43Ca20 + 31.676 MeV [20.064 MeV] (A_Cd:5)
106Cd48 + D* --> 67Zn30 + 41K19 + 29.443 MeV [17.831 MeV] (A_Cd:6)
106Cd48 + D* --> 68Zn30 + 40K19 + 29.546 MeV [17.934 MeV] (A_Cd:7)
106Cd48 + D* --> 73Ge32 + 35Cl17 + 26.314 MeV [14.703 MeV] (A_Cd:8)
106Cd48 + D* --> 75As33 + 33S16 + 25.622 MeV [14.010 MeV] (A_Cd:9)
106Cd48 + D* --> 77Se34 + 31P15 + 25.044 MeV [13.432 MeV] (A_Cd:10)
106Cd48 + D* --> 79Br35 + 29Si14 + 23.967 MeV [12.355 MeV] (A_Cd:11)
106Cd48 + D* --> 94Mo42 + 14N7 + 11.550 MeV [-0.062 MeV] (A_Cd:12)
106Cd48 + D* --> 98Ru44 + 10B5 + 2.177 MeV [-9.434 MeV] (A_Cd:13)

106Cd48 + 2 D* --> 55Mn25 + 55Mn25 + 54.560 MeV [30.998 MeV] (A_Cd:14)
106Cd48 + 2 D* --> 56Fe26 + 54Cr24 + 56.677 MeV [33.115 MeV] (A_Cd:15)
106Cd48 + 2 D* --> 57Fe26 + 53Cr24 + 54.604 MeV [31.042 MeV] (A_Cd:16)
106Cd48 + 2 D* --> 58Fe26 + 52Cr24 + 56.709 MeV [33.147 MeV] (A_Cd:17)
106Cd48 + 2 D* --> 59Co27 + 51V23 + 53.569 MeV [30.007 MeV] (A_Cd:18)
106Cd48 + 2 D* --> 60Ni28 + 50Ti22 + 55.038 MeV [31.476 MeV] (A_Cd:19)
106Cd48 + 2 D* --> 61Ni28 + 49Ti22 + 51.919 MeV [28.357 MeV] (A_Cd:20)
106Cd48 + 2 D* --> 62Ni28 + 48Ti22 + 54.373 MeV [30.811 MeV] (A_Cd:21)
106Cd48 + 2 D* --> 64Ni28 + 46Ti22 + 50.362 MeV [26.800 MeV] (A_Cd:22)
106Cd48 + 2 D* --> 65Cu29 + 45Sc21 + 47.470 MeV [23.908 MeV] (A_Cd:23)
106Cd48 + 2 D* --> 64Zn30 + 46Ca20 + 48.278 MeV [24.716 MeV] (A_Cd:24)
106Cd48 + 2 D* --> 66Zn30 + 44Ca20 + 49.507 MeV [25.945 MeV] (A_Cd:25)
106Cd48 + 2 D* --> 67Zn30 + 43Ca20 + 45.428 MeV [21.866 MeV] (A_Cd:26)
106Cd48 + 2 D* --> 68Zn30 + 42Ca20 + 47.693 MeV [24.131 MeV] (A_Cd:27)
106Cd48 + 2 D* --> 70Zn30 + 40Ca20 + 43.550 MeV [19.988 MeV] (A_Cd:28)
106Cd48 + 2 D* --> 69Ga31 + 41K19 + 44.026 MeV [20.464 MeV] (A_Cd:29)
106Cd48 + 2 D* --> 71Ga31 + 39K19 + 43.086 MeV [19.524 MeV] (A_Cd:30)
106Cd48 + 2 D* --> 70Ge32 + 40Ar18 + 44.742 MeV [21.180 MeV] (A_Cd:31)
106Cd48 + 2 D* --> 72Ge32 + 38Ar18 + 46.439 MeV [22.877 MeV] (A_Cd:32)
106Cd48 + 2 D* --> 74Ge32 + 36Ar18 + 42.793 MeV [19.231 MeV] (A_Cd:33)

106Cd48 + 2 D* --> 75As33 + 35Cl17 + 41.185 MeV [17.623 MeV] (A_Cd:34)
106Cd48 + 2 D* --> 74Se34 + 36S16 + 42.016 MeV [18.454 MeV] (A_Cd:35)
106Cd48 + 2 D* --> 76Se34 + 34S16 + 44.323 MeV [20.761 MeV] (A_Cd:36)
106Cd48 + 2 D* --> 77Se34 + 33S16 + 40.325 MeV [16.762 MeV] (A_Cd:37)
106Cd48 + 2 D* --> 78Se34 + 32S16 + 42.181 MeV [18.619 MeV] (A_Cd:38)
106Cd48 + 2 D* --> 79Br35 + 31P15 + 39.648 MeV [16.086 MeV] (A_Cd:39)
106Cd48 + 2 D* --> 80Kr36 + 30Si14 + 41.464 MeV [17.902 MeV] (A_Cd:40)
106Cd48 + 2 D* --> 82Kr36 + 28Si14 + 41.221 MeV [17.659 MeV] (A_Cd:41)
106Cd48 + 2 D* --> 84Sr38 + 26Mg12 + 35.997 MeV [12.435 MeV] (A_Cd:42)
106Cd48 + 2 D* --> 86Sr38 + 24Mg12 + 37.596 MeV [14.034 MeV] (A_Cd:43)
106Cd48 + 2 D* --> 90Zr40 + 20Ne10 + 34.948 MeV [11.386 MeV] (A_Cd:44)
106Cd48 + 2 D* --> 92Mo42 + 18O8 + 26.725 MeV [3.163 MeV] (A_Cd:45)
106Cd48 + 2 D* --> 94Mo42 + 16O8 + 32.286 MeV [8.724 MeV] (A_Cd:46)
106Cd48 + 2 D* --> 98Ru44 + 12C6 + 27.363 MeV [3.801 MeV] (A_Cd:47)
106Cd48 + 2 D* --> 106Cd48 + 4He2 + 23.847 MeV [00.284 MeV] (A_Cd:48)

106Cd48 + 3 D* --> 57Fe26 + 55Mn25 + 70.165 MeV [34.317 MeV] (A_Cd:49)
106Cd48 + 3 D* --> 59Co27 + 53Cr24 + 69.788 MeV [33.939 MeV] (A_Cd:50)
106Cd48 + 3 D* --> 61Ni28 + 51V23 + 68.697 MeV [32.848 MeV] (A_Cd:51)
106Cd48 + 3 D* --> 62Ni28 + 50V23 + 68.242 MeV [32.394 MeV] (A_Cd:52)
106Cd48 + 3 D* --> 63Cu29 + 49Ti22 + 66.413 MeV [30.564 MeV] (A_Cd:53)
106Cd48 + 3 D* --> 65Cu29 + 47Ti22 + 64.471 MeV [28.622 MeV] (A_Cd:54)
106Cd48 + 3 D* --> 67Zn30 + 45Sc21 + 61.223 MeV [25.374 MeV] (A_Cd:55)
106Cd48 + 3 D* --> 69Ga31 + 43Ca20 + 60.011 MeV [24.163 MeV] (A_Cd:56)
106Cd48 + 3 D* --> 72Ge32 + 40K19 + 58.396 MeV [22.547 MeV] (A_Cd:57)
106Cd48 + 3 D* --> 73Ge32 + 39K19 + 57.379 MeV [21.531 MeV] (A_Cd:58)
106Cd48 + 3 D* --> 77Se34 + 35Cl17 + 55.888 MeV [20.039 MeV] (A_Cd:59)
106Cd48 + 3 D* --> 79Br35 + 33S16 + 54.929 MeV [19.081 MeV] (A_Cd:60)
106Cd48 + 3 D* --> 98Ru44 + 14N7 + 37.636 MeV [1.787 MeV] (A_Cd:61)
106Cd48 + 3 D* --> 102Pd46 + 10B5 + 28.149 MeV [-7.699 MeV] (A_Cd:62)
106Cd48 + 3 D* --> 106Cd48 + 6Li3 + 25.320 MeV [-10.528 MeV] (A_Cd:63)

106Cd48 + 4 D* --> 57Fe26 + 57Fe26 + 85.771 MeV [37.303 MeV] (A_Cd:64)
106Cd48 + 4 D* --> 58Fe26 + 56Fe26 + 88.169 MeV [39.702 MeV] (A_Cd:65)
106Cd48 + 4 D* --> 59Co27 + 55Mn25 + 85.349 MeV [36.882 MeV] (A_Cd:66)
106Cd48 + 4 D* --> 60Ni28 + 54Cr24 + 86.815 MeV [38.348 MeV] (A_Cd:67)
106Cd48 + 4 D* --> 61Ni28 + 53Cr24 + 84.916 MeV [36.449 MeV] (A_Cd:68)
106Cd48 + 4 D* --> 62Ni28 + 52Cr24 + 87.573 MeV [39.106 MeV] (A_Cd:69)
106Cd48 + 4 D* --> 64Ni28 + 50Cr24 + 82.769 MeV [34.302 MeV] (A_Cd:70)
106Cd48 + 4 D* --> 63Cu29 + 51V23 + 83.191 MeV [34.724 MeV] (A_Cd:71)
106Cd48 + 4 D* --> 64Zn30 + 50Ti22 + 82.841 MeV [34.373 MeV] (A_Cd:72)
106Cd48 + 4 D* --> 66Zn30 + 48Ti22 + 82.798 MeV [34.330 MeV] (A_Cd:73)
106Cd48 + 4 D* --> 67Zn30 + 47Ti22 + 78.223 MeV [29.756 MeV] (A_Cd:74)
106Cd48 + 4 D* --> 68Zn30 + 46Ti22 + 79.541 MeV [31.074 MeV] (A_Cd:75)
106Cd48 + 4 D* --> 69Ga31 + 45Sc21 + 75.806 MeV [27.339 MeV] (A_Cd:76)
106Cd48 + 4 D* --> 70Ge32 + 44Ca20 + 77.442 MeV [28.975 MeV] (A_Cd:77)
106Cd48 + 4 D* --> 72Ge32 + 42Ca20 + 76.543 MeV [28.076 MeV] (A_Cd:78)
106Cd48 + 4 D* --> 74Ge32 + 40Ca20 + 73.679 MeV [25.212 MeV] (A_Cd:79)
106Cd48 + 4 D* --> 75As33 + 39K19 + 72.250 MeV [23.783 MeV] (A_Cd:80)
106Cd48 + 4 D* --> 74Se34 + 40Ar18 + 72.663 MeV [24.196 MeV] (A_Cd:81)
106Cd48 + 4 D* --> 76Se34 + 38Ar18 + 75.377 MeV [26.910 MeV] (A_Cd:82)
106Cd48 + 4 D* --> 78Se34 + 36Ar18 + 72.668 MeV [24.201 MeV] (A_Cd:83)
106Cd48 + 4 D* --> 79Br35 + 35Cl17 + 70.492 MeV [22.025 MeV] (A_Cd:84)
106Cd48 + 4 D* --> 78Kr36 + 36S16 + 70.254 MeV [21.787 MeV] (A_Cd:85)

106Cd48 + 4 D* --> 80Kr36 + 34S16 + 73.235 MeV [24.767 MeV] (A_Cd:86)
106Cd48 + 4 D* --> 82Kr36 + 32S16 + 72.016 MeV [23.548 MeV] (A_Cd:87)
106Cd48 + 4 D* --> 84Sr38 + 30Si14 + 70.487 MeV [22.020 MeV] (A_Cd:88)
106Cd48 + 4 D* --> 86Sr38 + 28Si14 + 71.427 MeV [22.960 MeV] (A_Cd:89)
106Cd48 + 4 D* --> 90Zr40 + 24Mg12 + 68.111 MeV [19.644 MeV] (A_Cd:90)
106Cd48 + 4 D* --> 92Mo42 + 22Ne10 + 60.240 MeV [11.773 MeV] (A_Cd:91)
106Cd48 + 4 D* --> 94Mo42 + 20Ne10 + 60.862 MeV [12.395 MeV] (A_Cd:92)
106Cd48 + 4 D* --> 96Ru44 + 18O8 + 52.264 MeV [3.797 MeV] (A_Cd:93)
106Cd48 + 4 D* --> 98Ru44 + 16O8 + 58.372 MeV [9.905 MeV] (A_Cd:94)
106Cd48 + 4 D* --> 102Pd46 + 12C6 + 53.335 MeV [4.868 MeV] (A_Cd:95)

106Cd48 + 5 D* --> 59Co27 + 57Fe26 + 100.955 MeV [39.540 MeV] (A_Cd:96)
106Cd48 + 5 D* --> 61Ni28 + 55Mn25 + 100.478 MeV [39.063 MeV] (A_Cd:97)
106Cd48 + 5 D* --> 63Cu29 + 53Cr24 + 99.410 MeV [37.996 MeV] (A_Cd:98)
106Cd48 + 5 D* --> 66Zn30 + 50V23 + 96.667 MeV [35.252 MeV] (A_Cd:99)
106Cd48 + 5 D* --> 69Ga31 + 47Ti22 + 92.806 MeV [31.391 MeV] (A_Cd:100)
106Cd48 + 5 D* --> 76Se34 + 40K19 + 87.333 MeV [25.919 MeV] (A_Cd:101)
106Cd48 + 5 D* --> 77Se34 + 39K19 + 86.953 MeV [25.538 MeV] (A_Cd:102)
106Cd48 + 5 D* --> 102Pd46 + 14N7 + 63.608 MeV [2.193 MeV] (A_Cd:103)
106Cd48 + 5 D* --> 106Cd48 + 10B5 + 53.628 MeV [-7.787 MeV] (A_Cd:104)

106Cd48 + 6 D* --> 59Co27 + 59Co27 + 116.139 MeV [41.450 MeV] (A_Cd:105)
106Cd48 + 6 D* --> 60Ni28 + 58Fe26 + 118.307 MeV [43.619 MeV] (A_Cd:106)
106Cd48 + 6 D* --> 61Ni28 + 57Fe26 + 116.083 MeV [41.395 MeV] (A_Cd:107)
106Cd48 + 6 D* --> 62Ni28 + 56Fe26 + 119.033 MeV [44.345 MeV] (A_Cd:108)
106Cd48 + 6 D* --> 64Ni28 + 54Fe26 + 115.034 MeV [40.345 MeV] (A_Cd:109)
106Cd48 + 6 D* --> 63Cu29 + 55Mn25 + 114.972 MeV [40.284 MeV] (A_Cd:110)
106Cd48 + 6 D* --> 64Zn30 + 54Cr24 + 114.618 MeV [39.930 MeV] (A_Cd:111)
106Cd48 + 6 D* --> 66Zn30 + 52Cr24 + 115.998 MeV [41.310 MeV] (A_Cd:112)
106Cd48 + 6 D* --> 68Zn30 + 50Cr24 + 111.949 MeV [37.260 MeV] (A_Cd:113)
106Cd48 + 6 D* --> 70Ge32 + 48Ti22 + 110.733 MeV [36.044 MeV] (A_Cd:114)
106Cd48 + 6 D* --> 72Ge32 + 46Ti22 + 108.391 MeV [33.703 MeV] (A_Cd:115)
106Cd48 + 6 D* --> 74Se34 + 44Ca20 + 105.363 MeV [30.675 MeV] (A_Cd:116)
106Cd48 + 6 D* --> 76Se34 + 42Ca20 + 105.481 MeV [30.793 MeV] (A_Cd:117)
106Cd48 + 6 D* --> 78Se34 + 40Ca20 + 103.554 MeV [28.866 MeV] (A_Cd:118)
106Cd48 + 6 D* --> 79Br35 + 39K19 + 101.557 MeV [26.869 MeV] (A_Cd:119)
106Cd48 + 6 D* --> 78Kr36 + 40Ar18 + 100.901 MeV [26.213 MeV] (A_Cd:120)
106Cd48 + 6 D* --> 80Kr36 + 38Ar18 + 104.289 MeV [29.601 MeV] (A_Cd:121)
106Cd48 + 6 D* --> 82Kr36 + 36Ar18 + 102.503 MeV [27.815 MeV] (A_Cd:122)
106Cd48 + 6 D* --> 84Sr38 + 34S16 + 102.257 MeV [27.569 MeV] (A_Cd:123)
106Cd48 + 6 D* --> 86Sr38 + 32S16 + 102.221 MeV [27.533 MeV] (A_Cd:124)
106Cd48 + 6 D* --> 90Zr40 + 28Si14 + 101.942 MeV [27.254 MeV] (A_Cd:125)
106Cd48 + 6 D* --> 92Mo42 + 26Mg12 + 94.701 MeV [20.013 MeV] (A_Cd:126)
106Cd48 + 6 D* --> 94Mo42 + 24Mg12 + 94.025 MeV [19.337 MeV] (A_Cd:127)
106Cd48 + 6 D* --> 96Ru44 + 22Ne10 + 85.779 MeV [11.090 MeV] (A_Cd:128)
106Cd48 + 6 D* --> 98Ru44 + 20Ne10 + 86.948 MeV [12.260 MeV] (A_Cd:129)
106Cd48 + 6 D* --> 102Pd46 + 16O8 + 84.344 MeV [9.656 MeV] (A_Cd:130)
106Cd48 + 6 D* --> 106Cd48 + 12C6 + 78.814 MeV [4.126 MeV] (A_Cd:131)

106Cd48 + 7 D* --> 61Ni28 + 59Co27 + 131.267 MeV [42.982 MeV] (A_Cd:132)
106Cd48 + 7 D* --> 63Cu29 + 57Fe26 + 130.577 MeV [42.293 MeV] (A_Cd:133)
106Cd48 + 7 D* --> 70Ge32 + 50V23 + 124.602 MeV [36.318 MeV] (A_Cd:134)
106Cd48 + 7 D* --> 80Kr36 + 40K19 + 116.245 MeV [27.961 MeV] (A_Cd:135)
106Cd48 + 7 D* --> 106Cd48 + 14N7 + 89.087 MeV [00.802 MeV] (A_Cd:136)

106Cd48 + 8 D* --> 61Ni28 + 61Ni28 + 146.395 MeV [44.195 MeV] (A_Cd:137)
106Cd48 + 8 D* --> 62Ni28 + 60Ni28 + 149.171 MeV [46.971 MeV] (A_Cd:138)
106Cd48 + 8 D* --> 64Ni28 + 58Ni28 + 145.280 MeV [43.080 MeV] (A_Cd:139)
106Cd48 + 8 D* --> 63Cu29 + 59Co27 + 145.761 MeV [43.561 MeV] (A_Cd:140)
106Cd48 + 8 D* --> 64Zn30 + 58Fe26 + 146.110 MeV [43.910 MeV] (A_Cd:141)
106Cd48 + 8 D* --> 66Zn30 + 56Fe26 + 147.458 MeV [45.258 MeV] (A_Cd:142)
106Cd48 + 8 D* --> 68Zn30 + 54Fe26 + 144.213 MeV [42.013 MeV] (A_Cd:143)
106Cd48 + 8 D* --> 70Ge32 + 52Cr24 + 143.933 MeV [41.733 MeV] (A_Cd:144)
106Cd48 + 8 D* --> 72Ge32 + 50Cr24 + 140.799 MeV [38.598 MeV] (A_Cd:145)
106Cd48 + 8 D* --> 74Se34 + 48Ti22 + 138.654 MeV [36.454 MeV] (A_Cd:146)
106Cd48 + 8 D* --> 76Se34 + 46Ti22 + 137.329 MeV [35.129 MeV] (A_Cd:147)
106Cd48 + 8 D* --> 78Kr36 + 44Ca20 + 133.601 MeV [31.401 MeV] (A_Cd:148)
106Cd48 + 8 D* --> 80Kr36 + 42Ca20 + 134.393 MeV [32.193 MeV] (A_Cd:149)
106Cd48 + 8 D* --> 82Kr36 + 40Ca20 + 133.389 MeV [31.189 MeV] (A_Cd:150)
106Cd48 + 8 D* --> 84Sr38 + 38Ar18 + 133.312 MeV [31.111 MeV] (A_Cd:151)
106Cd48 + 8 D* --> 86Sr38 + 36Ar18 + 132.708 MeV [30.508 MeV] (A_Cd:152)
106Cd48 + 8 D* --> 90Zr40 + 32S16 + 132.736 MeV [30.536 MeV] (A_Cd:153)
106Cd48 + 8 D* --> 92Mo42 + 30Si14 + 129.191 MeV [26.991 MeV] (A_Cd:154)
106Cd48 + 8 D* --> 94Mo42 + 28Si14 + 127.856 MeV [25.656 MeV] (A_Cd:155)
106Cd48 + 8 D* --> 96Ru44 + 26Mg12 + 120.240 MeV [18.040 MeV] (A_Cd:156)
106Cd48 + 8 D* --> 98Ru44 + 24Mg12 + 120.111 MeV [17.911 MeV] (A_Cd:157)
106Cd48 + 8 D* --> 102Pd46 + 20Ne10 + 112.920 MeV [10.720 MeV] (A_Cd:158)
106Cd48 + 8 D* --> 106Cd48 + 16O8 + 109.823 MeV [7.623 MeV] (A_Cd:159)

106Cd48 + 9 D* --> 63Cu29 + 61Ni28 + 160.889 MeV [44.457 MeV] (A_Cd:160)
106Cd48 + 9 D* --> 74Se34 + 50V23 + 152.523 MeV [36.090 MeV] (A_Cd:161)
106Cd48 + 9 D* --> 84Sr38 + 40K19 + 145.268 MeV [28.835 MeV] (A_Cd:162)

106Cd48 + 10 D* --> 63Cu29 + 63Cu29 + 175.384 MeV [44.404 MeV] (A_Cd:163)
106Cd48 + 10 D* --> 64Zn30 + 62Ni28 + 176.974 MeV [45.995 MeV] (A_Cd:164)
106Cd48 + 10 D* --> 66Zn30 + 60Ni28 + 177.596 MeV [46.617 MeV] (A_Cd:165)
106Cd48 + 10 D* --> 68Zn30 + 58Ni28 + 174.460 MeV [43.480 MeV] (A_Cd:166)
106Cd48 + 10 D* --> 70Ge32 + 56Fe26 + 175.393 MeV [44.414 MeV] (A_Cd:167)
106Cd48 + 10 D* --> 72Ge32 + 54Fe26 + 173.063 MeV [42.083 MeV] (A_Cd:168)
106Cd48 + 10 D* --> 74Se34 + 52Cr24 + 171.854 MeV [40.875 MeV] (A_Cd:169)
106Cd48 + 10 D* --> 76Se34 + 50Cr24 + 169.736 MeV [38.757 MeV] (A_Cd:170)
106Cd48 + 10 D* --> 78Kr36 + 48Ti22 + 166.892 MeV [35.913 MeV] (A_Cd:171)
106Cd48 + 10 D* --> 80Kr36 + 46Ti22 + 166.241 MeV [35.261 MeV] (A_Cd:172)
106Cd48 + 10 D* --> 84Sr38 + 42Ca20 + 163.416 MeV [32.436 MeV] (A_Cd:173)
106Cd48 + 10 D* --> 86Sr38 + 40Ca20 + 163.595 MeV [32.615 MeV] (A_Cd:174)
106Cd48 + 10 D* --> 90Zr40 + 36Ar18 + 163.224 MeV [32.244 MeV] (A_Cd:175)
106Cd48 + 10 D* --> 92Mo42 + 34S16 + 160.962 MeV [29.982 MeV] (A_Cd:176)
106Cd48 + 10 D* --> 94Mo42 + 32S16 + 158.650 MeV [27.670 MeV] (A_Cd:177)
106Cd48 + 10 D* --> 96Ru44 + 30Si14 + 154.730 MeV [23.750 MeV] (A_Cd:178)
106Cd48 + 10 D* --> 98Ru44 + 28Si14 + 153.942 MeV [22.962 MeV] (A_Cd:179)
106Cd48 + 10 D* --> 102Pd46 + 24Mg12 + 146.083 MeV [15.104 MeV] (A_Cd:180)
106Cd48 + 10 D* --> 106Cd48 + 20Ne10 + 138.399 MeV [7.420 MeV] (A_Cd:181)

106Cd48 + 11 D* --> 78Kr36 + 50V23 + 180.762 MeV [34.924 MeV] (A_Cd:182)

106Cd48 + 12 D* --> 66Zn30 + 64Zn30 + 205.399 MeV [44.395 MeV] (A_Cd:183)
106Cd48 + 12 D* --> 70Ge32 + 60Ni28 + 205.531 MeV [44.527 MeV] (A_Cd:184)
106Cd48 + 12 D* --> 72Ge32 + 58Ni28 + 203.310 MeV [42.305 MeV] (A_Cd:185)

106Cd48 + 12 D* --> 74Se34 + 56Fe26 + 203.314 MeV [42.310 MeV] (A_Cd:186)
106Cd48 + 12 D* --> 76Se34 + 54Fe26 + 202.001 MeV [40.996 MeV] (A_Cd:187)
106Cd48 + 12 D* --> 78Kr36 + 52Cr24 + 200.093 MeV [39.088 MeV] (A_Cd:188)
106Cd48 + 12 D* --> 80Kr36 + 50Cr24 + 198.648 MeV [37.644 MeV] (A_Cd:189)
106Cd48 + 12 D* --> 84Sr38 + 46Ti22 + 195.263 MeV [34.259 MeV] (A_Cd:190)
106Cd48 + 12 D* --> 90Zr40 + 40Ca20 + 194.110 MeV [33.105 MeV] (A_Cd:191)
106Cd48 + 12 D* --> 92Mo42 + 38Ar18 + 192.016 MeV [31.011 MeV] (A_Cd:192)
106Cd48 + 12 D* --> 94Mo42 + 36Ar18 + 189.137 MeV [28.133 MeV] (A_Cd:193)
106Cd48 + 12 D* --> 96Ru44 + 34S16 + 186.500 MeV [25.496 MeV] (A_Cd:194)
106Cd48 + 12 D* --> 98Ru44 + 32S16 + 184.736 MeV [23.732 MeV] (A_Cd:195)
106Cd48 + 12 D* --> 102Pd46 + 28Si14 + 179.914 MeV [18.910 MeV] (A_Cd:196)
106Cd48 + 12 D* --> 106Cd48 + 24Mg12 + 171.562 MeV [10.558 MeV] (A_Cd:197)

108Cd48 + D* --> 70Zn30 + 40K19 + 26.983 MeV [15.443 MeV] (A_Cd:198)
108Cd48 + D* --> 73Ge32 + 37Cl17 + 26.942 MeV [15.402 MeV] (A_Cd:199)
108Cd48 + D* --> 81Br35 + 29Si14 + 23.753 MeV [12.213 MeV] (A_Cd:200)
108Cd48 + D* --> 83Kr36 + 27Al13 + 21.062 MeV [9.521 MeV] (A_Cd:201)
108Cd48 + D* --> 85Rb37 + 25Mg12 + 19.244 MeV [7.703 MeV] (A_Cd:202)
108Cd48 + D* --> 87Sr38 + 23Na11 + 18.294 MeV [6.753 MeV] (A_Cd:203)
108Cd48 + D* --> 89Y39 + 21Ne10 + 17.317 MeV [5.776 MeV] (A_Cd:204)
108Cd48 + D* --> 91Zr40 + 19F9 + 13.261 MeV [1.721 MeV] (A_Cd:205)
108Cd48 + D* --> 93Nb41 + 17O8 + 11.900 MeV [00.360 MeV] (A_Cd:206)
108Cd48 + D* --> 95Mo42 + 15N7 + 11.489 MeV [-0.051 MeV] (A_Cd:207)
108Cd48 + D* --> 96Mo42 + 14N7 + 9.810 MeV [-1.730 MeV] (A_Cd:208)
108Cd48 + D* --> 99Ru44 + 11B5 + 2.832 MeV [-8.708 MeV] (A_Cd:209)
108Cd48 + D* --> 100Ru44 + 10B5 + 1.052 MeV [-10.489 MeV] (A_Cd:210)

108Cd48 + 2 D* --> 58Fe26 + 54Cr24 + 56.105 MeV [32.684 MeV] (A_Cd:211)
108Cd48 + 2 D* --> 62Ni28 + 50Ti22 + 55.192 MeV [31.771 MeV] (A_Cd:212)
108Cd48 + 2 D* --> 64Ni28 + 48Ti22 + 52.606 MeV [29.185 MeV] (A_Cd:213)
108Cd48 + 2 D* --> 64Zn30 + 48Ca20 + 47.237 MeV [23.816 MeV] (A_Cd:214)
108Cd48 + 2 D* --> 66Zn30 + 46Ca20 + 49.054 MeV [25.633 MeV] (A_Cd:215)
108Cd48 + 2 D* --> 68Zn30 + 44Ca20 + 48.495 MeV [25.074 MeV] (A_Cd:216)
108Cd48 + 2 D* --> 70Zn30 + 42Ca20 + 45.131 MeV [21.710 MeV] (A_Cd:217)
108Cd48 + 2 D* --> 71Ga31 + 41K19 + 42.718 MeV [19.297 MeV] (A_Cd:218)
108Cd48 + 2 D* --> 72Ge32 + 40Ar18 + 44.645 MeV [21.224 MeV] (A_Cd:219)
108Cd48 + 2 D* --> 74Ge32 + 38Ar18 + 45.156 MeV [21.735 MeV] (A_Cd:220)
108Cd48 + 2 D* --> 76Ge32 + 36Ar18 + 40.464 MeV [17.043 MeV] (A_Cd:221)
108Cd48 + 2 D* --> 75As33 + 37Cl17 + 41.813 MeV [18.392 MeV] (A_Cd:222)
108Cd48 + 2 D* --> 76Se34 + 36S16 + 42.935 MeV [19.514 MeV] (A_Cd:223)
108Cd48 + 2 D* --> 78Se34 + 34S16 + 43.977 MeV [20.556 MeV] (A_Cd:224)
108Cd48 + 2 D* --> 80Se34 + 32S16 + 40.795 MeV [17.374 MeV] (A_Cd:225)
108Cd48 + 2 D* --> 81Br35 + 31P15 + 39.435 MeV [16.014 MeV] (A_Cd:226)
108Cd48 + 2 D* --> 82Kr36 + 30Si14 + 42.042 MeV [18.621 MeV] (A_Cd:227)
108Cd48 + 2 D* --> 83Kr36 + 29Si14 + 38.896 MeV [15.475 MeV] (A_Cd:228)
108Cd48 + 2 D* --> 84Kr36 + 28Si14 + 40.943 MeV [17.522 MeV] (A_Cd:229)
108Cd48 + 2 D* --> 85Rb37 + 27Al13 + 36.383 MeV [12.962 MeV] (A_Cd:230)
108Cd48 + 2 D* --> 86Sr38 + 26Mg12 + 37.757 MeV [14.336 MeV] (A_Cd:231)
108Cd48 + 2 D* --> 87Sr38 + 25Mg12 + 35.092 MeV [11.671 MeV] (A_Cd:232)
108Cd48 + 2 D* --> 88Sr38 + 24Mg12 + 38.874 MeV [15.453 MeV] (A_Cd:233)
108Cd48 + 2 D* --> 89Y39 + 23Na11 + 34.251 MeV [10.830 MeV] (A_Cd:234)
108Cd48 + 2 D* --> 90Zr40 + 22Ne10 + 33.811 MeV [10.390 MeV] (A_Cd:235)
108Cd48 + 2 D* --> 91Zr40 + 21Ne10 + 30.641 MeV [7.220 MeV] (A_Cd:236)
108Cd48 + 2 D* --> 92Zr40 + 20Ne10 + 32.515 MeV [9.094 MeV] (A_Cd:237)

108Cd48 + 2 D* --> 93Nb41 + 19F9 + 25.715 MeV [2.294 MeV] (A_Cd:238)
108Cd48 + 2 D* --> 94Mo42 + 18O8 + 26.210 MeV [2.789 MeV] (A_Cd:239)
108Cd48 + 2 D* --> 95Mo42 + 17O8 + 25.535 MeV [2.114 MeV] (A_Cd:240)
108Cd48 + 2 D* --> 96Mo42 + 16O8 + 30.547 MeV [7.126 MeV] (A_Cd:241)
108Cd48 + 2 D* --> 99Ru44 + 13C6 + 21.511 MeV [-1.910 MeV] (A_Cd:242)
108Cd48 + 2 D* --> 100Ru44 + 12C6 + 26.238 MeV [2.817 MeV] (A_Cd:243)
108Cd48 + 2 D* --> 108Cd48 + 4He2 + 23.847 MeV [00.426 MeV] (A_Cd:244)
108Cd48 + 2 D* --> 112Sn50 + 25.680 MeV [2.259 MeV] (A_Cd:245)

108Cd48 + 3 D* --> 64Ni28 + 50V23 + 66.476 MeV [30.838 MeV] (A_Cd:246)
108Cd48 + 3 D* --> 65Cu29 + 49Ti22 + 65.977 MeV [30.340 MeV] (A_Cd:247)
108Cd48 + 3 D* --> 71Ga31 + 43Ca20 + 58.704 MeV [23.066 MeV] (A_Cd:248)
108Cd48 + 3 D* --> 73Ge32 + 41K19 + 57.011 MeV [21.374 MeV] (A_Cd:249)
108Cd48 + 3 D* --> 74Ge32 + 40K19 + 57.112 MeV [21.475 MeV] (A_Cd:250)
108Cd48 + 3 D* --> 77Se34 + 37Cl17 + 56.516 MeV [20.878 MeV] (A_Cd:251)
108Cd48 + 3 D* --> 81Br35 + 33S16 + 54.716 MeV [19.078 MeV] (A_Cd:252)
108Cd48 + 3 D* --> 83Kr36 + 31P15 + 54.577 MeV [18.940 MeV] (A_Cd:253)
108Cd48 + 3 D* --> 85Rb37 + 29Si14 + 54.217 MeV [18.580 MeV] (A_Cd:254)
108Cd48 + 3 D* --> 87Sr38 + 27Al13 + 52.232 MeV [16.594 MeV] (A_Cd:255)
108Cd48 + 3 D* --> 89Y39 + 25Mg12 + 51.049 MeV [15.412 MeV] (A_Cd:256)
108Cd48 + 3 D* --> 91Zr40 + 23Na11 + 47.575 MeV [11.937 MeV] (A_Cd:257)
108Cd48 + 3 D* --> 93Nb41 + 21Ne10 + 43.095 MeV [7.457 MeV] (A_Cd:258)
108Cd48 + 3 D* --> 95Mo42 + 19F9 + 39.350 MeV [3.712 MeV] (A_Cd:259)
108Cd48 + 3 D* --> 99Ru44 + 15N7 + 37.670 MeV [2.033 MeV] (A_Cd:260)
108Cd48 + 3 D* --> 100Ru44 + 14N7 + 36.510 MeV [00.873 MeV] (A_Cd:261)
108Cd48 + 3 D* --> 104Pd46 + 10B5 + 27.494 MeV [-8.143 MeV] (A_Cd:262)
108Cd48 + 3 D* --> 108Cd48 + 6Li3 + 25.320 MeV [-10.317 MeV] (A_Cd:263)
108Cd48 + 3 D* --> 112Sn50 + 2H1 + 25.680 MeV [-9.957 MeV] (A_Cd:264)

108Cd48 + 4 D* --> 58Fe26 + 58Fe26 + 87.597 MeV [39.410 MeV] (A_Cd:265)
108Cd48 + 4 D* --> 62Ni28 + 54Cr24 + 86.969 MeV [38.782 MeV] (A_Cd:266)
108Cd48 + 4 D* --> 64Ni28 + 52Cr24 + 85.807 MeV [37.620 MeV] (A_Cd:267)
108Cd48 + 4 D* --> 65Cu29 + 51V23 + 82.756 MeV [34.569 MeV] (A_Cd:268)
108Cd48 + 4 D* --> 66Zn30 + 50Ti22 + 83.617 MeV [35.430 MeV] (A_Cd:269)
108Cd48 + 4 D* --> 67Zn30 + 49Ti22 + 79.730 MeV [31.543 MeV] (A_Cd:270)
108Cd48 + 4 D* --> 68Zn30 + 48Ti22 + 81.786 MeV [33.598 MeV] (A_Cd:271)
108Cd48 + 4 D* --> 70Zn30 + 46Ti22 + 76.979 MeV [28.792 MeV] (A_Cd:272)
108Cd48 + 4 D* --> 71Ga31 + 45Sc21 + 74.499 MeV [26.312 MeV] (A_Cd:273)
108Cd48 + 4 D* --> 70Ge32 + 46Ca20 + 76.989 MeV [28.802 MeV] (A_Cd:274)
108Cd48 + 4 D* --> 72Ge32 + 44Ca20 + 77.345 MeV [29.158 MeV] (A_Cd:275)
108Cd48 + 4 D* --> 73Ge32 + 43Ca20 + 72.997 MeV [24.810 MeV] (A_Cd:276)
108Cd48 + 4 D* --> 74Ge32 + 42Ca20 + 75.260 MeV [27.073 MeV] (A_Cd:277)
108Cd48 + 4 D* --> 76Ge32 + 40Ca20 + 71.350 MeV [23.163 MeV] (A_Cd:278)
108Cd48 + 4 D* --> 75As33 + 41K19 + 71.882 MeV [23.695 MeV] (A_Cd:279)
108Cd48 + 4 D* --> 76Se34 + 40Ar18 + 73.583 MeV [25.395 MeV] (A_Cd:280)
108Cd48 + 4 D* --> 78Se34 + 38Ar18 + 75.031 MeV [26.844 MeV] (A_Cd:281)
108Cd48 + 4 D* --> 80Se34 + 36Ar18 + 71.282 MeV [23.095 MeV] (A_Cd:282)
108Cd48 + 4 D* --> 79Br35 + 37Cl17 + 71.121 MeV [22.934 MeV] (A_Cd:283)
108Cd48 + 4 D* --> 81Br35 + 35Cl17 + 70.279 MeV [22.092 MeV] (A_Cd:284)
108Cd48 + 4 D* --> 80Kr36 + 36S16 + 71.847 MeV [23.660 MeV] (A_Cd:285)
108Cd48 + 4 D* --> 82Kr36 + 34S16 + 73.812 MeV [25.625 MeV] (A_Cd:286)
108Cd48 + 4 D* --> 83Kr36 + 33S16 + 69.858 MeV [21.671 MeV] (A_Cd:287)
108Cd48 + 4 D* --> 84Kr36 + 32S16 + 71.737 MeV [23.550 MeV] (A_Cd:288)
108Cd48 + 4 D* --> 85Rb37 + 31P15 + 69.899 MeV [21.712 MeV] (A_Cd:289)

108Cd48 + 4 D* --> 86Sr38 + 30Si14 + 72.247 MeV [24.060 MeV] (A_Cd:290)
108Cd48 + 4 D* --> 87Sr38 + 29Si14 + 70.066 MeV [21.879 MeV] (A_Cd:291)
108Cd48 + 4 D* --> 88Sr38 + 28Si14 + 72.705 MeV [24.518 MeV] (A_Cd:292)
108Cd48 + 4 D* --> 89Y39 + 27Al13 + 68.189 MeV [20.002 MeV] (A_Cd:293)
108Cd48 + 4 D* --> 90Zr40 + 26Mg12 + 68.272 MeV [20.085 MeV] (A_Cd:294)
108Cd48 + 4 D* --> 91Zr40 + 25Mg12 + 64.374 MeV [16.187 MeV] (A_Cd:295)
108Cd48 + 4 D* --> 92Zr40 + 24Mg12 + 65.678 MeV [17.491 MeV] (A_Cd:296)
108Cd48 + 4 D* --> 93Nb41 + 23Na11 + 60.029 MeV [11.842 MeV] (A_Cd:297)
108Cd48 + 4 D* --> 94Mo42 + 22Ne10 + 59.725 MeV [11.538 MeV] (A_Cd:298)
108Cd48 + 4 D* --> 95Mo42 + 21Ne10 + 56.730 MeV [8.543 MeV] (A_Cd:299)
108Cd48 + 4 D* --> 96Mo42 + 20Ne10 + 59.123 MeV [10.936 MeV] (A_Cd:300)
108Cd48 + 4 D* --> 98Ru44 + 18O8 + 52.297 MeV [4.110 MeV] (A_Cd:301)
108Cd48 + 4 D* --> 99Ru44 + 17O8 + 51.716 MeV [3.529 MeV] (A_Cd:302)
108Cd48 + 4 D* --> 100Ru44 + 16O8 + 57.247 MeV [9.060 MeV] (A_Cd:303)
108Cd48 + 4 D* --> 104Pd46 + 12C6 + 52.681 MeV [4.494 MeV] (A_Cd:304)
108Cd48 + 4 D* --> 112Sn50 + 4He2 + 49.527 MeV [1.340 MeV] (A_Cd:305)

108Cd48 + 5 D* --> 65Cu29 + 53Cr24 + 98.975 MeV [37.909 MeV] (A_Cd:306)
108Cd48 + 5 D* --> 67Zn30 + 51V23 + 96.508 MeV [35.442 MeV] (A_Cd:307)
108Cd48 + 5 D* --> 68Zn30 + 50V23 + 95.655 MeV [34.589 MeV] (A_Cd:308)
108Cd48 + 5 D* --> 69Ga31 + 49Ti22 + 94.313 MeV [33.247 MeV] (A_Cd:309)
108Cd48 + 5 D* --> 71Ga31 + 47Ti22 + 91.499 MeV [30.433 MeV] (A_Cd:310)
108Cd48 + 5 D* --> 73Ge32 + 45Sc21 + 88.792 MeV [27.726 MeV] (A_Cd:311)
108Cd48 + 5 D* --> 75As33 + 43Ca20 + 87.867 MeV [26.801 MeV] (A_Cd:312)
108Cd48 + 5 D* --> 77Se34 + 41K19 + 86.585 MeV [25.519 MeV] (A_Cd:313)
108Cd48 + 5 D* --> 78Se34 + 40K19 + 86.988 MeV [25.922 MeV] (A_Cd:314)
108Cd48 + 5 D* --> 83Kr36 + 35Cl17 + 85.422 MeV [24.356 MeV] (A_Cd:315)
108Cd48 + 5 D* --> 85Rb37 + 33S16 + 85.180 MeV [24.114 MeV] (A_Cd:316)
108Cd48 + 5 D* --> 87Sr38 + 31P15 + 85.748 MeV [24.682 MeV] (A_Cd:317)
108Cd48 + 5 D* --> 89Y39 + 29Si14 + 86.023 MeV [24.957 MeV] (A_Cd:318)
108Cd48 + 5 D* --> 91Zr40 + 27Al13 + 81.513 MeV [20.447 MeV] (A_Cd:319)
108Cd48 + 5 D* --> 93Nb41 + 25Mg12 + 76.827 MeV [15.762 MeV] (A_Cd:320)
108Cd48 + 5 D* --> 95Mo42 + 23Na11 + 73.664 MeV [12.598 MeV] (A_Cd:321)
108Cd48 + 5 D* --> 99Ru44 + 19F9 + 65.531 MeV [4.465 MeV] (A_Cd:322)
108Cd48 + 5 D* --> 104Pd46 + 14N7 + 62.953 MeV [1.887 MeV] (A_Cd:323)
108Cd48 + 5 D* --> 108Cd48 + 10B5 + 53.628 MeV [-7.438 MeV] (A_Cd:324)
108Cd48 + 5 D* --> 112Sn50 + 6Li3 + 51.001 MeV [-10.065 MeV] (A_Cd:325)

108Cd48 + 6 D* --> 62Ni28 + 58Fe26 + 118.462 MeV [44.191 MeV] (A_Cd:326)
108Cd48 + 6 D* --> 64Ni28 + 56Fe26 + 117.267 MeV [42.996 MeV] (A_Cd:327)
108Cd48 + 6 D* --> 65Cu29 + 55Mn25 + 114.536 MeV [40.265 MeV] (A_Cd:328)
108Cd48 + 6 D* --> 66Zn30 + 54Cr24 + 115.394 MeV [41.123 MeV] (A_Cd:329)
108Cd48 + 6 D* --> 67Zn30 + 53Cr24 + 112.727 MeV [38.456 MeV] (A_Cd:330)
108Cd48 + 6 D* --> 68Zn30 + 52Cr24 + 114.986 MeV [40.715 MeV] (A_Cd:331)
108Cd48 + 6 D* --> 70Zn30 + 50Cr24 + 109.386 MeV [35.115 MeV] (A_Cd:332)
108Cd48 + 6 D* --> 69Ga31 + 51V23 + 111.091 MeV [36.820 MeV] (A_Cd:333)
108Cd48 + 6 D* --> 70Ge32 + 50Ti22 + 111.552 MeV [37.281 MeV] (A_Cd:334)
108Cd48 + 6 D* --> 72Ge32 + 48Ti22 + 110.636 MeV [36.365 MeV] (A_Cd:335)
108Cd48 + 6 D* --> 73Ge32 + 47Ti22 + 105.792 MeV [31.521 MeV] (A_Cd:336)
108Cd48 + 6 D* --> 74Ge32 + 46Ti22 + 107.108 MeV [32.837 MeV] (A_Cd:337)
108Cd48 + 6 D* --> 75As33 + 45Sc21 + 103.662 MeV [29.391 MeV] (A_Cd:338)
108Cd48 + 6 D* --> 74Se34 + 46Ca20 + 104.910 MeV [30.639 MeV] (A_Cd:339)
108Cd48 + 6 D* --> 76Se34 + 44Ca20 + 106.283 MeV [32.012 MeV] (A_Cd:340)
108Cd48 + 6 D* --> 77Se34 + 43Ca20 + 102.570 MeV [28.299 MeV] (A_Cd:341)

108Cd48 + 6 D* --> 78Se34 + 42Ca20 + 105.135 MeV [30.864 MeV] (A_Cd:342)
108Cd48 + 6 D* --> 80Se34 + 40Ca20 + 102.168 MeV [27.897 MeV] (A_Cd:343)
108Cd48 + 6 D* --> 79Br35 + 41K19 + 101.190 MeV [26.919 MeV] (A_Cd:344)
108Cd48 + 6 D* --> 81Br35 + 39K19 + 101.344 MeV [27.073 MeV] (A_Cd:345)
108Cd48 + 6 D* --> 80Kr36 + 40Ar18 + 102.494 MeV [28.223 MeV] (A_Cd:346)
108Cd48 + 6 D* --> 82Kr36 + 38Ar18 + 104.866 MeV [30.595 MeV] (A_Cd:347)
108Cd48 + 6 D* --> 84Kr36 + 36Ar18 + 102.225 MeV [27.954 MeV] (A_Cd:348)
108Cd48 + 6 D* --> 85Rb37 + 35Cl17 + 100.743 MeV [26.472 MeV] (A_Cd:349)
108Cd48 + 6 D* --> 84Sr38 + 36S16 + 100.870 MeV [26.599 MeV] (A_Cd:350)
108Cd48 + 6 D* --> 86Sr38 + 34S16 + 104.017 MeV [29.746 MeV] (A_Cd:351)
108Cd48 + 6 D* --> 87Sr38 + 33S16 + 101.028 MeV [26.757 MeV] (A_Cd:352)
108Cd48 + 6 D* --> 88Sr38 + 32S16 + 103.499 MeV [29.228 MeV] (A_Cd:353)
108Cd48 + 6 D* --> 89Y39 + 31P15 + 101.705 MeV [27.434 MeV] (A_Cd:354)
108Cd48 + 6 D* --> 90Zr40 + 30Si14 + 102.762 MeV [28.491 MeV] (A_Cd:355)
108Cd48 + 6 D* --> 91Zr40 + 29Si14 + 99.347 MeV [25.076 MeV] (A_Cd:356)
108Cd48 + 6 D* --> 92Zr40 + 28Si14 + 99.509 MeV [25.238 MeV] (A_Cd:357)
108Cd48 + 6 D* --> 93Nb41 + 27Al13 + 93.967 MeV [19.696 MeV] (A_Cd:358)
108Cd48 + 6 D* --> 94Mo42 + 26Mg12 + 94.186 MeV [19.915 MeV] (A_Cd:359)
108Cd48 + 6 D* --> 95Mo42 + 25Mg12 + 90.462 MeV [16.191 MeV] (A_Cd:360)
108Cd48 + 6 D* --> 96Mo42 + 24Mg12 + 92.286 MeV [18.015 MeV] (A_Cd:361)
108Cd48 + 6 D* --> 98Ru44 + 22Ne10 + 85.811 MeV [11.540 MeV] (A_Cd:362)
108Cd48 + 6 D* --> 99Ru44 + 21Ne10 + 82.911 MeV [8.640 MeV] (A_Cd:363)
108Cd48 + 6 D* --> 100Ru44 + 20Ne10 + 85.823 MeV [11.552 MeV] (A_Cd:364)
108Cd48 + 6 D* --> 102Pd46 + 18O8 + 78.269 MeV [3.998 MeV] (A_Cd:365)
108Cd48 + 6 D* --> 104Pd46 + 16O8 + 83.689 MeV [9.418 MeV] (A_Cd:366)
108Cd48 + 6 D* --> 108Cd48 + 12C6 + 78.814 MeV [4.543 MeV] (A_Cd:367)

108Cd48 + 7 D* --> 65Cu29 + 57Fe26 + 130.142 MeV [42.342 MeV] (A_Cd:368)
108Cd48 + 7 D* --> 67Zn30 + 55Mn25 + 128.289 MeV [40.489 MeV] (A_Cd:369)
108Cd48 + 7 D* --> 69Ga31 + 53Cr24 + 127.310 MeV [39.511 MeV] (A_Cd:370)
108Cd48 + 7 D* --> 72Ge32 + 50V23 + 124.505 MeV [36.706 MeV] (A_Cd:371)
108Cd48 + 7 D* --> 75As33 + 47Ti22 + 120.663 MeV [32.863 MeV] (A_Cd:372)
108Cd48 + 7 D* --> 77Se34 + 45Sc21 + 118.365 MeV [30.566 MeV] (A_Cd:373)
108Cd48 + 7 D* --> 79Br35 + 43Ca20 + 117.175 MeV [29.376 MeV] (A_Cd:374)
108Cd48 + 7 D* --> 82Kr36 + 40K19 + 116.822 MeV [29.023 MeV] (A_Cd:375)
108Cd48 + 7 D* --> 83Kr36 + 39K19 + 116.486 MeV [28.687 MeV] (A_Cd:376)
108Cd48 + 7 D* --> 87Sr38 + 35Cl17 + 116.592 MeV [28.792 MeV] (A_Cd:377)
108Cd48 + 7 D* --> 89Y39 + 33S16 + 116.985 MeV [29.186 MeV] (A_Cd:378)
108Cd48 + 7 D* --> 91Zr40 + 31P15 + 115.029 MeV [27.230 MeV] (A_Cd:379)
108Cd48 + 7 D* --> 93Nb41 + 29Si14 + 111.801 MeV [24.002 MeV] (A_Cd:380)
108Cd48 + 7 D* --> 95Mo42 + 27Al13 + 107.602 MeV [19.803 MeV] (A_Cd:381)
108Cd48 + 7 D* --> 99Ru44 + 23Na11 + 99.845 MeV [12.045 MeV] (A_Cd:382)
108Cd48 + 7 D* --> 108Cd48 + 14N7 + 89.087 MeV [1.287 MeV] (A_Cd:383)
108Cd48 + 7 D* --> 112Sn50 + 10B5 + 79.308 MeV [-8.491 MeV] (A_Cd:384)

108Cd48 + 8 D* --> 62Ni28 + 62Ni28 + 149.326 MeV [47.678 MeV] (A_Cd:385)
108Cd48 + 8 D* --> 64Ni28 + 60Ni28 + 147.405 MeV [45.757 MeV] (A_Cd:386)
108Cd48 + 8 D* --> 65Cu29 + 59Co27 + 145.326 MeV [43.678 MeV] (A_Cd:387)
108Cd48 + 8 D* --> 66Zn30 + 58Fe26 + 146.886 MeV [45.239 MeV] (A_Cd:388)
108Cd48 + 8 D* --> 67Zn30 + 57Fe26 + 143.894 MeV [42.246 MeV] (A_Cd:389)
108Cd48 + 8 D* --> 68Zn30 + 56Fe26 + 146.446 MeV [44.798 MeV] (A_Cd:390)
108Cd48 + 8 D* --> 70Zn30 + 54Fe26 + 141.651 MeV [40.003 MeV] (A_Cd:391)
108Cd48 + 8 D* --> 69Ga31 + 55Mn25 + 142.872 MeV [41.224 MeV] (A_Cd:392)
108Cd48 + 8 D* --> 70Ge32 + 54Cr24 + 143.329 MeV [41.681 MeV] (A_Cd:393)

108Cd48 + 8 D* --> 72Ge32 + 52Cr24 + 143.836 MeV [42.189 MeV] (A_Cd:394)
108Cd48 + 8 D* --> 74Ge32 + 50Cr24 + 139.515 MeV [37.868 MeV] (A_Cd:395)
108Cd48 + 8 D* --> 74Se34 + 50Ti22 + 139.473 MeV [37.825 MeV] (A_Cd:396)
108Cd48 + 8 D* --> 76Se34 + 48Ti22 + 139.573 MeV [37.925 MeV] (A_Cd:397)
108Cd48 + 8 D* --> 77Se34 + 47Ti22 + 135.365 MeV [33.718 MeV] (A_Cd:398)
108Cd48 + 8 D* --> 78Se34 + 46Ti22 + 136.983 MeV [35.335 MeV] (A_Cd:399)
108Cd48 + 8 D* --> 79Br35 + 45Sc21 + 132.970 MeV [31.322 MeV] (A_Cd:400)
108Cd48 + 8 D* --> 78Kr36 + 46Ca20 + 133.148 MeV [31.500 MeV] (A_Cd:401)
108Cd48 + 8 D* --> 80Kr36 + 44Ca20 + 135.194 MeV [33.547 MeV] (A_Cd:402)
108Cd48 + 8 D* --> 82Kr36 + 42Ca20 + 134.970 MeV [33.322 MeV] (A_Cd:403)
108Cd48 + 8 D* --> 84Kr36 + 40Ca20 + 133.111 MeV [31.463 MeV] (A_Cd:404)
108Cd48 + 8 D* --> 85Rb37 + 39K19 + 131.808 MeV [30.160 MeV] (A_Cd:405)
108Cd48 + 8 D* --> 84Sr38 + 40Ar18 + 131.517 MeV [29.869 MeV] (A_Cd:406)
108Cd48 + 8 D* --> 86Sr38 + 38Ar18 + 135.072 MeV [33.424 MeV] (A_Cd:407)
108Cd48 + 8 D* --> 88Sr38 + 36Ar18 + 133.987 MeV [32.339 MeV] (A_Cd:408)
108Cd48 + 8 D* --> 89Y39 + 35Cl17 + 132.549 MeV [30.901 MeV] (A_Cd:409)
108Cd48 + 8 D* --> 90Zr40 + 34S16 + 134.533 MeV [32.885 MeV] (A_Cd:410)
108Cd48 + 8 D* --> 91Zr40 + 33S16 + 130.310 MeV [28.662 MeV] (A_Cd:411)
108Cd48 + 8 D* --> 92Zr40 + 32S16 + 130.303 MeV [28.655 MeV] (A_Cd:412)
108Cd48 + 8 D* --> 93Nb41 + 31P15 + 127.483 MeV [25.835 MeV] (A_Cd:413)
108Cd48 + 8 D* --> 94Mo42 + 30Si14 + 128.676 MeV [27.028 MeV] (A_Cd:414)
108Cd48 + 8 D* --> 95Mo42 + 29Si14 + 125.436 MeV [23.788 MeV] (A_Cd:415)
108Cd48 + 8 D* --> 96Mo42 + 28Si14 + 126.117 MeV [24.469 MeV] (A_Cd:416)
108Cd48 + 8 D* --> 98Ru44 + 26Mg12 + 120.273 MeV [18.625 MeV] (A_Cd:417)
108Cd48 + 8 D* --> 99Ru44 + 25Mg12 + 116.643 MeV [14.995 MeV] (A_Cd:418)
108Cd48 + 8 D* --> 100Ru44 + 24Mg12 + 118.986 MeV [17.338 MeV] (A_Cd:419)
108Cd48 + 8 D* --> 102Pd46 + 22Ne10 + 111.783 MeV [10.135 MeV] (A_Cd:420)
108Cd48 + 8 D* --> 104Pd46 + 20Ne10 + 112.265 MeV [10.618 MeV] (A_Cd:421)
108Cd48 + 8 D* --> 106Cd48 + 18O8 + 103.747 MeV [2.100 MeV] (A_Cd:422)
108Cd48 + 8 D* --> 108Cd48 + 16O8 + 109.823 MeV [8.175 MeV] (A_Cd:423)
108Cd48 + 8 D* --> 112Sn50 + 12C6 + 104.495 MeV [2.847 MeV] (A_Cd:424)

108Cd48 + 9 D* --> 65Cu29 + 61Ni28 + 160.454 MeV [44.640 MeV] (A_Cd:425)
108Cd48 + 9 D* --> 67Zn30 + 59Co27 + 159.078 MeV [43.264 MeV] (A_Cd:426)
108Cd48 + 9 D* --> 69Ga31 + 57Fe26 + 158.477 MeV [42.663 MeV] (A_Cd:427)
108Cd48 + 9 D* --> 76Se34 + 50V23 + 153.443 MeV [37.629 MeV] (A_Cd:428)
108Cd48 + 9 D* --> 79Br35 + 47Ti22 + 149.970 MeV [34.156 MeV] (A_Cd:429)
108Cd48 + 9 D* --> 86Sr38 + 40K19 + 147.028 MeV [31.214 MeV] (A_Cd:430)
108Cd48 + 9 D* --> 87Sr38 + 39K19 + 147.657 MeV [31.843 MeV] (A_Cd:431)
108Cd48 + 9 D* --> 91Zr40 + 35Cl17 + 145.873 MeV [30.060 MeV] (A_Cd:432)
108Cd48 + 9 D* --> 93Nb41 + 33S16 + 142.763 MeV [26.950 MeV] (A_Cd:433)
108Cd48 + 9 D* --> 95Mo42 + 31P15 + 141.118 MeV [25.304 MeV] (A_Cd:434)
108Cd48 + 9 D* --> 99Ru44 + 27Al13 + 133.783 MeV [17.969 MeV] (A_Cd:435)
108Cd48 + 9 D* --> 112Sn50 + 14N7 + 114.767 MeV [-1.047 MeV] (A_Cd:436)

108Cd48 + 10 D* --> 64Ni28 + 64Zn30 + 175.208 MeV [44.914 MeV] (A_Cd:437)
108Cd48 + 10 D* --> 65Cu29 + 63Cu29 + 174.948 MeV [44.654 MeV] (A_Cd:438)
108Cd48 + 10 D* --> 64Zn30 + 64Ni28 + 175.208 MeV [44.914 MeV] (A_Cd:439)
108Cd48 + 10 D* --> 66Zn30 + 62Ni28 + 177.750 MeV [47.457 MeV] (A_Cd:440)
108Cd48 + 10 D* --> 67Zn30 + 61Ni28 + 174.206 MeV [43.912 MeV] (A_Cd:441)
108Cd48 + 10 D* --> 68Zn30 + 60Ni28 + 176.584 MeV [46.290 MeV] (A_Cd:442)
108Cd48 + 10 D* --> 70Zn30 + 58Ni28 + 171.897 MeV [41.603 MeV] (A_Cd:443)
108Cd48 + 10 D* --> 69Ga31 + 59Co27 + 173.661 MeV [43.367 MeV] (A_Cd:444)
108Cd48 + 10 D* --> 70Ge32 + 58Fe26 + 174.821 MeV [44.528 MeV] (A_Cd:445)

108Cd48 + 10 D* --> 72Ge32 + 56Fe26 + 175.296 MeV [45.002 MeV]	(A_Cd:446)
108Cd48 + 10 D* --> 74Ge32 + 54Fe26 + 171.780 MeV [41.486 MeV]	(A_Cd:447)
108Cd48 + 10 D* --> 74Se34 + 54Cr24 + 171.250 MeV [40.956 MeV]	(A_Cd:448)
108Cd48 + 10 D* --> 76Se34 + 52Cr24 + 172.774 MeV [42.480 MeV]	(A_Cd:449)
108Cd48 + 10 D* --> 78Se34 + 50Cr24 + 169.390 MeV [39.097 MeV]	(A_Cd:450)
108Cd48 + 10 D* --> 78Kr36 + 50Ti22 + 167.711 MeV [37.417 MeV]	(A_Cd:451)
108Cd48 + 10 D* --> 80Kr36 + 48Ti22 + 168.485 MeV [38.191 MeV]	(A_Cd:452)
108Cd48 + 10 D* --> 82Kr36 + 46Ti22 + 166.818 MeV [36.524 MeV]	(A_Cd:453)
108Cd48 + 10 D* --> 84Sr38 + 44Ca20 + 164.217 MeV [33.923 MeV]	(A_Cd:454)
108Cd48 + 10 D* --> 86Sr38 + 42Ca20 + 165.176 MeV [34.882 MeV]	(A_Cd:455)
108Cd48 + 10 D* --> 88Sr38 + 40Ca20 + 164.873 MeV [34.579 MeV]	(A_Cd:456)
108Cd48 + 10 D* --> 89Y39 + 39K19 + 163.614 MeV [33.320 MeV]	(A_Cd:457)
108Cd48 + 10 D* --> 90Zr40 + 38Ar18 + 165.587 MeV [35.293 MeV]	(A_Cd:458)
108Cd48 + 10 D* --> 92Zr40 + 36Ar18 + 160.790 MeV [30.496 MeV]	(A_Cd:459)
108Cd48 + 10 D* --> 93Nb41 + 35Cl17 + 158.327 MeV [28.033 MeV]	(A_Cd:460)
108Cd48 + 10 D* --> 92Mo42 + 36S16 + 159.574 MeV [29.280 MeV]	(A_Cd:461)
108Cd48 + 10 D* --> 94Mo42 + 34S16 + 160.446 MeV [30.153 MeV]	(A_Cd:462)
108Cd48 + 10 D* --> 95Mo42 + 33S16 + 156.398 MeV [26.105 MeV]	(A_Cd:463)
108Cd48 + 10 D* --> 96Mo42 + 32S16 + 156.911 MeV [26.617 MeV]	(A_Cd:464)
108Cd48 + 10 D* --> 98Ru44 + 30Si14 + 154.762 MeV [24.468 MeV]	(A_Cd:465)
108Cd48 + 10 D* --> 99Ru44 + 29Si14 + 151.617 MeV [21.323 MeV]	(A_Cd:466)
108Cd48 + 10 D* --> 100Ru44 + 28Si14 + 152.817 MeV [22.523 MeV]	(A_Cd:467)
108Cd48 + 10 D* --> 102Pd46 + 26Mg12 + 146.245 MeV [15.951 MeV]	(A_Cd:468)
108Cd48 + 10 D* --> 104Pd46 + 24Mg12 + 145.429 MeV [15.135 MeV]	(A_Cd:469)
108Cd48 + 10 D* --> 106Cd48 + 22Ne10 + 137.262 MeV [6.968 MeV]	(A_Cd:470)
108Cd48 + 10 D* --> 108Cd48 + 20Ne10 + 138.399 MeV [8.105 MeV]	(A_Cd:471)
108Cd48 + 10 D* --> 112Sn50 + 16O8 + 135.503 MeV [5.209 MeV]	(A_Cd:472)
108Cd48 + 11 D* --> 67Zn30 + 63Cu29 + 188.701 MeV [43.615 MeV]	(A_Cd:473)
108Cd48 + 11 D* --> 69Ga31 + 61Ni28 + 188.789 MeV [43.703 MeV]	(A_Cd:474)
108Cd48 + 11 D* --> 80Kr36 + 50V23 + 182.355 MeV [37.269 MeV]	(A_Cd:475)
108Cd48 + 11 D* --> 90Zr40 + 40K19 + 177.543 MeV [32.457 MeV]	(A_Cd:476)
108Cd48 + 11 D* --> 91Zr40 + 39K19 + 176.938 MeV [31.852 MeV]	(A_Cd:477)
108Cd48 + 11 D* --> 95Mo42 + 35Cl17 + 171.962 MeV [26.876 MeV]	(A_Cd:478)
108Cd48 + 11 D* --> 99Ru44 + 31P15 + 167.298 MeV [22.213 MeV]	(A_Cd:479)
108Cd48 + 12 D* --> 66Zn30 + 66Zn30 + 206.175 MeV [45.988 MeV]	(A_Cd:480)
108Cd48 + 12 D* --> 68Zn30 + 64Zn30 + 204.387 MeV [44.200 MeV]	(A_Cd:481)
108Cd48 + 12 D* --> 69Ga31 + 63Cu29 + 203.284 MeV [43.096 MeV]	(A_Cd:482)
108Cd48 + 12 D* --> 70Ge32 + 62Ni28 + 205.686 MeV [45.498 MeV]	(A_Cd:483)
108Cd48 + 12 D* --> 72Ge32 + 60Ni28 + 205.434 MeV [45.247 MeV]	(A_Cd:484)
108Cd48 + 12 D* --> 74Ge32 + 58Ni28 + 202.026 MeV [41.839 MeV]	(A_Cd:485)
108Cd48 + 12 D* --> 74Se34 + 58Fe26 + 202.742 MeV [42.555 MeV]	(A_Cd:486)
108Cd48 + 12 D* --> 76Se34 + 56Fe26 + 204.234 MeV [44.047 MeV]	(A_Cd:487)
108Cd48 + 12 D* --> 78Se34 + 54Fe26 + 201.655 MeV [41.468 MeV]	(A_Cd:488)
108Cd48 + 12 D* --> 78Kr36 + 54Cr24 + 199.489 MeV [39.301 MeV]	(A_Cd:489)
108Cd48 + 12 D* --> 80Kr36 + 52Cr24 + 201.686 MeV [41.499 MeV]	(A_Cd:490)
108Cd48 + 12 D* --> 82Kr36 + 50Cr24 + 199.225 MeV [39.038 MeV]	(A_Cd:491)
108Cd48 + 12 D* --> 84Sr38 + 48Ti22 + 197.508 MeV [37.321 MeV]	(A_Cd:492)
108Cd48 + 12 D* --> 86Sr38 + 46Ti22 + 197.023 MeV [36.836 MeV]	(A_Cd:493)
108Cd48 + 12 D* --> 90Zr40 + 42Ca20 + 195.691 MeV [35.503 MeV]	(A_Cd:494)
108Cd48 + 12 D* --> 92Zr40 + 40Ca20 + 191.676 MeV [31.489 MeV]	(A_Cd:495)
108Cd48 + 12 D* --> 93Nb41 + 39K19 + 189.392 MeV [29.204 MeV]	(A_Cd:496)
108Cd48 + 12 D* --> 92Mo42 + 40Ar18 + 190.221 MeV [30.034 MeV]	(A_Cd:497)

108Cd48 + 12 D* --> 94Mo42 + 38Ar18 + 191.501 MeV [31.313 MeV] (A_Cd:498)
108Cd48 + 12 D* --> 96Mo42 + 36Ar18 + 187.398 MeV [27.211 MeV] (A_Cd:499)
108Cd48 + 12 D* --> 96Ru44 + 36S16 + 185.112 MeV [24.925 MeV] (A_Cd:500)
108Cd48 + 12 D* --> 98Ru44 + 34S16 + 186.533 MeV [26.345 MeV] (A_Cd:501)
108Cd48 + 12 D* --> 99Ru44 + 33S16 + 182.579 MeV [22.392 MeV] (A_Cd:502)
108Cd48 + 12 D* --> 100Ru44 + 32S16 + 183.611 MeV [23.424 MeV] (A_Cd:503)
108Cd48 + 12 D* --> 102Pd46 + 30Si14 + 180.734 MeV [20.547 MeV] (A_Cd:504)
108Cd48 + 12 D* --> 104Pd46 + 28Si14 + 179.259 MeV [19.072 MeV] (A_Cd:505)
108Cd48 + 12 D* --> 106Cd48 + 26Mg12 + 171.723 MeV [11.536 MeV] (A_Cd:506)
108Cd48 + 12 D* --> 108Cd48 + 24Mg12 + 171.562 MeV [11.375 MeV] (A_Cd:507)
108Cd48 + 12 D* --> 112Sn50 + 20Ne10 + 164.080 MeV [3.892 MeV] (A_Cd:508)

110Cd48 + D* --> 87Rb37 + 25Mg12 + 20.573 MeV [9.102 MeV] (A_Cd:509)
110Cd48 + D* --> 97Mo42 + 15N7 + 10.222 MeV [-1.250 MeV] (A_Cd:510)
110Cd48 + D* --> 98Mo42 + 14N7 + 8.031 MeV [-3.440 MeV] (A_Cd:511)
110Cd48 + D* --> 101Ru44 + 11B5 + 2.065 MeV [-9.407 MeV] (A_Cd:512)
110Cd48 + D* --> 111Cd48 + 1H1 + 4.751 MeV [-6.720 MeV] (A_Cd:513)

110Cd48 + 2 D* --> 64Ni28 + 50Ti22 + 54.444 MeV [31.161 MeV] (A_Cd:514)
110Cd48 + 2 D* --> 66Zn30 + 48Ca20 + 49.032 MeV [25.749 MeV] (A_Cd:515)
110Cd48 + 2 D* --> 68Zn30 + 46Ca20 + 49.061 MeV [25.778 MeV] (A_Cd:516)
110Cd48 + 2 D* --> 70Zn30 + 44Ca20 + 46.952 MeV [23.668 MeV] (A_Cd:517)
110Cd48 + 2 D* --> 74Ge32 + 40Ar18 + 44.381 MeV [21.098 MeV] (A_Cd:518)
110Cd48 + 2 D* --> 76Ge32 + 38Ar18 + 43.846 MeV [20.563 MeV] (A_Cd:519)
110Cd48 + 2 D* --> 78Se34 + 36S16 + 43.609 MeV [20.325 MeV] (A_Cd:520)
110Cd48 + 2 D* --> 80Se34 + 34S16 + 43.610 MeV [20.327 MeV] (A_Cd:521)
110Cd48 + 2 D* --> 82Se34 + 32S16 + 39.528 MeV [16.245 MeV] (A_Cd:522)
110Cd48 + 2 D* --> 84Kr36 + 30Si14 + 42.782 MeV [19.499 MeV] (A_Cd:523)
110Cd48 + 2 D* --> 86Kr36 + 28Si14 + 40.677 MeV [17.394 MeV] (A_Cd:524)
110Cd48 + 2 D* --> 87Rb37 + 27Al13 + 37.713 MeV [14.430 MeV] (A_Cd:525)
110Cd48 + 2 D* --> 88Sr38 + 26Mg12 + 40.055 MeV [16.772 MeV] (A_Cd:526)
110Cd48 + 2 D* --> 92Zr40 + 22Ne10 + 32.397 MeV [9.114 MeV] (A_Cd:527)
110Cd48 + 2 D* --> 94Zr40 + 20Ne10 + 30.227 MeV [6.944 MeV] (A_Cd:528)
110Cd48 + 2 D* --> 96Mo42 + 18O8 + 25.490 MeV [2.207 MeV] (A_Cd:529)
110Cd48 + 2 D* --> 97Mo42 + 17O8 + 24.268 MeV [00.984 MeV] (A_Cd:530)
110Cd48 + 2 D* --> 98Mo42 + 16O8 + 28.767 MeV [5.484 MeV] (A_Cd:531)
110Cd48 + 2 D* --> 101Ru44 + 13C6 + 20.743 MeV [-2.540 MeV] (A_Cd:532)
110Cd48 + 2 D* --> 102Ru44 + 12C6 + 25.016 MeV [1.733 MeV] (A_Cd:533)
110Cd48 + 2 D* --> 103Rh45 + 11B5 + 15.273 MeV [-8.011 MeV] (A_Cd:534)
110Cd48 + 2 D* --> 105Pd46 + 9Be4 + 12.984 MeV [-10.300 MeV] (A_Cd:535)
110Cd48 + 2 D* --> 107Ag47 + 7Li3 + 9.412 MeV [-13.871 MeV] (A_Cd:536)
110Cd48 + 2 D* --> 110Cd48 + 4He2 + 23.847 MeV [00.563 MeV] (A_Cd:537)
110Cd48 + 2 D* --> 111Cd48 + 3He2 + 10.245 MeV [-13.038 MeV] (A_Cd:538)
110Cd48 + 2 D* --> 113In49 + 1H1 + 17.999 MeV [-5.284 MeV] (A_Cd:539)
110Cd48 + 2 D* --> 114Sn50 + 26.479 MeV [3.196 MeV] (A_Cd:540)

110Cd48 + 3 D* --> 76Ge32 + 40K19 + 55.802 MeV [20.371 MeV] (A_Cd:541)
110Cd48 + 3 D* --> 87Rb37 + 29Si14 + 55.547 MeV [20.115 MeV] (A_Cd:542)
110Cd48 + 3 D* --> 97Mo42 + 19F9 + 38.082 MeV [2.650 MeV] (A_Cd:543)
110Cd48 + 3 D* --> 101Ru44 + 15N7 + 36.902 MeV [1.471 MeV] (A_Cd:544)
110Cd48 + 3 D* --> 102Ru44 + 14N7 + 35.289 MeV [-0.143 MeV] (A_Cd:545)
110Cd48 + 3 D* --> 103Rh45 + 13C6 + 33.951 MeV [-1.480 MeV] (A_Cd:546)
110Cd48 + 3 D* --> 105Pd46 + 11B5 + 28.799 MeV [-6.633 MeV] (A_Cd:547)
110Cd48 + 3 D* --> 106Pd46 + 10B5 + 26.906 MeV [-8.526 MeV] (A_Cd:548)

110Cd48 + 3 D* --> 107Ag47 + 9Be4 + 26.108 MeV [-9.323 MeV] (A_Cd:549)
110Cd48 + 3 D* --> 110Cd48 + 6Li3 + 25.320 MeV [-10.111 MeV] (A_Cd:550)
110Cd48 + 3 D* --> 113In49 + 3He2 + 23.493 MeV [-11.939 MeV] (A_Cd:551)
110Cd48 + 3 D* --> 114Sn50 + 2H1 + 26.479 MeV [-8.952 MeV] (A_Cd:552)
110Cd48 + 3 D* --> 115Sn50 + 1H1 + 31.801 MeV [-3.630 MeV] (A_Cd:553)

110Cd48 + 4 D* --> 64Ni28 + 54Cr24 + 86.222 MeV [38.309 MeV] (A_Cd:554)
110Cd48 + 4 D* --> 68Zn30 + 50Ti22 + 83.624 MeV [35.711 MeV] (A_Cd:555)
110Cd48 + 4 D* --> 70Zn30 + 48Ti22 + 80.242 MeV [32.329 MeV] (A_Cd:556)
110Cd48 + 4 D* --> 70Ge32 + 48Ca20 + 76.967 MeV [29.054 MeV] (A_Cd:557)
110Cd48 + 4 D* --> 72Ge32 + 46Ca20 + 77.911 MeV [29.998 MeV] (A_Cd:558)
110Cd48 + 4 D* --> 74Ge32 + 44Ca20 + 77.081 MeV [29.168 MeV] (A_Cd:559)
110Cd48 + 4 D* --> 76Ge32 + 42Ca20 + 73.950 MeV [26.037 MeV] (A_Cd:560)
110Cd48 + 4 D* --> 78Se34 + 40Ar18 + 74.256 MeV [26.343 MeV] (A_Cd:561)
110Cd48 + 4 D* --> 80Se34 + 38Ar18 + 74.664 MeV [26.751 MeV] (A_Cd:562)
110Cd48 + 4 D* --> 82Se34 + 36Ar18 + 70.015 MeV [22.102 MeV] (A_Cd:563)
110Cd48 + 4 D* --> 81Br35 + 37Cl17 + 71.926 MeV [24.013 MeV] (A_Cd:564)
110Cd48 + 4 D* --> 82Kr36 + 36S16 + 73.443 MeV [25.530 MeV] (A_Cd:565)
110Cd48 + 4 D* --> 84Kr36 + 34S16 + 74.553 MeV [26.639 MeV] (A_Cd:566)
110Cd48 + 4 D* --> 86Kr36 + 32S16 + 71.471 MeV [23.558 MeV] (A_Cd:567)
110Cd48 + 4 D* --> 87Rb37 + 31P15 + 71.229 MeV [23.315 MeV] (A_Cd:568)
110Cd48 + 4 D* --> 88Sr38 + 30Si14 + 74.545 MeV [26.631 MeV] (A_Cd:569)
110Cd48 + 4 D* --> 92Zr40 + 26Mg12 + 66.858 MeV [18.945 MeV] (A_Cd:570)
110Cd48 + 4 D* --> 94Zr40 + 24Mg12 + 63.390 MeV [15.477 MeV] (A_Cd:571)
110Cd48 + 4 D* --> 96Mo42 + 22Ne10 + 59.005 MeV [11.092 MeV] (A_Cd:572)
110Cd48 + 4 D* --> 97Mo42 + 21Ne10 + 55.462 MeV [7.549 MeV] (A_Cd:573)
110Cd48 + 4 D* --> 98Mo42 + 20Ne10 + 57.344 MeV [9.430 MeV] (A_Cd:574)
110Cd48 + 4 D* --> 100Ru44 + 18O8 + 52.190 MeV [4.277 MeV] (A_Cd:575)
110Cd48 + 4 D* --> 101Ru44 + 17O8 + 50.948 MeV [3.035 MeV] (A_Cd:576)
110Cd48 + 4 D* --> 102Ru44 + 16O8 + 56.025 MeV [8.112 MeV] (A_Cd:577)
110Cd48 + 4 D* --> 103Rh45 + 15N7 + 50.111 MeV [2.197 MeV] (A_Cd:578)
110Cd48 + 4 D* --> 105Pd46 + 13C6 + 47.478 MeV [-0.436 MeV] (A_Cd:579)
110Cd48 + 4 D* --> 106Pd46 + 12C6 + 52.092 MeV [4.179 MeV] (A_Cd:580)
110Cd48 + 4 D* --> 107Ag47 + 11B5 + 41.924 MeV [-5.990 MeV] (A_Cd:581)
110Cd48 + 4 D* --> 114Sn50 + 4He2 + 50.326 MeV [2.413 MeV] (A_Cd:582)
110Cd48 + 4 D* --> 115Sn50 + 3He2 + 37.295 MeV [-10.619 MeV] (A_Cd:583)

110Cd48 + 5 D* --> 70Zn30 + 50V23 + 94.112 MeV [33.387 MeV] (A_Cd:584)
110Cd48 + 5 D* --> 71Ga31 + 49Ti22 + 94.025 MeV [33.300 MeV] (A_Cd:585)
110Cd48 + 5 D* --> 80Se34 + 40K19 + 86.621 MeV [25.896 MeV] (A_Cd:586)
110Cd48 + 5 D* --> 83Kr36 + 37Cl17 + 87.069 MeV [26.344 MeV] (A_Cd:587)
110Cd48 + 5 D* --> 87Rb37 + 33S16 + 86.509 MeV [25.785 MeV] (A_Cd:588)
110Cd48 + 5 D* --> 97Mo42 + 23Na11 + 72.396 MeV [11.671 MeV] (A_Cd:589)
110Cd48 + 5 D* --> 101Ru44 + 19F9 + 64.763 MeV [4.038 MeV] (A_Cd:590)
110Cd48 + 5 D* --> 103Rh45 + 17O8 + 64.157 MeV [3.432 MeV] (A_Cd:591)
110Cd48 + 5 D* --> 105Pd46 + 15N7 + 63.637 MeV [2.912 MeV] (A_Cd:592)
110Cd48 + 5 D* --> 106Pd46 + 14N7 + 62.365 MeV [1.640 MeV] (A_Cd:593)
110Cd48 + 5 D* --> 107Ag47 + 13C6 + 60.602 MeV [-0.122 MeV] (A_Cd:594)
110Cd48 + 5 D* --> 110Cd48 + 10B5 + 53.628 MeV [-7.097 MeV] (A_Cd:595)
110Cd48 + 5 D* --> 114Sn50 + 6Li3 + 51.800 MeV [-8.925 MeV] (A_Cd:596)

110Cd48 + 6 D* --> 64Ni28 + 58Fe26 + 117.714 MeV [43.851 MeV] (A_Cd:597)
110Cd48 + 6 D* --> 68Zn30 + 54Cr24 + 115.401 MeV [41.538 MeV] (A_Cd:598)
110Cd48 + 6 D* --> 70Zn30 + 52Cr24 + 113.443 MeV [39.580 MeV] (A_Cd:599)

110Cd48 + 6 D* --> 71Ga31 + 51V23 + 110.803 MeV [36.940 MeV] (A_Cd:600)
110Cd48 + 6 D* --> 72Ge32 + 50Ti22 + 112.474 MeV [38.611 MeV] (A_Cd:601)
110Cd48 + 6 D* --> 73Ge32 + 49Ti22 + 108.318 MeV [34.455 MeV] (A_Cd:602)
110Cd48 + 6 D* --> 74Ge32 + 48Ti22 + 110.372 MeV [36.509 MeV] (A_Cd:603)
110Cd48 + 6 D* --> 76Ge32 + 46Ti22 + 105.798 MeV [31.935 MeV] (A_Cd:604)
110Cd48 + 6 D* --> 74Se34 + 48Ca20 + 104.888 MeV [31.025 MeV] (A_Cd:605)
110Cd48 + 6 D* --> 76Se34 + 46Ca20 + 106.848 MeV [32.986 MeV] (A_Cd:606)
110Cd48 + 6 D* --> 78Se34 + 44Ca20 + 106.956 MeV [33.093 MeV] (A_Cd:607)
110Cd48 + 6 D* --> 80Se34 + 42Ca20 + 104.768 MeV [30.905 MeV] (A_Cd:608)
110Cd48 + 6 D* --> 82Se34 + 40Ca20 + 100.902 MeV [27.039 MeV] (A_Cd:609)
110Cd48 + 6 D* --> 81Br35 + 41K19 + 101.995 MeV [28.132 MeV] (A_Cd:610)
110Cd48 + 6 D* --> 82Kr36 + 40Ar18 + 104.091 MeV [30.228 MeV] (A_Cd:611)
110Cd48 + 6 D* --> 84Kr36 + 38Ar18 + 105.607 MeV [31.744 MeV] (A_Cd:612)
110Cd48 + 6 D* --> 86Kr36 + 36Ar18 + 101.958 MeV [28.096 MeV] (A_Cd:613)
110Cd48 + 6 D* --> 85Rb37 + 37Cl17 + 102.390 MeV [28.527 MeV] (A_Cd:614)
110Cd48 + 6 D* --> 87Rb37 + 35Cl17 + 102.073 MeV [28.210 MeV] (A_Cd:615)
110Cd48 + 6 D* --> 86Sr38 + 36S16 + 103.649 MeV [29.786 MeV] (A_Cd:616)
110Cd48 + 6 D* --> 88Sr38 + 34S16 + 106.315 MeV [32.452 MeV] (A_Cd:617)
110Cd48 + 6 D* --> 92Zr40 + 30Si14 + 101.348 MeV [27.485 MeV] (A_Cd:618)
110Cd48 + 6 D* --> 94Zr40 + 28Si14 + 97.221 MeV [23.358 MeV] (A_Cd:619)
110Cd48 + 6 D* --> 96Mo42 + 26Mg12 + 93.466 MeV [19.604 MeV] (A_Cd:620)
110Cd48 + 6 D* --> 97Mo42 + 25Mg12 + 89.195 MeV [15.332 MeV] (A_Cd:621)
110Cd48 + 6 D* --> 98Mo42 + 24Mg12 + 90.507 MeV [16.644 MeV] (A_Cd:622)
110Cd48 + 6 D* --> 100Ru44 + 22Ne10 + 85.705 MeV [11.842 MeV] (A_Cd:623)
110Cd48 + 6 D* --> 101Ru44 + 21Ne10 + 82.143 MeV [8.280 MeV] (A_Cd:624)
110Cd48 + 6 D* --> 102Ru44 + 20Ne10 + 84.601 MeV [10.738 MeV] (A_Cd:625)
110Cd48 + 6 D* --> 103Rh45 + 19F9 + 77.971 MeV [4.108 MeV] (A_Cd:626)
110Cd48 + 6 D* --> 104Pd46 + 18O8 + 78.633 MeV [4.770 MeV] (A_Cd:627)
110Cd48 + 6 D* --> 105Pd46 + 17O8 + 77.683 MeV [3.820 MeV] (A_Cd:628)
110Cd48 + 6 D* --> 106Pd46 + 16O8 + 83.101 MeV [9.238 MeV] (A_Cd:629)
110Cd48 + 6 D* --> 107Ag47 + 15N7 + 76.762 MeV [2.899 MeV] (A_Cd:630)
110Cd48 + 6 D* --> 110Cd48 + 12C6 + 78.814 MeV [4.951 MeV] (A_Cd:631)

110Cd48 + 7 D* --> 71Ga31 + 53Cr24 + 127.022 MeV [39.697 MeV] (A_Cd:632)
110Cd48 + 7 D* --> 73Ge32 + 51V23 + 125.096 MeV [37.771 MeV] (A_Cd:633)
110Cd48 + 7 D* --> 74Ge32 + 50V23 + 124.241 MeV [36.916 MeV] (A_Cd:634)
110Cd48 + 7 D* --> 75As33 + 49Ti22 + 123.188 MeV [35.864 MeV] (A_Cd:635)
110Cd48 + 7 D* --> 81Br35 + 43Ca20 + 117.981 MeV [30.656 MeV] (A_Cd:636)
110Cd48 + 7 D* --> 83Kr36 + 41K19 + 117.138 MeV [29.813 MeV] (A_Cd:637)
110Cd48 + 7 D* --> 84Kr36 + 40K19 + 117.563 MeV [30.239 MeV] (A_Cd:638)
110Cd48 + 7 D* --> 87Sr38 + 37Cl17 + 118.239 MeV [30.914 MeV] (A_Cd:639)
110Cd48 + 7 D* --> 97Mo42 + 27Al13 + 106.334 MeV [19.009 MeV] (A_Cd:640)
110Cd48 + 7 D* --> 101Ru44 + 23Na11 + 99.077 MeV [11.752 MeV] (A_Cd:641)
110Cd48 + 7 D* --> 103Rh45 + 21Ne10 + 95.351 MeV [8.026 MeV] (A_Cd:642)
110Cd48 + 7 D* --> 105Pd46 + 19F9 + 91.497 MeV [4.173 MeV] (A_Cd:643)
110Cd48 + 7 D* --> 107Ag47 + 17O8 + 90.808 MeV [3.483 MeV] (A_Cd:644)
110Cd48 + 7 D* --> 110Cd48 + 14N7 + 89.087 MeV [1.762 MeV] (A_Cd:645)
110Cd48 + 7 D* --> 114Sn50 + 10B5 + 80.107 MeV [-7.217 MeV] (A_Cd:646)

110Cd48 + 8 D* --> 64Ni28 + 62Ni28 + 148.578 MeV [47.471 MeV] (A_Cd:647)
110Cd48 + 8 D* --> 68Zn30 + 58Fe26 + 146.893 MeV [45.786 MeV] (A_Cd:648)
110Cd48 + 8 D* --> 70Zn30 + 56Fe26 + 144.903 MeV [43.796 MeV] (A_Cd:649)
110Cd48 + 8 D* --> 71Ga31 + 55Mn25 + 142.584 MeV [41.477 MeV] (A_Cd:650)
110Cd48 + 8 D* --> 72Ge32 + 54Cr24 + 144.251 MeV [43.144 MeV] (A_Cd:651)

110Cd48 + 8 D* --> 73Ge32 + 53Cr24 + 141.315 MeV [40.208 MeV] (A_Cd:652)
110Cd48 + 8 D* --> 74Ge32 + 52Cr24 + 143.572 MeV [42.465 MeV] (A_Cd:653)
110Cd48 + 8 D* --> 76Ge32 + 50Cr24 + 138.205 MeV [37.098 MeV] (A_Cd:654)
110Cd48 + 8 D* --> 75As33 + 51V23 + 139.967 MeV [38.859 MeV] (A_Cd:655)
110Cd48 + 8 D* --> 76Se34 + 50Ti22 + 141.412 MeV [40.304 MeV] (A_Cd:656)
110Cd48 + 8 D* --> 77Se34 + 49Ti22 + 137.891 MeV [36.784 MeV] (A_Cd:657)
110Cd48 + 8 D* --> 78Se34 + 48Ti22 + 140.247 MeV [39.140 MeV] (A_Cd:658)
110Cd48 + 8 D* --> 80Se34 + 46Ti22 + 136.616 MeV [35.509 MeV] (A_Cd:659)
110Cd48 + 8 D* --> 81Br35 + 45Sc21 + 133.775 MeV [32.668 MeV] (A_Cd:660)
110Cd48 + 8 D* --> 78Kr36 + 48Ca20 + 133.127 MeV [32.020 MeV] (A_Cd:661)
110Cd48 + 8 D* --> 80Kr36 + 46Ca20 + 135.760 MeV [34.653 MeV] (A_Cd:662)
110Cd48 + 8 D* --> 82Kr36 + 44Ca20 + 136.791 MeV [35.684 MeV] (A_Cd:663)
110Cd48 + 8 D* --> 83Kr36 + 43Ca20 + 133.123 MeV [32.016 MeV] (A_Cd:664)
110Cd48 + 8 D* --> 84Kr36 + 42Ca20 + 135.711 MeV [34.604 MeV] (A_Cd:665)
110Cd48 + 8 D* --> 86Kr36 + 40Ca20 + 132.845 MeV [31.738 MeV] (A_Cd:666)
110Cd48 + 8 D* --> 85Rb37 + 41K19 + 132.459 MeV [31.352 MeV] (A_Cd:667)
110Cd48 + 8 D* --> 87Rb37 + 39K19 + 133.138 MeV [32.030 MeV] (A_Cd:668)
110Cd48 + 8 D* --> 86Sr38 + 40Ar18 + 134.296 MeV [33.189 MeV] (A_Cd:669)
110Cd48 + 8 D* --> 88Sr38 + 38Ar18 + 137.369 MeV [36.262 MeV] (A_Cd:670)
110Cd48 + 8 D* --> 89Y39 + 37Cl17 + 134.196 MeV [33.089 MeV] (A_Cd:671)
110Cd48 + 8 D* --> 90Zr40 + 36S16 + 134.164 MeV [33.057 MeV] (A_Cd:672)
110Cd48 + 8 D* --> 92Zr40 + 34S16 + 133.118 MeV [32.011 MeV] (A_Cd:673)
110Cd48 + 8 D* --> 94Zr40 + 32S16 + 128.015 MeV [26.908 MeV] (A_Cd:674)
110Cd48 + 8 D* --> 96Mo42 + 30Si14 + 127.956 MeV [26.849 MeV] (A_Cd:675)
110Cd48 + 8 D* --> 97Mo42 + 29Si14 + 124.168 MeV [23.061 MeV] (A_Cd:676)
110Cd48 + 8 D* --> 98Mo42 + 28Si14 + 124.337 MeV [23.230 MeV] (A_Cd:677)
110Cd48 + 8 D* --> 100Ru44 + 26Mg12 + 120.166 MeV [19.059 MeV] (A_Cd:678)
110Cd48 + 8 D* --> 101Ru44 + 25Mg12 + 115.875 MeV [14.768 MeV] (A_Cd:679)
110Cd48 + 8 D* --> 102Ru44 + 24Mg12 + 117.764 MeV [16.657 MeV] (A_Cd:680)
110Cd48 + 8 D* --> 103Rh45 + 23Na11 + 112.285 MeV [11.178 MeV] (A_Cd:681)
110Cd48 + 8 D* --> 104Pd46 + 22Ne10 + 112.148 MeV [11.040 MeV] (A_Cd:682)
110Cd48 + 8 D* --> 105Pd46 + 21Ne10 + 108.877 MeV [7.770 MeV] (A_Cd:683)
110Cd48 + 8 D* --> 106Pd46 + 20Ne10 + 111.677 MeV [10.570 MeV] (A_Cd:684)
110Cd48 + 8 D* --> 107Ag47 + 19F9 + 104.622 MeV [3.515 MeV] (A_Cd:685)
110Cd48 + 8 D* --> 108Cd48 + 18O8 + 104.767 MeV [3.660 MeV] (A_Cd:686)
110Cd48 + 8 D* --> 110Cd48 + 16O8 + 109.823 MeV [8.716 MeV] (A_Cd:687)
110Cd48 + 8 D* --> 114Sn50 + 12C6 + 105.294 MeV [4.187 MeV] (A_Cd:688)

110Cd48 + 9 D* --> 71Ga31 + 57Fe26 + 158.189 MeV [42.982 MeV] (A_Cd:689)
110Cd48 + 9 D* --> 73Ge32 + 55Mn25 + 156.877 MeV [41.669 MeV] (A_Cd:690)
110Cd48 + 9 D* --> 75As33 + 53Cr24 + 156.186 MeV [40.978 MeV] (A_Cd:691)
110Cd48 + 9 D* --> 77Se34 + 51V23 + 154.669 MeV [39.462 MeV] (A_Cd:692)
110Cd48 + 9 D* --> 78Se34 + 50V23 + 154.116 MeV [38.909 MeV] (A_Cd:693)
110Cd48 + 9 D* --> 79Br35 + 49Ti22 + 152.496 MeV [37.289 MeV] (A_Cd:694)
110Cd48 + 9 D* --> 81Br35 + 47Ti22 + 150.776 MeV [35.569 MeV] (A_Cd:695)
110Cd48 + 9 D* --> 83Kr36 + 45Sc21 + 148.918 MeV [33.711 MeV] (A_Cd:696)
110Cd48 + 9 D* --> 85Rb37 + 43Ca20 + 148.444 MeV [33.237 MeV] (A_Cd:697)
110Cd48 + 9 D* --> 87Sr38 + 41K19 + 148.308 MeV [33.101 MeV] (A_Cd:698)
110Cd48 + 9 D* --> 88Sr38 + 40K19 + 149.325 MeV [34.118 MeV] (A_Cd:699)
110Cd48 + 9 D* --> 91Zr40 + 37Cl17 + 147.520 MeV [32.313 MeV] (A_Cd:700)
110Cd48 + 9 D* --> 97Mo42 + 31P15 + 139.850 MeV [24.643 MeV] (A_Cd:701)
110Cd48 + 9 D* --> 101Ru44 + 27Al13 + 133.015 MeV [17.808 MeV] (A_Cd:702)
110Cd48 + 9 D* --> 103Rh45 + 25Mg12 + 129.084 MeV [13.876 MeV] (A_Cd:703)
110Cd48 + 9 D* --> 105Pd46 + 23Na11 + 125.811 MeV [10.604 MeV] (A_Cd:704)

110Cd48 + 9 D* --> 107Ag47 + 21Ne10 + 122.002 MeV [6.795 MeV] (A_Cd:705)
110Cd48 + 9 D* --> 114Sn50 + 14N7 + 115.566 MeV [00.359 MeV] (A_Cd:706)

110Cd48 + 10 D* --> 65Cu29 + 65Cu29 + 175.532 MeV [45.909 MeV] (A_Cd:707)
110Cd48 + 10 D* --> 66Zn30 + 64Ni28 + 177.003 MeV [47.381 MeV] (A_Cd:708)
110Cd48 + 10 D* --> 68Zn30 + 62Ni28 + 177.758 MeV [48.135 MeV] (A_Cd:709)
110Cd48 + 10 D* --> 70Zn30 + 60Ni28 + 175.041 MeV [45.419 MeV] (A_Cd:710)
110Cd48 + 10 D* --> 71Ga31 + 59Co27 + 173.373 MeV [43.751 MeV] (A_Cd:711)
110Cd48 + 10 D* --> 72Ge32 + 58Fe26 + 175.744 MeV [46.121 MeV] (A_Cd:712)
110Cd48 + 10 D* --> 73Ge32 + 57Fe26 + 172.482 MeV [42.860 MeV] (A_Cd:713)
110Cd48 + 10 D* --> 74Ge32 + 56Fe26 + 175.032 MeV [45.410 MeV] (A_Cd:714)
110Cd48 + 10 D* --> 76Ge32 + 54Fe26 + 170.470 MeV [40.847 MeV] (A_Cd:715)
110Cd48 + 10 D* --> 75As33 + 55Mn25 + 171.747 MeV [42.125 MeV] (A_Cd:716)
110Cd48 + 10 D* --> 76Se34 + 54Cr24 + 173.189 MeV [43.567 MeV] (A_Cd:717)
110Cd48 + 10 D* --> 77Se34 + 53Cr24 + 170.889 MeV [41.266 MeV] (A_Cd:718)
110Cd48 + 10 D* --> 78Se34 + 52Cr24 + 173.447 MeV [43.825 MeV] (A_Cd:719)
110Cd48 + 10 D* --> 80Se34 + 50Cr24 + 169.024 MeV [39.401 MeV] (A_Cd:720)
110Cd48 + 10 D* --> 79Br35 + 51V23 + 169.274 MeV [39.652 MeV] (A_Cd:721)
110Cd48 + 10 D* --> 80Kr36 + 50Ti22 + 170.323 MeV [40.701 MeV] (A_Cd:722)
110Cd48 + 10 D* --> 82Kr36 + 48Ti22 + 170.081 MeV [40.459 MeV] (A_Cd:723)
110Cd48 + 10 D* --> 83Kr36 + 47Ti22 + 165.918 MeV [36.296 MeV] (A_Cd:724)
110Cd48 + 10 D* --> 84Kr36 + 46Ti22 + 167.559 MeV [37.936 MeV] (A_Cd:725)
110Cd48 + 10 D* --> 85Rb37 + 45Sc21 + 164.239 MeV [34.617 MeV] (A_Cd:726)
110Cd48 + 10 D* --> 84Sr38 + 46Ca20 + 164.783 MeV [35.161 MeV] (A_Cd:727)
110Cd48 + 10 D* --> 86Sr38 + 44Ca20 + 166.996 MeV [37.374 MeV] (A_Cd:728)
110Cd48 + 10 D* --> 87Sr38 + 43Ca20 + 164.293 MeV [34.671 MeV] (A_Cd:729)
110Cd48 + 10 D* --> 88Sr38 + 42Ca20 + 167.473 MeV [37.851 MeV] (A_Cd:730)
110Cd48 + 10 D* --> 89Y39 + 41K19 + 164.265 MeV [34.643 MeV] (A_Cd:731)
110Cd48 + 10 D* --> 90Zr40 + 40Ar18 + 164.811 MeV [35.189 MeV] (A_Cd:732)
110Cd48 + 10 D* --> 92Zr40 + 38Ar18 + 164.173 MeV [34.550 MeV] (A_Cd:733)
110Cd48 + 10 D* --> 94Zr40 + 36Ar18 + 158.503 MeV [28.880 MeV] (A_Cd:734)
110Cd48 + 10 D* --> 93Nb41 + 37Cl17 + 159.974 MeV [30.352 MeV] (A_Cd:735)
110Cd48 + 10 D* --> 94Mo42 + 36S16 + 160.078 MeV [30.456 MeV] (A_Cd:736)
110Cd48 + 10 D* --> 96Mo42 + 34S16 + 159.727 MeV [30.104 MeV] (A_Cd:737)
110Cd48 + 10 D* --> 97Mo42 + 33S16 + 155.131 MeV [25.508 MeV] (A_Cd:738)
110Cd48 + 10 D* --> 98Mo42 + 32S16 + 155.132 MeV [25.509 MeV] (A_Cd:739)
110Cd48 + 10 D* --> 100Ru44 + 30Si14 + 154.656 MeV [25.034 MeV] (A_Cd:740)
110Cd48 + 10 D* --> 101Ru44 + 29Si14 + 150.849 MeV [21.227 MeV] (A_Cd:741)
110Cd48 + 10 D* --> 102Ru44 + 28Si14 + 151.595 MeV [21.973 MeV] (A_Cd:742)
110Cd48 + 10 D* --> 103Rh45 + 27Al13 + 146.223 MeV [16.601 MeV] (A_Cd:743)
110Cd48 + 10 D* --> 104Pd46 + 26Mg12 + 146.609 MeV [16.987 MeV] (A_Cd:744)
110Cd48 + 10 D* --> 105Pd46 + 25Mg12 + 142.610 MeV [12.988 MeV] (A_Cd:745)
110Cd48 + 10 D* --> 106Pd46 + 24Mg12 + 144.840 MeV [15.218 MeV] (A_Cd:746)
110Cd48 + 10 D* --> 107Ag47 + 23Na11 + 138.936 MeV [9.314 MeV] (A_Cd:747)
110Cd48 + 10 D* --> 108Cd48 + 22Ne10 + 138.281 MeV [8.659 MeV] (A_Cd:748)
110Cd48 + 10 D* --> 110Cd48 + 20Ne10 + 138.399 MeV [8.777 MeV] (A_Cd:749)
110Cd48 + 10 D* --> 112Sn50 + 18O8 + 130.447 MeV [00.825 MeV] (A_Cd:750)
110Cd48 + 10 D* --> 114Sn50 + 16O8 + 136.302 MeV [6.680 MeV] (A_Cd:751)

110Cd48 + 11 D* --> 67Zn30 + 65Cu29 + 189.284 MeV [44.935 MeV] (A_Cd:752)
110Cd48 + 11 D* --> 71Ga31 + 61Ni28 + 188.501 MeV [44.152 MeV] (A_Cd:753)
110Cd48 + 11 D* --> 73Ge32 + 59Co27 + 187.666 MeV [43.316 MeV] (A_Cd:754)
110Cd48 + 11 D* --> 75As33 + 57Fe26 + 187.352 MeV [43.003 MeV] (A_Cd:755)
110Cd48 + 11 D* --> 77Se34 + 55Mn25 + 186.450 MeV [42.101 MeV] (A_Cd:756)

110Cd48 + 11 D* --> 79Br35 + 53Cr24 + 185.493 MeV [41.144 MeV] (A_Cd:757)
110Cd48 + 11 D* --> 82Kr36 + 50V23 + 183.951 MeV [39.602 MeV] (A_Cd:758)
110Cd48 + 11 D* --> 85Rb37 + 47Ti22 + 181.240 MeV [36.890 MeV] (A_Cd:759)
110Cd48 + 11 D* --> 87Sr38 + 45Sc21 + 180.088 MeV [35.739 MeV] (A_Cd:760)
110Cd48 + 11 D* --> 89Y39 + 43Ca20 + 180.250 MeV [35.901 MeV] (A_Cd:761)
110Cd48 + 11 D* --> 91Zr40 + 41K19 + 177.589 MeV [33.240 MeV] (A_Cd:762)
110Cd48 + 11 D* --> 92Zr40 + 40K19 + 176.129 MeV [31.780 MeV] (A_Cd:763)
110Cd48 + 11 D* --> 95Mo42 + 37Cl17 + 173.609 MeV [29.260 MeV] (A_Cd:764)
110Cd48 + 11 D* --> 97Mo42 + 35Cl17 + 170.694 MeV [26.344 MeV] (A_Cd:765)
110Cd48 + 11 D* --> 101Ru44 + 31P15 + 166.531 MeV [22.181 MeV] (A_Cd:766)
110Cd48 + 11 D* --> 103Rh45 + 29Si14 + 164.057 MeV [19.708 MeV] (A_Cd:767)
110Cd48 + 11 D* --> 105Pd46 + 27Al13 + 159.749 MeV [15.400 MeV] (A_Cd:768)
110Cd48 + 11 D* --> 107Ag47 + 25Mg12 + 155.735 MeV [11.385 MeV] (A_Cd:769)

110Cd48 + 12 D* --> 67Zn30 + 67Zn30 + 203.037 MeV [43.650 MeV] (A_Cd:770)
110Cd48 + 12 D* --> 68Zn30 + 66Zn30 + 206.182 MeV [46.796 MeV] (A_Cd:771)
110Cd48 + 12 D* --> 70Zn30 + 64Zn30 + 202.844 MeV [43.458 MeV] (A_Cd:772)
110Cd48 + 12 D* --> 69Ga31 + 65Cu29 + 203.867 MeV [44.481 MeV] (A_Cd:773)
110Cd48 + 12 D* --> 71Ga31 + 63Cu29 + 202.995 MeV [43.609 MeV] (A_Cd:774)
110Cd48 + 12 D* --> 70Ge32 + 64Ni28 + 204.938 MeV [45.552 MeV] (A_Cd:775)
110Cd48 + 12 D* --> 72Ge32 + 62Ni28 + 206.608 MeV [47.221 MeV] (A_Cd:776)
110Cd48 + 12 D* --> 73Ge32 + 61Ni28 + 202.794 MeV [43.408 MeV] (A_Cd:777)
110Cd48 + 12 D* --> 74Ge32 + 60Ni28 + 205.170 MeV [45.784 MeV] (A_Cd:778)
110Cd48 + 12 D* --> 76Ge32 + 58Ni28 + 200.716 MeV [41.330 MeV] (A_Cd:779)
110Cd48 + 12 D* --> 75As33 + 59Co27 + 202.536 MeV [43.150 MeV] (A_Cd:780)
110Cd48 + 12 D* --> 76Se34 + 58Fe26 + 204.681 MeV [45.295 MeV] (A_Cd:781)
110Cd48 + 12 D* --> 77Se34 + 57Fe26 + 202.055 MeV [42.669 MeV] (A_Cd:782)
110Cd48 + 12 D* --> 78Se34 + 56Fe26 + 204.907 MeV [45.521 MeV] (A_Cd:783)
110Cd48 + 12 D* --> 80Se34 + 54Fe26 + 201.288 MeV [41.902 MeV] (A_Cd:784)
110Cd48 + 12 D* --> 79Br35 + 55Mn25 + 201.055 MeV [41.669 MeV] (A_Cd:785)
110Cd48 + 12 D* --> 80Kr36 + 54Cr24 + 202.101 MeV [42.714 MeV] (A_Cd:786)
110Cd48 + 12 D* --> 82Kr36 + 52Cr24 + 203.282 MeV [43.896 MeV] (A_Cd:787)
110Cd48 + 12 D* --> 84Kr36 + 50Cr24 + 199.966 MeV [40.580 MeV] (A_Cd:788)
110Cd48 + 12 D* --> 84Sr38 + 50Ti22 + 199.346 MeV [39.960 MeV] (A_Cd:789)
110Cd48 + 12 D* --> 86Sr38 + 48Ti22 + 200.287 MeV [40.901 MeV] (A_Cd:790)
110Cd48 + 12 D* --> 87Sr38 + 47Ti22 + 197.088 MeV [37.702 MeV] (A_Cd:791)
110Cd48 + 12 D* --> 88Sr38 + 46Ti22 + 199.321 MeV [39.935 MeV] (A_Cd:792)
110Cd48 + 12 D* --> 89Y39 + 45Sc21 + 196.045 MeV [36.659 MeV] (A_Cd:793)
110Cd48 + 12 D* --> 90Zr40 + 44Ca20 + 197.511 MeV [38.125 MeV] (A_Cd:794)
110Cd48 + 12 D* --> 91Zr40 + 43Ca20 + 193.575 MeV [34.188 MeV] (A_Cd:795)
110Cd48 + 12 D* --> 92Zr40 + 42Ca20 + 194.277 MeV [34.890 MeV] (A_Cd:796)
110Cd48 + 12 D* --> 94Zr40 + 40Ca20 + 189.389 MeV [30.003 MeV] (A_Cd:797)
110Cd48 + 12 D* --> 93Nb41 + 41K19 + 190.043 MeV [30.657 MeV] (A_Cd:798)
110Cd48 + 12 D* --> 94Mo42 + 40Ar18 + 190.725 MeV [31.339 MeV] (A_Cd:799)
110Cd48 + 12 D* --> 96Mo42 + 38Ar18 + 190.781 MeV [31.394 MeV] (A_Cd:800)
110Cd48 + 12 D* --> 98Mo42 + 36Ar18 + 185.619 MeV [26.233 MeV] (A_Cd:801)
110Cd48 + 12 D* --> 98Ru44 + 36S16 + 186.164 MeV [26.778 MeV] (A_Cd:802)
110Cd48 + 12 D* --> 100Ru44 + 34S16 + 186.426 MeV [27.040 MeV] (A_Cd:803)
110Cd48 + 12 D* --> 101Ru44 + 33S16 + 181.811 MeV [22.425 MeV] (A_Cd:804)
110Cd48 + 12 D* --> 102Ru44 + 32S16 + 182.389 MeV [23.003 MeV] (A_Cd:805)
110Cd48 + 12 D* --> 103Rh45 + 31P15 + 179.739 MeV [20.353 MeV] (A_Cd:806)
110Cd48 + 12 D* --> 104Pd46 + 30Si14 + 181.099 MeV [21.712 MeV] (A_Cd:807)
110Cd48 + 12 D* --> 105Pd46 + 29Si14 + 177.584 MeV [18.197 MeV] (A_Cd:808)
110Cd48 + 12 D* --> 106Pd46 + 28Si14 + 178.671 MeV [19.285 MeV] (A_Cd:809)

110Cd48 + 12 D* --> 107Ag47 + 27Al13 + 172.874 MeV [13.488 MeV] (A_Cd:810)
110Cd48 + 12 D* --> 108Cd48 + 26Mg12 + 172.743 MeV [13.356 MeV] (A_Cd:811)
110Cd48 + 12 D* --> 110Cd48 + 24Mg12 + 171.562 MeV [12.176 MeV] (A_Cd:812)
110Cd48 + 12 D* --> 112Sn50 + 22Ne10 + 163.962 MeV [4.575 MeV] (A_Cd:813)
110Cd48 + 12 D* --> 114Sn50 + 20Ne10 + 164.879 MeV [5.492 MeV] (A_Cd:814)

111Cd48 + D* --> 65Cu29 + 48Ca20 + 35.356 MeV [23.918 MeV] (A_Cd:815)
111Cd48 + D* --> 76Ge32 + 37Cl17 + 28.853 MeV [17.415 MeV] (A_Cd:816)
111Cd48 + D* --> 82Se34 + 31P15 + 25.913 MeV [14.476 MeV] (A_Cd:817)
111Cd48 + D* --> 86Kr36 + 27Al13 + 24.340 MeV [12.903 MeV] (A_Cd:818)
111Cd48 + D* --> 87Rb37 + 26Mg12 + 24.691 MeV [13.253 MeV] (A_Cd:819)
111Cd48 + D* --> 94Zr40 + 19F9 + 12.632 MeV [1.195 MeV] (A_Cd:820)
111Cd48 + D* --> 98Mo42 + 15N7 + 11.888 MeV [00.451 MeV] (A_Cd:821)
111Cd48 + D* --> 102Ru44 + 11B5 + 4.308 MeV [-7.129 MeV] (A_Cd:822)
111Cd48 + D* --> 109Ag47 + 4He2 + 10.176 MeV [-1.262 MeV] (A_Cd:823)
111Cd48 + D* --> 112Cd48 + 1H1 + 7.170 MeV [-4.268 MeV] (A_Cd:824)
111Cd48 + D* --> 113In49 + 13.248 MeV [1.810 MeV] (A_Cd:825)

111Cd48 + 2 D* --> 67Zn30 + 48Ca20 + 49.108 MeV [25.893 MeV] (A_Cd:826)
111Cd48 + 2 D* --> 82Se34 + 33S16 + 41.194 MeV [17.978 MeV] (A_Cd:827)
111Cd48 + 2 D* --> 86Kr36 + 29Si14 + 42.175 MeV [18.959 MeV] (A_Cd:828)
111Cd48 + 2 D* --> 94Zr40 + 21Ne10 + 30.013 MeV [6.797 MeV] (A_Cd:829)
111Cd48 + 2 D* --> 97Mo42 + 18O8 + 25.336 MeV [2.120 MeV] (A_Cd:830)
111Cd48 + 2 D* --> 98Mo42 + 17O8 + 25.934 MeV [2.719 MeV] (A_Cd:831)
111Cd48 + 2 D* --> 102Ru44 + 13C6 + 22.987 MeV [-0.229 MeV] (A_Cd:832)
111Cd48 + 2 D* --> 106Pd46 + 9Be4 + 15.569 MeV [-7.647 MeV] (A_Cd:833)
111Cd48 + 2 D* --> 109Ag47 + 6Li3 + 11.650 MeV [-11.566 MeV] (A_Cd:834)
111Cd48 + 2 D* --> 111Cd48 + 4He2 + 23.847 MeV [00.631 MeV] (A_Cd:835)
111Cd48 + 2 D* --> 112Cd48 + 3He2 + 12.663 MeV [-10.552 MeV] (A_Cd:836)
111Cd48 + 2 D* --> 113In49 + 2H1 + 13.248 MeV [-9.968 MeV] (A_Cd:837)
111Cd48 + 2 D* --> 115Sn50 + 27.050 MeV [3.834 MeV] (A_Cd:838)

111Cd48 + 3 D* --> 69Ga31 + 48Ca20 + 63.692 MeV [28.361 MeV] (A_Cd:839)
111Cd48 + 3 D* --> 71Ga31 + 46Ca20 + 63.425 MeV [28.095 MeV] (A_Cd:840)
111Cd48 + 3 D* --> 76Ge32 + 41K19 + 58.922 MeV [23.591 MeV] (A_Cd:841)
111Cd48 + 3 D* --> 80Se34 + 37Cl17 + 59.671 MeV [24.341 MeV] (A_Cd:842)
111Cd48 + 3 D* --> 82Se34 + 35Cl17 + 56.757 MeV [21.427 MeV] (A_Cd:843)
111Cd48 + 3 D* --> 81Br35 + 36S16 + 58.789 MeV [23.458 MeV] (A_Cd:844)
111Cd48 + 3 D* --> 86Kr36 + 31P15 + 57.856 MeV [22.526 MeV] (A_Cd:845)
111Cd48 + 3 D* --> 87Rb37 + 30Si14 + 59.180 MeV [23.850 MeV] (A_Cd:846)
111Cd48 + 3 D* --> 94Zr40 + 23Na11 + 46.946 MeV [11.616 MeV] (A_Cd:847)
111Cd48 + 3 D* --> 98Mo42 + 19F9 + 39.749 MeV [4.418 MeV] (A_Cd:848)
111Cd48 + 3 D* --> 102Ru44 + 15N7 + 39.146 MeV [3.816 MeV] (A_Cd:849)
111Cd48 + 3 D* --> 106Pd46 + 11B5 + 31.384 MeV [-3.946 MeV] (A_Cd:850)
111Cd48 + 3 D* --> 110Cd48 + 7Li3 + 25.594 MeV [-9.736 MeV] (A_Cd:851)
111Cd48 + 3 D* --> 111Cd48 + 6Li3 + 25.320 MeV [-10.010 MeV] (A_Cd:852)
111Cd48 + 3 D* --> 113In49 + 4He2 + 37.094 MeV [1.764 MeV] (A_Cd:853)
111Cd48 + 3 D* --> 115Sn50 + 2H1 + 27.050 MeV [-8.280 MeV] (A_Cd:854)
111Cd48 + 3 D* --> 116Sn50 + 1H1 + 34.389 MeV [-0.942 MeV] (A_Cd:855)

111Cd48 + 4 D* --> 70Zn30 + 49Ti22 + 81.409 MeV [33.630 MeV] (A_Cd:856)
111Cd48 + 4 D* --> 73Ge32 + 46Ca20 + 77.718 MeV [29.939 MeV] (A_Cd:857)
111Cd48 + 4 D* --> 76Ge32 + 43Ca20 + 74.907 MeV [27.128 MeV] (A_Cd:858)
111Cd48 + 4 D* --> 83Kr36 + 36S16 + 73.931 MeV [26.153 MeV] (A_Cd:859)

111Cd48 + 4 D* --> 86Kr36 + 33S16 + 73.137 MeV [25.358 MeV] (A_Cd:860)
111Cd48 + 4 D* --> 94Zr40 + 25Mg12 + 63.745 MeV [15.966 MeV] (A_Cd:861)
111Cd48 + 4 D* --> 97Mo42 + 22Ne10 + 58.851 MeV [11.072 MeV] (A_Cd:862)
111Cd48 + 4 D* --> 98Mo42 + 21Ne10 + 57.129 MeV [9.350 MeV] (A_Cd:863)
111Cd48 + 4 D* --> 101Ru44 + 18O8 + 52.017 MeV [4.238 MeV] (A_Cd:864)
111Cd48 + 4 D* --> 102Ru44 + 17O8 + 53.192 MeV [5.414 MeV] (A_Cd:865)
111Cd48 + 4 D* --> 106Pd46 + 13C6 + 50.063 MeV [2.284 MeV] (A_Cd:866)
111Cd48 + 4 D* --> 109Ag47 + 10B5 + 39.957 MeV [-7.821 MeV] (A_Cd:867)
111Cd48 + 4 D* --> 110Cd48 + 9Be4 + 42.291 MeV [-5.488 MeV] (A_Cd:868)
111Cd48 + 4 D* --> 113In49 + 6Li3 + 38.568 MeV [-9.210 MeV] (A_Cd:869)
111Cd48 + 4 D* --> 115Sn50 + 4He2 + 50.896 MeV [3.118 MeV] (A_Cd:870)
111Cd48 + 4 D* --> 116Sn50 + 3He2 + 39.882 MeV [-7.896 MeV] (A_Cd:871)

111Cd48 + 5 D* --> 70Zn30 + 51V23 + 98.187 MeV [37.630 MeV] (A_Cd:872)
111Cd48 + 5 D* --> 71Ga31 + 50Ti22 + 97.988 MeV [37.431 MeV] (A_Cd:873)
111Cd48 + 5 D* --> 76Ge32 + 45Sc21 + 90.702 MeV [30.145 MeV] (A_Cd:874)
111Cd48 + 5 D* --> 75As33 + 46Ca20 + 92.589 MeV [32.032 MeV] (A_Cd:875)
111Cd48 + 5 D* --> 80Se34 + 41K19 + 89.740 MeV [29.183 MeV] (A_Cd:876)
111Cd48 + 5 D* --> 82Se34 + 39K19 + 87.822 MeV [27.265 MeV] (A_Cd:877)
111Cd48 + 5 D* --> 81Br35 + 40Ar18 + 89.436 MeV [28.879 MeV] (A_Cd:878)
111Cd48 + 5 D* --> 84Kr36 + 37Cl17 + 90.614 MeV [30.057 MeV] (A_Cd:879)
111Cd48 + 5 D* --> 86Kr36 + 35Cl17 + 88.700 MeV [28.143 MeV] (A_Cd:880)
111Cd48 + 5 D* --> 85Rb37 + 36S16 + 89.252 MeV [28.696 MeV] (A_Cd:881)
111Cd48 + 5 D* --> 87Rb37 + 34S16 + 90.951 MeV [30.394 MeV] (A_Cd:882)
111Cd48 + 5 D* --> 94Zr40 + 27Al13 + 80.885 MeV [20.328 MeV] (A_Cd:883)
111Cd48 + 5 D* --> 98Mo42 + 23Na11 + 74.063 MeV [13.506 MeV] (A_Cd:884)
111Cd48 + 5 D* --> 102Ru44 + 19F9 + 67.007 MeV [6.450 MeV] (A_Cd:885)
111Cd48 + 5 D* --> 103Rh45 + 18O8 + 65.225 MeV [4.668 MeV] (A_Cd:886)
111Cd48 + 5 D* --> 106Pd46 + 15N7 + 66.222 MeV [5.665 MeV] (A_Cd:887)
111Cd48 + 5 D* --> 109Ag47 + 12C6 + 65.144 MeV [4.587 MeV] (A_Cd:888)
111Cd48 + 5 D* --> 110Cd48 + 11B5 + 58.106 MeV [-2.451 MeV] (A_Cd:889)
111Cd48 + 5 D* --> 111Cd48 + 10B5 + 53.628 MeV [-6.929 MeV] (A_Cd:890)
111Cd48 + 5 D* --> 114Sn50 + 7Li3 + 52.074 MeV [-8.483 MeV] (A_Cd:891)
111Cd48 + 5 D* --> 115Sn50 + 6Li3 + 52.370 MeV [-8.187 MeV] (A_Cd:892)
111Cd48 + 5 D* --> 120Te52 + 1H1 + 58.537 MeV [-2.020 MeV] (A_Cd:893)

111Cd48 + 6 D* --> 70Zn30 + 53Cr24 + 114.406 MeV [40.744 MeV] (A_Cd:894)
111Cd48 + 6 D* --> 73Ge32 + 50Ti22 + 112.281 MeV [38.619 MeV] (A_Cd:895)
111Cd48 + 6 D* --> 74Ge32 + 49Ti22 + 111.538 MeV [37.876 MeV] (A_Cd:896)
111Cd48 + 6 D* --> 76Ge32 + 47Ti22 + 107.702 MeV [34.040 MeV] (A_Cd:897)
111Cd48 + 6 D* --> 77Se34 + 46Ca20 + 107.291 MeV [33.629 MeV] (A_Cd:898)
111Cd48 + 6 D* --> 80Se34 + 43Ca20 + 105.725 MeV [32.063 MeV] (A_Cd:899)
111Cd48 + 6 D* --> 83Kr36 + 40Ar18 + 104.578 MeV [30.916 MeV] (A_Cd:900)
111Cd48 + 6 D* --> 87Sr38 + 36S16 + 105.101 MeV [31.439 MeV] (A_Cd:901)
111Cd48 + 6 D* --> 94Zr40 + 29Si14 + 98.719 MeV [25.057 MeV] (A_Cd:902)
111Cd48 + 6 D* --> 97Mo42 + 26Mg12 + 93.312 MeV [19.650 MeV] (A_Cd:903)
111Cd48 + 6 D* --> 98Mo42 + 25Mg12 + 90.861 MeV [17.199 MeV] (A_Cd:904)
111Cd48 + 6 D* --> 101Ru44 + 22Ne10 + 85.531 MeV [11.869 MeV] (A_Cd:905)
111Cd48 + 6 D* --> 102Ru44 + 21Ne10 + 84.387 MeV [10.724 MeV] (A_Cd:906)
111Cd48 + 6 D* --> 105Pd46 + 18O8 + 78.751 MeV [5.089 MeV] (A_Cd:907)
111Cd48 + 6 D* --> 106Pd46 + 17O8 + 80.268 MeV [6.606 MeV] (A_Cd:908)
111Cd48 + 6 D* --> 109Ag47 + 14N7 + 75.416 MeV [1.754 MeV] (A_Cd:909)
111Cd48 + 6 D* --> 110Cd48 + 13C6 + 76.785 MeV [3.123 MeV] (A_Cd:910)
111Cd48 + 6 D* --> 111Cd48 + 12C6 + 78.814 MeV [5.152 MeV] (A_Cd:911)

111Cd48 + 6 D* --> 113In49 + 10B5 + 66.876 MeV [-6.786 MeV] (A_Cd:912)
111Cd48 + 6 D* --> 114Sn50 + 9Be4 + 68.770 MeV [-4.892 MeV] (A_Cd:913)
111Cd48 + 6 D* --> 120Te52 + 3He2 + 64.030 MeV [-9.632 MeV] (A_Cd:914)

111Cd48 + 7 D* --> 70Zn30 + 55Mn25 + 129.968 MeV [42.877 MeV] (A_Cd:915)
111Cd48 + 7 D* --> 71Ga31 + 54Cr24 + 129.765 MeV [42.674 MeV] (A_Cd:916)
111Cd48 + 7 D* --> 74Ge32 + 51V23 + 128.316 MeV [41.225 MeV] (A_Cd:917)
111Cd48 + 7 D* --> 75As33 + 50Ti22 + 127.152 MeV [40.060 MeV] (A_Cd:918)
111Cd48 + 7 D* --> 80Se34 + 45Sc21 + 121.520 MeV [34.429 MeV] (A_Cd:919)
111Cd48 + 7 D* --> 79Br35 + 46Ca20 + 121.896 MeV [34.805 MeV] (A_Cd:920)
111Cd48 + 7 D* --> 81Br35 + 44Ca20 + 122.136 MeV [35.045 MeV] (A_Cd:921)
111Cd48 + 7 D* --> 84Kr36 + 41K19 + 120.683 MeV [33.591 MeV] (A_Cd:922)
111Cd48 + 7 D* --> 86Kr36 + 39K19 + 119.765 MeV [32.674 MeV] (A_Cd:923)
111Cd48 + 7 D* --> 85Rb37 + 40Ar18 + 119.900 MeV [32.809 MeV] (A_Cd:924)
111Cd48 + 7 D* --> 87Rb37 + 38Ar18 + 122.005 MeV [34.914 MeV] (A_Cd:925)
111Cd48 + 7 D* --> 88Sr38 + 37Cl17 + 122.376 MeV [35.285 MeV] (A_Cd:926)
111Cd48 + 7 D* --> 89Y39 + 36S16 + 121.058 MeV [33.967 MeV] (A_Cd:927)
111Cd48 + 7 D* --> 94Zr40 + 31P15 + 114.400 MeV [27.309 MeV] (A_Cd:928)
111Cd48 + 7 D* --> 98Mo42 + 27Al13 + 108.001 MeV [20.910 MeV] (A_Cd:929)
111Cd48 + 7 D* --> 102Ru44 + 23Na11 + 101.320 MeV [14.229 MeV] (A_Cd:930)
111Cd48 + 7 D* --> 103Rh45 + 22Ne10 + 98.739 MeV [11.648 MeV] (A_Cd:931)
111Cd48 + 7 D* --> 106Pd46 + 19F9 + 94.082 MeV [6.991 MeV] (A_Cd:932)
111Cd48 + 7 D* --> 107Ag47 + 18O8 + 91.876 MeV [4.785 MeV] (A_Cd:933)
111Cd48 + 7 D* --> 109Ag47 + 16O8 + 96.152 MeV [9.061 MeV] (A_Cd:934)
111Cd48 + 7 D* --> 110Cd48 + 15N7 + 92.944 MeV [5.853 MeV] (A_Cd:935)
111Cd48 + 7 D* --> 111Cd48 + 14N7 + 89.087 MeV [1.995 MeV] (A_Cd:936)
111Cd48 + 7 D* --> 113In49 + 12C6 + 92.062 MeV [4.971 MeV] (A_Cd:937)
111Cd48 + 7 D* --> 114Sn50 + 11B5 + 84.586 MeV [-2.506 MeV] (A_Cd:938)
111Cd48 + 7 D* --> 115Sn50 + 10B5 + 80.678 MeV [-6.413 MeV] (A_Cd:939)
111Cd48 + 7 D* --> 124Xe54 + 1H1 + 83.064 MeV [-4.028 MeV] (A_Cd:940)

111Cd48 + 8 D* --> 70Zn30 + 57Fe26 + 145.573 MeV [44.732 MeV] (A_Cd:941)
111Cd48 + 8 D* --> 73Ge32 + 54Cr24 + 144.058 MeV [43.217 MeV] (A_Cd:942)
111Cd48 + 8 D* --> 74Ge32 + 53Cr24 + 144.535 MeV [43.694 MeV] (A_Cd:943)
111Cd48 + 8 D* --> 77Se34 + 50Ti22 + 141.855 MeV [41.013 MeV] (A_Cd:944)
111Cd48 + 8 D* --> 78Se34 + 49Ti22 + 141.413 MeV [40.572 MeV] (A_Cd:945)
111Cd48 + 8 D* --> 80Se34 + 47Ti22 + 138.521 MeV [37.680 MeV] (A_Cd:946)
111Cd48 + 8 D* --> 83Kr36 + 44Ca20 + 137.278 MeV [36.437 MeV] (A_Cd:947)
111Cd48 + 8 D* --> 84Kr36 + 43Ca20 + 136.668 MeV [35.827 MeV] (A_Cd:948)
111Cd48 + 8 D* --> 87Rb37 + 40K19 + 133.961 MeV [33.120 MeV] (A_Cd:949)
111Cd48 + 8 D* --> 87Sr38 + 40Ar18 + 135.749 MeV [34.908 MeV] (A_Cd:950)
111Cd48 + 8 D* --> 91Zr40 + 36S16 + 134.383 MeV [33.542 MeV] (A_Cd:951)
111Cd48 + 8 D* --> 94Zr40 + 33S16 + 129.681 MeV [28.840 MeV] (A_Cd:952)
111Cd48 + 8 D* --> 97Mo42 + 30Si14 + 127.802 MeV [26.961 MeV] (A_Cd:953)
111Cd48 + 8 D* --> 98Mo42 + 29Si14 + 125.835 MeV [24.994 MeV] (A_Cd:954)
111Cd48 + 8 D* --> 101Ru44 + 26Mg12 + 119.993 MeV [19.152 MeV] (A_Cd:955)
111Cd48 + 8 D* --> 102Ru44 + 25Mg12 + 118.119 MeV [17.278 MeV] (A_Cd:956)
111Cd48 + 8 D* --> 105Pd46 + 22Ne10 + 112.266 MeV [11.425 MeV] (A_Cd:957)
111Cd48 + 8 D* --> 106Pd46 + 21Ne10 + 111.463 MeV [10.621 MeV] (A_Cd:958)
111Cd48 + 8 D* --> 110Cd48 + 17O8 + 106.990 MeV [6.149 MeV] (A_Cd:959)
111Cd48 + 8 D* --> 111Cd48 + 16O8 + 109.823 MeV [8.982 MeV] (A_Cd:960)
111Cd48 + 8 D* --> 113In49 + 14N7 + 102.334 MeV [1.493 MeV] (A_Cd:961)
111Cd48 + 8 D* --> 114Sn50 + 13C6 + 103.264 MeV [2.423 MeV] (A_Cd:962)
111Cd48 + 8 D* --> 115Sn50 + 12C6 + 105.864 MeV [5.023 MeV] (A_Cd:963)

111Cd48 + 8 D* --> 124Xe54 + 3He2 + 88.557 MeV [-12.284 MeV] (A_Cd:964)

111Cd48 + 9 D* --> 65Cu29 + 64Ni28 + 163.327 MeV [48.418 MeV] (A_Cd:965)
111Cd48 + 9 D* --> 70Zn30 + 59Co27 + 160.757 MeV [45.848 MeV] (A_Cd:966)
111Cd48 + 9 D* --> 71Ga31 + 58Fe26 + 161.258 MeV [46.349 MeV] (A_Cd:967)
111Cd48 + 9 D* --> 74Ge32 + 55Mn25 + 160.097 MeV [45.188 MeV] (A_Cd:968)
111Cd48 + 9 D* --> 75As33 + 54Cr24 + 158.929 MeV [44.020 MeV] (A_Cd:969)
111Cd48 + 9 D* --> 78Se34 + 51V23 + 158.191 MeV [43.283 MeV] (A_Cd:970)
111Cd48 + 9 D* --> 79Br35 + 50Ti22 + 156.459 MeV [41.550 MeV] (A_Cd:971)
111Cd48 + 9 D* --> 81Br35 + 48Ti22 + 155.427 MeV [40.518 MeV] (A_Cd:972)
111Cd48 + 9 D* --> 84Kr36 + 45Sc21 + 152.463 MeV [37.554 MeV] (A_Cd:973)
111Cd48 + 9 D* --> 85Rb37 + 44Ca20 + 152.600 MeV [37.691 MeV] (A_Cd:974)
111Cd48 + 9 D* --> 87Rb37 + 42Ca20 + 152.109 MeV [37.200 MeV] (A_Cd:975)
111Cd48 + 9 D* --> 88Sr38 + 41K19 + 152.445 MeV [37.536 MeV] (A_Cd:976)
111Cd48 + 9 D* --> 89Y39 + 40Ar18 + 151.706 MeV [36.797 MeV] (A_Cd:977)
111Cd48 + 9 D* --> 92Zr40 + 37Cl17 + 149.179 MeV [34.271 MeV] (A_Cd:978)
111Cd48 + 9 D* --> 94Zr40 + 35Cl17 + 145.244 MeV [30.336 MeV] (A_Cd:979)
111Cd48 + 9 D* --> 93Nb41 + 36S16 + 146.836 MeV [31.928 MeV] (A_Cd:980)
111Cd48 + 9 D* --> 98Mo42 + 31P15 + 141.517 MeV [26.608 MeV] (A_Cd:981)
111Cd48 + 9 D* --> 102Ru44 + 27Al13 + 135.259 MeV [20.350 MeV] (A_Cd:982)
111Cd48 + 9 D* --> 103Rh45 + 26Mg12 + 133.201 MeV [18.292 MeV] (A_Cd:983)
111Cd48 + 9 D* --> 106Pd46 + 23Na11 + 128.396 MeV [13.488 MeV] (A_Cd:984)
111Cd48 + 9 D* --> 107Ag47 + 22Ne10 + 125.390 MeV [10.482 MeV] (A_Cd:985)
111Cd48 + 9 D* --> 109Ag47 + 20Ne10 + 124.729 MeV [9.820 MeV] (A_Cd:986)
111Cd48 + 9 D* --> 110Cd48 + 19F9 + 120.804 MeV [5.896 MeV] (A_Cd:987)
111Cd48 + 9 D* --> 113In49 + 16O8 + 123.071 MeV [8.162 MeV] (A_Cd:988)
111Cd48 + 9 D* --> 114Sn50 + 15N7 + 119.423 MeV [4.515 MeV] (A_Cd:989)
111Cd48 + 9 D* --> 115Sn50 + 14N7 + 116.137 MeV [1.228 MeV] (A_Cd:990)

111Cd48 + 10 D* --> 67Zn30 + 64Ni28 + 177.079 MeV [47.788 MeV] (A_Cd:991)
111Cd48 + 10 D* --> 70Zn30 + 61Ni28 + 175.885 MeV [46.594 MeV] (A_Cd:992)
111Cd48 + 10 D* --> 73Ge32 + 58Fe26 + 175.551 MeV [46.259 MeV] (A_Cd:993)
111Cd48 + 10 D* --> 74Ge32 + 57Fe26 + 175.702 MeV [46.411 MeV] (A_Cd:994)
111Cd48 + 10 D* --> 77Se34 + 54Cr24 + 173.632 MeV [44.340 MeV] (A_Cd:995)
111Cd48 + 10 D* --> 78Se34 + 53Cr24 + 174.411 MeV [45.119 MeV] (A_Cd:996)
111Cd48 + 10 D* --> 81Br35 + 50V23 + 169.296 MeV [40.005 MeV] (A_Cd:997)
111Cd48 + 10 D* --> 82Kr36 + 49Ti22 + 171.248 MeV [41.956 MeV] (A_Cd:998)
111Cd48 + 10 D* --> 83Kr36 + 48Ti22 + 170.569 MeV [41.278 MeV] (A_Cd:999)
111Cd48 + 10 D* --> 84Kr36 + 47Ti22 + 169.463 MeV [40.172 MeV] (A_Cd:1000)
111Cd48 + 10 D* --> 87Sr38 + 44Ca20 + 168.449 MeV [39.157 MeV] (A_Cd:1001)
111Cd48 + 10 D* --> 88Sr38 + 43Ca20 + 168.430 MeV [39.139 MeV] (A_Cd:1002)
111Cd48 + 10 D* --> 91Zr40 + 40Ar18 + 165.030 MeV [35.738 MeV] (A_Cd:1003)
111Cd48 + 10 D* --> 95Mo42 + 36S16 + 160.471 MeV [31.180 MeV] (A_Cd:1004)
111Cd48 + 10 D* --> 97Mo42 + 34S16 + 159.572 MeV [30.280 MeV] (A_Cd:1005)
111Cd48 + 10 D* --> 98Mo42 + 33S16 + 156.797 MeV [27.506 MeV] (A_Cd:1006)
111Cd48 + 10 D* --> 101Ru44 + 30Si14 + 154.482 MeV [25.191 MeV] (A_Cd:1007)

111Cd48 + 10 D* --> 102Ru44 + 29Si14 + 153.093 MeV [23.801 MeV]
(A_Cd:1008)
111Cd48 + 10 D* --> 105Pd46 + 26Mg12 + 146.727 MeV [17.436 MeV]
(A_Cd:1009)
111Cd48 + 10 D* --> 106Pd46 + 25Mg12 + 145.195 MeV [15.903 MeV]
(A_Cd:1010)
111Cd48 + 10 D* --> 110Cd48 + 21Ne10 + 138.184 MeV [8.893 MeV]
(A_Cd:1011)
111Cd48 + 10 D* --> 111Cd48 + 20Ne10 + 138.399 MeV [9.108 MeV]
(A_Cd:1012)
111Cd48 + 10 D* --> 114Sn50 + 17O8 + 133.469 MeV [4.178 MeV]
(A_Cd:1013)
111Cd48 + 10 D* --> 115Sn50 + 16O8 + 136.873 MeV [7.581 MeV]
(A_Cd:1014)

111Cd48 + 11 D* --> 68Zn30 + 65Cu29 + 192.506 MeV [48.520 MeV]
(A_Cd:1015)
111Cd48 + 11 D* --> 70Zn30 + 63Cu29 + 190.380 MeV [46.393 MeV]
(A_Cd:1016)
111Cd48 + 11 D* --> 69Ga31 + 64Ni28 + 191.662 MeV [47.676 MeV]
(A_Cd:1017)
111Cd48 + 11 D* --> 71Ga31 + 62Ni28 + 192.122 MeV [48.135 MeV]
(A_Cd:1018)
111Cd48 + 11 D* --> 74Ge32 + 59Co27 + 190.886 MeV [46.899 MeV]
(A_Cd:1019)
111Cd48 + 11 D* --> 75As33 + 58Fe26 + 190.421 MeV [46.434 MeV]
(A_Cd:1020)
111Cd48 + 11 D* --> 78Se34 + 55Mn25 + 189.972 MeV [45.985 MeV]
(A_Cd:1021)
111Cd48 + 11 D* --> 79Br35 + 54Cr24 + 188.236 MeV [44.250 MeV]
(A_Cd:1022)
111Cd48 + 11 D* --> 81Br35 + 52Cr24 + 188.627 MeV [44.640 MeV]
(A_Cd:1023)
111Cd48 + 11 D* --> 82Kr36 + 51V23 + 188.026 MeV [44.040 MeV]
(A_Cd:1024)
111Cd48 + 11 D* --> 83Kr36 + 50V23 + 184.439 MeV [40.452 MeV]
(A_Cd:1025)
111Cd48 + 11 D* --> 85Rb37 + 48Ti22 + 185.890 MeV [41.904 MeV]
(A_Cd:1026)
111Cd48 + 11 D* --> 87Rb37 + 46Ti22 + 183.957 MeV [39.970 MeV]
(A_Cd:1027)
111Cd48 + 11 D* --> 88Sr38 + 45Sc21 + 184.225 MeV [40.238 MeV]
(A_Cd:1028)
111Cd48 + 11 D* --> 89Y39 + 44Ca20 + 184.406 MeV [40.419 MeV]
(A_Cd:1029)
111Cd48 + 11 D* --> 92Zr40 + 41K19 + 179.248 MeV [35.262 MeV]
(A_Cd:1030)
111Cd48 + 11 D* --> 94Zr40 + 39K19 + 176.309 MeV [32.322 MeV]
(A_Cd:1031)
111Cd48 + 11 D* --> 93Nb41 + 40Ar18 + 177.484 MeV [33.497 MeV]
(A_Cd:1032)
111Cd48 + 11 D* --> 96Mo42 + 37Cl17 + 175.787 MeV [31.801 MeV]
(A_Cd:1033)
111Cd48 + 11 D* --> 98Mo42 + 35Cl17 + 172.361 MeV [28.374 MeV]

(A_Cd:1034)
111Cd48 + 11 D* --> 102Ru44 + 31P15 + 168.774 MeV [24.788 MeV]
(A_Cd:1035)
111Cd48 + 11 D* --> 103Rh45 + 30Si14 + 167.691 MeV [23.704 MeV]
(A_Cd:1036)
111Cd48 + 11 D* --> 106Pd46 + 27Al13 + 162.335 MeV [18.348 MeV]
(A_Cd:1037)
111Cd48 + 11 D* --> 107Ag47 + 26Mg12 + 159.852 MeV [15.865 MeV]
(A_Cd:1038)
111Cd48 + 11 D* --> 109Ag47 + 24Mg12 + 157.892 MeV [13.905 MeV]
(A_Cd:1039)
111Cd48 + 11 D* --> 110Cd48 + 23Na11 + 155.118 MeV [11.131 MeV]
(A_Cd:1040)
111Cd48 + 11 D* --> 113In49 + 20Ne10 + 151.647 MeV [7.660 MeV]
(A_Cd:1041)
111Cd48 + 11 D* --> 114Sn50 + 19F9 + 147.284 MeV [3.297 MeV]
(A_Cd:1042)

111Cd48 + 12 D* --> 68Zn30 + 67Zn30 + 206.259 MeV [47.267 MeV]
(A_Cd:1043)
111Cd48 + 12 D* --> 73Ge32 + 62Ni28 + 206.415 MeV [47.423 MeV]
(A_Cd:1044)
111Cd48 + 12 D* --> 74Ge32 + 61Ni28 + 206.014 MeV [47.023 MeV]
(A_Cd:1045)
111Cd48 + 12 D* --> 77Se34 + 58Fe26 + 205.124 MeV [46.132 MeV]
(A_Cd:1046)
111Cd48 + 12 D* --> 78Se34 + 57Fe26 + 205.577 MeV [46.586 MeV]
(A_Cd:1047)
111Cd48 + 12 D* --> 82Kr36 + 53Cr24 + 204.245 MeV [45.254 MeV]
(A_Cd:1048)
111Cd48 + 12 D* --> 83Kr36 + 52Cr24 + 203.770 MeV [44.778 MeV]
(A_Cd:1049)
111Cd48 + 12 D* --> 85Rb37 + 50V23 + 199.760 MeV [40.768 MeV]
(A_Cd:1050)
111Cd48 + 12 D* --> 86Sr38 + 49Ti22 + 201.454 MeV [42.462 MeV]
(A_Cd:1051)
111Cd48 + 12 D* --> 87Sr38 + 48Ti22 + 201.739 MeV [42.748 MeV]
(A_Cd:1052)
111Cd48 + 12 D* --> 88Sr38 + 47Ti22 + 201.225 MeV [42.234 MeV]
(A_Cd:1053)
111Cd48 + 12 D* --> 91Zr40 + 44Ca20 + 197.730 MeV [38.738 MeV]
(A_Cd:1054)
111Cd48 + 12 D* --> 92Zr40 + 43Ca20 + 195.234 MeV [36.242 MeV]
(A_Cd:1055)
111Cd48 + 12 D* --> 95Mo42 + 40Ar18 + 191.119 MeV [32.127 MeV]
(A_Cd:1056)
111Cd48 + 12 D* --> 97Mo42 + 38Ar18 + 190.626 MeV [31.634 MeV]
(A_Cd:1057)
111Cd48 + 12 D* --> 99Ru44 + 36S16 + 186.652 MeV [27.660 MeV]
(A_Cd:1058)
111Cd48 + 12 D* --> 101Ru44 + 34S16 + 186.253 MeV [27.261 MeV]
(A_Cd:1059)
111Cd48 + 12 D* --> 102Ru44 + 33S16 + 184.055 MeV [25.063 MeV]
(A_Cd:1060)

111Cd48 + 12 D* --> 105Pd46 + 30Si14 + 181.217 MeV [22.225 MeV]
(A_Cd:1061)
111Cd48 + 12 D* --> 106Pd46 + 29Si14 + 180.169 MeV [21.177 MeV]
(A_Cd:1062)
111Cd48 + 12 D* --> 110Cd48 + 25Mg12 + 171.917 MeV [12.925 MeV]
(A_Cd:1063)
111Cd48 + 12 D* --> 111Cd48 + 24Mg12 + 171.562 MeV [12.571 MeV]
(A_Cd:1064)
111Cd48 + 12 D* --> 114Sn50 + 21Ne10 + 164.664 MeV [5.672 MeV]
(A_Cd:1065)
111Cd48 + 12 D* --> 115Sn50 + 20Ne10 + 165.449 MeV [6.457 MeV]
(A_Cd:1066)

112Cd48 + D* --> 100Mo42 + 14N7 + 5.876 MeV [-5.528 MeV]
(A_Cd:1067)
112Cd48 + D* --> 113Cd48 + 1H1 + 4.316 MeV [-7.089 MeV]
(A_Cd:1068)

112Cd48 + 2 D* --> 68Zn30 + 48Ca20 + 49.912 MeV [26.764 MeV]
(A_Cd:1069)
112Cd48 + 2 D* --> 70Zn30 + 46Ca20 + 48.391 MeV [25.242 MeV]
(A_Cd:1070)
112Cd48 + 2 D* --> 76Ge32 + 40Ar18 + 43.944 MeV [20.795 MeV]
(A_Cd:1071)
112Cd48 + 2 D* --> 80Se34 + 36S16 + 44.115 MeV [20.966 MeV]
(A_Cd:1072)
112Cd48 + 2 D* --> 82Se34 + 34S16 + 43.217 MeV [20.068 MeV]
(A_Cd:1073)
112Cd48 + 2 D* --> 86Kr36 + 30Si14 + 43.389 MeV [20.241 MeV]
(A_Cd:1074)
112Cd48 + 2 D* --> 94Zr40 + 22Ne10 + 30.982 MeV [7.834 MeV]
(A_Cd:1075)
112Cd48 + 2 D* --> 96Zr40 + 20Ne10 + 28.176 MeV [5.027 MeV]
(A_Cd:1076)
112Cd48 + 2 D* --> 98Mo42 + 18O8 + 24.584 MeV [1.436 MeV]
(A_Cd:1077)
112Cd48 + 2 D* --> 100Mo42 + 16O8 + 26.612 MeV [3.464 MeV]
(A_Cd:1078)
112Cd48 + 2 D* --> 104Ru44 + 12C6 + 23.780 MeV [00.631 MeV]
(A_Cd:1079)
112Cd48 + 2 D* --> 109Ag47 + 7Li3 + 9.505 MeV [-13.643 MeV]
(A_Cd:1080)
112Cd48 + 2 D* --> 112Cd48 + 4He2 + 23.847 MeV [00.698 MeV]
(A_Cd:1081)
112Cd48 + 2 D* --> 113Cd48 + 3He2 + 9.809 MeV [-13.340 MeV]
(A_Cd:1082)
112Cd48 + 2 D* --> 115In49 + 1H1 + 17.939 MeV [-5.210 MeV]
(A_Cd:1083)
112Cd48 + 2 D* --> 116Sn50 + 27.219 MeV [4.070 MeV]
(A_Cd:1084)

112Cd48 + 3 D* --> 104Ru44 + 14N7 + 34.052 MeV [-1.178 MeV]
(A_Cd:1085)
112Cd48 + 3 D* --> 108Pd46 + 10B5 + 26.300 MeV [-8.930 MeV]

(A_Cd:1086)
112Cd48 + 3 D* --> 109Ag47 + 9Be4 + 26.202 MeV [-9.029 MeV]
(A_Cd:1087)
112Cd48 + 3 D* --> 111Cd48 + 7Li3 + 23.176 MeV [-12.054 MeV]
(A_Cd:1088)
112Cd48 + 3 D* --> 112Cd48 + 6Li3 + 25.320 MeV [-9.910 MeV]
(A_Cd:1089)
112Cd48 + 3 D* --> 115In49 + 3He2 + 23.432 MeV [-11.798 MeV]
(A_Cd:1090)
112Cd48 + 3 D* --> 116Sn50 + 2H1 + 27.219 MeV [-8.011 MeV]
(A_Cd:1091)
112Cd48 + 3 D* --> 117Sn50 + 1H1 + 31.938 MeV [-3.293 MeV]
(A_Cd:1092)

112Cd48 + 4 D* --> 70Zn30 + 50Ti22 + 82.954 MeV [35.308 MeV]
(A_Cd:1093)
112Cd48 + 4 D* --> 72Ge32 + 48Ca20 + 78.762 MeV [31.117 MeV]
(A_Cd:1094)
112Cd48 + 4 D* --> 74Ge32 + 46Ca20 + 78.520 MeV [30.874 MeV]
(A_Cd:1095)
112Cd48 + 4 D* --> 76Ge32 + 44Ca20 + 76.644 MeV [28.998 MeV]
(A_Cd:1096)
112Cd48 + 4 D* --> 80Se34 + 40Ar18 + 74.762 MeV [27.117 MeV]
(A_Cd:1097)
112Cd48 + 4 D* --> 82Se34 + 38Ar18 + 74.271 MeV [26.625 MeV]
(A_Cd:1098)
112Cd48 + 4 D* --> 84Kr36 + 36S16 + 75.057 MeV [27.412 MeV]
(A_Cd:1099)
112Cd48 + 4 D* --> 86Kr36 + 34S16 + 75.160 MeV [27.514 MeV]
(A_Cd:1100)
112Cd48 + 4 D* --> 94Zr40 + 26Mg12 + 65.444 MeV [17.798 MeV]
(A_Cd:1101)
112Cd48 + 4 D* --> 96Zr40 + 24Mg12 + 61.339 MeV [13.693 MeV]
(A_Cd:1102)
112Cd48 + 4 D* --> 98Mo42 + 22Ne10 + 58.099 MeV [10.453 MeV]
(A_Cd:1103)
112Cd48 + 4 D* --> 100Mo42 + 20Ne10 + 55.189 MeV [7.543 MeV]
(A_Cd:1104)
112Cd48 + 4 D* --> 102Ru44 + 18O8 + 51.842 MeV [4.196 MeV]
(A_Cd:1105)
112Cd48 + 4 D* --> 104Ru44 + 16O8 + 54.788 MeV [7.143 MeV]
(A_Cd:1106)
112Cd48 + 4 D* --> 108Pd46 + 12C6 + 51.487 MeV [3.841 MeV]
(A_Cd:1107)
112Cd48 + 4 D* --> 109Ag47 + 11B5 + 42.017 MeV [-5.628 MeV]
(A_Cd:1108)
112Cd48 + 4 D* --> 111Cd48 + 9Be4 + 39.872 MeV [-7.773 MeV]
(A_Cd:1109)
112Cd48 + 4 D* --> 113In49 + 7Li3 + 36.424 MeV [-11.222 MeV]
(A_Cd:1110)
112Cd48 + 4 D* --> 116Sn50 + 4He2 + 51.066 MeV [3.420 MeV]
(A_Cd:1111)
112Cd48 + 4 D* --> 117Sn50 + 3He2 + 37.431 MeV [-10.214 MeV]
(A_Cd:1112)

112Cd48 + 4 D* --> 120Te52 + 51.367 MeV [3.721 MeV]
(A_Cd:1113)

112Cd48 + 5 D* --> 82Se34 + 40K19 + 86.227 MeV [25.836 MeV]
(A_Cd:1114)
112Cd48 + 5 D* --> 108Pd46 + 14N7 + 61.759 MeV [1.368 MeV]
(A_Cd:1115)
112Cd48 + 5 D* --> 109Ag47 + 13C6 + 60.696 MeV [00.305 MeV]
(A_Cd:1116)
112Cd48 + 5 D* --> 111Cd48 + 11B5 + 55.688 MeV [-4.703 MeV]
(A_Cd:1117)
112Cd48 + 5 D* --> 112Cd48 + 10B5 + 53.628 MeV [-6.763 MeV]
(A_Cd:1118)
112Cd48 + 5 D* --> 113In49 + 9Be4 + 53.120 MeV [-7.271 MeV]
(A_Cd:1119)
112Cd48 + 5 D* --> 115Sn50 + 7Li3 + 50.226 MeV [-10.165 MeV]
(A_Cd:1120)
112Cd48 + 5 D* --> 116Sn50 + 6Li3 + 52.539 MeV [-7.852 MeV]
(A_Cd:1121)
112Cd48 + 5 D* --> 120Te52 + 2H1 + 51.367 MeV [-9.024 MeV]
(A_Cd:1122)

112Cd48 + 6 D* --> 70Zn30 + 54Cr24 + 114.731 MeV [41.267 MeV]
(A_Cd:1123)
112Cd48 + 6 D* --> 74Ge32 + 50Ti22 + 113.083 MeV [39.619 MeV]
(A_Cd:1124)
112Cd48 + 6 D* --> 76Ge32 + 48Ti22 + 109.935 MeV [36.471 MeV]
(A_Cd:1125)
112Cd48 + 6 D* --> 76Se34 + 48Ca20 + 107.700 MeV [34.236 MeV]
(A_Cd:1126)
112Cd48 + 6 D* --> 78Se34 + 46Ca20 + 108.395 MeV [34.931 MeV]
(A_Cd:1127)
112Cd48 + 6 D* --> 80Se34 + 44Ca20 + 107.462 MeV [33.999 MeV]
(A_Cd:1128)
112Cd48 + 6 D* --> 82Se34 + 42Ca20 + 104.375 MeV [30.911 MeV]
(A_Cd:1129)
112Cd48 + 6 D* --> 84Kr36 + 40Ar18 + 105.705 MeV [32.241 MeV]
(A_Cd:1130)
112Cd48 + 6 D* --> 86Kr36 + 38Ar18 + 106.214 MeV [32.750 MeV]
(A_Cd:1131)
112Cd48 + 6 D* --> 87Rb37 + 37Cl17 + 104.593 MeV [31.130 MeV]
(A_Cd:1132)
112Cd48 + 6 D* --> 88Sr38 + 36S16 + 106.820 MeV [33.356 MeV]
(A_Cd:1133)
112Cd48 + 6 D* --> 94Zr40 + 30Si14 + 99.934 MeV [26.470 MeV]
(A_Cd:1134)
112Cd48 + 6 D* --> 96Zr40 + 28Si14 + 95.169 MeV [21.706 MeV]
(A_Cd:1135)
112Cd48 + 6 D* --> 98Mo42 + 26Mg12 + 92.560 MeV [19.096 MeV]
(A_Cd:1136)
112Cd48 + 6 D* --> 100Mo42 + 24Mg12 + 88.352 MeV [14.888 MeV]
(A_Cd:1137)
112Cd48 + 6 D* --> 102Ru44 + 22Ne10 + 85.357 MeV [11.893 MeV]
(A_Cd:1138)

112Cd48 + 6 D* --> 104Ru44 + 20Ne10 + 83.365 MeV [9.901 MeV]
(A_Cd:1139)
112Cd48 + 6 D* --> 106Pd46 + 18O8 + 78.918 MeV [5.454 MeV]
(A_Cd:1140)
112Cd48 + 6 D* --> 108Pd46 + 16O8 + 82.495 MeV [9.031 MeV]
(A_Cd:1141)
112Cd48 + 6 D* --> 109Ag47 + 15N7 + 76.855 MeV [3.391 MeV]
(A_Cd:1142)
112Cd48 + 6 D* --> 111Cd48 + 13C6 + 74.366 MeV [00.903 MeV]
(A_Cd:1143)
112Cd48 + 6 D* --> 112Cd48 + 12C6 + 78.814 MeV [5.351 MeV]
(A_Cd:1144)
112Cd48 + 6 D* --> 113In49 + 11B5 + 68.936 MeV [-4.528 MeV]
(A_Cd:1145)
112Cd48 + 6 D* --> 115Sn50 + 9Be4 + 66.922 MeV [-6.541 MeV]
(A_Cd:1146)
112Cd48 + 6 D* --> 120Te52 + 4He2 + 75.213 MeV [1.750 MeV]
(A_Cd:1147)
112Cd48 + 6 D* --> 124Xe54 + 75.894 MeV [2.430 MeV]
(A_Cd:1148)

112Cd48 + 7 D* --> 76Ge32 + 50V23 + 123.804 MeV [36.944 MeV]
(A_Cd:1149)
112Cd48 + 7 D* --> 86Kr36 + 40K19 + 118.170 MeV [31.310 MeV]
(A_Cd:1150)
112Cd48 + 7 D* --> 109Ag47 + 17O8 + 90.901 MeV [4.041 MeV]
(A_Cd:1151)
112Cd48 + 7 D* --> 111Cd48 + 15N7 + 90.526 MeV [3.665 MeV]
(A_Cd:1152)
112Cd48 + 7 D* --> 112Cd48 + 14N7 + 89.087 MeV [2.226 MeV]
(A_Cd:1153)
112Cd48 + 7 D* --> 113In49 + 13C6 + 87.614 MeV [00.754 MeV]
(A_Cd:1154)
112Cd48 + 7 D* --> 115Sn50 + 11B5 + 82.738 MeV [-4.123 MeV]
(A_Cd:1155)
112Cd48 + 7 D* --> 116Sn50 + 10B5 + 80.847 MeV [-6.013 MeV]
(A_Cd:1156)
112Cd48 + 7 D* --> 120Te52 + 6Li3 + 76.687 MeV [-10.173 MeV]
(A_Cd:1157)
112Cd48 + 7 D* --> 124Xe54 + 2H1 + 75.894 MeV [-10.966 MeV]
(A_Cd:1158)

112Cd48 + 8 D* --> 64Ni28 + 64Ni28 + 148.704 MeV [48.126 MeV]
(A_Cd:1159)
112Cd48 + 8 D* --> 70Zn30 + 58Fe26 + 146.223 MeV [45.646 MeV]
(A_Cd:1160)
112Cd48 + 8 D* --> 74Ge32 + 54Cr24 + 144.860 MeV [44.283 MeV]
(A_Cd:1161)
112Cd48 + 8 D* --> 76Ge32 + 52Cr24 + 143.135 MeV [42.558 MeV]
(A_Cd:1162)
112Cd48 + 8 D* --> 78Se34 + 50Ti22 + 142.958 MeV [42.380 MeV]
(A_Cd:1163)
112Cd48 + 8 D* --> 80Se34 + 48Ti22 + 140.753 MeV [40.175 MeV]
(A_Cd:1164)

112Cd48 + 8 D* --> 82Se34 + 46Ti22 + 136.223 MeV [35.645 MeV]
(A_Cd:1165)
112Cd48 + 8 D* --> 80Kr36 + 48Ca20 + 136.612 MeV [36.034 MeV]
(A_Cd:1166)
112Cd48 + 8 D* --> 82Kr36 + 46Ca20 + 138.230 MeV [37.652 MeV]
(A_Cd:1167)
112Cd48 + 8 D* --> 84Kr36 + 44Ca20 + 138.405 MeV [37.827 MeV]
(A_Cd:1168)
112Cd48 + 8 D* --> 86Kr36 + 42Ca20 + 136.318 MeV [35.740 MeV]
(A_Cd:1169)
112Cd48 + 8 D* --> 87Rb37 + 41K19 + 134.662 MeV [34.084 MeV]
(A_Cd:1170)
112Cd48 + 8 D* --> 88Sr38 + 40Ar18 + 137.467 MeV [36.889 MeV]
(A_Cd:1171)
112Cd48 + 8 D* --> 92Zr40 + 36S16 + 133.623 MeV [33.045 MeV]
(A_Cd:1172)
112Cd48 + 8 D* --> 94Zr40 + 34S16 + 131.704 MeV [31.126 MeV]
(A_Cd:1173)
112Cd48 + 8 D* --> 96Zr40 + 32S16 + 125.964 MeV [25.386 MeV]
(A_Cd:1174)
112Cd48 + 8 D* --> 98Mo42 + 30Si14 + 127.050 MeV [26.472 MeV]
(A_Cd:1175)
112Cd48 + 8 D* --> 100Mo42 + 28Si14 + 122.182 MeV [21.605 MeV]
(A_Cd:1176)
112Cd48 + 8 D* --> 102Ru44 + 26Mg12 + 119.818 MeV [19.240 MeV]
(A_Cd:1177)
112Cd48 + 8 D* --> 104Ru44 + 24Mg12 + 116.528 MeV [15.950 MeV]
(A_Cd:1178)
112Cd48 + 8 D* --> 106Pd46 + 22Ne10 + 112.432 MeV [11.855 MeV]
(A_Cd:1179)
112Cd48 + 8 D* --> 108Pd46 + 20Ne10 + 111.071 MeV [10.494 MeV]
(A_Cd:1180)
112Cd48 + 8 D* --> 109Ag47 + 19F9 + 104.715 MeV [4.138 MeV]
(A_Cd:1181)
112Cd48 + 8 D* --> 110Cd48 + 18O8 + 105.640 MeV [5.062 MeV]
(A_Cd:1182)
112Cd48 + 8 D* --> 111Cd48 + 17O8 + 104.572 MeV [3.994 MeV]
(A_Cd:1183)
112Cd48 + 8 D* --> 112Cd48 + 16O8 + 109.823 MeV [9.245 MeV]
(A_Cd:1184)
112Cd48 + 8 D* --> 113In49 + 15N7 + 103.773 MeV [3.196 MeV]
(A_Cd:1185)
112Cd48 + 8 D* --> 115Sn50 + 13C6 + 101.416 MeV [00.838 MeV]
(A_Cd:1186)
112Cd48 + 8 D* --> 116Sn50 + 12C6 + 106.033 MeV [5.456 MeV]
(A_Cd:1187)
112Cd48 + 8 D* --> 124Xe54 + 4He2 + 99.740 MeV [-0.837 MeV]
(A_Cd:1188)

112Cd48 + 9 D* --> 80Se34 + 50V23 + 154.622 MeV [40.009 MeV]
(A_Cd:1189)
112Cd48 + 9 D* --> 81Br35 + 49Ti22 + 154.175 MeV [39.561 MeV]
(A_Cd:1190)
112Cd48 + 9 D* --> 87Rb37 + 43Ca20 + 150.647 MeV [36.034 MeV]

(A_Cd:1191)
112Cd48 + 9 D* --> 109Ag47 + 21Ne10 + 122.095 MeV [7.482 MeV]
(A_Cd:1192)
112Cd48 + 9 D* --> 111Cd48 + 19F9 + 118.386 MeV [3.773 MeV]
(A_Cd:1193)
112Cd48 + 9 D* --> 113In49 + 17O8 + 117.819 MeV [3.206 MeV]
(A_Cd:1194)
112Cd48 + 9 D* --> 115Sn50 + 15N7 + 117.576 MeV [2.962 MeV]
(A_Cd:1195)
112Cd48 + 9 D* --> 116Sn50 + 14N7 + 116.306 MeV [1.692 MeV]
(A_Cd:1196)
112Cd48 + 9 D* --> 120Te52 + 10B5 + 104.995 MeV [-9.619 MeV]
(A_Cd:1197)
112Cd48 + 9 D* --> 124Xe54 + 6Li3 + 101.214 MeV [-13.399 MeV]
(A_Cd:1198)

112Cd48 + 10 D* --> 68Zn30 + 64Ni28 + 177.883 MeV [48.919 MeV]
(A_Cd:1199)
112Cd48 + 10 D* --> 70Zn30 + 62Ni28 + 177.087 MeV [48.123 MeV]
(A_Cd:1200)
112Cd48 + 10 D* --> 74Ge32 + 58Fe26 + 176.353 MeV [47.388 MeV]
(A_Cd:1201)
112Cd48 + 10 D* --> 76Ge32 + 56Fe26 + 174.595 MeV [45.631 MeV]
(A_Cd:1202)
112Cd48 + 10 D* --> 78Se34 + 54Cr24 + 174.735 MeV [45.771 MeV]
(A_Cd:1203)
112Cd48 + 10 D* --> 80Se34 + 52Cr24 + 173.954 MeV [44.989 MeV]
(A_Cd:1204)
112Cd48 + 10 D* --> 82Se34 + 50Cr24 + 168.630 MeV [39.666 MeV]
(A_Cd:1205)
112Cd48 + 10 D* --> 81Br35 + 51V23 + 170.953 MeV [41.989 MeV]
(A_Cd:1206)
112Cd48 + 10 D* --> 82Kr36 + 50Ti22 + 172.793 MeV [43.829 MeV]
(A_Cd:1207)
112Cd48 + 10 D* --> 83Kr36 + 49Ti22 + 169.317 MeV [40.353 MeV]
(A_Cd:1208)
112Cd48 + 10 D* --> 84Kr36 + 48Ti22 + 171.695 MeV [42.731 MeV]
(A_Cd:1209)
112Cd48 + 10 D* --> 86Kr36 + 46Ti22 + 168.166 MeV [39.201 MeV]
(A_Cd:1210)
112Cd48 + 10 D* --> 87Rb37 + 45Sc21 + 166.442 MeV [37.478 MeV]
(A_Cd:1211)
112Cd48 + 10 D* --> 84Sr38 + 48Ca20 + 165.635 MeV [36.670 MeV]
(A_Cd:1212)
112Cd48 + 10 D* --> 86Sr38 + 46Ca20 + 168.435 MeV [39.471 MeV]
(A_Cd:1213)
112Cd48 + 10 D* --> 88Sr38 + 44Ca20 + 170.167 MeV [41.203 MeV]
(A_Cd:1214)
112Cd48 + 10 D* --> 92Zr40 + 40Ar18 + 164.270 MeV [35.306 MeV]
(A_Cd:1215)
112Cd48 + 10 D* --> 94Zr40 + 38Ar18 + 162.758 MeV [33.794 MeV]
(A_Cd:1216)
112Cd48 + 10 D* --> 96Zr40 + 36Ar18 + 156.451 MeV [27.487 MeV]
(A_Cd:1217)

112Cd48 + 10 D* --> 96Mo42 + 36S16 + 160.231 MeV [31.267 MeV]
(A_Cd:1218)
112Cd48 + 10 D* --> 98Mo42 + 34S16 + 158.820 MeV [29.856 MeV]
(A_Cd:1219)
112Cd48 + 10 D* --> 100Mo42 + 32S16 + 152.977 MeV [24.012 MeV]
(A_Cd:1220)
112Cd48 + 10 D* --> 102Ru44 + 30Si14 + 154.308 MeV [25.343 MeV]
(A_Cd:1221)
112Cd48 + 10 D* --> 104Ru44 + 28Si14 + 150.358 MeV [21.394 MeV]
(A_Cd:1222)
112Cd48 + 10 D* --> 106Pd46 + 26Mg12 + 146.894 MeV [17.930 MeV]
(A_Cd:1223)
112Cd48 + 10 D* --> 108Pd46 + 24Mg12 + 144.235 MeV [15.270 MeV]
(A_Cd:1224)
112Cd48 + 10 D* --> 109Ag47 + 23Na11 + 139.029 MeV [10.065 MeV]
(A_Cd:1225)
112Cd48 + 10 D* --> 110Cd48 + 22Ne10 + 139.154 MeV [10.190 MeV]
(A_Cd:1226)
112Cd48 + 10 D* --> 111Cd48 + 21Ne10 + 135.766 MeV [6.802 MeV]
(A_Cd:1227)
112Cd48 + 10 D* --> 112Cd48 + 20Ne10 + 138.399 MeV [9.435 MeV]
(A_Cd:1228)
112Cd48 + 10 D* --> 113In49 + 19F9 + 131.634 MeV [2.669 MeV]
(A_Cd:1229)
112Cd48 + 10 D* --> 114Sn50 + 18O8 + 132.119 MeV [3.155 MeV]
(A_Cd:1230)
112Cd48 + 10 D* --> 115Sn50 + 17O8 + 131.621 MeV [2.657 MeV]
(A_Cd:1231)
112Cd48 + 10 D* --> 116Sn50 + 16O8 + 137.042 MeV [8.078 MeV]
(A_Cd:1232)
112Cd48 + 10 D* --> 120Te52 + 12C6 + 130.181 MeV [1.217 MeV]
(A_Cd:1233)

112Cd48 + 11 D* --> 81Br35 + 53Cr24 + 187.172 MeV [43.544 MeV]
(A_Cd:1234)
112Cd48 + 11 D* --> 83Kr36 + 51V23 + 186.096 MeV [42.468 MeV]
(A_Cd:1235)
112Cd48 + 11 D* --> 84Kr36 + 50V23 + 185.565 MeV [41.937 MeV]
(A_Cd:1236)
112Cd48 + 11 D* --> 85Rb37 + 49Ti22 + 184.639 MeV [41.011 MeV]
(A_Cd:1237)
112Cd48 + 11 D* --> 87Rb37 + 47Ti22 + 183.443 MeV [39.815 MeV]
(A_Cd:1238)
112Cd48 + 11 D* --> 94Zr40 + 40K19 + 174.714 MeV [31.087 MeV]
(A_Cd:1239)
112Cd48 + 11 D* --> 97Mo42 + 37Cl17 + 173.214 MeV [29.587 MeV]
(A_Cd:1240)
112Cd48 + 11 D* --> 109Ag47 + 25Mg12 + 155.828 MeV [12.200 MeV]
(A_Cd:1241)
112Cd48 + 11 D* --> 111Cd48 + 23Na11 + 152.700 MeV [9.072 MeV]
(A_Cd:1242)
112Cd48 + 11 D* --> 113In49 + 21Ne10 + 149.014 MeV [5.386 MeV]
(A_Cd:1243)
112Cd48 + 11 D* --> 115Sn50 + 19F9 + 145.436 MeV [1.808 MeV]

(A_Cd:1244)
112Cd48 + 11 D* --> 120Te52 + 14N7 + 140.454 MeV [-3.174 MeV]
(A_Cd:1245)
112Cd48 + 11 D* --> 124Xe54 + 10B5 + 129.522 MeV [-14.106 MeV]
(A_Cd:1246)

112Cd48 + 12 D* --> 68Zn30 + 68Zn30 + 207.063 MeV [48.462 MeV]
(A_Cd:1247)
112Cd48 + 12 D* --> 70Zn30 + 66Zn30 + 205.512 MeV [46.911 MeV]
(A_Cd:1248)
112Cd48 + 12 D* --> 71Ga31 + 65Cu29 + 204.452 MeV [45.851 MeV]
(A_Cd:1249)
112Cd48 + 12 D* --> 72Ge32 + 64Ni28 + 206.733 MeV [48.132 MeV]
(A_Cd:1250)
112Cd48 + 12 D* --> 74Ge32 + 62Ni28 + 207.217 MeV [48.616 MeV]
(A_Cd:1251)
112Cd48 + 12 D* --> 76Ge32 + 60Ni28 + 204.733 MeV [46.132 MeV]
(A_Cd:1252)
112Cd48 + 12 D* --> 78Se34 + 58Fe26 + 206.228 MeV [47.627 MeV]
(A_Cd:1253)
112Cd48 + 12 D* --> 80Se34 + 56Fe26 + 205.413 MeV [46.812 MeV]
(A_Cd:1254)
112Cd48 + 12 D* --> 82Se34 + 54Fe26 + 200.895 MeV [42.294 MeV]
(A_Cd:1255)
112Cd48 + 12 D* --> 81Br35 + 55Mn25 + 202.734 MeV [44.132 MeV]
(A_Cd:1256)
112Cd48 + 12 D* --> 82Kr36 + 54Cr24 + 204.570 MeV [45.969 MeV]
(A_Cd:1257)
112Cd48 + 12 D* --> 83Kr36 + 53Cr24 + 202.315 MeV [43.714 MeV]
(A_Cd:1258)
112Cd48 + 12 D* --> 84Kr36 + 52Cr24 + 204.896 MeV [46.295 MeV]
(A_Cd:1259)
112Cd48 + 12 D* --> 86Kr36 + 50Cr24 + 200.573 MeV [41.972 MeV]
(A_Cd:1260)
112Cd48 + 12 D* --> 85Rb37 + 51V23 + 201.417 MeV [42.816 MeV]
(A_Cd:1261)
112Cd48 + 12 D* --> 86Sr38 + 50Ti22 + 202.998 MeV [44.397 MeV]
(A_Cd:1262)
112Cd48 + 12 D* --> 87Sr38 + 49Ti22 + 200.487 MeV [41.886 MeV]
(A_Cd:1263)
112Cd48 + 12 D* --> 88Sr38 + 48Ti22 + 203.458 MeV [44.857 MeV]
(A_Cd:1264)
112Cd48 + 12 D* --> 90Zr40 + 46Ca20 + 198.950 MeV [40.349 MeV]
(A_Cd:1265)
112Cd48 + 12 D* --> 92Zr40 + 44Ca20 + 196.971 MeV [38.369 MeV]
(A_Cd:1266)
112Cd48 + 12 D* --> 94Zr40 + 42Ca20 + 192.862 MeV [34.261 MeV]
(A_Cd:1267)
112Cd48 + 12 D* --> 96Zr40 + 40Ca20 + 187.337 MeV [28.736 MeV]
(A_Cd:1268)
112Cd48 + 12 D* --> 96Mo42 + 40Ar18 + 190.879 MeV [32.277 MeV]
(A_Cd:1269)
112Cd48 + 12 D* --> 98Mo42 + 38Ar18 + 189.874 MeV [31.273 MeV]
(A_Cd:1270)

112Cd48 + 12 D* --> 100Mo42 + 36Ar18 + 183.464 MeV [24.863 MeV]
(A_Cd:1271)
112Cd48 + 12 D* --> 100Ru44 + 36S16 + 186.931 MeV [28.330 MeV]
(A_Cd:1272)
112Cd48 + 12 D* --> 102Ru44 + 34S16 + 186.078 MeV [27.477 MeV]
(A_Cd:1273)
112Cd48 + 12 D* --> 104Ru44 + 32S16 + 181.153 MeV [22.552 MeV]
(A_Cd:1274)
112Cd48 + 12 D* --> 106Pd46 + 30Si14 + 181.384 MeV [22.782 MeV]
(A_Cd:1275)
112Cd48 + 12 D* --> 108Pd46 + 28Si14 + 178.065 MeV [19.464 MeV]
(A_Cd:1276)
112Cd48 + 12 D* --> 109Ag47 + 27Al13 + 172.967 MeV [14.366 MeV]
(A_Cd:1277)
112Cd48 + 12 D* --> 110Cd48 + 26Mg12 + 173.616 MeV [15.015 MeV]
(A_Cd:1278)
112Cd48 + 12 D* --> 111Cd48 + 25Mg12 + 169.498 MeV [10.897 MeV]
(A_Cd:1279)
112Cd48 + 12 D* --> 112Cd48 + 24Mg12 + 171.562 MeV [12.961 MeV]
(A_Cd:1280)
112Cd48 + 12 D* --> 113In49 + 23Na11 + 165.948 MeV [7.347 MeV]
(A_Cd:1281)
112Cd48 + 12 D* --> 114Sn50 + 22Ne10 + 165.634 MeV [7.033 MeV]
(A_Cd:1282)
112Cd48 + 12 D* --> 115Sn50 + 21Ne10 + 162.816 MeV [4.215 MeV]
(A_Cd:1283)
112Cd48 + 12 D* --> 116Sn50 + 20Ne10 + 165.618 MeV [7.017 MeV]
(A_Cd:1284)
112Cd48 + 12 D* --> 120Te52 + 16O8 + 161.190 MeV [2.589 MeV]
(A_Cd:1285)
112Cd48 + 12 D* --> 124Xe54 + 12C6 + 154.708 MeV [-3.893 MeV]
(A_Cd:1286)

113Cd48 + D* --> 96Zr40 + 19F9 + 11.017 MeV [-0.354 MeV]
(A_Cd:1287)
113Cd48 + D* --> 100Mo42 + 15N7 + 10.169 MeV [-1.202 MeV]
(A_Cd:1288)
113Cd48 + D* --> 104Ru44 + 11B5 + 3.507 MeV [-7.864 MeV]
(A_Cd:1289)
113Cd48 + D* --> 114Cd48 + 1H1 + 6.818 MeV [-4.552 MeV]
(A_Cd:1290)
113Cd48 + D* --> 115In49 + 13.623 MeV [2.252 MeV]
(A_Cd:1291)

113Cd48 + 2 D* --> 96Zr40 + 21Ne10 + 28.397 MeV [5.314 MeV]
(A_Cd:1292)
113Cd48 + 2 D* --> 100Mo42 + 17O8 + 24.215 MeV [1.133 MeV]
(A_Cd:1293)
113Cd48 + 2 D* --> 104Ru44 + 13C6 + 22.186 MeV [-0.896 MeV]
(A_Cd:1294)
113Cd48 + 2 D* --> 108Pd46 + 9Be4 + 15.399 MeV [-7.684 MeV]
(A_Cd:1295)
113Cd48 + 2 D* --> 113Cd48 + 4He2 + 23.847 MeV [00.764 MeV]
(A_Cd:1296)

113Cd48 + 2 D* --> 114Cd48 + 3He2 + 12.312 MeV [-10.771 MeV]
(A_Cd:1297)
113Cd48 + 2 D* --> 115In49 + 2H1 + 13.623 MeV [-9.459 MeV]
(A_Cd:1298)
113Cd48 + 2 D* --> 117Sn50 + 27.622 MeV [4.540 MeV]
(A_Cd:1299)

113Cd48 + 3 D* --> 71Ga31 + 48Ca20 + 64.712 MeV [29.581 MeV]
(A_Cd:1300)
113Cd48 + 3 D* --> 82Se34 + 37Cl17 + 59.713 MeV [24.582 MeV]
(A_Cd:1301)
113Cd48 + 3 D* --> 96Zr40 + 23Na11 + 45.331 MeV [10.199 MeV]
(A_Cd:1302)
113Cd48 + 3 D* --> 100Mo42 + 19F9 + 38.030 MeV [2.898 MeV]
(A_Cd:1303)
113Cd48 + 3 D* --> 104Ru44 + 15N7 + 38.345 MeV [3.214 MeV]
(A_Cd:1304)
113Cd48 + 3 D* --> 108Pd46 + 11B5 + 31.214 MeV [-3.917 MeV]
(A_Cd:1305)
113Cd48 + 3 D* --> 112Cd48 + 7Li3 + 26.030 MeV [-9.101 MeV]
(A_Cd:1306)
113Cd48 + 3 D* --> 113Cd48 + 6Li3 + 25.320 MeV [-9.811 MeV]
(A_Cd:1307)
113Cd48 + 3 D* --> 115In49 + 4He2 + 37.470 MeV [2.338 MeV]
(A_Cd:1308)
113Cd48 + 3 D* --> 117Sn50 + 2H1 + 27.622 MeV [-7.509 MeV]
(A_Cd:1309)
113Cd48 + 3 D* --> 118Sn50 + 1H1 + 34.725 MeV [-0.406 MeV]
(A_Cd:1310)

113Cd48 + 4 D* --> 73Ge32 + 48Ca20 + 79.005 MeV [31.491 MeV]
(A_Cd:1311)
113Cd48 + 4 D* --> 96Zr40 + 25Mg12 + 62.129 MeV [14.615 MeV]
(A_Cd:1312)
113Cd48 + 4 D* --> 100Mo42 + 21Ne10 + 55.410 MeV [7.896 MeV]
(A_Cd:1313)
113Cd48 + 4 D* --> 104Ru44 + 17O8 + 52.391 MeV [4.877 MeV]
(A_Cd:1314)
113Cd48 + 4 D* --> 108Pd46 + 13C6 + 49.893 MeV [2.379 MeV]
(A_Cd:1315)
113Cd48 + 4 D* --> 112Cd48 + 9Be4 + 42.726 MeV [-4.787 MeV]
(A_Cd:1316)
113Cd48 + 4 D* --> 115In49 + 6Li3 + 38.943 MeV [-8.570 MeV]
(A_Cd:1317)
113Cd48 + 4 D* --> 117Sn50 + 4He2 + 51.469 MeV [3.955 MeV]
(A_Cd:1318)
113Cd48 + 4 D* --> 118Sn50 + 3He2 + 40.218 MeV [-7.295 MeV]
(A_Cd:1319)

113Cd48 + 5 D* --> 75As33 + 48Ca20 + 93.876 MeV [33.649 MeV]
(A_Cd:1320)
113Cd48 + 5 D* --> 82Se34 + 41K19 + 89.782 MeV [29.555 MeV]
(A_Cd:1321)
113Cd48 + 5 D* --> 86Kr36 + 37Cl17 + 91.656 MeV [31.429 MeV]

(A_Cd:1322)
113Cd48 + 5 D* --> 87Rb37 + 36S16 + 91.891 MeV [31.664 MeV]
(A_Cd:1323)
113Cd48 + 5 D* --> 96Zr40 + 27Al13 + 79.269 MeV [19.042 MeV]
(A_Cd:1324)
113Cd48 + 5 D* --> 100Mo42 + 23Na11 + 72.343 MeV [12.117 MeV]
(A_Cd:1325)
113Cd48 + 5 D* --> 104Ru44 + 19F9 + 66.206 MeV [5.979 MeV]
(A_Cd:1326)
113Cd48 + 5 D* --> 108Pd46 + 15N7 + 66.052 MeV [5.825 MeV]
(A_Cd:1327)
113Cd48 + 5 D* --> 112Cd48 + 11B5 + 58.542 MeV [-1.685 MeV]
(A_Cd:1328)
113Cd48 + 5 D* --> 113Cd48 + 10B5 + 53.628 MeV [-6.599 MeV]
(A_Cd:1329)
113Cd48 + 5 D* --> 116Sn50 + 7Li3 + 53.249 MeV [-6.978 MeV]
(A_Cd:1330)
113Cd48 + 5 D* --> 117Sn50 + 6Li3 + 52.942 MeV [-7.284 MeV]
(A_Cd:1331)
113Cd48 + 5 D* --> 122Te52 + 1H1 + 59.654 MeV [-0.573 MeV]
(A_Cd:1332)

113Cd48 + 6 D* --> 76Ge32 + 49Ti22 + 111.537 MeV [38.270 MeV]
(A_Cd:1333)
113Cd48 + 6 D* --> 77Se34 + 48Ca20 + 108.579 MeV [35.312 MeV]
(A_Cd:1334)
113Cd48 + 6 D* --> 82Se34 + 43Ca20 + 105.768 MeV [32.501 MeV]
(A_Cd:1335)
113Cd48 + 6 D* --> 96Zr40 + 29Si14 + 97.103 MeV [23.836 MeV]
(A_Cd:1336)
113Cd48 + 6 D* --> 100Mo42 + 25Mg12 + 89.142 MeV [15.875 MeV]
(A_Cd:1337)
113Cd48 + 6 D* --> 104Ru44 + 21Ne10 + 83.586 MeV [10.319 MeV]
(A_Cd:1338)
113Cd48 + 6 D* --> 108Pd46 + 17O8 + 80.098 MeV [6.831 MeV]
(A_Cd:1339)
113Cd48 + 6 D* --> 112Cd48 + 13C6 + 77.221 MeV [3.953 MeV]
(A_Cd:1340)
113Cd48 + 6 D* --> 113Cd48 + 12C6 + 78.814 MeV [5.547 MeV]
(A_Cd:1341)
113Cd48 + 6 D* --> 115In49 + 10B5 + 67.251 MeV [-6.016 MeV]
(A_Cd:1342)
113Cd48 + 6 D* --> 116Sn50 + 9Be4 + 69.946 MeV [-3.322 MeV]
(A_Cd:1343)
113Cd48 + 6 D* --> 122Te52 + 3He2 + 65.148 MeV [-8.119 MeV]
(A_Cd:1344)

113Cd48 + 7 D* --> 76Ge32 + 51V23 + 128.315 MeV [41.684 MeV]
(A_Cd:1345)
113Cd48 + 7 D* --> 82Se34 + 45Sc21 + 121.563 MeV [34.931 MeV]
(A_Cd:1346)
113Cd48 + 7 D* --> 79Br35 + 48Ca20 + 123.183 MeV [36.552 MeV]
(A_Cd:1347)
113Cd48 + 7 D* --> 81Br35 + 46Ca20 + 124.011 MeV [37.379 MeV]

(A_Cd:1348)
113Cd48 + 7 D* --> 86Kr36 + 41K19 + 121.725 MeV [35.094 MeV]
(A_Cd:1349)
113Cd48 + 7 D* --> 87Rb37 + 40Ar18 + 122.538 MeV [35.907 MeV]
(A_Cd:1350)
113Cd48 + 7 D* --> 96Zr40 + 31P15 + 112.784 MeV [26.153 MeV]
(A_Cd:1351)
113Cd48 + 7 D* --> 100Mo42 + 27Al13 + 106.282 MeV [19.650 MeV]
(A_Cd:1352)
113Cd48 + 7 D* --> 104Ru44 + 23Na11 + 100.520 MeV [13.888 MeV]
(A_Cd:1353)
113Cd48 + 7 D* --> 108Pd46 + 19F9 + 93.912 MeV [7.281 MeV]
(A_Cd:1354)
113Cd48 + 7 D* --> 109Ag47 + 18O8 + 92.405 MeV [5.773 MeV]
(A_Cd:1355)
113Cd48 + 7 D* --> 112Cd48 + 15N7 + 93.380 MeV [6.748 MeV]
(A_Cd:1356)
113Cd48 + 7 D* --> 113Cd48 + 14N7 + 89.087 MeV [2.455 MeV]
(A_Cd:1357)
113Cd48 + 7 D* --> 115In49 + 12C6 + 92.437 MeV [5.806 MeV]
(A_Cd:1358)
113Cd48 + 7 D* --> 116Sn50 + 11B5 + 85.761 MeV [-0.871 MeV]
(A_Cd:1359)
113Cd48 + 7 D* --> 117Sn50 + 10B5 + 81.250 MeV [-5.382 MeV]
(A_Cd:1360)
113Cd48 + 7 D* --> 120Te52 + 7Li3 + 77.397 MeV [-9.234 MeV]
(A_Cd:1361)
113Cd48 + 7 D* --> 126Xe54 + 1H1 + 84.780 MeV [-1.851 MeV]
(A_Cd:1362)

113Cd48 + 8 D* --> 76Ge32 + 53Cr24 + 144.534 MeV [44.217 MeV]
(A_Cd:1363)
113Cd48 + 8 D* --> 80Se34 + 49Ti22 + 142.355 MeV [42.038 MeV]
(A_Cd:1364)
113Cd48 + 8 D* --> 82Se34 + 47Ti22 + 138.563 MeV [38.246 MeV]
(A_Cd:1365)
113Cd48 + 8 D* --> 83Kr36 + 46Ca20 + 139.153 MeV [38.836 MeV]
(A_Cd:1366)
113Cd48 + 8 D* --> 86Kr36 + 43Ca20 + 137.711 MeV [37.394 MeV]
(A_Cd:1367)
113Cd48 + 8 D* --> 96Zr40 + 33S16 + 128.065 MeV [27.748 MeV]
(A_Cd:1368)
113Cd48 + 8 D* --> 100Mo42 + 29Si14 + 124.116 MeV [23.799 MeV]
(A_Cd:1369)
113Cd48 + 8 D* --> 104Ru44 + 25Mg12 + 117.318 MeV [17.001 MeV]
(A_Cd:1370)
113Cd48 + 8 D* --> 108Pd46 + 21Ne10 + 111.293 MeV [10.975 MeV]
(A_Cd:1371)
113Cd48 + 8 D* --> 111Cd48 + 18O8 + 106.076 MeV [5.758 MeV]
(A_Cd:1372)
113Cd48 + 8 D* --> 112Cd48 + 17O8 + 107.426 MeV [7.109 MeV]
(A_Cd:1373)
113Cd48 + 8 D* --> 113Cd48 + 16O8 + 109.823 MeV [9.506 MeV]
(A_Cd:1374)

113Cd48 + 8 D* --> 115In49 + 14N7 + 102.710 MeV [2.393 MeV]
(A_Cd:1375)
113Cd48 + 8 D* --> 116Sn50 + 13C6 + 104.440 MeV [4.122 MeV]
(A_Cd:1376)
113Cd48 + 8 D* --> 117Sn50 + 12C6 + 106.436 MeV [6.119 MeV]
(A_Cd:1377)
113Cd48 + 8 D* --> 120Te52 + 9Be4 + 94.093 MeV [-6.224 MeV]
(A_Cd:1378)
113Cd48 + 8 D* --> 126Xe54 + 3He2 + 90.274 MeV [-10.043 MeV]
(A_Cd:1379)

113Cd48 + 9 D* --> 76Ge32 + 55Mn25 + 160.096 MeV [45.775 MeV]
(A_Cd:1380)
113Cd48 + 9 D* --> 80Se34 + 51V23 + 159.134 MeV [44.813 MeV]
(A_Cd:1381)
113Cd48 + 9 D* --> 81Br35 + 50Ti22 + 158.574 MeV [44.253 MeV]
(A_Cd:1382)
113Cd48 + 9 D* --> 86Kr36 + 45Sc21 + 153.506 MeV [39.185 MeV]
(A_Cd:1383)
113Cd48 + 9 D* --> 85Rb37 + 46Ca20 + 154.475 MeV [40.154 MeV]
(A_Cd:1384)
113Cd48 + 9 D* --> 87Rb37 + 44Ca20 + 155.238 MeV [40.918 MeV]
(A_Cd:1385)
113Cd48 + 9 D* --> 94Zr40 + 37Cl17 + 148.201 MeV [33.880 MeV]
(A_Cd:1386)
113Cd48 + 9 D* --> 96Zr40 + 35Cl17 + 143.629 MeV [29.308 MeV]
(A_Cd:1387)
113Cd48 + 9 D* --> 100Mo42 + 31P15 + 139.797 MeV [25.476 MeV]
(A_Cd:1388)
113Cd48 + 9 D* --> 104Ru44 + 27Al13 + 134.458 MeV [20.137 MeV]
(A_Cd:1389)
113Cd48 + 9 D* --> 108Pd46 + 23Na11 + 128.226 MeV [13.905 MeV]
(A_Cd:1390)
113Cd48 + 9 D* --> 109Ag47 + 22Ne10 + 125.920 MeV [11.599 MeV]
(A_Cd:1391)
113Cd48 + 9 D* --> 112Cd48 + 19F9 + 121.240 MeV [6.919 MeV]
(A_Cd:1392)
113Cd48 + 9 D* --> 113In49 + 18O8 + 119.323 MeV [5.002 MeV]
(A_Cd:1393)
113Cd48 + 9 D* --> 115In49 + 16O8 + 123.446 MeV [9.125 MeV]
(A_Cd:1394)
113Cd48 + 9 D* --> 116Sn50 + 15N7 + 120.599 MeV [6.278 MeV]
(A_Cd:1395)
113Cd48 + 9 D* --> 117Sn50 + 14N7 + 116.709 MeV [2.388 MeV]
(A_Cd:1396)
113Cd48 + 9 D* --> 120Te52 + 11B5 + 109.909 MeV [-4.412 MeV]
(A_Cd:1397)
113Cd48 + 9 D* --> 124Xe54 + 7Li3 + 101.924 MeV [-12.397 MeV]
(A_Cd:1398)
113Cd48 + 9 D* --> 130Ba56 + 1H1 + 109.145 MeV [-5.176 MeV]
(A_Cd:1399)

113Cd48 + 10 D* --> 76Ge32 + 57Fe26 + 175.701 MeV [47.061 MeV]
(A_Cd:1400)

113Cd48 + 10 D* --> 80Se34 + 53Cr24 + 175.353 MeV [46.712 MeV]
(A_Cd:1401)
113Cd48 + 10 D* --> 83Kr36 + 50Ti22 + 173.716 MeV [45.076 MeV]
(A_Cd:1402)
113Cd48 + 10 D* --> 84Kr36 + 49Ti22 + 173.298 MeV [44.658 MeV]
(A_Cd:1403)
113Cd48 + 10 D* --> 86Kr36 + 47Ti22 + 170.506 MeV [41.866 MeV]
(A_Cd:1404)
113Cd48 + 10 D* --> 87Sr38 + 46Ca20 + 170.323 MeV [41.683 MeV]
(A_Cd:1405)
113Cd48 + 10 D* --> 97Mo42 + 36S16 + 160.512 MeV [31.872 MeV]
(A_Cd:1406)
113Cd48 + 10 D* --> 100Mo42 + 33S16 + 155.078 MeV [26.438 MeV]
(A_Cd:1407)
113Cd48 + 10 D* --> 104Ru44 + 29Si14 + 152.292 MeV [23.652 MeV]
(A_Cd:1408)
113Cd48 + 10 D* --> 108Pd46 + 25Mg12 + 145.025 MeV [16.385 MeV]
(A_Cd:1409)
113Cd48 + 10 D* --> 111Cd48 + 22Ne10 + 139.590 MeV [10.950 MeV]
(A_Cd:1410)
113Cd48 + 10 D* --> 112Cd48 + 21Ne10 + 138.620 MeV [9.980 MeV]
(A_Cd:1411)
113Cd48 + 10 D* --> 113Cd48 + 20Ne10 + 138.399 MeV [9.759 MeV]
(A_Cd:1412)
113Cd48 + 10 D* --> 115Sn50 + 18O8 + 133.125 MeV [4.485 MeV]
(A_Cd:1413)
113Cd48 + 10 D* --> 116Sn50 + 17O8 + 134.645 MeV [6.005 MeV]
(A_Cd:1414)
113Cd48 + 10 D* --> 117Sn50 + 16O8 + 137.445 MeV [8.805 MeV]
(A_Cd:1415)
113Cd48 + 10 D* --> 120Te52 + 13C6 + 128.588 MeV [-0.053 MeV]
(A_Cd:1416)
113Cd48 + 10 D* --> 124Xe54 + 9Be4 + 118.620 MeV [-10.020 MeV]
(A_Cd:1417)
113Cd48 + 10 D* --> 130Ba56 + 3He2 + 114.638 MeV [-14.002 MeV]
(A_Cd:1418)

113Cd48 + 11 D* --> 70Zn30 + 65Cu29 + 192.272 MeV [49.000 MeV]
(A_Cd:1419)
113Cd48 + 11 D* --> 71Ga31 + 64Ni28 + 192.683 MeV [49.411 MeV]
(A_Cd:1420)
113Cd48 + 11 D* --> 76Ge32 + 59Co27 + 190.885 MeV [47.613 MeV]
(A_Cd:1421)
113Cd48 + 11 D* --> 80Se34 + 55Mn25 + 190.914 MeV [47.642 MeV]
(A_Cd:1422)
113Cd48 + 11 D* --> 81Br35 + 54Cr24 + 190.351 MeV [47.079 MeV]
(A_Cd:1423)
113Cd48 + 11 D* --> 84Kr36 + 51V23 + 190.076 MeV [46.804 MeV]
(A_Cd:1424)
113Cd48 + 11 D* --> 85Rb37 + 50Ti22 + 189.038 MeV [45.765 MeV]
(A_Cd:1425)
113Cd48 + 11 D* --> 87Rb37 + 48Ti22 + 188.529 MeV [45.257 MeV]
(A_Cd:1426)
113Cd48 + 11 D* --> 89Y39 + 46Ca20 + 186.280 MeV [43.008 MeV]

(A_Cd:1427)
113Cd48 + 11 D* --> 94Zr40 + 41K19 + 178.270 MeV [34.997 MeV]
(A_Cd:1428)
113Cd48 + 11 D* --> 96Zr40 + 39K19 + 174.693 MeV [31.421 MeV]
(A_Cd:1429)
113Cd48 + 11 D* --> 98Mo42 + 37Cl17 + 175.317 MeV [32.045 MeV]
(A_Cd:1430)
113Cd48 + 11 D* --> 100Mo42 + 35Cl17 + 170.642 MeV [27.369 MeV]
(A_Cd:1431)
113Cd48 + 11 D* --> 104Ru44 + 31P15 + 167.973 MeV [24.701 MeV]
(A_Cd:1432)
113Cd48 + 11 D* --> 108Pd46 + 27Al13 + 162.165 MeV [18.892 MeV]
(A_Cd:1433)
113Cd48 + 11 D* --> 109Ag47 + 26Mg12 + 160.381 MeV [17.109 MeV]
(A_Cd:1434)
113Cd48 + 11 D* --> 112Cd48 + 23Na11 + 155.554 MeV [12.282 MeV]
(A_Cd:1435)
113Cd48 + 11 D* --> 113In49 + 22Ne10 + 152.838 MeV [9.566 MeV]
(A_Cd:1436)
113Cd48 + 11 D* --> 115In49 + 20Ne10 + 152.022 MeV [8.750 MeV]
(A_Cd:1437)
113Cd48 + 11 D* --> 116Sn50 + 19F9 + 148.459 MeV [5.187 MeV]
(A_Cd:1438)
113Cd48 + 11 D* --> 120Te52 + 15N7 + 144.747 MeV [1.475 MeV]
(A_Cd:1439)
113Cd48 + 11 D* --> 124Xe54 + 11B5 + 134.436 MeV [-8.836 MeV]
(A_Cd:1440)

113Cd48 + 12 D* --> 70Zn30 + 67Zn30 + 206.024 MeV [47.810 MeV]
(A_Cd:1441)
113Cd48 + 12 D* --> 73Ge32 + 64Ni28 + 206.976 MeV [48.762 MeV]
(A_Cd:1442)
113Cd48 + 12 D* --> 76Ge32 + 61Ni28 + 206.013 MeV [47.799 MeV]
(A_Cd:1443)
113Cd48 + 12 D* --> 80Se34 + 57Fe26 + 206.519 MeV [48.305 MeV]
(A_Cd:1444)
113Cd48 + 12 D* --> 83Kr36 + 54Cr24 + 205.494 MeV [47.279 MeV]
(A_Cd:1445)
113Cd48 + 12 D* --> 84Kr36 + 53Cr24 + 206.295 MeV [48.081 MeV]
(A_Cd:1446)
113Cd48 + 12 D* --> 87Rb37 + 50V23 + 202.399 MeV [44.185 MeV]
(A_Cd:1447)
113Cd48 + 12 D* --> 87Sr38 + 50Ti22 + 204.886 MeV [46.672 MeV]
(A_Cd:1448)
113Cd48 + 12 D* --> 88Sr38 + 49Ti22 + 205.060 MeV [46.846 MeV]
(A_Cd:1449)
113Cd48 + 12 D* --> 91Zr40 + 46Ca20 + 199.605 MeV [41.391 MeV]
(A_Cd:1450)
113Cd48 + 12 D* --> 94Zr40 + 43Ca20 + 194.255 MeV [36.041 MeV]
(A_Cd:1451)
113Cd48 + 12 D* --> 97Mo42 + 40Ar18 + 191.160 MeV [32.945 MeV]
(A_Cd:1452)
113Cd48 + 12 D* --> 101Ru44 + 36S16 + 187.193 MeV [28.979 MeV]
(A_Cd:1453)

113Cd48 + 12 D* --> 104Ru44 + 33S16 + 183.254 MeV [25.040 MeV]
(A_Cd:1454)
113Cd48 + 12 D* --> 108Pd46 + 29Si14 + 179.999 MeV [21.785 MeV]
(A_Cd:1455)
113Cd48 + 12 D* --> 111Cd48 + 26Mg12 + 174.051 MeV [15.837 MeV]
(A_Cd:1456)
113Cd48 + 12 D* --> 112Cd48 + 25Mg12 + 172.353 MeV [14.138 MeV]
(A_Cd:1457)
113Cd48 + 12 D* --> 113Cd48 + 24Mg12 + 171.562 MeV [13.348 MeV]
(A_Cd:1458)
113Cd48 + 12 D* --> 115Sn50 + 22Ne10 + 166.640 MeV [8.426 MeV]
(A_Cd:1459)
113Cd48 + 12 D* --> 116Sn50 + 21Ne10 + 165.839 MeV [7.625 MeV]
(A_Cd:1460)
113Cd48 + 12 D* --> 117Sn50 + 20Ne10 + 166.021 MeV [7.807 MeV]
(A_Cd:1461)
113Cd48 + 12 D* --> 120Te52 + 17O8 + 158.793 MeV [00.579 MeV]
(A_Cd:1462)
113Cd48 + 12 D* --> 124Xe54 + 13C6 + 153.114 MeV [-5.100 MeV]
(A_Cd:1463)

114Cd48 + 2 D* --> 70Zn30 + 48Ca20 + 50.029 MeV [27.012 MeV]
(A_Cd:1464)
114Cd48 + 2 D* --> 82Se34 + 36S16 + 44.509 MeV [21.491 MeV]
(A_Cd:1465)
114Cd48 + 2 D* --> 96Zr40 + 22Ne10 + 29.718 MeV [6.701 MeV]
(A_Cd:1466)
114Cd48 + 2 D* --> 100Mo42 + 18O8 + 23.216 MeV [00.199 MeV]
(A_Cd:1467)
114Cd48 + 2 D* --> 114Cd48 + 4He2 + 23.847 MeV [00.829 MeV]
(A_Cd:1468)
114Cd48 + 2 D* --> 118Sn50 + 27.907 MeV [4.889 MeV]
(A_Cd:1469)

114Cd48 + 3 D* --> 110Pd46 + 10B5 + 25.685 MeV [-9.349 MeV]
(A_Cd:1470)
114Cd48 + 3 D* --> 113Cd48 + 7Li3 + 23.527 MeV [-11.506 MeV]
(A_Cd:1471)
114Cd48 + 3 D* --> 114Cd48 + 6Li3 + 25.320 MeV [-9.713 MeV]
(A_Cd:1472)
114Cd48 + 3 D* --> 118Sn50 + 2H1 + 27.907 MeV [-7.127 MeV]
(A_Cd:1473)
114Cd48 + 3 D* --> 119Sn50 + 1H1 + 32.166 MeV [-2.868 MeV]
(A_Cd:1474)

114Cd48 + 4 D* --> 74Ge32 + 48Ca20 + 80.159 MeV [32.775 MeV]
(A_Cd:1475)
114Cd48 + 4 D* --> 76Ge32 + 46Ca20 + 78.870 MeV [31.486 MeV]
(A_Cd:1476)
114Cd48 + 4 D* --> 82Se34 + 40Ar18 + 75.156 MeV [27.772 MeV]
(A_Cd:1477)
114Cd48 + 4 D* --> 86Kr36 + 36S16 + 76.452 MeV [29.068 MeV]
(A_Cd:1478)

114Cd48 + 4 D* --> 96Zr40 + 26Mg12 + 64.179 MeV [16.796 MeV]
(A_Cd:1479)
114Cd48 + 4 D* --> 100Mo42 + 22Ne10 + 56.731 MeV [9.347 MeV]
(A_Cd:1480)
114Cd48 + 4 D* --> 104Ru44 + 18O8 + 51.392 MeV [4.009 MeV]
(A_Cd:1481)
114Cd48 + 4 D* --> 110Pd46 + 12C6 + 50.871 MeV [3.487 MeV]
(A_Cd:1482)
114Cd48 + 4 D* --> 113Cd48 + 9Be4 + 40.224 MeV [-7.160 MeV]
(A_Cd:1483)
114Cd48 + 4 D* --> 115In49 + 7Li3 + 37.150 MeV [-10.233 MeV]
(A_Cd:1484)
114Cd48 + 4 D* --> 118Sn50 + 4He2 + 51.753 MeV [4.369 MeV]
(A_Cd:1485)
114Cd48 + 4 D* --> 119Sn50 + 3He2 + 37.659 MeV [-9.725 MeV]
(A_Cd:1486)
114Cd48 + 4 D* --> 121Sb51 + 1H1 + 44.828 MeV [-2.556 MeV]
(A_Cd:1487)
114Cd48 + 4 D* --> 122Te52 + 52.836 MeV [5.452 MeV]
(A_Cd:1488)

114Cd48 + 5 D* --> 110Pd46 + 14N7 + 61.143 MeV [1.079 MeV]
(A_Cd:1489)
114Cd48 + 5 D* --> 113Cd48 + 11B5 + 56.039 MeV [-4.026 MeV]
(A_Cd:1490)
114Cd48 + 5 D* --> 114Cd48 + 10B5 + 53.628 MeV [-6.437 MeV]
(A_Cd:1491)
114Cd48 + 5 D* --> 115In49 + 9Be4 + 53.847 MeV [-6.218 MeV]
(A_Cd:1492)
114Cd48 + 5 D* --> 117Sn50 + 7Li3 + 51.149 MeV [-8.915 MeV]
(A_Cd:1493)
114Cd48 + 5 D* --> 118Sn50 + 6Li3 + 53.227 MeV [-6.838 MeV]
(A_Cd:1494)
114Cd48 + 5 D* --> 121Sb51 + 3He2 + 50.322 MeV [-9.743 MeV]
(A_Cd:1495)
114Cd48 + 5 D* --> 122Te52 + 2H1 + 52.836 MeV [-7.229 MeV]
(A_Cd:1496)
114Cd48 + 5 D* --> 123Te52 + 1H1 + 57.541 MeV [-2.524 MeV]
(A_Cd:1497)

114Cd48 + 6 D* --> 76Ge32 + 50Ti22 + 113.433 MeV [40.360 MeV]
(A_Cd:1498)
114Cd48 + 6 D* --> 78Se34 + 48Ca20 + 110.034 MeV [36.961 MeV]
(A_Cd:1499)
114Cd48 + 6 D* --> 80Se34 + 46Ca20 + 109.688 MeV [36.616 MeV]
(A_Cd:1500)
114Cd48 + 6 D* --> 82Se34 + 44Ca20 + 107.856 MeV [34.783 MeV]
(A_Cd:1501)
114Cd48 + 6 D* --> 86Kr36 + 40Ar18 + 107.099 MeV [34.026 MeV]
(A_Cd:1502)
114Cd48 + 6 D* --> 96Zr40 + 30Si14 + 98.669 MeV [25.596 MeV]
(A_Cd:1503)
114Cd48 + 6 D* --> 100Mo42 + 26Mg12 + 91.192 MeV [18.119 MeV]
(A_Cd:1504)

114Cd48 + 6 D* --> 104Ru44 + 22Ne10 + 84.907 MeV [11.834 MeV]
(A_Cd:1505)
114Cd48 + 6 D* --> 108Pd46 + 18O8 + 79.099 MeV [6.026 MeV]
(A_Cd:1506)
114Cd48 + 6 D* --> 110Pd46 + 16O8 + 81.880 MeV [8.807 MeV]
(A_Cd:1507)
114Cd48 + 6 D* --> 113Cd48 + 13C6 + 74.718 MeV [1.645 MeV]
(A_Cd:1508)
114Cd48 + 6 D* --> 114Cd48 + 12C6 + 78.814 MeV [5.741 MeV]
(A_Cd:1509)
114Cd48 + 6 D* --> 115In49 + 11B5 + 69.662 MeV [-3.411 MeV]
(A_Cd:1510)
114Cd48 + 6 D* --> 117Sn50 + 9Be4 + 67.846 MeV [-5.227 MeV]
(A_Cd:1511)
114Cd48 + 6 D* --> 122Te52 + 4He2 + 76.683 MeV [3.610 MeV]
(A_Cd:1512)
114Cd48 + 6 D* --> 123Te52 + 3He2 + 63.034 MeV [-10.039 MeV]
(A_Cd:1513)
114Cd48 + 6 D* --> 126Xe54 + 77.962 MeV [4.889 MeV]
(A_Cd:1514)

114Cd48 + 7 D* --> 113Cd48 + 15N7 + 90.877 MeV [4.472 MeV]
(A_Cd:1515)
114Cd48 + 7 D* --> 114Cd48 + 14N7 + 89.087 MeV [2.681 MeV]
(A_Cd:1516)
114Cd48 + 7 D* --> 115In49 + 13C6 + 88.341 MeV [1.935 MeV]
(A_Cd:1517)
114Cd48 + 7 D* --> 117Sn50 + 11B5 + 83.661 MeV [-2.744 MeV]
(A_Cd:1518)
114Cd48 + 7 D* --> 118Sn50 + 10B5 + 81.534 MeV [-4.871 MeV]
(A_Cd:1519)
114Cd48 + 7 D* --> 122Te52 + 6Li3 + 78.156 MeV [-8.249 MeV]
(A_Cd:1520)
114Cd48 + 7 D* --> 126Xe54 + 2H1 + 77.962 MeV [-8.443 MeV]
(A_Cd:1521)

114Cd48 + 8 D* --> 76Ge32 + 54Cr24 + 145.210 MeV [45.151 MeV]
(A_Cd:1522)
114Cd48 + 8 D* --> 80Se34 + 50Ti22 + 144.251 MeV [44.192 MeV]
(A_Cd:1523)
114Cd48 + 8 D* --> 82Se34 + 48Ti22 + 141.147 MeV [41.087 MeV]
(A_Cd:1524)
114Cd48 + 8 D* --> 82Kr36 + 48Ca20 + 139.868 MeV [39.809 MeV]
(A_Cd:1525)
114Cd48 + 8 D* --> 84Kr36 + 46Ca20 + 140.631 MeV [40.572 MeV]
(A_Cd:1526)
114Cd48 + 8 D* --> 86Kr36 + 44Ca20 + 139.799 MeV [39.740 MeV]
(A_Cd:1527)
114Cd48 + 8 D* --> 94Zr40 + 36S16 + 132.996 MeV [32.936 MeV]
(A_Cd:1528)
114Cd48 + 8 D* --> 96Zr40 + 34S16 + 130.439 MeV [30.380 MeV]
(A_Cd:1529)
114Cd48 + 8 D* --> 100Mo42 + 30Si14 + 125.682 MeV [25.623 MeV]
(A_Cd:1530)

114Cd48 + 8 D* --> 104Ru44 + 26Mg12 + 119.368 MeV [19.309 MeV]
(A_Cd:1531)
114Cd48 + 8 D* --> 108Pd46 + 22Ne10 + 112.614 MeV [12.555 MeV]
(A_Cd:1532)
114Cd48 + 8 D* --> 110Pd46 + 20Ne10 + 110.456 MeV [10.397 MeV]
(A_Cd:1533)
114Cd48 + 8 D* --> 112Cd48 + 18O8 + 106.427 MeV [6.368 MeV]
(A_Cd:1534)
114Cd48 + 8 D* --> 113Cd48 + 17O8 + 104.923 MeV [4.864 MeV]
(A_Cd:1535)
114Cd48 + 8 D* --> 114Cd48 + 16O8 + 109.823 MeV [9.763 MeV]
(A_Cd:1536)
114Cd48 + 8 D* --> 115In49 + 15N7 + 104.500 MeV [4.441 MeV]
(A_Cd:1537)
114Cd48 + 8 D* --> 117Sn50 + 13C6 + 102.340 MeV [2.280 MeV]
(A_Cd:1538)
114Cd48 + 8 D* --> 118Sn50 + 12C6 + 106.721 MeV [6.662 MeV]
(A_Cd:1539)
114Cd48 + 8 D* --> 126Xe54 + 4He2 + 101.808 MeV [1.749 MeV]
(A_Cd:1540)
114Cd48 + 8 D* --> 130Ba56 + 102.326 MeV [2.267 MeV]
(A_Cd:1541)

114Cd48 + 9 D* --> 82Se34 + 50V23 + 155.016 MeV [40.985 MeV]
(A_Cd:1542)
114Cd48 + 9 D* --> 113Cd48 + 19F9 + 118.737 MeV [4.706 MeV]
(A_Cd:1543)
114Cd48 + 9 D* --> 115In49 + 17O8 + 118.546 MeV [4.514 MeV]
(A_Cd:1544)
114Cd48 + 9 D* --> 117Sn50 + 15N7 + 118.499 MeV [4.468 MeV]
(A_Cd:1545)
114Cd48 + 9 D* --> 118Sn50 + 14N7 + 116.993 MeV [2.962 MeV]
(A_Cd:1546)
114Cd48 + 9 D* --> 122Te52 + 10B5 + 106.464 MeV [-7.568 MeV]
(A_Cd:1547)
114Cd48 + 9 D* --> 126Xe54 + 6Li3 + 103.282 MeV [-10.749 MeV]
(A_Cd:1548)
114Cd48 + 9 D* --> 130Ba56 + 2H1 + 102.326 MeV [-11.705 MeV]
(A_Cd:1549)

114Cd48 + 10 D* --> 70Zn30 + 64Ni28 + 178.000 MeV [49.681 MeV]
(A_Cd:1550)
114Cd48 + 10 D* --> 76Ge32 + 58Fe26 + 176.703 MeV [48.383 MeV]
(A_Cd:1551)
114Cd48 + 10 D* --> 80Se34 + 54Cr24 + 176.029 MeV [47.709 MeV]
(A_Cd:1552)
114Cd48 + 10 D* --> 82Se34 + 52Cr24 + 174.347 MeV [46.028 MeV]
(A_Cd:1553)
114Cd48 + 10 D* --> 84Kr36 + 50Ti22 + 175.194 MeV [46.875 MeV]
(A_Cd:1554)
114Cd48 + 10 D* --> 86Kr36 + 48Ti22 + 173.090 MeV [44.770 MeV]
(A_Cd:1555)
114Cd48 + 10 D* --> 86Sr38 + 48Ca20 + 170.074 MeV [41.755 MeV]
(A_Cd:1556)

114Cd48 + 10 D* --> 88Sr38 + 46Ca20 + 172.393 MeV [44.074 MeV]
(A_Cd:1557)
114Cd48 + 10 D* --> 94Zr40 + 40Ar18 + 163.643 MeV [35.324 MeV]
(A_Cd:1558)
114Cd48 + 10 D* --> 96Zr40 + 38Ar18 + 161.494 MeV [33.174 MeV]
(A_Cd:1559)
114Cd48 + 10 D* --> 98Mo42 + 36S16 + 160.112 MeV [31.793 MeV]
(A_Cd:1560)
114Cd48 + 10 D* --> 100Mo42 + 34S16 + 157.452 MeV [29.133 MeV]
(A_Cd:1561)
114Cd48 + 10 D* --> 104Ru44 + 30Si14 + 153.858 MeV [25.539 MeV]
(A_Cd:1562)
114Cd48 + 10 D* --> 108Pd46 + 26Mg12 + 147.075 MeV [18.756 MeV]
(A_Cd:1563)
114Cd48 + 10 D* --> 110Pd46 + 24Mg12 + 143.619 MeV [15.300 MeV]
(A_Cd:1564)
114Cd48 + 10 D* --> 112Cd48 + 22Ne10 + 139.942 MeV [11.622 MeV]
(A_Cd:1565)
114Cd48 + 10 D* --> 113Cd48 + 21Ne10 + 136.117 MeV [7.798 MeV]
(A_Cd:1566)
114Cd48 + 10 D* --> 114Cd48 + 20Ne10 + 138.399 MeV [10.080 MeV]
(A_Cd:1567)
114Cd48 + 10 D* --> 115In49 + 19F9 + 132.360 MeV [4.041 MeV]
(A_Cd:1568)
114Cd48 + 10 D* --> 116Sn50 + 18O8 + 133.646 MeV [5.326 MeV]
(A_Cd:1569)
114Cd48 + 10 D* --> 117Sn50 + 17O8 + 132.545 MeV [4.226 MeV]
(A_Cd:1570)
114Cd48 + 10 D* --> 118Sn50 + 16O8 + 137.729 MeV [9.410 MeV]
(A_Cd:1571)
114Cd48 + 10 D* --> 122Te52 + 12C6 + 131.650 MeV [3.331 MeV]
(A_Cd:1572)
114Cd48 + 10 D* --> 130Ba56 + 4He2 + 126.173 MeV [-2.146 MeV]
(A_Cd:1573)

114Cd48 + 11 D* --> 86Kr36 + 50V23 + 186.959 MeV [44.039 MeV]
(A_Cd:1574)
114Cd48 + 11 D* --> 87Rb37 + 49Ti22 + 187.629 MeV [44.708 MeV]
(A_Cd:1575)
114Cd48 + 11 D* --> 96Zr40 + 40K19 + 173.450 MeV [30.530 MeV]
(A_Cd:1576)
114Cd48 + 11 D* --> 113Cd48 + 23Na11 + 153.051 MeV [10.131 MeV]
(A_Cd:1577)
114Cd48 + 11 D* --> 115In49 + 21Ne10 + 149.740 MeV [6.820 MeV]
(A_Cd:1578)
114Cd48 + 11 D* --> 117Sn50 + 19F9 + 146.359 MeV [3.439 MeV]
(A_Cd:1579)
114Cd48 + 11 D* --> 122Te52 + 14N7 + 141.923 MeV [-0.998 MeV]
(A_Cd:1580)
114Cd48 + 11 D* --> 126Xe54 + 10B5 + 131.590 MeV [-11.330 MeV]
(A_Cd:1581)
114Cd48 + 11 D* --> 130Ba56 + 6Li3 + 127.647 MeV [-15.273 MeV]
(A_Cd:1582)

114Cd48 + 12 D* --> 70Zn30 + 68Zn30 + 207.180 MeV [49.348 MeV]
(A_Cd:1583)
114Cd48 + 12 D* --> 74Ge32 + 64Ni28 + 208.129 MeV [50.298 MeV]
(A_Cd:1584)
114Cd48 + 12 D* --> 76Ge32 + 62Ni28 + 207.567 MeV [49.736 MeV]
(A_Cd:1585)
114Cd48 + 12 D* --> 80Se34 + 58Fe26 + 207.521 MeV [49.690 MeV]
(A_Cd:1586)
114Cd48 + 12 D* --> 82Se34 + 56Fe26 + 205.807 MeV [47.976 MeV]
(A_Cd:1587)
114Cd48 + 12 D* --> 84Kr36 + 54Cr24 + 206.971 MeV [49.140 MeV]
(A_Cd:1588)
114Cd48 + 12 D* --> 86Kr36 + 52Cr24 + 206.290 MeV [48.459 MeV]
(A_Cd:1589)
114Cd48 + 12 D* --> 87Rb37 + 51V23 + 204.407 MeV [46.576 MeV]
(A_Cd:1590)
114Cd48 + 12 D* --> 88Sr38 + 50Ti22 + 206.956 MeV [49.125 MeV]
(A_Cd:1591)
114Cd48 + 12 D* --> 90Zr40 + 48Ca20 + 200.589 MeV [42.758 MeV]
(A_Cd:1592)
114Cd48 + 12 D* --> 92Zr40 + 46Ca20 + 199.197 MeV [41.366 MeV]
(A_Cd:1593)
114Cd48 + 12 D* --> 94Zr40 + 44Ca20 + 196.343 MeV [38.512 MeV]
(A_Cd:1594)
114Cd48 + 12 D* --> 96Zr40 + 42Ca20 + 191.598 MeV [33.766 MeV]
(A_Cd:1595)
114Cd48 + 12 D* --> 98Mo42 + 40Ar18 + 190.759 MeV [32.928 MeV]
(A_Cd:1596)
114Cd48 + 12 D* --> 100Mo42 + 38Ar18 + 188.507 MeV [30.675 MeV]
(A_Cd:1597)
114Cd48 + 12 D* --> 102Ru44 + 36S16 + 187.370 MeV [29.539 MeV]
(A_Cd:1598)
114Cd48 + 12 D* --> 104Ru44 + 34S16 + 185.628 MeV [27.797 MeV]
(A_Cd:1599)
114Cd48 + 12 D* --> 108Pd46 + 30Si14 + 181.565 MeV [23.734 MeV]
(A_Cd:1600)
114Cd48 + 12 D* --> 110Pd46 + 28Si14 + 177.450 MeV [19.619 MeV]
(A_Cd:1601)
114Cd48 + 12 D* --> 112Cd48 + 26Mg12 + 174.403 MeV [16.572 MeV]
(A_Cd:1602)
114Cd48 + 12 D* --> 113Cd48 + 25Mg12 + 169.850 MeV [12.019 MeV]
(A_Cd:1603)
114Cd48 + 12 D* --> 114Cd48 + 24Mg12 + 171.562 MeV [13.731 MeV]
(A_Cd:1604)
114Cd48 + 12 D* --> 115In49 + 23Na11 + 166.674 MeV [8.843 MeV]
(A_Cd:1605)
114Cd48 + 12 D* --> 116Sn50 + 22Ne10 + 167.161 MeV [9.329 MeV]
(A_Cd:1606)
114Cd48 + 12 D* --> 117Sn50 + 21Ne10 + 163.739 MeV [5.908 MeV]
(A_Cd:1607)
114Cd48 + 12 D* --> 118Sn50 + 20Ne10 + 166.306 MeV [8.475 MeV]
(A_Cd:1608)
114Cd48 + 12 D* --> 120Te52 + 18O8 + 157.794 MeV [-0.037 MeV]
(A_Cd:1609)

114Cd48 + 12 D* --> 122Te52 + 16O8 + 162.659 MeV [4.828 MeV]
(A_Cd:1610)
114Cd48 + 12 D* --> 126Xe54 + 12C6 + 156.776 MeV [-1.055 MeV]
(A_Cd:1611)

116Cd48 + 2 D* --> 116Cd48 + 4He2 + 23.847 MeV [00.958 MeV]
(A_Cd:1612)
116Cd48 + 2 D* --> 120Sn50 + 28.657 MeV [5.769 MeV]
(A_Cd:1613)

116Cd48 + 3 D* --> 116Cd48 + 6Li3 + 25.320 MeV [-9.521 MeV]
(A_Cd:1614)
116Cd48 + 3 D* --> 120Sn50 + 2H1 + 28.657 MeV [-6.184 MeV]
(A_Cd:1615)

116Cd48 + 4 D* --> 76Ge32 + 48Ca20 + 81.251 MeV [34.123 MeV]
(A_Cd:1616)
116Cd48 + 4 D* --> 120Sn50 + 4He2 + 52.504 MeV [5.376 MeV]
(A_Cd:1617)
116Cd48 + 4 D* --> 123Sb51 + 1H1 + 45.759 MeV [-1.369 MeV]
(A_Cd:1618)
116Cd48 + 4 D* --> 124Te52 + 54.348 MeV [7.220 MeV]
(A_Cd:1619)

116Cd48 + 5 D* --> 116Cd48 + 10B5 + 53.628 MeV [-6.117 MeV]
(A_Cd:1620)
116Cd48 + 5 D* --> 119Sn50 + 7Li3 + 52.119 MeV [-7.626 MeV]
(A_Cd:1621)
116Cd48 + 5 D* --> 120Sn50 + 6Li3 + 53.977 MeV [-5.768 MeV]
(A_Cd:1622)
116Cd48 + 5 D* --> 123Sb51 + 3He2 + 51.252 MeV [-8.493 MeV]
(A_Cd:1623)
116Cd48 + 5 D* --> 124Te52 + 2H1 + 54.348 MeV [-5.397 MeV]
(A_Cd:1624)
116Cd48 + 5 D* --> 125Te52 + 1H1 + 58.692 MeV [-1.053 MeV]
(A_Cd:1625)

116Cd48 + 6 D* --> 80Se34 + 48Ca20 + 112.069 MeV [39.379 MeV]
(A_Cd:1626)
116Cd48 + 6 D* --> 82Se34 + 46Ca20 + 110.824 MeV [38.134 MeV]
(A_Cd:1627)
116Cd48 + 6 D* --> 110Pd46 + 18O8 + 79.226 MeV [6.535 MeV]
(A_Cd:1628)
116Cd48 + 6 D* --> 116Cd48 + 12C6 + 78.814 MeV [6.124 MeV]
(A_Cd:1629)
116Cd48 + 6 D* --> 119Sn50 + 9Be4 + 68.816 MeV [-3.875 MeV]
(A_Cd:1630)
116Cd48 + 6 D* --> 121Sb51 + 7Li3 + 64.782 MeV [-7.908 MeV]
(A_Cd:1631)
116Cd48 + 6 D* --> 124Te52 + 4He2 + 78.195 MeV [5.504 MeV]
(A_Cd:1632)
116Cd48 + 6 D* --> 125Te52 + 3He2 + 64.186 MeV [-8.504 MeV]
(A_Cd:1633)

116Cd48 + 6 D* --> 127I53 + 1H1 + 71.789 MeV [-0.901 MeV]
(A_Cd:1634)
116Cd48 + 6 D* --> 128Xe54 + 79.955 MeV [7.265 MeV]
(A_Cd:1635)

116Cd48 + 7 D* --> 116Cd48 + 14N7 + 89.087 MeV [3.127 MeV]
(A_Cd:1636)
116Cd48 + 7 D* --> 119Sn50 + 11B5 + 84.631 MeV [-1.329 MeV]
(A_Cd:1637)
116Cd48 + 7 D* --> 120Sn50 + 10B5 + 82.285 MeV [-3.675 MeV]
(A_Cd:1638)
116Cd48 + 7 D* --> 121Sb51 + 9Be4 + 81.478 MeV [-4.482 MeV]
(A_Cd:1639)
116Cd48 + 7 D* --> 123Te52 + 7Li3 + 77.494 MeV [-8.466 MeV]
(A_Cd:1640)
116Cd48 + 7 D* --> 124Te52 + 6Li3 + 79.668 MeV [-6.292 MeV]
(A_Cd:1641)
116Cd48 + 7 D* --> 127I53 + 3He2 + 77.283 MeV [-8.677 MeV]
(A_Cd:1642)
116Cd48 + 7 D* --> 128Xe54 + 2H1 + 79.955 MeV [-6.005 MeV]
(A_Cd:1643)
116Cd48 + 7 D* --> 129Xe54 + 1H1 + 84.639 MeV [-1.321 MeV]
(A_Cd:1644)

116Cd48 + 8 D* --> 82Se34 + 50Ti22 + 145.387 MeV [45.836 MeV]
(A_Cd:1645)
116Cd48 + 8 D* --> 84Kr36 + 48Ca20 + 143.012 MeV [43.460 MeV]
(A_Cd:1646)
116Cd48 + 8 D* --> 86Kr36 + 46Ca20 + 142.767 MeV [43.216 MeV]
(A_Cd:1647)
116Cd48 + 8 D* --> 96Zr40 + 36S16 + 132.473 MeV [32.922 MeV]
(A_Cd:1648)
116Cd48 + 8 D* --> 110Pd46 + 22Ne10 + 112.740 MeV [13.189 MeV]
(A_Cd:1649)
116Cd48 + 8 D* --> 114Cd48 + 18O8 + 107.169 MeV [7.617 MeV]
(A_Cd:1650)
116Cd48 + 8 D* --> 116Cd48 + 16O8 + 109.823 MeV [10.271 MeV]
(A_Cd:1651)
116Cd48 + 8 D* --> 119Sn50 + 13C6 + 103.310 MeV [3.758 MeV]
(A_Cd:1652)
116Cd48 + 8 D* --> 120Sn50 + 12C6 + 107.471 MeV [7.920 MeV]
(A_Cd:1653)
116Cd48 + 8 D* --> 121Sb51 + 11B5 + 97.294 MeV [-2.258 MeV]
(A_Cd:1654)
116Cd48 + 8 D* --> 123Te52 + 9Be4 + 94.191 MeV [-5.361 MeV]
(A_Cd:1655)
116Cd48 + 8 D* --> 128Xe54 + 4He2 + 103.802 MeV [4.250 MeV]
(A_Cd:1656)
116Cd48 + 8 D* --> 129Xe54 + 3He2 + 90.133 MeV [-9.419 MeV]
(A_Cd:1657)
116Cd48 + 8 D* --> 132Ba56 + 104.801 MeV [5.250 MeV]
(A_Cd:1658)

116Cd48 + 9 D* --> 119Sn50 + 15N7 + 119.469 MeV [6.008 MeV]

(A_Cd:1659)
116Cd48 + 9 D* --> 120Sn50 + 14N7 + 117.744 MeV [4.282 MeV]
(A_Cd:1660)
116Cd48 + 9 D* --> 121Sb51 + 13C6 + 115.972 MeV [2.511 MeV]
(A_Cd:1661)
116Cd48 + 9 D* --> 123Te52 + 11B5 + 110.006 MeV [-3.455 MeV]
(A_Cd:1662)
116Cd48 + 9 D* --> 124Te52 + 10B5 + 107.976 MeV [-5.485 MeV]
(A_Cd:1663)
116Cd48 + 9 D* --> 128Xe54 + 6Li3 + 105.275 MeV [-8.186 MeV]
(A_Cd:1664)
116Cd48 + 9 D* --> 132Ba56 + 2H1 + 104.801 MeV [-8.660 MeV]
(A_Cd:1665)

116Cd48 + 10 D* --> 82Se34 + 54Cr24 + 177.164 MeV [49.477 MeV]
(A_Cd:1666)
116Cd48 + 10 D* --> 86Kr36 + 50Ti22 + 177.330 MeV [49.643 MeV]
(A_Cd:1667)
116Cd48 + 10 D* --> 88Sr38 + 48Ca20 + 174.774 MeV [47.086 MeV]
(A_Cd:1668)
116Cd48 + 10 D* --> 96Zr40 + 40Ar18 + 163.121 MeV [35.433 MeV]
(A_Cd:1669)
116Cd48 + 10 D* --> 100Mo42 + 36S16 + 159.486 MeV [31.799 MeV]
(A_Cd:1670)
116Cd48 + 10 D* --> 110Pd46 + 26Mg12 + 147.202 MeV [19.514 MeV]
(A_Cd:1671)
116Cd48 + 10 D* --> 114Cd48 + 22Ne10 + 140.683 MeV [12.996 MeV]
(A_Cd:1672)
116Cd48 + 10 D* --> 116Cd48 + 20Ne10 + 138.399 MeV [10.712 MeV]
(A_Cd:1673)
116Cd48 + 10 D* --> 118Sn50 + 18O8 + 135.075 MeV [7.388 MeV]
(A_Cd:1674)
116Cd48 + 10 D* --> 119Sn50 + 17O8 + 133.515 MeV [5.828 MeV]
(A_Cd:1675)
116Cd48 + 10 D* --> 120Sn50 + 16O8 + 138.480 MeV [10.793 MeV]
(A_Cd:1676)
116Cd48 + 10 D* --> 121Sb51 + 15N7 + 132.131 MeV [4.444 MeV]
(A_Cd:1677)
116Cd48 + 10 D* --> 123Te52 + 13C6 + 128.685 MeV [00.997 MeV]
(A_Cd:1678)
116Cd48 + 10 D* --> 124Te52 + 12C6 + 133.162 MeV [5.475 MeV]
(A_Cd:1679)
116Cd48 + 10 D* --> 132Ba56 + 4He2 + 128.648 MeV [00.960 MeV]
(A_Cd:1680)
116Cd48 + 10 D* --> 136Ce58 + 129.106 MeV [1.419 MeV]
(A_Cd:1681)

116Cd48 + 11 D* --> 119Sn50 + 19F9 + 147.329 MeV [5.103 MeV]
(A_Cd:1682)
116Cd48 + 11 D* --> 121Sb51 + 17O8 + 146.177 MeV [3.951 MeV]
(A_Cd:1683)
116Cd48 + 11 D* --> 123Te52 + 15N7 + 144.844 MeV [2.618 MeV]
(A_Cd:1684)
116Cd48 + 11 D* --> 124Te52 + 14N7 + 143.435 MeV [1.208 MeV]

(A_Cd:1685)
116Cd48 + 11 D* --> 128Xe54 + 10B5 + 133.583 MeV [-8.644 MeV]
(A_Cd:1686)
116Cd48 + 11 D* --> 132Ba56 + 6Li3 + 130.122 MeV [-12.105 MeV]
(A_Cd:1687)
116Cd48 + 11 D* --> 136Ce58 + 2H1 + 129.106 MeV [-13.120 MeV]
(A_Cd:1688)

116Cd48 + 12 D* --> 70Zn30 + 70Zn30 + 208.039 MeV [50.963 MeV]
(A_Cd:1689)
116Cd48 + 12 D* --> 76Ge32 + 64Ni28 + 209.222 MeV [52.146 MeV]
(A_Cd:1690)
116Cd48 + 12 D* --> 82Se34 + 58Fe26 + 208.657 MeV [51.581 MeV]
(A_Cd:1691)
116Cd48 + 12 D* --> 86Kr36 + 54Cr24 + 209.107 MeV [52.031 MeV]
(A_Cd:1692)
116Cd48 + 12 D* --> 92Zr40 + 48Ca20 + 201.577 MeV [44.501 MeV]
(A_Cd:1693)
116Cd48 + 12 D* --> 94Zr40 + 46Ca20 + 199.311 MeV [42.235 MeV]
(A_Cd:1694)
116Cd48 + 12 D* --> 96Zr40 + 44Ca20 + 195.821 MeV [38.745 MeV]
(A_Cd:1695)
116Cd48 + 12 D* --> 100Mo42 + 40Ar18 + 190.133 MeV [33.058 MeV]
(A_Cd:1696)
116Cd48 + 12 D* --> 104Ru44 + 36S16 + 187.662 MeV [30.586 MeV]
(A_Cd:1697)
116Cd48 + 12 D* --> 110Pd46 + 30Si14 + 181.691 MeV [24.615 MeV]
(A_Cd:1698)
116Cd48 + 12 D* --> 114Cd48 + 26Mg12 + 175.145 MeV [18.069 MeV]
(A_Cd:1699)
116Cd48 + 12 D* --> 116Cd48 + 24Mg12 + 171.562 MeV [14.486 MeV]
(A_Cd:1700)
116Cd48 + 12 D* --> 118Sn50 + 22Ne10 + 168.590 MeV [11.514 MeV]
(A_Cd:1701)
116Cd48 + 12 D* --> 119Sn50 + 21Ne10 + 164.709 MeV [7.633 MeV]
(A_Cd:1702)
116Cd48 + 12 D* --> 120Sn50 + 20Ne10 + 167.056 MeV [9.980 MeV]
(A_Cd:1703)
116Cd48 + 12 D* --> 121Sb51 + 19F9 + 159.992 MeV [2.916 MeV]
(A_Cd:1704)
116Cd48 + 12 D* --> 122Te52 + 18O8 + 160.005 MeV [2.929 MeV]
(A_Cd:1705)
116Cd48 + 12 D* --> 123Te52 + 17O8 + 158.890 MeV [1.814 MeV]
(A_Cd:1706)
116Cd48 + 12 D* --> 124Te52 + 16O8 + 164.171 MeV [7.095 MeV]
(A_Cd:1707)
116Cd48 + 12 D* --> 128Xe54 + 12C6 + 158.769 MeV [1.693 MeV]
(A_Cd:1708)
116Cd48 + 12 D* --> 136Ce58 + 4He2 + 152.953 MeV [-4.123 MeV]
(A_Cd:1709)

---------- Equations follow for Indium, In, element 49 ----------

113In49 + D* --> 67Zn30 + 48Ca20 + 35.861 MeV [24.253 MeV] (A_In:1)

113In49 + D* --> 82Se34 + 33S16 + 27.946 MeV [16.338 MeV] (A_In:2)
113In49 + D* --> 86Kr36 + 29Si14 + 28.927 MeV [17.319 MeV] (A_In:3)
113In49 + D* --> 94Zr40 + 21Ne10 + 16.765 MeV [5.157 MeV] (A_In:4)
113In49 + D* --> 97Mo42 + 18O8 + 12.088 MeV [00.480 MeV] (A_In:5)
113In49 + D* --> 98Mo42 + 17O8 + 12.687 MeV [1.079 MeV] (A_In:6)
113In49 + D* --> 102Ru44 + 13C6 + 9.739 MeV [-1.869 MeV] (A_In:7)
113In49 + D* --> 106Pd46 + 9Be4 + 2.321 MeV [-9.287 MeV] (A_In:8)
113In49 + D* --> 111Cd48 + 4He2 + 10.599 MeV [-1.009 MeV] (A_In:9)
113In49 + D* --> 115Sn50 + 13.802 MeV [2.194 MeV] (A_In:10)

113In49 + 2 D* --> 69Ga31 + 48Ca20 + 50.444 MeV [26.890 MeV] (A_In:11)
113In49 + 2 D* --> 71Ga31 + 46Ca20 + 50.177 MeV [26.624 MeV] (A_In:12)
113In49 + 2 D* --> 76Ge32 + 41K19 + 45.674 MeV [22.120 MeV] (A_In:13)
113In49 + 2 D* --> 80Se34 + 37Cl17 + 46.423 MeV [22.870 MeV] (A_In:14)
113In49 + 2 D* --> 82Se34 + 35Cl17 + 43.509 MeV [19.956 MeV] (A_In:15)
113In49 + 2 D* --> 81Br35 + 36S16 + 45.541 MeV [21.987 MeV] (A_In:16)
113In49 + 2 D* --> 86Kr36 + 31P15 + 44.608 MeV [21.055 MeV] (A_In:17)
113In49 + 2 D* --> 87Rb37 + 30Si14 + 45.933 MeV [22.379 MeV] (A_In:18)
113In49 + 2 D* --> 94Zr40 + 23Na11 + 33.699 MeV [10.145 MeV] (A_In:19)
113In49 + 2 D* --> 98Mo42 + 19F9 + 26.501 MeV [2.947 MeV] (A_In:20)
113In49 + 2 D* --> 102Ru44 + 15N7 + 25.898 MeV [2.345 MeV] (A_In:21)
113In49 + 2 D* --> 106Pd46 + 11B5 + 18.136 MeV [-5.417 MeV] (A_In:22)
113In49 + 2 D* --> 110Cd48 + 7Li3 + 12.347 MeV [-11.207 MeV] (A_In:23)
113In49 + 2 D* --> 111Cd48 + 6Li3 + 12.073 MeV [-11.481 MeV] (A_In:24)
113In49 + 2 D* --> 113In49 + 4He2 + 23.847 MeV [00.293 MeV] (A_In:25)
113In49 + 2 D* --> 115Sn50 + 2H1 + 13.802 MeV [-9.752 MeV] (A_In:26)
113In49 + 2 D* --> 116Sn50 + 1H1 + 21.141 MeV [-2.413 MeV] (A_In:27)

113In49 + 3 D* --> 70Zn30 + 49Ti22 + 68.161 MeV [32.327 MeV] (A_In:28)
113In49 + 3 D* --> 73Ge32 + 46Ca20 + 64.470 MeV [28.636 MeV] (A_In:29)
113In49 + 3 D* --> 76Ge32 + 43Ca20 + 61.659 MeV [25.825 MeV] (A_In:30)
113In49 + 3 D* --> 83Kr36 + 36S16 + 60.683 MeV [24.849 MeV] (A_In:31)
113In49 + 3 D* --> 86Kr36 + 33S16 + 59.889 MeV [24.055 MeV] (A_In:32)
113In49 + 3 D* --> 94Zr40 + 25Mg12 + 50.497 MeV [14.663 MeV] (A_In:33)
113In49 + 3 D* --> 97Mo42 + 22Ne10 + 45.603 MeV [9.769 MeV] (A_In:34)
113In49 + 3 D* --> 98Mo42 + 21Ne10 + 43.881 MeV [8.047 MeV] (A_In:35)
113In49 + 3 D* --> 101Ru44 + 18O8 + 38.769 MeV [2.935 MeV] (A_In:36)
113In49 + 3 D* --> 102Ru44 + 17O8 + 39.944 MeV [4.110 MeV] (A_In:37)
113In49 + 3 D* --> 106Pd46 + 13C6 + 36.815 MeV [00.981 MeV] (A_In:38)
113In49 + 3 D* --> 109Ag47 + 10B5 + 26.709 MeV [-9.124 MeV] (A_In:39)
113In49 + 3 D* --> 110Cd48 + 9Be4 + 29.043 MeV [-6.791 MeV] (A_In:40)
113In49 + 3 D* --> 113In49 + 6Li3 + 25.320 MeV [-10.514 MeV] (A_In:41)
113In49 + 3 D* --> 115Sn50 + 4He2 + 37.649 MeV [1.815 MeV] (A_In:42)
113In49 + 3 D* --> 116Sn50 + 3He2 + 26.634 MeV [-9.200 MeV] (A_In:43)

113In49 + 4 D* --> 70Zn30 + 51V23 + 84.939 MeV [36.494 MeV] (A_In:44)
113In49 + 4 D* --> 71Ga31 + 50Ti22 + 84.740 MeV [36.295 MeV] (A_In:45)
113In49 + 4 D* --> 76Ge32 + 45Sc21 + 77.454 MeV [29.009 MeV] (A_In:46)
113In49 + 4 D* --> 75As33 + 46Ca20 + 79.341 MeV [30.895 MeV] (A_In:47)
113In49 + 4 D* --> 80Se34 + 41K19 + 76.492 MeV [28.047 MeV] (A_In:48)
113In49 + 4 D* --> 82Se34 + 39K19 + 74.574 MeV [26.129 MeV] (A_In:49)
113In49 + 4 D* --> 81Br35 + 40Ar18 + 76.188 MeV [27.742 MeV] (A_In:50)
113In49 + 4 D* --> 84Kr36 + 37Cl17 + 77.366 MeV [28.920 MeV] (A_In:51)
113In49 + 4 D* --> 86Kr36 + 35Cl17 + 75.452 MeV [27.007 MeV] (A_In:52)

113In49 + 4 D* --> 85Rb37 + 36S16 + 76.005 MeV [27.559 MeV] (A_In:53)
113In49 + 4 D* --> 87Rb37 + 34S16 + 77.703 MeV [29.257 MeV] (A_In:54)
113In49 + 4 D* --> 94Zr40 + 27Al13 + 67.637 MeV [19.191 MeV] (A_In:55)
113In49 + 4 D* --> 98Mo42 + 23Na11 + 60.815 MeV [12.369 MeV] (A_In:56)
113In49 + 4 D* --> 102Ru44 + 19F9 + 53.759 MeV [5.313 MeV] (A_In:57)
113In49 + 4 D* --> 103Rh45 + 18O8 + 51.977 MeV [3.531 MeV] (A_In:58)
113In49 + 4 D* --> 106Pd46 + 15N7 + 52.974 MeV [4.529 MeV] (A_In:59)
113In49 + 4 D* --> 109Ag47 + 12C6 + 51.896 MeV [3.450 MeV] (A_In:60)
113In49 + 4 D* --> 110Cd48 + 11B5 + 44.858 MeV [-3.587 MeV] (A_In:61)
113In49 + 4 D* --> 111Cd48 + 10B5 + 40.380 MeV [-8.066 MeV] (A_In:62)
113In49 + 4 D* --> 114Sn50 + 7Li3 + 38.826 MeV [-9.620 MeV] (A_In:63)
113In49 + 4 D* --> 115Sn50 + 6Li3 + 39.122 MeV [-9.323 MeV] (A_In:64)
113In49 + 4 D* --> 120Te52 + 1H1 + 45.289 MeV [-3.157 MeV] (A_In:65)

113In49 + 5 D* --> 70Zn30 + 53Cr24 + 101.158 MeV [39.773 MeV] (A_In:66)
113In49 + 5 D* --> 73Ge32 + 50Ti22 + 99.033 MeV [37.648 MeV] (A_In:67)
113In49 + 5 D* --> 74Ge32 + 49Ti22 + 98.290 MeV [36.905 MeV] (A_In:68)
113In49 + 5 D* --> 76Ge32 + 47Ti22 + 94.454 MeV [33.069 MeV] (A_In:69)
113In49 + 5 D* --> 77Se34 + 46Ca20 + 94.044 MeV [32.659 MeV] (A_In:70)
113In49 + 5 D* --> 80Se34 + 43Ca20 + 92.478 MeV [31.092 MeV] (A_In:71)
113In49 + 5 D* --> 83Kr36 + 40Ar18 + 91.331 MeV [29.945 MeV] (A_In:72)
113In49 + 5 D* --> 87Sr38 + 36S16 + 91.853 MeV [30.468 MeV] (A_In:73)
113In49 + 5 D* --> 94Zr40 + 29Si14 + 85.471 MeV [24.086 MeV] (A_In:74)
113In49 + 5 D* --> 97Mo42 + 26Mg12 + 80.064 MeV [18.679 MeV] (A_In:75)
113In49 + 5 D* --> 98Mo42 + 25Mg12 + 77.614 MeV [16.228 MeV] (A_In:76)
113In49 + 5 D* --> 101Ru44 + 22Ne10 + 72.283 MeV [10.898 MeV] (A_In:77)
113In49 + 5 D* --> 102Ru44 + 21Ne10 + 71.139 MeV [9.754 MeV] (A_In:78)
113In49 + 5 D* --> 105Pd46 + 18O8 + 65.503 MeV [4.118 MeV] (A_In:79)
113In49 + 5 D* --> 106Pd46 + 17O8 + 67.020 MeV [5.635 MeV] (A_In:80)
113In49 + 5 D* --> 109Ag47 + 14N7 + 62.168 MeV [00.783 MeV] (A_In:81)
113In49 + 5 D* --> 110Cd48 + 13C6 + 63.537 MeV [2.152 MeV] (A_In:82)
113In49 + 5 D* --> 111Cd48 + 12C6 + 65.567 MeV [4.181 MeV] (A_In:83)
113In49 + 5 D* --> 113In49 + 10B5 + 53.628 MeV [-7.757 MeV] (A_In:84)
113In49 + 5 D* --> 114Sn50 + 9Be4 + 55.522 MeV [-5.863 MeV] (A_In:85)
113In49 + 5 D* --> 120Te52 + 3He2 + 50.782 MeV [-10.603 MeV] (A_In:86)

113In49 + 6 D* --> 70Zn30 + 55Mn25 + 116.720 MeV [42.070 MeV] (A_In:87)
113In49 + 6 D* --> 71Ga31 + 54Cr24 + 116.517 MeV [41.868 MeV] (A_In:88)
113In49 + 6 D* --> 74Ge32 + 51V23 + 115.069 MeV [40.419 MeV] (A_In:89)
113In49 + 6 D* --> 75As33 + 50Ti22 + 113.904 MeV [39.254 MeV] (A_In:90)
113In49 + 6 D* --> 80Se34 + 45Sc21 + 108.272 MeV [33.623 MeV] (A_In:91)
113In49 + 6 D* --> 79Br35 + 46Ca20 + 108.648 MeV [33.999 MeV] (A_In:92)
113In49 + 6 D* --> 81Br35 + 44Ca20 + 108.888 MeV [34.238 MeV] (A_In:93)
113In49 + 6 D* --> 84Kr36 + 41K19 + 107.435 MeV [32.785 MeV] (A_In:94)
113In49 + 6 D* --> 86Kr36 + 39K19 + 106.517 MeV [31.868 MeV] (A_In:95)
113In49 + 6 D* --> 85Rb37 + 40Ar18 + 106.652 MeV [32.002 MeV] (A_In:96)
113In49 + 6 D* --> 87Rb37 + 38Ar18 + 108.757 MeV [34.107 MeV] (A_In:97)
113In49 + 6 D* --> 88Sr38 + 37Cl17 + 109.128 MeV [34.478 MeV] (A_In:98)
113In49 + 6 D* --> 89Y39 + 36S16 + 107.811 MeV [33.161 MeV] (A_In:99)
113In49 + 6 D* --> 94Zr40 + 31P15 + 101.152 MeV [26.503 MeV] (A_In:100)
113In49 + 6 D* --> 98Mo42 + 27Al13 + 94.753 MeV [20.103 MeV] (A_In:101)
113In49 + 6 D* --> 102Ru44 + 23Na11 + 88.073 MeV [13.423 MeV] (A_In:102)
113In49 + 6 D* --> 103Rh45 + 22Ne10 + 85.492 MeV [10.842 MeV] (A_In:103)
113In49 + 6 D* --> 106Pd46 + 19F9 + 80.835 MeV [6.185 MeV] (A_In:104)

113In49 + 6 D* --> 107Ag47 + 18O8 + 78.628 MeV [3.978 MeV] (A_In:105)
113In49 + 6 D* --> 109Ag47 + 16O8 + 82.904 MeV [8.255 MeV] (A_In:106)
113In49 + 6 D* --> 110Cd48 + 15N7 + 79.696 MeV [5.047 MeV] (A_In:107)
113In49 + 6 D* --> 111Cd48 + 14N7 + 75.839 MeV [1.189 MeV] (A_In:108)
113In49 + 6 D* --> 113In49 + 12C6 + 78.814 MeV [4.165 MeV] (A_In:109)
113In49 + 6 D* --> 114Sn50 + 11B5 + 71.338 MeV [-3.312 MeV] (A_In:110)
113In49 + 6 D* --> 115Sn50 + 10B5 + 67.430 MeV [-7.220 MeV] (A_In:111)
113In49 + 6 D* --> 124Xe54 + 1H1 + 69.816 MeV [-4.834 MeV] (A_In:112)

113In49 + 7 D* --> 70Zn30 + 57Fe26 + 132.325 MeV [44.089 MeV] (A_In:113)
113In49 + 7 D* --> 73Ge32 + 54Cr24 + 130.811 MeV [42.575 MeV] (A_In:114)
113In49 + 7 D* --> 74Ge32 + 53Cr24 + 131.288 MeV [43.052 MeV] (A_In:115)
113In49 + 7 D* --> 77Se34 + 50Ti22 + 128.607 MeV [40.371 MeV] (A_In:116)
113In49 + 7 D* --> 78Se34 + 49Ti22 + 128.165 MeV [39.929 MeV] (A_In:117)
113In49 + 7 D* --> 80Se34 + 47Ti22 + 125.273 MeV [37.037 MeV] (A_In:118)
113In49 + 7 D* --> 83Kr36 + 44Ca20 + 124.031 MeV [35.795 MeV] (A_In:119)
113In49 + 7 D* --> 84Kr36 + 43Ca20 + 123.420 MeV [35.184 MeV] (A_In:120)
113In49 + 7 D* --> 87Rb37 + 40K19 + 120.713 MeV [32.478 MeV] (A_In:121)
113In49 + 7 D* --> 87Sr38 + 40Ar18 + 122.501 MeV [34.265 MeV] (A_In:122)
113In49 + 7 D* --> 91Zr40 + 36S16 + 121.135 MeV [32.899 MeV] (A_In:123)
113In49 + 7 D* --> 94Zr40 + 33S16 + 116.433 MeV [28.197 MeV] (A_In:124)
113In49 + 7 D* --> 97Mo42 + 30Si14 + 114.554 MeV [26.318 MeV] (A_In:125)
113In49 + 7 D* --> 98Mo42 + 29Si14 + 112.587 MeV [24.351 MeV] (A_In:126)
113In49 + 7 D* --> 101Ru44 + 26Mg12 + 106.745 MeV [18.509 MeV] (A_In:127)
113In49 + 7 D* --> 102Ru44 + 25Mg12 + 104.871 MeV [16.635 MeV] (A_In:128)
113In49 + 7 D* --> 105Pd46 + 22Ne10 + 99.018 MeV [10.782 MeV] (A_In:129)
113In49 + 7 D* --> 106Pd46 + 21Ne10 + 98.215 MeV [9.979 MeV] (A_In:130)
113In49 + 7 D* --> 110Cd48 + 17O8 + 93.742 MeV [5.506 MeV] (A_In:131)
113In49 + 7 D* --> 111Cd48 + 16O8 + 96.575 MeV [8.339 MeV] (A_In:132)
113In49 + 7 D* --> 113In49 + 14N7 + 89.087 MeV [00.851 MeV] (A_In:133)
113In49 + 7 D* --> 114Sn50 + 13C6 + 90.016 MeV [1.780 MeV] (A_In:134)
113In49 + 7 D* --> 115Sn50 + 12C6 + 92.616 MeV [4.381 MeV] (A_In:135)
113In49 + 7 D* --> 124Xe54 + 3He2 + 75.309 MeV [-12.927 MeV] (A_In:136)

113In49 + 8 D* --> 65Cu29 + 64Ni28 + 150.079 MeV [47.938 MeV] (A_In:137)
113In49 + 8 D* --> 70Zn30 + 59Co27 + 147.509 MeV [45.368 MeV] (A_In:138)
113In49 + 8 D* --> 71Ga31 + 58Fe26 + 148.010 MeV [45.869 MeV] (A_In:139)
113In49 + 8 D* --> 74Ge32 + 55Mn25 + 146.849 MeV [44.708 MeV] (A_In:140)
113In49 + 8 D* --> 75As33 + 54Cr24 + 145.681 MeV [43.540 MeV] (A_In:141)
113In49 + 8 D* --> 78Se34 + 51V23 + 144.944 MeV [42.803 MeV] (A_In:142)
113In49 + 8 D* --> 79Br35 + 50Ti22 + 143.211 MeV [41.070 MeV] (A_In:143)
113In49 + 8 D* --> 81Br35 + 48Ti22 + 142.179 MeV [40.038 MeV] (A_In:144)
113In49 + 8 D* --> 84Kr36 + 45Sc21 + 139.215 MeV [37.074 MeV] (A_In:145)
113In49 + 8 D* --> 85Rb37 + 44Ca20 + 139.352 MeV [37.211 MeV] (A_In:146)
113In49 + 8 D* --> 87Rb37 + 42Ca20 + 138.861 MeV [36.720 MeV] (A_In:147)
113In49 + 8 D* --> 88Sr38 + 41K19 + 139.197 MeV [37.056 MeV] (A_In:148)
113In49 + 8 D* --> 89Y39 + 40Ar18 + 138.458 MeV [36.317 MeV] (A_In:149)
113In49 + 8 D* --> 92Zr40 + 37Cl17 + 135.932 MeV [33.790 MeV] (A_In:150)
113In49 + 8 D* --> 94Zr40 + 35Cl17 + 131.997 MeV [29.855 MeV] (A_In:151)
113In49 + 8 D* --> 93Nb41 + 36S16 + 133.589 MeV [31.447 MeV] (A_In:152)
113In49 + 8 D* --> 98Mo42 + 31P15 + 128.269 MeV [26.128 MeV] (A_In:153)
113In49 + 8 D* --> 102Ru44 + 27Al13 + 122.011 MeV [19.870 MeV] (A_In:154)
113In49 + 8 D* --> 103Rh45 + 26Mg12 + 119.953 MeV [17.812 MeV] (A_In:155)
113In49 + 8 D* --> 106Pd46 + 23Na11 + 115.148 MeV [13.007 MeV] (A_In:156)

113In49 + 8 D* --> 107Ag47 + 22Ne10 + 112.143 MeV [10.001 MeV] (A_In:157)
113In49 + 8 D* --> 109Ag47 + 20Ne10 + 111.481 MeV [9.340 MeV] (A_In:158)
113In49 + 8 D* --> 110Cd48 + 19F9 + 107.557 MeV [5.415 MeV] (A_In:159)
113In49 + 8 D* --> 113In49 + 16O8 + 109.823 MeV [7.682 MeV] (A_In:160)
113In49 + 8 D* --> 114Sn50 + 15N7 + 106.176 MeV [4.035 MeV] (A_In:161)
113In49 + 8 D* --> 115Sn50 + 14N7 + 102.889 MeV [00.748 MeV] (A_In:162)

113In49 + 9 D* --> 67Zn30 + 64Ni28 + 163.832 MeV [47.469 MeV] (A_In:163)
113In49 + 9 D* --> 70Zn30 + 61Ni28 + 162.637 MeV [46.275 MeV] (A_In:164)
113In49 + 9 D* --> 73Ge32 + 58Fe26 + 162.303 MeV [45.940 MeV] (A_In:165)
113In49 + 9 D* --> 74Ge32 + 57Fe26 + 162.454 MeV [46.092 MeV] (A_In:166)
113In49 + 9 D* --> 77Se34 + 54Cr24 + 160.384 MeV [44.022 MeV] (A_In:167)
113In49 + 9 D* --> 78Se34 + 53Cr24 + 161.163 MeV [44.800 MeV] (A_In:168)
113In49 + 9 D* --> 81Br35 + 50V23 + 156.048 MeV [39.686 MeV] (A_In:169)
113In49 + 9 D* --> 82Kr36 + 49Ti22 + 158.000 MeV [41.638 MeV] (A_In:170)
113In49 + 9 D* --> 83Kr36 + 48Ti22 + 157.321 MeV [40.959 MeV] (A_In:171)
113In49 + 9 D* --> 84Kr36 + 47Ti22 + 156.215 MeV [39.853 MeV] (A_In:172)
113In49 + 9 D* --> 87Sr38 + 44Ca20 + 155.201 MeV [38.838 MeV] (A_In:173)
113In49 + 9 D* --> 88Sr38 + 43Ca20 + 155.182 MeV [38.820 MeV] (A_In:174)
113In49 + 9 D* --> 91Zr40 + 40Ar18 + 151.782 MeV [35.420 MeV] (A_In:175)
113In49 + 9 D* --> 95Mo42 + 36S16 + 147.223 MeV [30.861 MeV] (A_In:176)
113In49 + 9 D* --> 97Mo42 + 34S16 + 146.324 MeV [29.962 MeV] (A_In:177)
113In49 + 9 D* --> 98Mo42 + 33S16 + 143.550 MeV [27.187 MeV] (A_In:178)
113In49 + 9 D* --> 101Ru44 + 30Si14 + 141.235 MeV [24.872 MeV] (A_In:179)
113In49 + 9 D* --> 102Ru44 + 29Si14 + 139.845 MeV [23.483 MeV] (A_In:180)
113In49 + 9 D* --> 105Pd46 + 26Mg12 + 133.479 MeV [17.117 MeV] (A_In:181)
113In49 + 9 D* --> 106Pd46 + 25Mg12 + 131.947 MeV [15.585 MeV] (A_In:182)
113In49 + 9 D* --> 110Cd48 + 21Ne10 + 124.937 MeV [8.574 MeV] (A_In:183)
113In49 + 9 D* --> 111Cd48 + 20Ne10 + 125.151 MeV [8.789 MeV] (A_In:184)
113In49 + 9 D* --> 114Sn50 + 17O8 + 120.222 MeV [3.859 MeV] (A_In:185)
113In49 + 9 D* --> 115Sn50 + 16O8 + 123.625 MeV [7.262 MeV] (A_In:186)

113In49 + 10 D* --> 68Zn30 + 65Cu29 + 179.258 MeV [48.361 MeV] (A_In:187)
113In49 + 10 D* --> 70Zn30 + 63Cu29 + 177.132 MeV [46.235 MeV] (A_In:188)
113In49 + 10 D* --> 69Ga31 + 64Ni28 + 178.415 MeV [47.518 MeV] (A_In:189)
113In49 + 10 D* --> 71Ga31 + 62Ni28 + 178.874 MeV [47.977 MeV] (A_In:190)
113In49 + 10 D* --> 74Ge32 + 59Co27 + 177.638 MeV [46.741 MeV] (A_In:191)
113In49 + 10 D* --> 75As33 + 58Fe26 + 177.173 MeV [46.276 MeV] (A_In:192)
113In49 + 10 D* --> 78Se34 + 55Mn25 + 176.724 MeV [45.827 MeV] (A_In:193)
113In49 + 10 D* --> 79Br35 + 54Cr24 + 174.989 MeV [44.092 MeV] (A_In:194)
113In49 + 10 D* --> 81Br35 + 52Cr24 + 175.379 MeV [44.482 MeV] (A_In:195)
113In49 + 10 D* --> 82Kr36 + 51V23 + 174.778 MeV [43.881 MeV] (A_In:196)
113In49 + 10 D* --> 83Kr36 + 50V23 + 171.191 MeV [40.294 MeV] (A_In:197)
113In49 + 10 D* --> 85Rb37 + 48Ti22 + 172.643 MeV [41.746 MeV] (A_In:198)
113In49 + 10 D* --> 87Rb37 + 46Ti22 + 170.709 MeV [39.812 MeV] (A_In:199)
113In49 + 10 D* --> 88Sr38 + 45Sc21 + 170.977 MeV [40.080 MeV] (A_In:200)
113In49 + 10 D* --> 89Y39 + 44Ca20 + 171.158 MeV [40.261 MeV] (A_In:201)
113In49 + 10 D* --> 92Zr40 + 41K19 + 166.001 MeV [35.103 MeV] (A_In:202)
113In49 + 10 D* --> 94Zr40 + 39K19 + 163.061 MeV [32.164 MeV] (A_In:203)
113In49 + 10 D* --> 93Nb41 + 40Ar18 + 164.236 MeV [33.339 MeV] (A_In:204)
113In49 + 10 D* --> 96Mo42 + 37Cl17 + 162.540 MeV [31.643 MeV] (A_In:205)
113In49 + 10 D* --> 98Mo42 + 35Cl17 + 159.113 MeV [28.216 MeV] (A_In:206)
113In49 + 10 D* --> 102Ru44 + 31P15 + 155.527 MeV [24.629 MeV] (A_In:207)
113In49 + 10 D* --> 103Rh45 + 30Si14 + 154.443 MeV [23.546 MeV] (A_In:208)

113In49 + 10 D* --> 106Pd46 + 27Al13 + 149.087 MeV [18.190 MeV] (A_In:209)
113In49 + 10 D* --> 107Ag47 + 26Mg12 + 146.604 MeV [15.707 MeV] (A_In:210)
113In49 + 10 D* --> 109Ag47 + 24Mg12 + 144.644 MeV [13.747 MeV] (A_In:211)
113In49 + 10 D* --> 110Cd48 + 23Na11 + 141.870 MeV [10.973 MeV] (A_In:212)
113In49 + 10 D* --> 113In49 + 20Ne10 + 138.399 MeV [7.502 MeV] (A_In:213)
113In49 + 10 D* --> 114Sn50 + 19F9 + 134.036 MeV [3.139 MeV] (A_In:214)

113In49 + 11 D* --> 68Zn30 + 67Zn30 + 193.011 MeV [47.269 MeV] (A_In:215)
113In49 + 11 D* --> 73Ge32 + 62Ni28 + 193.167 MeV [47.425 MeV] (A_In:216)
113In49 + 11 D* --> 74Ge32 + 61Ni28 + 192.767 MeV [47.024 MeV] (A_In:217)
113In49 + 11 D* --> 77Se34 + 58Fe26 + 191.876 MeV [46.134 MeV] (A_In:218)
113In49 + 11 D* --> 78Se34 + 57Fe26 + 192.330 MeV [46.587 MeV] (A_In:219)
113In49 + 11 D* --> 82Kr36 + 53Cr24 + 190.998 MeV [45.255 MeV] (A_In:220)
113In49 + 11 D* --> 83Kr36 + 52Cr24 + 190.522 MeV [44.780 MeV] (A_In:221)
113In49 + 11 D* --> 85Rb37 + 50V23 + 186.512 MeV [40.770 MeV] (A_In:222)
113In49 + 11 D* --> 86Sr38 + 49Ti22 + 188.206 MeV [42.463 MeV] (A_In:223)
113In49 + 11 D* --> 87Sr38 + 48Ti22 + 188.491 MeV [42.749 MeV] (A_In:224)
113In49 + 11 D* --> 88Sr38 + 47Ti22 + 187.977 MeV [42.235 MeV] (A_In:225)
113In49 + 11 D* --> 91Zr40 + 44Ca20 + 184.482 MeV [38.740 MeV] (A_In:226)
113In49 + 11 D* --> 92Zr40 + 43Ca20 + 181.986 MeV [36.243 MeV] (A_In:227)
113In49 + 11 D* --> 95Mo42 + 40Ar18 + 177.871 MeV [32.128 MeV] (A_In:228)
113In49 + 11 D* --> 97Mo42 + 38Ar18 + 177.378 MeV [31.636 MeV] (A_In:229)
113In49 + 11 D* --> 99Ru44 + 36S16 + 173.404 MeV [27.662 MeV] (A_In:230)
113In49 + 11 D* --> 101Ru44 + 34S16 + 173.005 MeV [27.262 MeV] (A_In:231)
113In49 + 11 D* --> 102Ru44 + 33S16 + 170.807 MeV [25.065 MeV] (A_In:232)
113In49 + 11 D* --> 105Pd46 + 30Si14 + 167.969 MeV [22.227 MeV] (A_In:233)
113In49 + 11 D* --> 106Pd46 + 29Si14 + 166.921 MeV [21.178 MeV] (A_In:234)
113In49 + 11 D* --> 110Cd48 + 25Mg12 + 158.669 MeV [12.927 MeV] (A_In:235)
113In49 + 11 D* --> 111Cd48 + 24Mg12 + 158.314 MeV [12.572 MeV] (A_In:236)
113In49 + 11 D* --> 114Sn50 + 21Ne10 + 151.416 MeV [5.674 MeV] (A_In:237)
113In49 + 11 D* --> 115Sn50 + 20Ne10 + 152.201 MeV [6.459 MeV] (A_In:238)

113In49 + 12 D* --> 69Ga31 + 68Zn30 + 207.594 MeV [46.698 MeV] (A_In:239)
113In49 + 12 D* --> 71Ga31 + 66Zn30 + 207.299 MeV [46.403 MeV] (A_In:240)
113In49 + 12 D* --> 72Ge32 + 65Cu29 + 208.109 MeV [47.213 MeV] (A_In:241)
113In49 + 12 D* --> 74Ge32 + 63Cu29 + 207.261 MeV [46.365 MeV] (A_In:242)
113In49 + 12 D* --> 75As33 + 62Ni28 + 208.038 MeV [47.142 MeV] (A_In:243)
113In49 + 12 D* --> 78Se34 + 59Co27 + 207.514 MeV [46.618 MeV] (A_In:244)
113In49 + 12 D* --> 79Br35 + 58Fe26 + 206.481 MeV [45.585 MeV] (A_In:245)
113In49 + 12 D* --> 81Br35 + 56Fe26 + 206.839 MeV [45.943 MeV] (A_In:246)
113In49 + 12 D* --> 82Kr36 + 55Mn25 + 206.559 MeV [45.663 MeV] (A_In:247)
113In49 + 12 D* --> 85Rb37 + 52Cr24 + 205.843 MeV [44.947 MeV] (A_In:248)
113In49 + 12 D* --> 87Rb37 + 50Cr24 + 203.116 MeV [42.221 MeV] (A_In:249)
113In49 + 12 D* --> 86Sr38 + 51V23 + 204.984 MeV [44.088 MeV] (A_In:250)
113In49 + 12 D* --> 87Sr38 + 50V23 + 202.361 MeV [41.465 MeV] (A_In:251)
113In49 + 12 D* --> 89Y39 + 48Ti22 + 204.449 MeV [43.553 MeV] (A_In:252)
113In49 + 12 D* --> 92Zr40 + 45Sc21 + 197.781 MeV [36.885 MeV] (A_In:253)
113In49 + 12 D* --> 93Nb41 + 44Ca20 + 196.936 MeV [36.040 MeV] (A_In:254)
113In49 + 12 D* --> 96Mo42 + 41K19 + 192.609 MeV [31.713 MeV] (A_In:255)
113In49 + 12 D* --> 97Mo42 + 40K19 + 189.335 MeV [28.439 MeV] (A_In:256)
113In49 + 12 D* --> 98Mo42 + 39K19 + 190.178 MeV [29.282 MeV] (A_In:257)
113In49 + 12 D* --> 100Ru44 + 37Cl17 + 189.240 MeV [28.344 MeV] (A_In:258)
113In49 + 12 D* --> 102Ru44 + 35Cl17 + 186.371 MeV [25.475 MeV] (A_In:259)
113In49 + 12 D* --> 103Rh45 + 34S16 + 186.213 MeV [25.317 MeV] (A_In:260)

113In49 + 12 D* --> 106Pd46 + 31P15 + 182.602 MeV [21.707 MeV] (A_In:261)
113In49 + 12 D* --> 107Ag47 + 30Si14 + 181.094 MeV [20.198 MeV] (A_In:262)
113In49 + 12 D* --> 109Ag47 + 28Si14 + 178.475 MeV [17.579 MeV] (A_In:263)
113In49 + 12 D* --> 110Cd48 + 27Al13 + 175.809 MeV [14.913 MeV] (A_In:264)
113In49 + 12 D* --> 113In49 + 24Mg12 + 171.562 MeV [10.666 MeV] (A_In:265)
113In49 + 12 D* --> 114Sn50 + 23Na11 + 168.350 MeV [7.454 MeV] (A_In:266)

115In49 + D* --> 96Zr40 + 21Ne10 + 14.774 MeV [3.232 MeV] (A_In:267)
115In49 + D* --> 100Mo42 + 17O8 + 10.592 MeV [-0.949 MeV] (A_In:268)
115In49 + D* --> 104Ru44 + 13C6 + 8.563 MeV [-2.978 MeV] (A_In:269)
115In49 + D* --> 108Pd46 + 9Be4 + 1.776 MeV [-9.765 MeV] (A_In:270)
115In49 + D* --> 113Cd48 + 4He2 + 10.223 MeV [-1.318 MeV] (A_In:271)
115In49 + D* --> 117Sn50 + 13.999 MeV [2.458 MeV] (A_In:272)

115In49 + 2 D* --> 71Ga31 + 48Ca20 + 51.089 MeV [27.668 MeV] (A_In:273)
115In49 + 2 D* --> 82Se34 + 37Cl17 + 46.090 MeV [22.669 MeV] (A_In:274)
115In49 + 2 D* --> 96Zr40 + 23Na11 + 31.707 MeV [8.287 MeV] (A_In:275)
115In49 + 2 D* --> 100Mo42 + 19F9 + 24.407 MeV [00.986 MeV] (A_In:276)
115In49 + 2 D* --> 104Ru44 + 15N7 + 24.722 MeV [1.301 MeV] (A_In:277)
115In49 + 2 D* --> 108Pd46 + 11B5 + 17.591 MeV [-5.830 MeV] (A_In:278)
115In49 + 2 D* --> 112Cd48 + 7Li3 + 12.407 MeV [-11.014 MeV] (A_In:279)
115In49 + 2 D* --> 113Cd48 + 6Li3 + 11.697 MeV [-11.724 MeV] (A_In:280)
115In49 + 2 D* --> 115In49 + 4He2 + 23.847 MeV [00.426 MeV] (A_In:281)
115In49 + 2 D* --> 117Sn50 + 2H1 + 13.999 MeV [-9.422 MeV] (A_In:282)
115In49 + 2 D* --> 118Sn50 + 1H1 + 21.102 MeV [-2.319 MeV] (A_In:283)

115In49 + 3 D* --> 73Ge32 + 48Ca20 + 65.382 MeV [29.747 MeV] (A_In:284)
115In49 + 3 D* --> 96Zr40 + 25Mg12 + 48.506 MeV [12.871 MeV] (A_In:285)
115In49 + 3 D* --> 100Mo42 + 21Ne10 + 41.787 MeV [6.151 MeV] (A_In:286)
115In49 + 3 D* --> 104Ru44 + 17O8 + 38.768 MeV [3.133 MeV] (A_In:287)
115In49 + 3 D* --> 108Pd46 + 13C6 + 36.270 MeV [00.634 MeV] (A_In:288)
115In49 + 3 D* --> 112Cd48 + 9Be4 + 29.103 MeV [-6.532 MeV] (A_In:289)
115In49 + 3 D* --> 115In49 + 6Li3 + 25.320 MeV [-10.315 MeV] (A_In:290)
115In49 + 3 D* --> 117Sn50 + 4He2 + 37.846 MeV [2.210 MeV] (A_In:291)
115In49 + 3 D* --> 118Sn50 + 3He2 + 26.595 MeV [-9.040 MeV] (A_In:292)

115In49 + 4 D* --> 75As33 + 48Ca20 + 80.253 MeV [32.071 MeV] (A_In:293)
115In49 + 4 D* --> 82Se34 + 41K19 + 76.159 MeV [27.978 MeV] (A_In:294)
115In49 + 4 D* --> 86Kr36 + 37Cl17 + 78.033 MeV [29.852 MeV] (A_In:295)
115In49 + 4 D* --> 87Rb37 + 36S16 + 78.268 MeV [30.087 MeV] (A_In:296)
115In49 + 4 D* --> 96Zr40 + 27Al13 + 65.646 MeV [17.464 MeV] (A_In:297)
115In49 + 4 D* --> 100Mo42 + 23Na11 + 58.720 MeV [10.539 MeV] (A_In:298)
115In49 + 4 D* --> 104Ru44 + 19F9 + 52.583 MeV [4.401 MeV] (A_In:299)
115In49 + 4 D* --> 108Pd46 + 15N7 + 52.429 MeV [4.248 MeV] (A_In:300)
115In49 + 4 D* --> 112Cd48 + 11B5 + 44.919 MeV [-3.263 MeV] (A_In:301)
115In49 + 4 D* --> 113Cd48 + 10B5 + 40.005 MeV [-8.177 MeV] (A_In:302)
115In49 + 4 D* --> 116Sn50 + 7Li3 + 39.626 MeV [-8.555 MeV] (A_In:303)
115In49 + 4 D* --> 117Sn50 + 6Li3 + 39.319 MeV [-8.862 MeV] (A_In:304)
115In49 + 4 D* --> 122Te52 + 1H1 + 46.031 MeV [-2.150 MeV] (A_In:305)

115In49 + 5 D* --> 76Ge32 + 49Ti22 + 97.914 MeV [36.858 MeV] (A_In:306)
115In49 + 5 D* --> 77Se34 + 48Ca20 + 94.956 MeV [33.900 MeV] (A_In:307)
115In49 + 5 D* --> 82Se34 + 43Ca20 + 92.145 MeV [31.089 MeV] (A_In:308)
115In49 + 5 D* --> 96Zr40 + 29Si14 + 83.480 MeV [22.424 MeV] (A_In:309)

115In49 + 5 D* --> 100Mo42 + 25Mg12 + 75.519 MeV [14.463 MeV] (A_In:310)
115In49 + 5 D* --> 104Ru44 + 21Ne10 + 69.963 MeV [8.907 MeV] (A_In:311)
115In49 + 5 D* --> 108Pd46 + 17O8 + 66.475 MeV [5.419 MeV] (A_In:312)
115In49 + 5 D* --> 112Cd48 + 13C6 + 63.597 MeV [2.541 MeV] (A_In:313)
115In49 + 5 D* --> 113Cd48 + 12C6 + 65.191 MeV [4.135 MeV] (A_In:314)
115In49 + 5 D* --> 115In49 + 10B5 + 53.628 MeV [-7.428 MeV] (A_In:315)
115In49 + 5 D* --> 116Sn50 + 9Be4 + 56.322 MeV [-4.734 MeV] (A_In:316)
115In49 + 5 D* --> 122Te52 + 3He2 + 51.525 MeV [-9.531 MeV] (A_In:317)

115In49 + 6 D* --> 76Ge32 + 51V23 + 114.692 MeV [40.436 MeV] (A_In:318)
115In49 + 6 D* --> 82Se34 + 45Sc21 + 107.940 MeV [33.684 MeV] (A_In:319)
115In49 + 6 D* --> 79Br35 + 48Ca20 + 109.560 MeV [35.305 MeV] (A_In:320)
115In49 + 6 D* --> 81Br35 + 46Ca20 + 110.388 MeV [36.132 MeV] (A_In:321)
115In49 + 6 D* --> 86Kr36 + 41K19 + 108.102 MeV [33.847 MeV] (A_In:322)
115In49 + 6 D* --> 87Rb37 + 40Ar18 + 108.915 MeV [34.660 MeV] (A_In:323)
115In49 + 6 D* --> 96Zr40 + 31P15 + 99.161 MeV [24.906 MeV] (A_In:324)
115In49 + 6 D* --> 100Mo42 + 27Al13 + 92.659 MeV [18.403 MeV] (A_In:325)
115In49 + 6 D* --> 104Ru44 + 23Na11 + 86.896 MeV [12.641 MeV] (A_In:326)
115In49 + 6 D* --> 108Pd46 + 19F9 + 80.289 MeV [6.034 MeV] (A_In:327)
115In49 + 6 D* --> 109Ag47 + 18O8 + 78.782 MeV [4.526 MeV] (A_In:328)
115In49 + 6 D* --> 112Cd48 + 15N7 + 79.757 MeV [5.501 MeV] (A_In:329)
115In49 + 6 D* --> 113Cd48 + 14N7 + 75.464 MeV [1.208 MeV] (A_In:330)
115In49 + 6 D* --> 115In49 + 12C6 + 78.814 MeV [4.559 MeV] (A_In:331)
115In49 + 6 D* --> 116Sn50 + 11B5 + 72.138 MeV [-2.118 MeV] (A_In:332)
115In49 + 6 D* --> 117Sn50 + 10B5 + 67.627 MeV [-6.629 MeV] (A_In:333)
115In49 + 6 D* --> 120Te52 + 7Li3 + 63.774 MeV [-10.482 MeV] (A_In:334)
115In49 + 6 D* --> 126Xe54 + 1H1 + 71.157 MeV [-3.098 MeV] (A_In:335)

115In49 + 7 D* --> 76Ge32 + 53Cr24 + 130.911 MeV [43.134 MeV] (A_In:336)
115In49 + 7 D* --> 80Se34 + 49Ti22 + 128.732 MeV [40.955 MeV] (A_In:337)
115In49 + 7 D* --> 82Se34 + 47Ti22 + 124.940 MeV [37.162 MeV] (A_In:338)
115In49 + 7 D* --> 83Kr36 + 46Ca20 + 125.530 MeV [37.753 MeV] (A_In:339)
115In49 + 7 D* --> 86Kr36 + 43Ca20 + 124.088 MeV [36.310 MeV] (A_In:340)
115In49 + 7 D* --> 96Zr40 + 33S16 + 114.442 MeV [26.665 MeV] (A_In:341)
115In49 + 7 D* --> 100Mo42 + 29Si14 + 110.493 MeV [22.715 MeV] (A_In:342)
115In49 + 7 D* --> 104Ru44 + 25Mg12 + 103.695 MeV [15.918 MeV] (A_In:343)
115In49 + 7 D* --> 108Pd46 + 21Ne10 + 97.670 MeV [9.892 MeV] (A_In:344)
115In49 + 7 D* --> 111Cd48 + 18O8 + 92.452 MeV [4.675 MeV] (A_In:345)
115In49 + 7 D* --> 112Cd48 + 17O8 + 93.803 MeV [6.025 MeV] (A_In:346)
115In49 + 7 D* --> 113Cd48 + 16O8 + 96.200 MeV [8.422 MeV] (A_In:347)
115In49 + 7 D* --> 115In49 + 14N7 + 89.087 MeV [1.309 MeV] (A_In:348)
115In49 + 7 D* --> 116Sn50 + 13C6 + 90.817 MeV [3.039 MeV] (A_In:349)
115In49 + 7 D* --> 117Sn50 + 12C6 + 92.813 MeV [5.036 MeV] (A_In:350)
115In49 + 7 D* --> 120Te52 + 9Be4 + 80.470 MeV [-7.307 MeV] (A_In:351)
115In49 + 7 D* --> 126Xe54 + 3He2 + 76.651 MeV [-11.127 MeV] (A_In:352)

115In49 + 8 D* --> 76Ge32 + 55Mn25 + 146.473 MeV [44.854 MeV] (A_In:353)
115In49 + 8 D* --> 80Se34 + 51V23 + 145.510 MeV [43.892 MeV] (A_In:354)
115In49 + 8 D* --> 81Br35 + 50Ti22 + 144.951 MeV [43.332 MeV] (A_In:355)
115In49 + 8 D* --> 86Kr36 + 45Sc21 + 139.883 MeV [38.264 MeV] (A_In:356)
115In49 + 8 D* --> 85Rb37 + 46Ca20 + 140.852 MeV [39.233 MeV] (A_In:357)
115In49 + 8 D* --> 87Rb37 + 44Ca20 + 141.615 MeV [39.997 MeV] (A_In:358)
115In49 + 8 D* --> 94Zr40 + 37Cl17 + 134.578 MeV [32.959 MeV] (A_In:359)
115In49 + 8 D* --> 96Zr40 + 35Cl17 + 130.005 MeV [28.387 MeV] (A_In:360)

115In49 + 8 D* --> 100Mo42 + 31P15 + 126.174 MeV [24.556 MeV] (A_In:361)
115In49 + 8 D* --> 104Ru44 + 27Al13 + 120.835 MeV [19.216 MeV] (A_In:362)
115In49 + 8 D* --> 108Pd46 + 23Na11 + 114.603 MeV [12.985 MeV] (A_In:363)
115In49 + 8 D* --> 109Ag47 + 22Ne10 + 112.297 MeV [10.678 MeV] (A_In:364)
115In49 + 8 D* --> 112Cd48 + 19F9 + 107.617 MeV [5.998 MeV] (A_In:365)
115In49 + 8 D* --> 113In49 + 18O8 + 105.700 MeV [4.082 MeV] (A_In:366)
115In49 + 8 D* --> 115In49 + 16O8 + 109.823 MeV [8.204 MeV] (A_In:367)
115In49 + 8 D* --> 116Sn50 + 15N7 + 106.976 MeV [5.357 MeV] (A_In:368)
115In49 + 8 D* --> 117Sn50 + 14N7 + 103.086 MeV [1.467 MeV] (A_In:369)
115In49 + 8 D* --> 120Te52 + 11B5 + 96.286 MeV [-5.333 MeV] (A_In:370)
115In49 + 8 D* --> 124Xe54 + 7Li3 + 88.301 MeV [-13.318 MeV] (A_In:371)
115In49 + 8 D* --> 130Ba56 + 1H1 + 95.522 MeV [-6.097 MeV] (A_In:372)

115In49 + 9 D* --> 76Ge32 + 57Fe26 + 162.078 MeV [46.302 MeV] (A_In:373)
115In49 + 9 D* --> 80Se34 + 53Cr24 + 161.730 MeV [45.953 MeV] (A_In:374)
115In49 + 9 D* --> 83Kr36 + 50Ti22 + 160.093 MeV [44.317 MeV] (A_In:375)
115In49 + 9 D* --> 84Kr36 + 49Ti22 + 159.675 MeV [43.898 MeV] (A_In:376)
115In49 + 9 D* --> 86Kr36 + 47Ti22 + 156.883 MeV [41.107 MeV] (A_In:377)
115In49 + 9 D* --> 87Sr38 + 46Ca20 + 156.700 MeV [40.924 MeV] (A_In:378)
115In49 + 9 D* --> 97Mo42 + 36S16 + 146.889 MeV [31.113 MeV] (A_In:379)
115In49 + 9 D* --> 100Mo42 + 33S16 + 141.455 MeV [25.679 MeV] (A_In:380)
115In49 + 9 D* --> 104Ru44 + 29Si14 + 138.669 MeV [22.893 MeV] (A_In:381)
115In49 + 9 D* --> 108Pd46 + 25Mg12 + 131.402 MeV [15.626 MeV] (A_In:382)
115In49 + 9 D* --> 111Cd48 + 22Ne10 + 125.967 MeV [10.191 MeV] (A_In:383)
115In49 + 9 D* --> 112Cd48 + 21Ne10 + 124.997 MeV [9.221 MeV] (A_In:384)
115In49 + 9 D* --> 113Cd48 + 20Ne10 + 124.776 MeV [9.000 MeV] (A_In:385)
115In49 + 9 D* --> 115Sn50 + 18O8 + 119.502 MeV [3.726 MeV] (A_In:386)
115In49 + 9 D* --> 116Sn50 + 17O8 + 121.022 MeV [5.246 MeV] (A_In:387)
115In49 + 9 D* --> 117Sn50 + 16O8 + 123.822 MeV [8.046 MeV] (A_In:388)
115In49 + 9 D* --> 120Te52 + 13C6 + 114.964 MeV [-0.812 MeV] (A_In:389)
115In49 + 9 D* --> 124Xe54 + 9Be4 + 104.997 MeV [-10.779 MeV] (A_In:390)
115In49 + 9 D* --> 130Ba56 + 3He2 + 101.015 MeV [-14.761 MeV] (A_In:391)

115In49 + 10 D* --> 70Zn30 + 65Cu29 + 178.649 MeV [48.401 MeV] (A_In:392)
115In49 + 10 D* --> 71Ga31 + 64Ni28 + 179.060 MeV [48.813 MeV] (A_In:393)
115In49 + 10 D* --> 76Ge32 + 59Co27 + 177.262 MeV [47.015 MeV] (A_In:394)
115In49 + 10 D* --> 80Se34 + 55Mn25 + 177.291 MeV [47.044 MeV] (A_In:395)
115In49 + 10 D* --> 81Br35 + 54Cr24 + 176.728 MeV [46.481 MeV] (A_In:396)
115In49 + 10 D* --> 84Kr36 + 51V23 + 176.453 MeV [46.206 MeV] (A_In:397)
115In49 + 10 D* --> 85Rb37 + 50Ti22 + 175.415 MeV [45.167 MeV] (A_In:398)
115In49 + 10 D* --> 87Rb37 + 48Ti22 + 174.906 MeV [44.659 MeV] (A_In:399)
115In49 + 10 D* --> 89Y39 + 46Ca20 + 172.657 MeV [42.410 MeV] (A_In:400)
115In49 + 10 D* --> 94Zr40 + 41K19 + 164.647 MeV [34.399 MeV] (A_In:401)
115In49 + 10 D* --> 96Zr40 + 39K19 + 161.070 MeV [30.823 MeV] (A_In:402)
115In49 + 10 D* --> 98Mo42 + 37Cl17 + 161.694 MeV [31.446 MeV] (A_In:403)
115In49 + 10 D* --> 100Mo42 + 35Cl17 + 157.018 MeV [26.771 MeV] (A_In:404)
115In49 + 10 D* --> 104Ru44 + 31P15 + 154.350 MeV [24.103 MeV] (A_In:405)
115In49 + 10 D* --> 108Pd46 + 27Al13 + 148.542 MeV [18.294 MeV] (A_In:406)
115In49 + 10 D* --> 109Ag47 + 26Mg12 + 146.758 MeV [16.510 MeV] (A_In:407)
115In49 + 10 D* --> 112Cd48 + 23Na11 + 141.931 MeV [11.684 MeV] (A_In:408)
115In49 + 10 D* --> 113In49 + 22Ne10 + 139.215 MeV [8.967 MeV] (A_In:409)
115In49 + 10 D* --> 115In49 + 20Ne10 + 138.399 MeV [8.152 MeV] (A_In:410)
115In49 + 10 D* --> 116Sn50 + 19F9 + 134.836 MeV [4.589 MeV] (A_In:411)
115In49 + 10 D* --> 120Te52 + 15N7 + 131.124 MeV [00.876 MeV] (A_In:412)

115In49 + 10 D* --> 124Xe54 + 11B5 + 120.813 MeV [-9.435 MeV] (A_In:413)

115In49 + 11 D* --> 70Zn30 + 67Zn30 + 192.401 MeV [47.372 MeV] (A_In:414)
115In49 + 11 D* --> 73Ge32 + 64Ni28 + 193.353 MeV [48.323 MeV] (A_In:415)
115In49 + 11 D* --> 76Ge32 + 61Ni28 + 192.390 MeV [47.361 MeV] (A_In:416)
115In49 + 11 D* --> 80Se34 + 57Fe26 + 192.896 MeV [47.867 MeV] (A_In:417)
115In49 + 11 D* --> 83Kr36 + 54Cr24 + 191.871 MeV [46.841 MeV] (A_In:418)
115In49 + 11 D* --> 84Kr36 + 53Cr24 + 192.672 MeV [47.642 MeV] (A_In:419)
115In49 + 11 D* --> 87Rb37 + 50V23 + 188.776 MeV [43.746 MeV] (A_In:420)
115In49 + 11 D* --> 87Sr38 + 50Ti22 + 191.263 MeV [46.234 MeV] (A_In:421)
115In49 + 11 D* --> 88Sr38 + 49Ti22 + 191.437 MeV [46.407 MeV] (A_In:422)
115In49 + 11 D* --> 91Zr40 + 46Ca20 + 185.982 MeV [40.952 MeV] (A_In:423)
115In49 + 11 D* --> 94Zr40 + 43Ca20 + 180.632 MeV [35.602 MeV] (A_In:424)
115In49 + 11 D* --> 97Mo42 + 40Ar18 + 177.537 MeV [32.507 MeV] (A_In:425)
115In49 + 11 D* --> 101Ru44 + 36S16 + 173.570 MeV [28.540 MeV] (A_In:426)
115In49 + 11 D* --> 104Ru44 + 33S16 + 169.631 MeV [24.601 MeV] (A_In:427)
115In49 + 11 D* --> 108Pd46 + 29Si14 + 166.376 MeV [21.346 MeV] (A_In:428)
115In49 + 11 D* --> 111Cd48 + 26Mg12 + 160.428 MeV [15.399 MeV] (A_In:429)
115In49 + 11 D* --> 112Cd48 + 25Mg12 + 158.730 MeV [13.700 MeV] (A_In:430)
115In49 + 11 D* --> 113Cd48 + 24Mg12 + 157.939 MeV [12.909 MeV] (A_In:431)
115In49 + 11 D* --> 115Sn50 + 22Ne10 + 153.017 MeV [7.987 MeV] (A_In:432)
115In49 + 11 D* --> 116Sn50 + 21Ne10 + 152.216 MeV [7.186 MeV] (A_In:433)
115In49 + 11 D* --> 117Sn50 + 20Ne10 + 152.398 MeV [7.368 MeV] (A_In:434)
115In49 + 11 D* --> 120Te52 + 17O8 + 145.170 MeV [00.140 MeV] (A_In:435)
115In49 + 11 D* --> 124Xe54 + 13C6 + 139.491 MeV [-5.538 MeV] (A_In:436)

115In49 + 12 D* --> 70Zn30 + 69Ga31 + 206.984 MeV [46.864 MeV] (A_In:437)
115In49 + 12 D* --> 71Ga31 + 68Zn30 + 208.240 MeV [48.119 MeV] (A_In:438)
115In49 + 12 D* --> 74Ge32 + 65Cu29 + 208.778 MeV [48.658 MeV] (A_In:439)
115In49 + 12 D* --> 76Ge32 + 63Cu29 + 206.885 MeV [46.764 MeV] (A_In:440)
115In49 + 12 D* --> 75As33 + 64Ni28 + 208.224 MeV [48.103 MeV] (A_In:441)
115In49 + 12 D* --> 80Se34 + 59Co27 + 208.080 MeV [47.960 MeV] (A_In:442)
115In49 + 12 D* --> 81Br35 + 58Fe26 + 208.220 MeV [48.100 MeV] (A_In:443)
115In49 + 12 D* --> 84Kr36 + 55Mn25 + 208.234 MeV [48.113 MeV] (A_In:444)
115In49 + 12 D* --> 85Rb37 + 54Cr24 + 207.192 MeV [47.072 MeV] (A_In:445)
115In49 + 12 D* --> 87Rb37 + 52Cr24 + 208.107 MeV [47.986 MeV] (A_In:446)
115In49 + 12 D* --> 88Sr38 + 51V23 + 208.215 MeV [48.095 MeV] (A_In:447)
115In49 + 12 D* --> 89Y39 + 50Ti22 + 207.220 MeV [47.100 MeV] (A_In:448)
115In49 + 12 D* --> 94Zr40 + 45Sc21 + 196.427 MeV [36.306 MeV] (A_In:449)
115In49 + 12 D* --> 93Nb41 + 46Ca20 + 198.435 MeV [38.315 MeV] (A_In:450)
115In49 + 12 D* --> 98Mo42 + 41K19 + 191.763 MeV [31.642 MeV] (A_In:451)
115In49 + 12 D* --> 100Mo42 + 39K19 + 188.083 MeV [27.963 MeV] (A_In:452)
115In49 + 12 D* --> 102Ru44 + 37Cl17 + 188.952 MeV [28.831 MeV] (A_In:453)
115In49 + 12 D* --> 104Ru44 + 35Cl17 + 185.194 MeV [25.074 MeV] (A_In:454)
115In49 + 12 D* --> 103Rh45 + 36S16 + 186.778 MeV [26.658 MeV] (A_In:455)
115In49 + 12 D* --> 108Pd46 + 31P15 + 182.057 MeV [21.937 MeV] (A_In:456)
115In49 + 12 D* --> 109Ag47 + 30Si14 + 181.248 MeV [21.127 MeV] (A_In:457)
115In49 + 12 D* --> 112Cd48 + 27Al13 + 175.869 MeV [15.749 MeV] (A_In:458)
115In49 + 12 D* --> 113In49 + 26Mg12 + 173.676 MeV [13.556 MeV] (A_In:459)
115In49 + 12 D* --> 115In49 + 24Mg12 + 171.562 MeV [11.442 MeV] (A_In:460)
115In49 + 12 D* --> 116Sn50 + 23Na11 + 169.150 MeV [9.030 MeV] (A_In:461)
115In49 + 12 D* --> 120Te52 + 19F9 + 158.984 MeV [-1.136 MeV] (A_In:462)
115In49 + 12 D* --> 124Xe54 + 15N7 + 155.651 MeV [-4.470 MeV] (A_In:463)

Report A - Energetically Feasible Aneutronic X + n D* --> Y + Z Reactions, n = 1 to 12
Creating Stable Isotopes Y and Z With No Weak Reactions

---------- Equations follow for Tin, Sn, element 50 ----------

112Sn50 + D* --> 64Ni28 + 50V23 + 40.795 MeV [28.916 MeV] (A_Sn:1)
112Sn50 + D* --> 65Cu29 + 49Ti22 + 40.297 MeV [28.418 MeV] (A_Sn:2)
112Sn50 + D* --> 71Ga31 + 43Ca20 + 33.023 MeV [21.144 MeV] (A_Sn:3)
112Sn50 + D* --> 73Ge32 + 41K19 + 31.331 MeV [19.452 MeV] (A_Sn:4)
112Sn50 + D* --> 74Ge32 + 40K19 + 31.432 MeV [19.553 MeV] (A_Sn:5)
112Sn50 + D* --> 77Se34 + 37Cl17 + 30.836 MeV [18.956 MeV] (A_Sn:6)
112Sn50 + D* --> 81Br35 + 33S16 + 29.035 MeV [17.156 MeV] (A_Sn:7)
112Sn50 + D* --> 83Kr36 + 31P15 + 28.897 MeV [17.018 MeV] (A_Sn:8)
112Sn50 + D* --> 85Rb37 + 29Si14 + 28.537 MeV [16.658 MeV] (A_Sn:9)
112Sn50 + D* --> 87Sr38 + 27Al13 + 26.552 MeV [14.672 MeV] (A_Sn:10)
112Sn50 + D* --> 89Y39 + 25Mg12 + 25.369 MeV [13.490 MeV] (A_Sn:11)
112Sn50 + D* --> 91Zr40 + 23Na11 + 21.895 MeV [10.015 MeV] (A_Sn:12)
112Sn50 + D* --> 93Nb41 + 21Ne10 + 17.415 MeV [5.535 MeV] (A_Sn:13)
112Sn50 + D* --> 95Mo42 + 19F9 + 13.669 MeV [1.790 MeV] (A_Sn:14)
112Sn50 + D* --> 99Ru44 + 15N7 + 11.990 MeV [00.111 MeV] (A_Sn:15)
112Sn50 + D* --> 100Ru44 + 14N7 + 10.830 MeV [-1.049 MeV] (A_Sn:16)
112Sn50 + D* --> 104Pd46 + 10B5 + 1.814 MeV [-10.065 MeV] (A_Sn:17)

112Sn50 + 2 D* --> 58Fe26 + 58Fe26 + 61.917 MeV [37.824 MeV] (A_Sn:18)
112Sn50 + 2 D* --> 62Ni28 + 54Cr24 + 61.289 MeV [37.195 MeV] (A_Sn:19)
112Sn50 + 2 D* --> 64Ni28 + 52Cr24 + 60.126 MeV [36.033 MeV] (A_Sn:20)
112Sn50 + 2 D* --> 65Cu29 + 51V23 + 57.075 MeV [32.982 MeV] (A_Sn:21)
112Sn50 + 2 D* --> 66Zn30 + 50Ti22 + 57.936 MeV [33.843 MeV] (A_Sn:22)
112Sn50 + 2 D* --> 67Zn30 + 49Ti22 + 54.049 MeV [29.956 MeV] (A_Sn:23)
112Sn50 + 2 D* --> 68Zn30 + 48Ti22 + 56.105 MeV [32.012 MeV] (A_Sn:24)
112Sn50 + 2 D* --> 70Zn30 + 46Ti22 + 51.298 MeV [27.205 MeV] (A_Sn:25)
112Sn50 + 2 D* --> 71Ga31 + 45Sc21 + 48.818 MeV [24.725 MeV] (A_Sn:26)
112Sn50 + 2 D* --> 70Ge32 + 46Ca20 + 51.308 MeV [27.215 MeV] (A_Sn:27)
112Sn50 + 2 D* --> 72Ge32 + 44Ca20 + 51.665 MeV [27.571 MeV] (A_Sn:28)
112Sn50 + 2 D* --> 73Ge32 + 43Ca20 + 47.316 MeV [23.223 MeV] (A_Sn:29)
112Sn50 + 2 D* --> 74Ge32 + 42Ca20 + 49.580 MeV [25.486 MeV] (A_Sn:30)
112Sn50 + 2 D* --> 76Ge32 + 40Ca20 + 45.669 MeV [21.576 MeV] (A_Sn:31)
112Sn50 + 2 D* --> 75As33 + 41K19 + 46.202 MeV [22.108 MeV] (A_Sn:32)
112Sn50 + 2 D* --> 76Se34 + 40Ar18 + 47.902 MeV [23.809 MeV] (A_Sn:33)
112Sn50 + 2 D* --> 78Se34 + 38Ar18 + 49.351 MeV [25.257 MeV] (A_Sn:34)
112Sn50 + 2 D* --> 80Se34 + 36Ar18 + 45.602 MeV [21.508 MeV] (A_Sn:35)
112Sn50 + 2 D* --> 79Br35 + 37Cl17 + 45.440 MeV [21.347 MeV] (A_Sn:36)
112Sn50 + 2 D* --> 81Br35 + 35Cl17 + 44.599 MeV [20.505 MeV] (A_Sn:37)
112Sn50 + 2 D* --> 80Kr36 + 36S16 + 46.167 MeV [22.073 MeV] (A_Sn:38)
112Sn50 + 2 D* --> 82Kr36 + 34S16 + 48.131 MeV [24.038 MeV] (A_Sn:39)
112Sn50 + 2 D* --> 83Kr36 + 33S16 + 44.178 MeV [20.084 MeV] (A_Sn:40)
112Sn50 + 2 D* --> 84Kr36 + 32S16 + 46.057 MeV [21.963 MeV] (A_Sn:41)
112Sn50 + 2 D* --> 85Rb37 + 31P15 + 44.218 MeV [20.125 MeV] (A_Sn:42)
112Sn50 + 2 D* --> 86Sr38 + 30Si14 + 46.567 MeV [22.473 MeV] (A_Sn:43)
112Sn50 + 2 D* --> 87Sr38 + 29Si14 + 44.386 MeV [20.292 MeV] (A_Sn:44)
112Sn50 + 2 D* --> 88Sr38 + 28Si14 + 47.025 MeV [22.931 MeV] (A_Sn:45)
112Sn50 + 2 D* --> 89Y39 + 27Al13 + 42.509 MeV [18.415 MeV] (A_Sn:46)
112Sn50 + 2 D* --> 90Zr40 + 26Mg12 + 42.592 MeV [18.499 MeV] (A_Sn:47)
112Sn50 + 2 D* --> 91Zr40 + 25Mg12 + 38.693 MeV [14.600 MeV] (A_Sn:48)
112Sn50 + 2 D* --> 92Zr40 + 24Mg12 + 39.998 MeV [15.904 MeV] (A_Sn:49)
112Sn50 + 2 D* --> 93Nb41 + 23Na11 + 34.348 MeV [10.255 MeV] (A_Sn:50)
112Sn50 + 2 D* --> 94Mo42 + 22Ne10 + 34.045 MeV [9.951 MeV] (A_Sn:51)

112Sn50 + 2 D* --> 95Mo42 + 21Ne10 + 31.049 MeV [6.956 MeV] (A_Sn:52)
112Sn50 + 2 D* --> 96Mo42 + 20Ne10 + 33.443 MeV [9.349 MeV] (A_Sn:53)
112Sn50 + 2 D* --> 98Ru44 + 18O8 + 26.616 MeV [2.523 MeV] (A_Sn:54)
112Sn50 + 2 D* --> 99Ru44 + 17O8 + 26.036 MeV [1.942 MeV] (A_Sn:55)
112Sn50 + 2 D* --> 100Ru44 + 16O8 + 31.566 MeV [7.473 MeV] (A_Sn:56)
112Sn50 + 2 D* --> 104Pd46 + 12C6 + 27.000 MeV [2.907 MeV] (A_Sn:57)
112Sn50 + 2 D* --> 112Sn50 + 4He2 + 23.847 MeV [-0.247 MeV] (A_Sn:58)

112Sn50 + 3 D* --> 65Cu29 + 53Cr24 + 73.294 MeV [36.655 MeV] (A_Sn:59)
112Sn50 + 3 D* --> 67Zn30 + 51V23 + 70.828 MeV [34.188 MeV] (A_Sn:60)
112Sn50 + 3 D* --> 68Zn30 + 50V23 + 69.975 MeV [33.335 MeV] (A_Sn:61)
112Sn50 + 3 D* --> 69Ga31 + 49Ti22 + 68.632 MeV [31.993 MeV] (A_Sn:62)
112Sn50 + 3 D* --> 71Ga31 + 47Ti22 + 65.819 MeV [29.179 MeV] (A_Sn:63)
112Sn50 + 3 D* --> 73Ge32 + 45Sc21 + 63.111 MeV [26.472 MeV] (A_Sn:64)
112Sn50 + 3 D* --> 75As33 + 43Ca20 + 62.187 MeV [25.547 MeV] (A_Sn:65)
112Sn50 + 3 D* --> 77Se34 + 41K19 + 60.905 MeV [24.265 MeV] (A_Sn:66)
112Sn50 + 3 D* --> 78Se34 + 40K19 + 61.307 MeV [24.668 MeV] (A_Sn:67)
112Sn50 + 3 D* --> 83Kr36 + 35Cl17 + 59.741 MeV [23.102 MeV] (A_Sn:68)
112Sn50 + 3 D* --> 85Rb37 + 33S16 + 59.499 MeV [22.860 MeV] (A_Sn:69)
112Sn50 + 3 D* --> 87Sr38 + 31P15 + 60.067 MeV [23.428 MeV] (A_Sn:70)
112Sn50 + 3 D* --> 89Y39 + 29Si14 + 60.343 MeV [23.703 MeV] (A_Sn:71)
112Sn50 + 3 D* --> 91Zr40 + 27Al13 + 55.833 MeV [19.193 MeV] (A_Sn:72)
112Sn50 + 3 D* --> 93Nb41 + 25Mg12 + 51.147 MeV [14.507 MeV] (A_Sn:73)
112Sn50 + 3 D* --> 95Mo42 + 23Na11 + 47.983 MeV [11.344 MeV] (A_Sn:74)
112Sn50 + 3 D* --> 99Ru44 + 19F9 + 39.850 MeV [3.211 MeV] (A_Sn:75)
112Sn50 + 3 D* --> 104Pd46 + 14N7 + 37.273 MeV [00.633 MeV] (A_Sn:76)
112Sn50 + 3 D* --> 108Cd48 + 10B5 + 27.947 MeV [-8.692 MeV] (A_Sn:77)
112Sn50 + 3 D* --> 112Sn50 + 6Li3 + 25.320 MeV [-11.319 MeV] (A_Sn:78)

112Sn50 + 4 D* --> 62Ni28 + 58Fe26 + 92.781 MeV [43.267 MeV] (A_Sn:79)
112Sn50 + 4 D* --> 64Ni28 + 56Fe26 + 91.586 MeV [42.072 MeV] (A_Sn:80)
112Sn50 + 4 D* --> 65Cu29 + 55Mn25 + 88.856 MeV [39.342 MeV] (A_Sn:81)
112Sn50 + 4 D* --> 66Zn30 + 54Cr24 + 89.714 MeV [40.200 MeV] (A_Sn:82)
112Sn50 + 4 D* --> 67Zn30 + 53Cr24 + 87.047 MeV [37.533 MeV] (A_Sn:83)
112Sn50 + 4 D* --> 68Zn30 + 52Cr24 + 89.306 MeV [39.792 MeV] (A_Sn:84)
112Sn50 + 4 D* --> 70Zn30 + 50Cr24 + 83.706 MeV [34.192 MeV] (A_Sn:85)
112Sn50 + 4 D* --> 69Ga31 + 51V23 + 85.411 MeV [35.897 MeV] (A_Sn:86)
112Sn50 + 4 D* --> 70Ge32 + 50Ti22 + 85.871 MeV [36.357 MeV] (A_Sn:87)
112Sn50 + 4 D* --> 72Ge32 + 48Ti22 + 84.955 MeV [35.441 MeV] (A_Sn:88)
112Sn50 + 4 D* --> 73Ge32 + 47Ti22 + 80.112 MeV [30.598 MeV] (A_Sn:89)
112Sn50 + 4 D* --> 74Ge32 + 46Ti22 + 81.427 MeV [31.913 MeV] (A_Sn:90)
112Sn50 + 4 D* --> 75As33 + 45Sc21 + 77.982 MeV [28.468 MeV] (A_Sn:91)
112Sn50 + 4 D* --> 74Se34 + 46Ca20 + 79.229 MeV [29.715 MeV] (A_Sn:92)
112Sn50 + 4 D* --> 76Se34 + 44Ca20 + 80.602 MeV [31.088 MeV] (A_Sn:93)
112Sn50 + 4 D* --> 77Se34 + 43Ca20 + 76.890 MeV [27.376 MeV] (A_Sn:94)
112Sn50 + 4 D* --> 78Se34 + 42Ca20 + 79.455 MeV [29.941 MeV] (A_Sn:95)
112Sn50 + 4 D* --> 80Se34 + 40Ca20 + 76.488 MeV [26.974 MeV] (A_Sn:96)
112Sn50 + 4 D* --> 79Br35 + 41K19 + 75.509 MeV [25.995 MeV] (A_Sn:97)
112Sn50 + 4 D* --> 81Br35 + 39K19 + 75.663 MeV [26.149 MeV] (A_Sn:98)
112Sn50 + 4 D* --> 80Kr36 + 40Ar18 + 76.814 MeV [27.300 MeV] (A_Sn:99)
112Sn50 + 4 D* --> 82Kr36 + 38Ar18 + 79.186 MeV [29.672 MeV] (A_Sn:100)
112Sn50 + 4 D* --> 84Kr36 + 36Ar18 + 76.544 MeV [27.030 MeV] (A_Sn:101)
112Sn50 + 4 D* --> 85Rb37 + 35Cl17 + 75.062 MeV [25.548 MeV] (A_Sn:102)
112Sn50 + 4 D* --> 84Sr38 + 36S16 + 75.190 MeV [25.676 MeV] (A_Sn:103)

112Sn50 + 4 D* --> 86Sr38 + 34S16 + 78.337 MeV [28.823 MeV] (A_Sn:104)
112Sn50 + 4 D* --> 87Sr38 + 33S16 + 75.348 MeV [25.834 MeV] (A_Sn:105)
112Sn50 + 4 D* --> 88Sr38 + 32S16 + 77.819 MeV [28.305 MeV] (A_Sn:106)
112Sn50 + 4 D* --> 89Y39 + 31P15 + 76.024 MeV [26.510 MeV] (A_Sn:107)
112Sn50 + 4 D* --> 90Zr40 + 30Si14 + 77.082 MeV [27.568 MeV] (A_Sn:108)
112Sn50 + 4 D* --> 91Zr40 + 29Si14 + 73.667 MeV [24.153 MeV] (A_Sn:109)
112Sn50 + 4 D* --> 92Zr40 + 28Si14 + 73.828 MeV [24.314 MeV] (A_Sn:110)
112Sn50 + 4 D* --> 93Nb41 + 27Al13 + 68.287 MeV [18.773 MeV] (A_Sn:111)
112Sn50 + 4 D* --> 94Mo42 + 26Mg12 + 68.506 MeV [18.992 MeV] (A_Sn:112)
112Sn50 + 4 D* --> 95Mo42 + 25Mg12 + 64.782 MeV [15.268 MeV] (A_Sn:113)
112Sn50 + 4 D* --> 96Mo42 + 24Mg12 + 66.606 MeV [17.092 MeV] (A_Sn:114)
112Sn50 + 4 D* --> 98Ru44 + 22Ne10 + 60.131 MeV [10.617 MeV] (A_Sn:115)
112Sn50 + 4 D* --> 99Ru44 + 21Ne10 + 57.230 MeV [7.716 MeV] (A_Sn:116)
112Sn50 + 4 D* --> 100Ru44 + 20Ne10 + 60.143 MeV [10.629 MeV] (A_Sn:117)
112Sn50 + 4 D* --> 102Pd46 + 18O8 + 52.588 MeV [3.074 MeV] (A_Sn:118)
112Sn50 + 4 D* --> 104Pd46 + 16O8 + 58.009 MeV [8.495 MeV] (A_Sn:119)
112Sn50 + 4 D* --> 108Cd48 + 12C6 + 53.134 MeV [3.620 MeV] (A_Sn:120)

112Sn50 + 5 D* --> 65Cu29 + 57Fe26 + 104.461 MeV [41.747 MeV] (A_Sn:121)
112Sn50 + 5 D* --> 67Zn30 + 55Mn25 + 102.608 MeV [39.895 MeV] (A_Sn:122)
112Sn50 + 5 D* --> 69Ga31 + 53Cr24 + 101.630 MeV [38.916 MeV] (A_Sn:123)
112Sn50 + 5 D* --> 72Ge32 + 50V23 + 98.825 MeV [36.111 MeV] (A_Sn:124)
112Sn50 + 5 D* --> 75As33 + 47Ti22 + 94.982 MeV [32.268 MeV] (A_Sn:125)
112Sn50 + 5 D* --> 77Se34 + 45Sc21 + 92.685 MeV [29.971 MeV] (A_Sn:126)
112Sn50 + 5 D* --> 79Br35 + 43Ca20 + 91.494 MeV [28.781 MeV] (A_Sn:127)
112Sn50 + 5 D* --> 82Kr36 + 40K19 + 91.142 MeV [28.428 MeV] (A_Sn:128)
112Sn50 + 5 D* --> 83Kr36 + 39K19 + 90.806 MeV [28.092 MeV] (A_Sn:129)
112Sn50 + 5 D* --> 87Sr38 + 35Cl17 + 90.911 MeV [28.198 MeV] (A_Sn:130)
112Sn50 + 5 D* --> 89Y39 + 33S16 + 91.305 MeV [28.591 MeV] (A_Sn:131)
112Sn50 + 5 D* --> 91Zr40 + 31P15 + 89.349 MeV [26.635 MeV] (A_Sn:132)
112Sn50 + 5 D* --> 93Nb41 + 29Si14 + 86.121 MeV [23.407 MeV] (A_Sn:133)
112Sn50 + 5 D* --> 95Mo42 + 27Al13 + 81.921 MeV [19.208 MeV] (A_Sn:134)
112Sn50 + 5 D* --> 99Ru44 + 23Na11 + 74.164 MeV [11.450 MeV] (A_Sn:135)
112Sn50 + 5 D* --> 108Cd48 + 14N7 + 63.406 MeV [00.692 MeV] (A_Sn:136)
112Sn50 + 5 D* --> 112Sn50 + 10B5 + 53.628 MeV [-9.086 MeV] (A_Sn:137)

112Sn50 + 6 D* --> 62Ni28 + 62Ni28 + 123.645 MeV [47.409 MeV] (A_Sn:138)
112Sn50 + 6 D* --> 64Ni28 + 60Ni28 + 121.724 MeV [45.489 MeV] (A_Sn:139)
112Sn50 + 6 D* --> 65Cu29 + 59Co27 + 119.645 MeV [43.409 MeV] (A_Sn:140)
112Sn50 + 6 D* --> 66Zn30 + 58Fe26 + 121.206 MeV [44.970 MeV] (A_Sn:141)
112Sn50 + 6 D* --> 67Zn30 + 57Fe26 + 118.214 MeV [41.978 MeV] (A_Sn:142)
112Sn50 + 6 D* --> 68Zn30 + 56Fe26 + 120.766 MeV [44.530 MeV] (A_Sn:143)
112Sn50 + 6 D* --> 70Zn30 + 54Fe26 + 115.970 MeV [39.734 MeV] (A_Sn:144)
112Sn50 + 6 D* --> 69Ga31 + 55Mn25 + 117.191 MeV [40.956 MeV] (A_Sn:145)
112Sn50 + 6 D* --> 70Ge32 + 54Cr24 + 117.649 MeV [41.413 MeV] (A_Sn:146)
112Sn50 + 6 D* --> 72Ge32 + 52Cr24 + 118.156 MeV [41.920 MeV] (A_Sn:147)
112Sn50 + 6 D* --> 74Ge32 + 50Cr24 + 113.835 MeV [37.599 MeV] (A_Sn:148)
112Sn50 + 6 D* --> 74Se34 + 50Ti22 + 113.792 MeV [37.557 MeV] (A_Sn:149)
112Sn50 + 6 D* --> 76Se34 + 48Ti22 + 113.893 MeV [37.657 MeV] (A_Sn:150)
112Sn50 + 6 D* --> 77Se34 + 47Ti22 + 109.685 MeV [33.449 MeV] (A_Sn:151)
112Sn50 + 6 D* --> 78Se34 + 46Ti22 + 111.303 MeV [35.067 MeV] (A_Sn:152)
112Sn50 + 6 D* --> 79Br35 + 45Sc21 + 107.289 MeV [31.054 MeV] (A_Sn:153)
112Sn50 + 6 D* --> 78Kr36 + 46Ca20 + 107.468 MeV [31.232 MeV] (A_Sn:154)
112Sn50 + 6 D* --> 80Kr36 + 44Ca20 + 109.514 MeV [33.278 MeV] (A_Sn:155)

112Sn50 + 6 D* --> 82Kr36 + 42Ca20 + 109.290 MeV [33.054 MeV] (A_Sn:156)
112Sn50 + 6 D* --> 84Kr36 + 40Ca20 + 107.430 MeV [31.194 MeV] (A_Sn:157)
112Sn50 + 6 D* --> 85Rb37 + 39K19 + 106.127 MeV [29.892 MeV] (A_Sn:158)
112Sn50 + 6 D* --> 84Sr38 + 40Ar18 + 105.837 MeV [29.601 MeV] (A_Sn:159)
112Sn50 + 6 D* --> 86Sr38 + 38Ar18 + 109.391 MeV [33.155 MeV] (A_Sn:160)
112Sn50 + 6 D* --> 88Sr38 + 36Ar18 + 108.306 MeV [32.071 MeV] (A_Sn:161)
112Sn50 + 6 D* --> 89Y39 + 35Cl17 + 106.868 MeV [30.633 MeV] (A_Sn:162)
112Sn50 + 6 D* --> 90Zr40 + 34S16 + 108.852 MeV [32.616 MeV] (A_Sn:163)
112Sn50 + 6 D* --> 91Zr40 + 33S16 + 104.629 MeV [28.394 MeV] (A_Sn:164)
112Sn50 + 6 D* --> 92Zr40 + 32S16 + 104.623 MeV [28.387 MeV] (A_Sn:165)
112Sn50 + 6 D* --> 93Nb41 + 31P15 + 101.802 MeV [25.566 MeV] (A_Sn:166)
112Sn50 + 6 D* --> 94Mo42 + 30Si14 + 102.996 MeV [26.760 MeV] (A_Sn:167)
112Sn50 + 6 D* --> 95Mo42 + 29Si14 + 99.756 MeV [23.520 MeV] (A_Sn:168)
112Sn50 + 6 D* --> 96Mo42 + 28Si14 + 100.436 MeV [24.201 MeV] (A_Sn:169)
112Sn50 + 6 D* --> 98Ru44 + 26Mg12 + 94.592 MeV [18.356 MeV] (A_Sn:170)
112Sn50 + 6 D* --> 99Ru44 + 25Mg12 + 90.963 MeV [14.727 MeV] (A_Sn:171)
112Sn50 + 6 D* --> 100Ru44 + 24Mg12 + 93.306 MeV [17.070 MeV] (A_Sn:172)
112Sn50 + 6 D* --> 102Pd46 + 22Ne10 + 86.103 MeV [9.867 MeV] (A_Sn:173)
112Sn50 + 6 D* --> 104Pd46 + 20Ne10 + 86.585 MeV [10.349 MeV] (A_Sn:174)
112Sn50 + 6 D* --> 106Cd48 + 18O8 + 78.067 MeV [1.831 MeV] (A_Sn:175)
112Sn50 + 6 D* --> 108Cd48 + 16O8 + 84.142 MeV [7.907 MeV] (A_Sn:176)
112Sn50 + 6 D* --> 112Sn50 + 12C6 + 78.814 MeV [2.578 MeV] (A_Sn:177)

112Sn50 + 7 D* --> 65Cu29 + 61Ni28 + 134.773 MeV [44.696 MeV] (A_Sn:178)
112Sn50 + 7 D* --> 67Zn30 + 59Co27 + 133.398 MeV [43.320 MeV] (A_Sn:179)
112Sn50 + 7 D* --> 69Ga31 + 57Fe26 + 132.797 MeV [42.719 MeV] (A_Sn:180)
112Sn50 + 7 D* --> 76Se34 + 50V23 + 127.762 MeV [37.685 MeV] (A_Sn:181)
112Sn50 + 7 D* --> 79Br35 + 47Ti22 + 124.290 MeV [34.212 MeV] (A_Sn:182)
112Sn50 + 7 D* --> 86Sr38 + 40K19 + 121.348 MeV [31.270 MeV] (A_Sn:183)
112Sn50 + 7 D* --> 87Sr38 + 39K19 + 121.976 MeV [31.899 MeV] (A_Sn:184)
112Sn50 + 7 D* --> 91Zr40 + 35Cl17 + 120.193 MeV [30.115 MeV] (A_Sn:185)
112Sn50 + 7 D* --> 93Nb41 + 33S16 + 117.083 MeV [27.006 MeV] (A_Sn:186)
112Sn50 + 7 D* --> 95Mo42 + 31P15 + 115.437 MeV [25.360 MeV] (A_Sn:187)
112Sn50 + 7 D* --> 99Ru44 + 27Al13 + 108.102 MeV [18.025 MeV] (A_Sn:188)
112Sn50 + 7 D* --> 112Sn50 + 14N7 + 89.087 MeV [-0.991 MeV] (A_Sn:189)

112Sn50 + 8 D* --> 64Ni28 + 64Zn30 + 149.527 MeV [45.292 MeV] (A_Sn:190)
112Sn50 + 8 D* --> 65Cu29 + 63Cu29 + 149.268 MeV [45.033 MeV] (A_Sn:191)
112Sn50 + 8 D* --> 64Zn30 + 64Ni28 + 149.527 MeV [45.292 MeV] (A_Sn:192)
112Sn50 + 8 D* --> 66Zn30 + 62Ni28 + 152.070 MeV [47.835 MeV] (A_Sn:193)
112Sn50 + 8 D* --> 67Zn30 + 61Ni28 + 148.526 MeV [44.291 MeV] (A_Sn:194)
112Sn50 + 8 D* --> 68Zn30 + 60Ni28 + 150.904 MeV [46.669 MeV] (A_Sn:195)
112Sn50 + 8 D* --> 70Zn30 + 58Ni28 + 146.217 MeV [41.982 MeV] (A_Sn:196)
112Sn50 + 8 D* --> 69Ga31 + 59Co27 + 147.981 MeV [43.746 MeV] (A_Sn:197)
112Sn50 + 8 D* --> 70Ge32 + 58Fe26 + 149.141 MeV [44.906 MeV] (A_Sn:198)
112Sn50 + 8 D* --> 72Ge32 + 56Fe26 + 149.616 MeV [45.381 MeV] (A_Sn:199)
112Sn50 + 8 D* --> 74Ge32 + 54Fe26 + 146.099 MeV [41.864 MeV] (A_Sn:200)
112Sn50 + 8 D* --> 74Se34 + 54Cr24 + 145.570 MeV [41.335 MeV] (A_Sn:201)
112Sn50 + 8 D* --> 76Se34 + 52Cr24 + 147.093 MeV [42.858 MeV] (A_Sn:202)
112Sn50 + 8 D* --> 78Se34 + 50Cr24 + 143.710 MeV [39.475 MeV] (A_Sn:203)
112Sn50 + 8 D* --> 78Kr36 + 50Ti22 + 142.031 MeV [37.796 MeV] (A_Sn:204)
112Sn50 + 8 D* --> 80Kr36 + 48Ti22 + 142.805 MeV [38.570 MeV] (A_Sn:205)
112Sn50 + 8 D* --> 82Kr36 + 46Ti22 + 141.137 MeV [36.902 MeV] (A_Sn:206)
112Sn50 + 8 D* --> 84Sr38 + 44Ca20 + 138.537 MeV [34.302 MeV] (A_Sn:207)

112Sn50 + 8 D* --> 86Sr38 + 42Ca20 + 139.495 MeV [35.260 MeV] (A_Sn:208)
112Sn50 + 8 D* --> 88Sr38 + 40Ca20 + 139.193 MeV [34.957 MeV] (A_Sn:209)
112Sn50 + 8 D* --> 89Y39 + 39K19 + 137.933 MeV [33.698 MeV] (A_Sn:210)
112Sn50 + 8 D* --> 90Zr40 + 38Ar18 + 139.906 MeV [35.671 MeV] (A_Sn:211)
112Sn50 + 8 D* --> 92Zr40 + 36Ar18 + 135.110 MeV [30.875 MeV] (A_Sn:212)
112Sn50 + 8 D* --> 93Nb41 + 35Cl17 + 132.646 MeV [28.411 MeV] (A_Sn:213)
112Sn50 + 8 D* --> 92Mo42 + 36S16 + 133.894 MeV [29.658 MeV] (A_Sn:214)
112Sn50 + 8 D* --> 94Mo42 + 34S16 + 134.766 MeV [30.531 MeV] (A_Sn:215)
112Sn50 + 8 D* --> 95Mo42 + 33S16 + 130.718 MeV [26.483 MeV] (A_Sn:216)
112Sn50 + 8 D* --> 96Mo42 + 32S16 + 131.231 MeV [26.996 MeV] (A_Sn:217)
112Sn50 + 8 D* --> 98Ru44 + 30Si14 + 129.082 MeV [24.847 MeV] (A_Sn:218)
112Sn50 + 8 D* --> 99Ru44 + 29Si14 + 125.937 MeV [21.701 MeV] (A_Sn:219)
112Sn50 + 8 D* --> 100Ru44 + 28Si14 + 127.136 MeV [22.901 MeV] (A_Sn:220)
112Sn50 + 8 D* --> 102Pd46 + 26Mg12 + 120.564 MeV [16.329 MeV] (A_Sn:221)
112Sn50 + 8 D* --> 104Pd46 + 24Mg12 + 119.748 MeV [15.513 MeV] (A_Sn:222)
112Sn50 + 8 D* --> 106Cd48 + 22Ne10 + 111.582 MeV [7.347 MeV] (A_Sn:223)
112Sn50 + 8 D* --> 108Cd48 + 20Ne10 + 112.719 MeV [8.484 MeV] (A_Sn:224)
112Sn50 + 8 D* --> 112Sn50 + 16O8 + 109.823 MeV [5.588 MeV] (A_Sn:225)

112Sn50 + 9 D* --> 67Zn30 + 63Cu29 + 163.020 MeV [44.314 MeV] (A_Sn:226)
112Sn50 + 9 D* --> 69Ga31 + 61Ni28 + 163.109 MeV [44.402 MeV] (A_Sn:227)
112Sn50 + 9 D* --> 80Kr36 + 50V23 + 156.674 MeV [37.968 MeV] (A_Sn:228)
112Sn50 + 9 D* --> 90Zr40 + 40K19 + 151.863 MeV [33.156 MeV] (A_Sn:229)
112Sn50 + 9 D* --> 91Zr40 + 39K19 + 151.258 MeV [32.551 MeV] (A_Sn:230)
112Sn50 + 9 D* --> 95Mo42 + 35Cl17 + 146.281 MeV [27.575 MeV] (A_Sn:231)
112Sn50 + 9 D* --> 99Ru44 + 31P15 + 141.618 MeV [22.911 MeV] (A_Sn:232)

112Sn50 + 10 D* --> 66Zn30 + 66Zn30 + 180.495 MeV [47.005 MeV] (A_Sn:233)
112Sn50 + 10 D* --> 68Zn30 + 64Zn30 + 178.707 MeV [45.217 MeV] (A_Sn:234)
112Sn50 + 10 D* --> 69Ga31 + 63Cu29 + 177.603 MeV [44.114 MeV] (A_Sn:235)
112Sn50 + 10 D* --> 70Ge32 + 62Ni28 + 180.005 MeV [46.516 MeV] (A_Sn:236)
112Sn50 + 10 D* --> 72Ge32 + 60Ni28 + 179.754 MeV [46.265 MeV] (A_Sn:237)
112Sn50 + 10 D* --> 74Ge32 + 58Ni28 + 176.346 MeV [42.857 MeV] (A_Sn:238)
112Sn50 + 10 D* --> 74Se34 + 58Fe26 + 177.062 MeV [43.573 MeV] (A_Sn:239)
112Sn50 + 10 D* --> 76Se34 + 56Fe26 + 178.553 MeV [45.064 MeV] (A_Sn:240)
112Sn50 + 10 D* --> 78Se34 + 54Fe26 + 175.974 MeV [42.485 MeV] (A_Sn:241)
112Sn50 + 10 D* --> 78Kr36 + 54Cr24 + 173.808 MeV [40.319 MeV] (A_Sn:242)
112Sn50 + 10 D* --> 80Kr36 + 52Cr24 + 176.005 MeV [42.516 MeV] (A_Sn:243)
112Sn50 + 10 D* --> 82Kr36 + 50Cr24 + 173.545 MeV [40.056 MeV] (A_Sn:244)
112Sn50 + 10 D* --> 84Sr38 + 48Ti22 + 171.828 MeV [38.338 MeV] (A_Sn:245)
112Sn50 + 10 D* --> 86Sr38 + 46Ti22 + 171.343 MeV [37.854 MeV] (A_Sn:246)
112Sn50 + 10 D* --> 90Zr40 + 42Ca20 + 170.010 MeV [36.521 MeV] (A_Sn:247)
112Sn50 + 10 D* --> 92Zr40 + 40Ca20 + 165.996 MeV [32.507 MeV] (A_Sn:248)
112Sn50 + 10 D* --> 93Nb41 + 39K19 + 163.711 MeV [30.222 MeV] (A_Sn:249)
112Sn50 + 10 D* --> 92Mo42 + 40Ar18 + 164.541 MeV [31.052 MeV] (A_Sn:250)
112Sn50 + 10 D* --> 94Mo42 + 38Ar18 + 165.820 MeV [32.331 MeV] (A_Sn:251)
112Sn50 + 10 D* --> 96Mo42 + 36Ar18 + 161.718 MeV [28.229 MeV] (A_Sn:252)
112Sn50 + 10 D* --> 96Ru44 + 36S16 + 159.432 MeV [25.943 MeV] (A_Sn:253)
112Sn50 + 10 D* --> 98Ru44 + 34S16 + 160.852 MeV [27.363 MeV] (A_Sn:254)
112Sn50 + 10 D* --> 99Ru44 + 33S16 + 156.899 MeV [23.410 MeV] (A_Sn:255)
112Sn50 + 10 D* --> 100Ru44 + 32S16 + 157.931 MeV [24.441 MeV] (A_Sn:256)
112Sn50 + 10 D* --> 102Pd46 + 30Si14 + 155.054 MeV [21.565 MeV] (A_Sn:257)
112Sn50 + 10 D* --> 104Pd46 + 28Si14 + 153.579 MeV [20.089 MeV] (A_Sn:258)
112Sn50 + 10 D* --> 106Cd48 + 26Mg12 + 146.043 MeV [12.554 MeV] (A_Sn:259)

112Sn50 + 10 D* --> 108Cd48 + 24Mg12 + 145.882 MeV [12.393 MeV] (A_Sn:260)
112Sn50 + 10 D* --> 112Sn50 + 20Ne10 + 138.399 MeV [4.910 MeV] (A_Sn:261)

112Sn50 + 11 D* --> 84Sr38 + 50V23 + 185.697 MeV [37.117 MeV] (A_Sn:262)
112Sn50 + 11 D* --> 94Mo42 + 40K19 + 177.777 MeV [29.196 MeV] (A_Sn:263)
112Sn50 + 11 D* --> 95Mo42 + 39K19 + 177.346 MeV [28.766 MeV] (A_Sn:264)
112Sn50 + 11 D* --> 99Ru44 + 35Cl17 + 172.462 MeV [23.882 MeV] (A_Sn:265)

112Sn50 + 12 D* --> 70Ge32 + 66Zn30 + 208.430 MeV [44.453 MeV] (A_Sn:266)
112Sn50 + 12 D* --> 72Ge32 + 64Zn30 + 207.557 MeV [43.580 MeV] (A_Sn:267)
112Sn50 + 12 D* --> 74Se34 + 62Ni28 + 207.926 MeV [43.949 MeV] (A_Sn:268)
112Sn50 + 12 D* --> 76Se34 + 60Ni28 + 208.692 MeV [44.714 MeV] (A_Sn:269)
112Sn50 + 12 D* --> 78Se34 + 58Ni28 + 206.221 MeV [42.244 MeV] (A_Sn:270)
112Sn50 + 12 D* --> 78Kr36 + 58Fe26 + 205.301 MeV [41.323 MeV] (A_Sn:271)
112Sn50 + 12 D* --> 80Kr36 + 56Fe26 + 207.465 MeV [43.488 MeV] (A_Sn:272)
112Sn50 + 12 D* --> 82Kr36 + 54Fe26 + 205.809 MeV [41.832 MeV] (A_Sn:273)
112Sn50 + 12 D* --> 84Sr38 + 52Cr24 + 205.028 MeV [41.051 MeV] (A_Sn:274)
112Sn50 + 12 D* --> 86Sr38 + 50Cr24 + 203.750 MeV [39.773 MeV] (A_Sn:275)
112Sn50 + 12 D* --> 90Zr40 + 46Ti22 + 201.858 MeV [37.881 MeV] (A_Sn:276)
112Sn50 + 12 D* --> 92Mo42 + 44Ca20 + 197.241 MeV [33.264 MeV] (A_Sn:277)
112Sn50 + 12 D* --> 94Mo42 + 42Ca20 + 195.924 MeV [31.947 MeV] (A_Sn:278)
112Sn50 + 12 D* --> 96Mo42 + 40Ca20 + 192.604 MeV [28.627 MeV] (A_Sn:279)
112Sn50 + 12 D* --> 96Ru44 + 40Ar18 + 190.079 MeV [26.102 MeV] (A_Sn:280)
112Sn50 + 12 D* --> 98Ru44 + 38Ar18 + 191.906 MeV [27.929 MeV] (A_Sn:281)
112Sn50 + 12 D* --> 100Ru44 + 36Ar18 + 188.418 MeV [24.441 MeV] (A_Sn:282)
112Sn50 + 12 D* --> 102Pd46 + 34S16 + 186.824 MeV [22.847 MeV] (A_Sn:283)
112Sn50 + 12 D* --> 104Pd46 + 32S16 + 184.373 MeV [20.396 MeV] (A_Sn:284)
112Sn50 + 12 D* --> 106Cd48 + 30Si14 + 180.533 MeV [16.555 MeV] (A_Sn:285)
112Sn50 + 12 D* --> 108Cd48 + 28Si14 + 179.713 MeV [15.735 MeV] (A_Sn:286)
112Sn50 + 12 D* --> 112Sn50 + 24Mg12 + 171.562 MeV [7.585 MeV] (A_Sn:287)

114Sn50 + D* --> 76Ge32 + 40K19 + 29.323 MeV [17.513 MeV] (A_Sn:288)
114Sn50 + D* --> 87Rb37 + 29Si14 + 29.068 MeV [17.257 MeV] (A_Sn:289)
114Sn50 + D* --> 97Mo42 + 19F9 + 11.603 MeV [-0.208 MeV] (A_Sn:290)
114Sn50 + D* --> 101Ru44 + 15N7 + 10.423 MeV [-1.387 MeV] (A_Sn:291)
114Sn50 + D* --> 102Ru44 + 14N7 + 8.809 MeV [-3.001 MeV] (A_Sn:292)
114Sn50 + D* --> 103Rh45 + 13C6 + 7.472 MeV [-4.339 MeV] (A_Sn:293)
114Sn50 + D* --> 105Pd46 + 11B5 + 2.320 MeV [-9.491 MeV] (A_Sn:294)
114Sn50 + D* --> 106Pd46 + 10B5 + 00.427 MeV [-11.384 MeV] (A_Sn:295)
114Sn50 + D* --> 115Sn50 + 1H1 + 5.322 MeV [-6.489 MeV] (A_Sn:296)

114Sn50 + 2 D* --> 64Ni28 + 54Cr24 + 59.742 MeV [35.786 MeV] (A_Sn:297)
114Sn50 + 2 D* --> 68Zn30 + 50Ti22 + 57.144 MeV [33.188 MeV] (A_Sn:298)
114Sn50 + 2 D* --> 70Zn30 + 48Ti22 + 53.763 MeV [29.806 MeV] (A_Sn:299)
114Sn50 + 2 D* --> 70Ge32 + 48Ca20 + 50.488 MeV [26.531 MeV] (A_Sn:300)
114Sn50 + 2 D* --> 72Ge32 + 46Ca20 + 51.432 MeV [27.475 MeV] (A_Sn:301)
114Sn50 + 2 D* --> 74Ge32 + 44Ca20 + 50.601 MeV [26.645 MeV] (A_Sn:302)
114Sn50 + 2 D* --> 76Ge32 + 42Ca20 + 47.471 MeV [23.514 MeV] (A_Sn:303)
114Sn50 + 2 D* --> 78Se34 + 40Ar18 + 47.777 MeV [23.820 MeV] (A_Sn:304)
114Sn50 + 2 D* --> 80Se34 + 38Ar18 + 48.185 MeV [24.228 MeV] (A_Sn:305)
114Sn50 + 2 D* --> 82Se34 + 36Ar18 + 43.536 MeV [19.579 MeV] (A_Sn:306)
114Sn50 + 2 D* --> 81Br35 + 37Cl17 + 45.447 MeV [21.490 MeV] (A_Sn:307)
114Sn50 + 2 D* --> 82Kr36 + 36S16 + 46.964 MeV [23.008 MeV] (A_Sn:308)
114Sn50 + 2 D* --> 84Kr36 + 34S16 + 48.073 MeV [24.117 MeV] (A_Sn:309)

114Sn50 + 2 D* --> 86Kr36 + 32S16 + 44.992 MeV [21.035 MeV] (A_Sn:310)
114Sn50 + 2 D* --> 87Rb37 + 31P15 + 44.749 MeV [20.793 MeV] (A_Sn:311)
114Sn50 + 2 D* --> 88Sr38 + 30Si14 + 48.065 MeV [24.109 MeV] (A_Sn:312)
114Sn50 + 2 D* --> 92Zr40 + 26Mg12 + 40.379 MeV [16.422 MeV] (A_Sn:313)
114Sn50 + 2 D* --> 94Zr40 + 24Mg12 + 36.911 MeV [12.954 MeV] (A_Sn:314)
114Sn50 + 2 D* --> 96Mo42 + 22Ne10 + 32.526 MeV [8.569 MeV] (A_Sn:315)
114Sn50 + 2 D* --> 97Mo42 + 21Ne10 + 28.983 MeV [5.026 MeV] (A_Sn:316)
114Sn50 + 2 D* --> 98Mo42 + 20Ne10 + 30.864 MeV [6.908 MeV] (A_Sn:317)
114Sn50 + 2 D* --> 100Ru44 + 18O8 + 25.711 MeV [1.754 MeV] (A_Sn:318)
114Sn50 + 2 D* --> 101Ru44 + 17O8 + 24.469 MeV [00.512 MeV] (A_Sn:319)
114Sn50 + 2 D* --> 102Ru44 + 16O8 + 29.546 MeV [5.589 MeV] (A_Sn:320)
114Sn50 + 2 D* --> 103Rh45 + 15N7 + 23.631 MeV [-0.325 MeV] (A_Sn:321)
114Sn50 + 2 D* --> 105Pd46 + 13C6 + 20.998 MeV [-2.958 MeV] (A_Sn:322)
114Sn50 + 2 D* --> 106Pd46 + 12C6 + 25.613 MeV [1.656 MeV] (A_Sn:323)
114Sn50 + 2 D* --> 107Ag47 + 11B5 + 15.444 MeV [-8.512 MeV] (A_Sn:324)
114Sn50 + 2 D* --> 114Sn50 + 4He2 + 23.847 MeV [-0.110 MeV] (A_Sn:325)
114Sn50 + 2 D* --> 115Sn50 + 3He2 + 10.815 MeV [-13.141 MeV] (A_Sn:326)

114Sn50 + 3 D* --> 70Zn30 + 50V23 + 67.632 MeV [31.198 MeV] (A_Sn:327)
114Sn50 + 3 D* --> 71Ga31 + 49Ti22 + 67.545 MeV [31.110 MeV] (A_Sn:328)
114Sn50 + 3 D* --> 80Se34 + 40K19 + 60.141 MeV [23.707 MeV] (A_Sn:329)
114Sn50 + 3 D* --> 83Kr36 + 37Cl17 + 60.590 MeV [24.155 MeV] (A_Sn:330)
114Sn50 + 3 D* --> 87Rb37 + 33S16 + 60.030 MeV [23.595 MeV] (A_Sn:331)
114Sn50 + 3 D* --> 97Mo42 + 23Na11 + 45.917 MeV [9.482 MeV] (A_Sn:332)
114Sn50 + 3 D* --> 101Ru44 + 19F9 + 38.283 MeV [1.849 MeV] (A_Sn:333)
114Sn50 + 3 D* --> 103Rh45 + 17O8 + 37.677 MeV [1.242 MeV] (A_Sn:334)
114Sn50 + 3 D* --> 105Pd46 + 15N7 + 37.158 MeV [00.723 MeV] (A_Sn:335)
114Sn50 + 3 D* --> 106Pd46 + 14N7 + 35.885 MeV [-0.549 MeV] (A_Sn:336)
114Sn50 + 3 D* --> 107Ag47 + 13C6 + 34.123 MeV [-2.312 MeV] (A_Sn:337)
114Sn50 + 3 D* --> 110Cd48 + 10B5 + 27.149 MeV [-9.286 MeV] (A_Sn:338)
114Sn50 + 3 D* --> 114Sn50 + 6Li3 + 25.320 MeV [-11.114 MeV] (A_Sn:339)

114Sn50 + 4 D* --> 64Ni28 + 58Fe26 + 91.235 MeV [41.993 MeV] (A_Sn:340)
114Sn50 + 4 D* --> 68Zn30 + 54Cr24 + 88.922 MeV [39.680 MeV] (A_Sn:341)
114Sn50 + 4 D* --> 70Zn30 + 52Cr24 + 86.964 MeV [37.722 MeV] (A_Sn:342)
114Sn50 + 4 D* --> 71Ga31 + 51V23 + 84.324 MeV [35.082 MeV] (A_Sn:343)
114Sn50 + 4 D* --> 72Ge32 + 50Ti22 + 85.995 MeV [36.753 MeV] (A_Sn:344)
114Sn50 + 4 D* --> 73Ge32 + 49Ti22 + 81.838 MeV [32.596 MeV] (A_Sn:345)
114Sn50 + 4 D* --> 74Ge32 + 48Ti22 + 83.892 MeV [34.650 MeV] (A_Sn:346)
114Sn50 + 4 D* --> 76Ge32 + 46Ti22 + 79.318 MeV [30.077 MeV] (A_Sn:347)
114Sn50 + 4 D* --> 74Se34 + 48Ca20 + 78.409 MeV [29.167 MeV] (A_Sn:348)
114Sn50 + 4 D* --> 76Se34 + 46Ca20 + 80.369 MeV [31.127 MeV] (A_Sn:349)
114Sn50 + 4 D* --> 78Se34 + 44Ca20 + 80.477 MeV [31.235 MeV] (A_Sn:350)
114Sn50 + 4 D* --> 80Se34 + 42Ca20 + 78.289 MeV [29.047 MeV] (A_Sn:351)
114Sn50 + 4 D* --> 82Se34 + 40Ca20 + 74.422 MeV [25.180 MeV] (A_Sn:352)
114Sn50 + 4 D* --> 81Br35 + 41K19 + 75.516 MeV [26.274 MeV] (A_Sn:353)
114Sn50 + 4 D* --> 82Kr36 + 40Ar18 + 77.611 MeV [28.369 MeV] (A_Sn:354)
114Sn50 + 4 D* --> 84Kr36 + 38Ar18 + 79.128 MeV [29.886 MeV] (A_Sn:355)
114Sn50 + 4 D* --> 86Kr36 + 36Ar18 + 75.479 MeV [26.237 MeV] (A_Sn:356)
114Sn50 + 4 D* --> 85Rb37 + 37Cl17 + 75.911 MeV [26.669 MeV] (A_Sn:357)
114Sn50 + 4 D* --> 87Rb37 + 35Cl17 + 75.593 MeV [26.351 MeV] (A_Sn:358)
114Sn50 + 4 D* --> 86Sr38 + 36S16 + 77.170 MeV [27.928 MeV] (A_Sn:359)
114Sn50 + 4 D* --> 88Sr38 + 34S16 + 79.836 MeV [30.594 MeV] (A_Sn:360)
114Sn50 + 4 D* --> 92Zr40 + 30Si14 + 74.869 MeV [25.627 MeV] (A_Sn:361)

114Sn50 + 4 D* --> 94Zr40 + 28Si14 + 70.742 MeV [21.500 MeV] (A_Sn:362)
114Sn50 + 4 D* --> 96Mo42 + 26Mg12 + 66.987 MeV [17.745 MeV] (A_Sn:363)
114Sn50 + 4 D* --> 97Mo42 + 25Mg12 + 62.715 MeV [13.473 MeV] (A_Sn:364)
114Sn50 + 4 D* --> 98Mo42 + 24Mg12 + 64.027 MeV [14.785 MeV] (A_Sn:365)
114Sn50 + 4 D* --> 100Ru44 + 22Ne10 + 59.226 MeV [9.984 MeV] (A_Sn:366)
114Sn50 + 4 D* --> 101Ru44 + 21Ne10 + 55.663 MeV [6.422 MeV] (A_Sn:367)
114Sn50 + 4 D* --> 102Ru44 + 20Ne10 + 58.122 MeV [8.880 MeV] (A_Sn:368)
114Sn50 + 4 D* --> 103Rh45 + 19F9 + 51.492 MeV [2.250 MeV] (A_Sn:369)
114Sn50 + 4 D* --> 104Pd46 + 18O8 + 52.154 MeV [2.912 MeV] (A_Sn:370)
114Sn50 + 4 D* --> 105Pd46 + 17O8 + 51.204 MeV [1.962 MeV] (A_Sn:371)
114Sn50 + 4 D* --> 106Pd46 + 16O8 + 56.621 MeV [7.380 MeV] (A_Sn:372)
114Sn50 + 4 D* --> 107Ag47 + 15N7 + 50.282 MeV [1.040 MeV] (A_Sn:373)
114Sn50 + 4 D* --> 110Cd48 + 12C6 + 52.335 MeV [3.093 MeV] (A_Sn:374)

114Sn50 + 5 D* --> 71Ga31 + 53Cr24 + 100.543 MeV [38.168 MeV] (A_Sn:375)
114Sn50 + 5 D* --> 73Ge32 + 51V23 + 98.617 MeV [36.242 MeV] (A_Sn:376)
114Sn50 + 5 D* --> 74Ge32 + 50V23 + 97.762 MeV [35.387 MeV] (A_Sn:377)
114Sn50 + 5 D* --> 75As33 + 49Ti22 + 96.709 MeV [34.334 MeV] (A_Sn:378)
114Sn50 + 5 D* --> 81Br35 + 43Ca20 + 91.501 MeV [29.126 MeV] (A_Sn:379)
114Sn50 + 5 D* --> 83Kr36 + 41K19 + 90.658 MeV [28.284 MeV] (A_Sn:380)
114Sn50 + 5 D* --> 84Kr36 + 40K19 + 91.084 MeV [28.709 MeV] (A_Sn:381)
114Sn50 + 5 D* --> 87Sr38 + 37Cl17 + 91.760 MeV [29.385 MeV] (A_Sn:382)
114Sn50 + 5 D* --> 97Mo42 + 27Al13 + 79.855 MeV [17.480 MeV] (A_Sn:383)
114Sn50 + 5 D* --> 101Ru44 + 23Na11 + 72.597 MeV [10.223 MeV] (A_Sn:384)
114Sn50 + 5 D* --> 103Rh45 + 21Ne10 + 68.872 MeV [6.497 MeV] (A_Sn:385)
114Sn50 + 5 D* --> 105Pd46 + 19F9 + 65.018 MeV [2.643 MeV] (A_Sn:386)
114Sn50 + 5 D* --> 107Ag47 + 17O8 + 64.328 MeV [1.953 MeV] (A_Sn:387)
114Sn50 + 5 D* --> 110Cd48 + 14N7 + 62.607 MeV [00.233 MeV] (A_Sn:388)
114Sn50 + 5 D* --> 114Sn50 + 10B5 + 53.628 MeV [-8.747 MeV] (A_Sn:389)

114Sn50 + 6 D* --> 64Ni28 + 62Ni28 + 122.099 MeV [46.268 MeV] (A_Sn:390)
114Sn50 + 6 D* --> 68Zn30 + 58Fe26 + 120.414 MeV [44.584 MeV] (A_Sn:391)
114Sn50 + 6 D* --> 70Zn30 + 56Fe26 + 118.423 MeV [42.593 MeV] (A_Sn:392)
114Sn50 + 6 D* --> 71Ga31 + 55Mn25 + 116.104 MeV [40.274 MeV] (A_Sn:393)
114Sn50 + 6 D* --> 72Ge32 + 54Cr24 + 117.772 MeV [41.942 MeV] (A_Sn:394)
114Sn50 + 6 D* --> 73Ge32 + 53Cr24 + 114.836 MeV [39.005 MeV] (A_Sn:395)
114Sn50 + 6 D* --> 74Ge32 + 52Cr24 + 117.093 MeV [41.262 MeV] (A_Sn:396)
114Sn50 + 6 D* --> 76Ge32 + 50Cr24 + 111.726 MeV [35.896 MeV] (A_Sn:397)
114Sn50 + 6 D* --> 75As33 + 51V23 + 113.487 MeV [37.657 MeV] (A_Sn:398)
114Sn50 + 6 D* --> 76Se34 + 50Ti22 + 114.932 MeV [39.102 MeV] (A_Sn:399)
114Sn50 + 6 D* --> 77Se34 + 49Ti22 + 111.412 MeV [35.582 MeV] (A_Sn:400)
114Sn50 + 6 D* --> 78Se34 + 48Ti22 + 113.767 MeV [37.937 MeV] (A_Sn:401)
114Sn50 + 6 D* --> 80Se34 + 46Ti22 + 110.137 MeV [34.306 MeV] (A_Sn:402)
114Sn50 + 6 D* --> 81Br35 + 45Sc21 + 107.296 MeV [31.466 MeV] (A_Sn:403)
114Sn50 + 6 D* --> 78Kr36 + 48Ca20 + 106.647 MeV [30.817 MeV] (A_Sn:404)
114Sn50 + 6 D* --> 80Kr36 + 46Ca20 + 109.281 MeV [33.451 MeV] (A_Sn:405)
114Sn50 + 6 D* --> 82Kr36 + 44Ca20 + 110.311 MeV [34.481 MeV] (A_Sn:406)
114Sn50 + 6 D* --> 83Kr36 + 43Ca20 + 106.644 MeV [30.813 MeV] (A_Sn:407)
114Sn50 + 6 D* --> 84Kr36 + 42Ca20 + 109.231 MeV [33.401 MeV] (A_Sn:408)
114Sn50 + 6 D* --> 86Kr36 + 40Ca20 + 106.365 MeV [30.535 MeV] (A_Sn:409)
114Sn50 + 6 D* --> 85Rb37 + 41K19 + 105.980 MeV [30.150 MeV] (A_Sn:410)
114Sn50 + 6 D* --> 87Rb37 + 39K19 + 106.658 MeV [30.828 MeV] (A_Sn:411)
114Sn50 + 6 D* --> 86Sr38 + 40Ar18 + 107.817 MeV [31.987 MeV] (A_Sn:412)
114Sn50 + 6 D* --> 88Sr38 + 38Ar18 + 110.890 MeV [35.059 MeV] (A_Sn:413)

114Sn50 + 6 D* --> 89Y39 + 37Cl17 + 107.717 MeV [31.886 MeV] (A_Sn:414)
114Sn50 + 6 D* --> 90Zr40 + 36S16 + 107.685 MeV [31.854 MeV] (A_Sn:415)
114Sn50 + 6 D* --> 92Zr40 + 34S16 + 106.639 MeV [30.809 MeV] (A_Sn:416)
114Sn50 + 6 D* --> 94Zr40 + 32S16 + 101.536 MeV [25.706 MeV] (A_Sn:417)
114Sn50 + 6 D* --> 96Mo42 + 30Si14 + 101.477 MeV [25.647 MeV] (A_Sn:418)
114Sn50 + 6 D* --> 97Mo42 + 29Si14 + 97.689 MeV [21.859 MeV] (A_Sn:419)
114Sn50 + 6 D* --> 98Mo42 + 28Si14 + 97.858 MeV [22.028 MeV] (A_Sn:420)
114Sn50 + 6 D* --> 100Ru44 + 26Mg12 + 93.687 MeV [17.857 MeV] (A_Sn:421)
114Sn50 + 6 D* --> 101Ru44 + 25Mg12 + 89.396 MeV [13.566 MeV] (A_Sn:422)
114Sn50 + 6 D* --> 102Ru44 + 24Mg12 + 91.285 MeV [15.455 MeV] (A_Sn:423)
114Sn50 + 6 D* --> 103Rh45 + 23Na11 + 85.805 MeV [9.975 MeV] (A_Sn:424)
114Sn50 + 6 D* --> 104Pd46 + 22Ne10 + 85.668 MeV [9.838 MeV] (A_Sn:425)
114Sn50 + 6 D* --> 105Pd46 + 21Ne10 + 82.398 MeV [6.568 MeV] (A_Sn:426)
114Sn50 + 6 D* --> 106Pd46 + 20Ne10 + 85.198 MeV [9.368 MeV] (A_Sn:427)
114Sn50 + 6 D* --> 107Ag47 + 19F9 + 78.143 MeV [2.312 MeV] (A_Sn:428)
114Sn50 + 6 D* --> 108Cd48 + 18O8 + 78.287 MeV [2.457 MeV] (A_Sn:429)
114Sn50 + 6 D* --> 110Cd48 + 16O8 + 83.343 MeV [7.513 MeV] (A_Sn:430)
114Sn50 + 6 D* --> 114Sn50 + 12C6 + 78.814 MeV [2.984 MeV] (A_Sn:431)

114Sn50 + 7 D* --> 71Ga31 + 57Fe26 + 131.710 MeV [42.104 MeV] (A_Sn:432)
114Sn50 + 7 D* --> 73Ge32 + 55Mn25 + 130.397 MeV [40.792 MeV] (A_Sn:433)
114Sn50 + 7 D* --> 75As33 + 53Cr24 + 129.706 MeV [40.101 MeV] (A_Sn:434)
114Sn50 + 7 D* --> 77Se34 + 51V23 + 128.190 MeV [38.585 MeV] (A_Sn:435)
114Sn50 + 7 D* --> 78Se34 + 50V23 + 127.637 MeV [38.031 MeV] (A_Sn:436)
114Sn50 + 7 D* --> 79Br35 + 49Ti22 + 126.016 MeV [36.411 MeV] (A_Sn:437)
114Sn50 + 7 D* --> 81Br35 + 47Ti22 + 124.296 MeV [34.691 MeV] (A_Sn:438)
114Sn50 + 7 D* --> 83Kr36 + 45Sc21 + 122.439 MeV [32.833 MeV] (A_Sn:439)
114Sn50 + 7 D* --> 85Rb37 + 43Ca20 + 121.965 MeV [32.360 MeV] (A_Sn:440)
114Sn50 + 7 D* --> 87Sr38 + 41K19 + 121.829 MeV [32.223 MeV] (A_Sn:441)
114Sn50 + 7 D* --> 88Sr38 + 40K19 + 122.846 MeV [33.240 MeV] (A_Sn:442)
114Sn50 + 7 D* --> 91Zr40 + 37Cl17 + 121.041 MeV [31.435 MeV] (A_Sn:443)
114Sn50 + 7 D* --> 97Mo42 + 31P15 + 113.370 MeV [23.765 MeV] (A_Sn:444)
114Sn50 + 7 D* --> 101Ru44 + 27Al13 + 106.536 MeV [16.930 MeV] (A_Sn:445)
114Sn50 + 7 D* --> 103Rh45 + 25Mg12 + 102.604 MeV [12.999 MeV] (A_Sn:446)
114Sn50 + 7 D* --> 105Pd46 + 23Na11 + 99.332 MeV [9.726 MeV] (A_Sn:447)
114Sn50 + 7 D* --> 107Ag47 + 21Ne10 + 95.523 MeV [5.917 MeV] (A_Sn:448)
114Sn50 + 7 D* --> 114Sn50 + 14N7 + 89.087 MeV [-0.519 MeV] (A_Sn:449)

114Sn50 + 8 D* --> 65Cu29 + 65Cu29 + 149.052 MeV [45.354 MeV] (A_Sn:450)
114Sn50 + 8 D* --> 66Zn30 + 64Ni28 + 150.524 MeV [46.826 MeV] (A_Sn:451)
114Sn50 + 8 D* --> 68Zn30 + 62Ni28 + 151.278 MeV [47.580 MeV] (A_Sn:452)
114Sn50 + 8 D* --> 70Zn30 + 60Ni28 + 148.562 MeV [44.864 MeV] (A_Sn:453)
114Sn50 + 8 D* --> 71Ga31 + 59Co27 + 146.894 MeV [43.196 MeV] (A_Sn:454)
114Sn50 + 8 D* --> 72Ge32 + 58Fe26 + 149.264 MeV [45.566 MeV] (A_Sn:455)
114Sn50 + 8 D* --> 73Ge32 + 57Fe26 + 146.003 MeV [42.305 MeV] (A_Sn:456)
114Sn50 + 8 D* --> 74Ge32 + 56Fe26 + 148.553 MeV [44.855 MeV] (A_Sn:457)
114Sn50 + 8 D* --> 76Ge32 + 54Fe26 + 143.990 MeV [40.293 MeV] (A_Sn:458)
114Sn50 + 8 D* --> 75As33 + 55Mn25 + 145.268 MeV [41.570 MeV] (A_Sn:459)
114Sn50 + 8 D* --> 76Se34 + 54Cr24 + 146.709 MeV [43.012 MeV] (A_Sn:460)
114Sn50 + 8 D* --> 77Se34 + 53Cr24 + 144.409 MeV [40.711 MeV] (A_Sn:461)
114Sn50 + 8 D* --> 78Se34 + 52Cr24 + 146.968 MeV [43.270 MeV] (A_Sn:462)
114Sn50 + 8 D* --> 80Se34 + 50Cr24 + 142.544 MeV [38.847 MeV] (A_Sn:463)
114Sn50 + 8 D* --> 79Br35 + 51V23 + 142.795 MeV [39.097 MeV] (A_Sn:464)
114Sn50 + 8 D* --> 80Kr36 + 50Ti22 + 143.844 MeV [40.146 MeV] (A_Sn:465)

114Sn50 + 8 D* --> 82Kr36 + 48Ti22 + 143.602 MeV [39.904 MeV] (A_Sn:466)
114Sn50 + 8 D* --> 83Kr36 + 47Ti22 + 139.439 MeV [35.741 MeV] (A_Sn:467)
114Sn50 + 8 D* --> 84Kr36 + 46Ti22 + 141.079 MeV [37.381 MeV] (A_Sn:468)
114Sn50 + 8 D* --> 85Rb37 + 45Sc21 + 137.760 MeV [34.062 MeV] (A_Sn:469)
114Sn50 + 8 D* --> 84Sr38 + 46Ca20 + 138.304 MeV [34.606 MeV] (A_Sn:470)
114Sn50 + 8 D* --> 86Sr38 + 44Ca20 + 140.517 MeV [36.819 MeV] (A_Sn:471)
114Sn50 + 8 D* --> 87Sr38 + 43Ca20 + 137.814 MeV [34.116 MeV] (A_Sn:472)
114Sn50 + 8 D* --> 88Sr38 + 42Ca20 + 140.994 MeV [37.296 MeV] (A_Sn:473)
114Sn50 + 8 D* --> 89Y39 + 41K19 + 137.786 MeV [34.088 MeV] (A_Sn:474)
114Sn50 + 8 D* --> 90Zr40 + 40Ar18 + 138.332 MeV [34.634 MeV] (A_Sn:475)
114Sn50 + 8 D* --> 92Zr40 + 38Ar18 + 137.693 MeV [33.996 MeV] (A_Sn:476)
114Sn50 + 8 D* --> 94Zr40 + 36Ar18 + 132.023 MeV [28.325 MeV] (A_Sn:477)
114Sn50 + 8 D* --> 93Nb41 + 37Cl17 + 133.495 MeV [29.797 MeV] (A_Sn:478)
114Sn50 + 8 D* --> 94Mo42 + 36S16 + 133.599 MeV [29.901 MeV] (A_Sn:479)
114Sn50 + 8 D* --> 96Mo42 + 34S16 + 133.247 MeV [29.549 MeV] (A_Sn:480)
114Sn50 + 8 D* --> 97Mo42 + 33S16 + 128.651 MeV [24.954 MeV] (A_Sn:481)
114Sn50 + 8 D* --> 98Mo42 + 32S16 + 128.652 MeV [24.954 MeV] (A_Sn:482)
114Sn50 + 8 D* --> 100Ru44 + 30Si14 + 128.177 MeV [24.479 MeV] (A_Sn:483)
114Sn50 + 8 D* --> 101Ru44 + 29Si14 + 124.370 MeV [20.672 MeV] (A_Sn:484)
114Sn50 + 8 D* --> 102Ru44 + 28Si14 + 125.116 MeV [21.418 MeV] (A_Sn:485)
114Sn50 + 8 D* --> 103Rh45 + 27Al13 + 119.744 MeV [16.046 MeV] (A_Sn:486)
114Sn50 + 8 D* --> 104Pd46 + 26Mg12 + 120.130 MeV [16.432 MeV] (A_Sn:487)
114Sn50 + 8 D* --> 105Pd46 + 25Mg12 + 116.131 MeV [12.433 MeV] (A_Sn:488)
114Sn50 + 8 D* --> 106Pd46 + 24Mg12 + 118.361 MeV [14.663 MeV] (A_Sn:489)
114Sn50 + 8 D* --> 107Ag47 + 23Na11 + 112.456 MeV [8.759 MeV] (A_Sn:490)
114Sn50 + 8 D* --> 108Cd48 + 22Ne10 + 111.802 MeV [8.104 MeV] (A_Sn:491)
114Sn50 + 8 D* --> 110Cd48 + 20Ne10 + 111.920 MeV [8.222 MeV] (A_Sn:492)
114Sn50 + 8 D* --> 112Sn50 + 18O8 + 103.968 MeV [00.270 MeV] (A_Sn:493)
114Sn50 + 8 D* --> 114Sn50 + 16O8 + 109.823 MeV [6.125 MeV] (A_Sn:494)

114Sn50 + 9 D* --> 67Zn30 + 65Cu29 + 162.805 MeV [44.701 MeV] (A_Sn:495)
114Sn50 + 9 D* --> 71Ga31 + 61Ni28 + 162.022 MeV [43.918 MeV] (A_Sn:496)
114Sn50 + 9 D* --> 73Ge32 + 59Co27 + 161.187 MeV [43.082 MeV] (A_Sn:497)
114Sn50 + 9 D* --> 75As33 + 57Fe26 + 160.873 MeV [42.769 MeV] (A_Sn:498)
114Sn50 + 9 D* --> 77Se34 + 55Mn25 + 159.971 MeV [41.867 MeV] (A_Sn:499)
114Sn50 + 9 D* --> 79Br35 + 53Cr24 + 159.014 MeV [40.910 MeV] (A_Sn:500)
114Sn50 + 9 D* --> 82Kr36 + 50V23 + 157.472 MeV [39.368 MeV] (A_Sn:501)
114Sn50 + 9 D* --> 85Rb37 + 47Ti22 + 154.760 MeV [36.656 MeV] (A_Sn:502)
114Sn50 + 9 D* --> 87Sr38 + 45Sc21 + 153.609 MeV [35.505 MeV] (A_Sn:503)
114Sn50 + 9 D* --> 89Y39 + 43Ca20 + 153.771 MeV [35.667 MeV] (A_Sn:504)
114Sn50 + 9 D* --> 91Zr40 + 41K19 + 151.110 MeV [33.006 MeV] (A_Sn:505)
114Sn50 + 9 D* --> 92Zr40 + 40K19 + 149.650 MeV [31.546 MeV] (A_Sn:506)
114Sn50 + 9 D* --> 95Mo42 + 37Cl17 + 147.130 MeV [29.026 MeV] (A_Sn:507)
114Sn50 + 9 D* --> 97Mo42 + 35Cl17 + 144.215 MeV [26.110 MeV] (A_Sn:508)
114Sn50 + 9 D* --> 101Ru44 + 31P15 + 140.051 MeV [21.947 MeV] (A_Sn:509)
114Sn50 + 9 D* --> 103Rh45 + 29Si14 + 137.578 MeV [19.474 MeV] (A_Sn:510)
114Sn50 + 9 D* --> 105Pd46 + 27Al13 + 133.270 MeV [15.166 MeV] (A_Sn:511)
114Sn50 + 9 D* --> 107Ag47 + 25Mg12 + 129.255 MeV [11.151 MeV] (A_Sn:512)

114Sn50 + 10 D* --> 67Zn30 + 67Zn30 + 176.557 MeV [43.735 MeV] (A_Sn:513)
114Sn50 + 10 D* --> 68Zn30 + 66Zn30 + 179.703 MeV [46.881 MeV] (A_Sn:514)
114Sn50 + 10 D* --> 70Zn30 + 64Zn30 + 176.365 MeV [43.543 MeV] (A_Sn:515)
114Sn50 + 10 D* --> 69Ga31 + 65Cu29 + 177.388 MeV [44.566 MeV] (A_Sn:516)
114Sn50 + 10 D* --> 71Ga31 + 63Cu29 + 176.516 MeV [43.694 MeV] (A_Sn:517)

114Sn50 + 10 D* --> 70Ge32 + 64Ni28 + 178.459 MeV [45.637 MeV] (A_Sn:518)
114Sn50 + 10 D* --> 72Ge32 + 62Ni28 + 180.128 MeV [47.306 MeV] (A_Sn:519)
114Sn50 + 10 D* --> 73Ge32 + 61Ni28 + 176.315 MeV [43.493 MeV] (A_Sn:520)
114Sn50 + 10 D* --> 74Ge32 + 60Ni28 + 178.691 MeV [45.869 MeV] (A_Sn:521)
114Sn50 + 10 D* --> 76Ge32 + 58Ni28 + 174.237 MeV [41.415 MeV] (A_Sn:522)
114Sn50 + 10 D* --> 75As33 + 59Co27 + 176.057 MeV [43.235 MeV] (A_Sn:523)
114Sn50 + 10 D* --> 76Se34 + 58Fe26 + 178.202 MeV [45.380 MeV] (A_Sn:524)
114Sn50 + 10 D* --> 77Se34 + 57Fe26 + 175.576 MeV [42.754 MeV] (A_Sn:525)
114Sn50 + 10 D* --> 78Se34 + 56Fe26 + 178.428 MeV [45.606 MeV] (A_Sn:526)
114Sn50 + 10 D* --> 80Se34 + 54Fe26 + 174.809 MeV [41.987 MeV] (A_Sn:527)
114Sn50 + 10 D* --> 79Br35 + 55Mn25 + 174.575 MeV [41.754 MeV] (A_Sn:528)
114Sn50 + 10 D* --> 80Kr36 + 54Cr24 + 175.621 MeV [42.799 MeV] (A_Sn:529)
114Sn50 + 10 D* --> 82Kr36 + 52Cr24 + 176.803 MeV [43.981 MeV] (A_Sn:530)
114Sn50 + 10 D* --> 84Kr36 + 50Cr24 + 173.487 MeV [40.665 MeV] (A_Sn:531)
114Sn50 + 10 D* --> 84Sr38 + 50Ti22 + 172.867 MeV [40.045 MeV] (A_Sn:532)
114Sn50 + 10 D* --> 86Sr38 + 48Ti22 + 173.808 MeV [40.986 MeV] (A_Sn:533)
114Sn50 + 10 D* --> 87Sr38 + 47Ti22 + 170.609 MeV [37.787 MeV] (A_Sn:534)
114Sn50 + 10 D* --> 88Sr38 + 46Ti22 + 172.841 MeV [40.020 MeV] (A_Sn:535)
114Sn50 + 10 D* --> 89Y39 + 45Sc21 + 169.566 MeV [36.744 MeV] (A_Sn:536)
114Sn50 + 10 D* --> 90Zr40 + 44Ca20 + 171.032 MeV [38.210 MeV] (A_Sn:537)
114Sn50 + 10 D* --> 91Zr40 + 43Ca20 + 167.095 MeV [34.273 MeV] (A_Sn:538)
114Sn50 + 10 D* --> 92Zr40 + 42Ca20 + 167.797 MeV [34.975 MeV] (A_Sn:539)
114Sn50 + 10 D* --> 94Zr40 + 40Ca20 + 162.909 MeV [30.088 MeV] (A_Sn:540)
114Sn50 + 10 D* --> 93Nb41 + 41K19 + 163.564 MeV [30.742 MeV] (A_Sn:541)
114Sn50 + 10 D* --> 94Mo42 + 40Ar18 + 164.246 MeV [31.424 MeV] (A_Sn:542)
114Sn50 + 10 D* --> 96Mo42 + 38Ar18 + 164.301 MeV [31.480 MeV] (A_Sn:543)
114Sn50 + 10 D* --> 98Mo42 + 36Ar18 + 159.140 MeV [26.318 MeV] (A_Sn:544)
114Sn50 + 10 D* --> 98Ru44 + 36S16 + 159.685 MeV [26.863 MeV] (A_Sn:545)
114Sn50 + 10 D* --> 100Ru44 + 34S16 + 159.947 MeV [27.125 MeV] (A_Sn:546)
114Sn50 + 10 D* --> 101Ru44 + 33S16 + 155.332 MeV [22.510 MeV] (A_Sn:547)
114Sn50 + 10 D* --> 102Ru44 + 32S16 + 155.910 MeV [23.088 MeV] (A_Sn:548)
114Sn50 + 10 D* --> 103Rh45 + 31P15 + 153.259 MeV [20.438 MeV] (A_Sn:549)
114Sn50 + 10 D* --> 104Pd46 + 30Si14 + 154.619 MeV [21.797 MeV] (A_Sn:550)
114Sn50 + 10 D* --> 105Pd46 + 29Si14 + 151.104 MeV [18.282 MeV] (A_Sn:551)
114Sn50 + 10 D* --> 106Pd46 + 28Si14 + 152.192 MeV [19.370 MeV] (A_Sn:552)
114Sn50 + 10 D* --> 107Ag47 + 27Al13 + 146.395 MeV [13.573 MeV] (A_Sn:553)
114Sn50 + 10 D* --> 108Cd48 + 26Mg12 + 146.263 MeV [13.441 MeV] (A_Sn:554)
114Sn50 + 10 D* --> 110Cd48 + 24Mg12 + 145.083 MeV [12.261 MeV] (A_Sn:555)
114Sn50 + 10 D* --> 112Sn50 + 22Ne10 + 137.482 MeV [4.660 MeV] (A_Sn:556)
114Sn50 + 10 D* --> 114Sn50 + 20Ne10 + 138.399 MeV [5.577 MeV] (A_Sn:557)

114Sn50 + 11 D* --> 69Ga31 + 67Zn30 + 191.140 MeV [43.292 MeV] (A_Sn:558)
114Sn50 + 11 D* --> 73Ge32 + 63Cu29 + 190.809 MeV [42.961 MeV] (A_Sn:559)
114Sn50 + 11 D* --> 75As33 + 61Ni28 + 191.185 MeV [43.337 MeV] (A_Sn:560)
114Sn50 + 11 D* --> 77Se34 + 59Co27 + 190.760 MeV [42.912 MeV] (A_Sn:561)
114Sn50 + 11 D* --> 79Br35 + 57Fe26 + 190.181 MeV [42.332 MeV] (A_Sn:562)
114Sn50 + 11 D* --> 86Sr38 + 50V23 + 187.677 MeV [39.829 MeV] (A_Sn:563)
114Sn50 + 11 D* --> 89Y39 + 47Ti22 + 186.566 MeV [38.718 MeV] (A_Sn:564)
114Sn50 + 11 D* --> 91Zr40 + 45Sc21 + 182.890 MeV [35.042 MeV] (A_Sn:565)
114Sn50 + 11 D* --> 93Nb41 + 43Ca20 + 179.549 MeV [31.701 MeV] (A_Sn:566)
114Sn50 + 11 D* --> 95Mo42 + 41K19 + 177.199 MeV [29.350 MeV] (A_Sn:567)
114Sn50 + 11 D* --> 96Mo42 + 40K19 + 176.258 MeV [28.409 MeV] (A_Sn:568)
114Sn50 + 11 D* --> 97Mo42 + 39K19 + 175.279 MeV [27.431 MeV] (A_Sn:569)
114Sn50 + 11 D* --> 99Ru44 + 37Cl17 + 173.311 MeV [25.462 MeV] (A_Sn:570)

114Sn50 + 11 D* --> 101Ru44 + 35Cl17 + 170.895 MeV [23.047 MeV] (A_Sn:571)
114Sn50 + 11 D* --> 103Rh45 + 33S16 + 168.540 MeV [20.692 MeV] (A_Sn:572)
114Sn50 + 11 D* --> 105Pd46 + 31P15 + 166.786 MeV [18.937 MeV] (A_Sn:573)
114Sn50 + 11 D* --> 107Ag47 + 29Si14 + 164.229 MeV [16.380 MeV] (A_Sn:574)

114Sn50 + 12 D* --> 69Ga31 + 69Ga31 + 205.723 MeV [42.542 MeV] (A_Sn:575)
114Sn50 + 12 D* --> 70Ge32 + 68Zn30 + 207.638 MeV [44.457 MeV] (A_Sn:576)
114Sn50 + 12 D* --> 72Ge32 + 66Zn30 + 208.553 MeV [45.372 MeV] (A_Sn:577)
114Sn50 + 12 D* --> 74Ge32 + 64Zn30 + 206.494 MeV [43.312 MeV] (A_Sn:578)
114Sn50 + 12 D* --> 75As33 + 63Cu29 + 205.680 MeV [42.498 MeV] (A_Sn:579)
114Sn50 + 12 D* --> 74Se34 + 64Ni28 + 206.380 MeV [43.198 MeV] (A_Sn:580)
114Sn50 + 12 D* --> 76Se34 + 62Ni28 + 209.066 MeV [45.885 MeV] (A_Sn:581)
114Sn50 + 12 D* --> 77Se34 + 61Ni28 + 205.888 MeV [42.707 MeV] (A_Sn:582)
114Sn50 + 12 D* --> 78Se34 + 60Ni28 + 208.566 MeV [45.385 MeV] (A_Sn:583)
114Sn50 + 12 D* --> 80Se34 + 58Ni28 + 205.055 MeV [41.874 MeV] (A_Sn:584)
114Sn50 + 12 D* --> 79Br35 + 59Co27 + 205.365 MeV [42.183 MeV] (A_Sn:585)
114Sn50 + 12 D* --> 80Kr36 + 58Fe26 + 207.114 MeV [43.932 MeV] (A_Sn:586)
114Sn50 + 12 D* --> 82Kr36 + 56Fe26 + 208.263 MeV [45.081 MeV] (A_Sn:587)
114Sn50 + 12 D* --> 84Kr36 + 54Fe26 + 205.751 MeV [42.570 MeV] (A_Sn:588)
114Sn50 + 12 D* --> 84Sr38 + 54Cr24 + 204.644 MeV [41.463 MeV] (A_Sn:589)
114Sn50 + 12 D* --> 86Sr38 + 52Cr24 + 207.008 MeV [43.827 MeV] (A_Sn:590)
114Sn50 + 12 D* --> 88Sr38 + 50Cr24 + 205.249 MeV [42.068 MeV] (A_Sn:591)
114Sn50 + 12 D* --> 90Zr40 + 48Ti22 + 204.323 MeV [41.141 MeV] (A_Sn:592)
114Sn50 + 12 D* --> 91Zr40 + 47Ti22 + 199.891 MeV [36.709 MeV] (A_Sn:593)
114Sn50 + 12 D* --> 92Zr40 + 46Ti22 + 199.645 MeV [36.464 MeV] (A_Sn:594)
114Sn50 + 12 D* --> 93Nb41 + 45Sc21 + 195.344 MeV [32.162 MeV] (A_Sn:595)
114Sn50 + 12 D* --> 92Mo42 + 46Ca20 + 197.008 MeV [33.826 MeV] (A_Sn:596)
114Sn50 + 12 D* --> 94Mo42 + 44Ca20 + 196.946 MeV [33.765 MeV] (A_Sn:597)
114Sn50 + 12 D* --> 95Mo42 + 43Ca20 + 193.184 MeV [30.003 MeV] (A_Sn:598)
114Sn50 + 12 D* --> 96Mo42 + 42Ca20 + 194.405 MeV [31.224 MeV] (A_Sn:599)
114Sn50 + 12 D* --> 98Mo42 + 40Ca20 + 190.026 MeV [26.844 MeV] (A_Sn:600)
114Sn50 + 12 D* --> 98Ru44 + 40Ar18 + 190.332 MeV [27.151 MeV] (A_Sn:601)
114Sn50 + 12 D* --> 100Ru44 + 38Ar18 + 191.001 MeV [27.820 MeV] (A_Sn:602)
114Sn50 + 12 D* --> 102Ru44 + 36Ar18 + 186.397 MeV [23.216 MeV] (A_Sn:603)
114Sn50 + 12 D* --> 103Rh45 + 35Cl17 + 184.103 MeV [20.922 MeV] (A_Sn:604)
114Sn50 + 12 D* --> 102Pd46 + 36S16 + 185.657 MeV [22.476 MeV] (A_Sn:605)
114Sn50 + 12 D* --> 104Pd46 + 34S16 + 186.390 MeV [23.208 MeV] (A_Sn:606)
114Sn50 + 12 D* --> 105Pd46 + 33S16 + 182.067 MeV [18.885 MeV] (A_Sn:607)
114Sn50 + 12 D* --> 106Pd46 + 32S16 + 182.986 MeV [19.805 MeV] (A_Sn:608)
114Sn50 + 12 D* --> 107Ag47 + 31P15 + 179.910 MeV [16.729 MeV] (A_Sn:609)
114Sn50 + 12 D* --> 108Cd48 + 30Si14 + 180.753 MeV [17.572 MeV] (A_Sn:610)
114Sn50 + 12 D* --> 110Cd48 + 28Si14 + 178.914 MeV [15.732 MeV] (A_Sn:611)
114Sn50 + 12 D* --> 112Sn50 + 26Mg12 + 171.944 MeV [8.762 MeV] (A_Sn:612)
114Sn50 + 12 D* --> 114Sn50 + 24Mg12 + 171.562 MeV [8.381 MeV] (A_Sn:613)

115Sn50 + D* --> 69Ga31 + 48Ca20 + 36.642 MeV [24.865 MeV] (A_Sn:614)
115Sn50 + D* --> 71Ga31 + 46Ca20 + 36.375 MeV [24.598 MeV] (A_Sn:615)
115Sn50 + D* --> 76Ge32 + 41K19 + 31.872 MeV [20.095 MeV] (A_Sn:616)
115Sn50 + D* --> 80Se34 + 37Cl17 + 32.621 MeV [20.844 MeV] (A_Sn:617)
115Sn50 + D* --> 82Se34 + 35Cl17 + 29.707 MeV [17.930 MeV] (A_Sn:618)
115Sn50 + D* --> 81Br35 + 36S16 + 31.739 MeV [19.962 MeV] (A_Sn:619)
115Sn50 + D* --> 86Kr36 + 31P15 + 30.806 MeV [19.029 MeV] (A_Sn:620)
115Sn50 + D* --> 87Rb37 + 30Si14 + 32.130 MeV [20.354 MeV] (A_Sn:621)
115Sn50 + D* --> 94Zr40 + 23Na11 + 19.896 MeV [8.120 MeV] (A_Sn:622)

115Sn50 + D* --> 98Mo42 + 19F9 + 12.699 MeV [00.922 MeV] (A_Sn:623)
115Sn50 + D* --> 102Ru44 + 15N7 + 12.096 MeV [00.320 MeV] (A_Sn:624)
115Sn50 + D* --> 106Pd46 + 11B5 + 4.334 MeV [-7.443 MeV] (A_Sn:625)
115Sn50 + D* --> 113In49 + 4He2 + 10.044 MeV [-1.732 MeV] (A_Sn:626)
115Sn50 + D* --> 116Sn50 + 1H1 + 7.339 MeV [-4.438 MeV] (A_Sn:627)

115Sn50 + 2 D* --> 70Zn30 + 49Ti22 + 54.359 MeV [30.470 MeV] (A_Sn:628)
115Sn50 + 2 D* --> 73Ge32 + 46Ca20 + 50.668 MeV [26.779 MeV] (A_Sn:629)
115Sn50 + 2 D* --> 76Ge32 + 43Ca20 + 47.857 MeV [23.968 MeV] (A_Sn:630)
115Sn50 + 2 D* --> 83Kr36 + 36S16 + 46.881 MeV [22.992 MeV] (A_Sn:631)
115Sn50 + 2 D* --> 86Kr36 + 33S16 + 46.087 MeV [22.198 MeV] (A_Sn:632)
115Sn50 + 2 D* --> 94Zr40 + 25Mg12 + 36.695 MeV [12.806 MeV] (A_Sn:633)
115Sn50 + 2 D* --> 97Mo42 + 22Ne10 + 31.801 MeV [7.911 MeV] (A_Sn:634)
115Sn50 + 2 D* --> 98Mo42 + 21Ne10 + 30.079 MeV [6.190 MeV] (A_Sn:635)
115Sn50 + 2 D* --> 101Ru44 + 18O8 + 24.967 MeV [1.077 MeV] (A_Sn:636)
115Sn50 + 2 D* --> 102Ru44 + 17O8 + 26.142 MeV [2.253 MeV] (A_Sn:637)
115Sn50 + 2 D* --> 106Pd46 + 13C6 + 23.013 MeV [-0.876 MeV] (A_Sn:638)
115Sn50 + 2 D* --> 109Ag47 + 10B5 + 12.907 MeV [-10.982 MeV] (A_Sn:639)
115Sn50 + 2 D* --> 110Cd48 + 9Be4 + 15.241 MeV [-8.649 MeV] (A_Sn:640)
115Sn50 + 2 D* --> 113In49 + 6Li3 + 11.518 MeV [-12.371 MeV] (A_Sn:641)
115Sn50 + 2 D* --> 115Sn50 + 4He2 + 23.847 MeV [-0.043 MeV] (A_Sn:642)
115Sn50 + 2 D* --> 116Sn50 + 3He2 + 12.832 MeV [-11.057 MeV] (A_Sn:643)

115Sn50 + 3 D* --> 70Zn30 + 51V23 + 71.137 MeV [34.803 MeV] (A_Sn:644)
115Sn50 + 3 D* --> 71Ga31 + 50Ti22 + 70.938 MeV [34.604 MeV] (A_Sn:645)
115Sn50 + 3 D* --> 76Ge32 + 45Sc21 + 63.652 MeV [27.318 MeV] (A_Sn:646)
115Sn50 + 3 D* --> 75As33 + 46Ca20 + 65.539 MeV [29.205 MeV] (A_Sn:647)
115Sn50 + 3 D* --> 80Se34 + 41K19 + 62.690 MeV [26.356 MeV] (A_Sn:648)
115Sn50 + 3 D* --> 82Se34 + 39K19 + 60.772 MeV [24.438 MeV] (A_Sn:649)
115Sn50 + 3 D* --> 81Br35 + 40Ar18 + 62.386 MeV [26.052 MeV] (A_Sn:650)
115Sn50 + 3 D* --> 84Kr36 + 37Cl17 + 63.564 MeV [27.230 MeV] (A_Sn:651)
115Sn50 + 3 D* --> 86Kr36 + 35Cl17 + 61.650 MeV [25.316 MeV] (A_Sn:652)
115Sn50 + 3 D* --> 85Rb37 + 36S16 + 62.203 MeV [25.868 MeV] (A_Sn:653)
115Sn50 + 3 D* --> 87Rb37 + 34S16 + 63.901 MeV [27.567 MeV] (A_Sn:654)
115Sn50 + 3 D* --> 94Zr40 + 27Al13 + 53.835 MeV [17.501 MeV] (A_Sn:655)
115Sn50 + 3 D* --> 98Mo42 + 23Na11 + 47.013 MeV [10.679 MeV] (A_Sn:656)
115Sn50 + 3 D* --> 102Ru44 + 19F9 + 39.957 MeV [3.622 MeV] (A_Sn:657)
115Sn50 + 3 D* --> 103Rh45 + 18O8 + 38.175 MeV [1.841 MeV] (A_Sn:658)
115Sn50 + 3 D* --> 106Pd46 + 15N7 + 39.172 MeV [2.838 MeV] (A_Sn:659)
115Sn50 + 3 D* --> 109Ag47 + 12C6 + 38.094 MeV [1.760 MeV] (A_Sn:660)
115Sn50 + 3 D* --> 110Cd48 + 11B5 + 31.056 MeV [-5.278 MeV] (A_Sn:661)
115Sn50 + 3 D* --> 111Cd48 + 10B5 + 26.578 MeV [-9.756 MeV] (A_Sn:662)
115Sn50 + 3 D* --> 114Sn50 + 7Li3 + 25.024 MeV [-11.310 MeV] (A_Sn:663)
115Sn50 + 3 D* --> 115Sn50 + 6Li3 + 25.320 MeV [-11.014 MeV] (A_Sn:664)
115Sn50 + 3 D* --> 120Te52 + 1H1 + 31.487 MeV [-4.847 MeV] (A_Sn:665)

115Sn50 + 4 D* --> 70Zn30 + 53Cr24 + 87.356 MeV [38.248 MeV] (A_Sn:666)
115Sn50 + 4 D* --> 73Ge32 + 50Ti22 + 85.231 MeV [36.123 MeV] (A_Sn:667)
115Sn50 + 4 D* --> 74Ge32 + 49Ti22 + 84.488 MeV [35.380 MeV] (A_Sn:668)
115Sn50 + 4 D* --> 76Ge32 + 47Ti22 + 80.652 MeV [31.544 MeV] (A_Sn:669)
115Sn50 + 4 D* --> 77Se34 + 46Ca20 + 80.242 MeV [31.133 MeV] (A_Sn:670)
115Sn50 + 4 D* --> 80Se34 + 43Ca20 + 78.675 MeV [29.567 MeV] (A_Sn:671)
115Sn50 + 4 D* --> 83Kr36 + 40Ar18 + 77.529 MeV [28.420 MeV] (A_Sn:672)
115Sn50 + 4 D* --> 87Sr38 + 36S16 + 78.051 MeV [28.943 MeV] (A_Sn:673)

115Sn50 + 4 D* --> 94Zr40 + 29Si14 + 71.669 MeV [22.561 MeV] (A_Sn:674)
115Sn50 + 4 D* --> 97Mo42 + 26Mg12 + 66.262 MeV [17.154 MeV] (A_Sn:675)
115Sn50 + 4 D* --> 98Mo42 + 25Mg12 + 63.811 MeV [14.703 MeV] (A_Sn:676)
115Sn50 + 4 D* --> 101Ru44 + 22Ne10 + 58.481 MeV [9.373 MeV] (A_Sn:677)
115Sn50 + 4 D* --> 102Ru44 + 21Ne10 + 57.337 MeV [8.229 MeV] (A_Sn:678)
115Sn50 + 4 D* --> 105Pd46 + 18O8 + 51.701 MeV [2.593 MeV] (A_Sn:679)
115Sn50 + 4 D* --> 106Pd46 + 17O8 + 53.218 MeV [4.110 MeV] (A_Sn:680)
115Sn50 + 4 D* --> 109Ag47 + 14N7 + 48.366 MeV [-0.742 MeV] (A_Sn:681)
115Sn50 + 4 D* --> 110Cd48 + 13C6 + 49.735 MeV [00.627 MeV] (A_Sn:682)
115Sn50 + 4 D* --> 111Cd48 + 12C6 + 51.764 MeV [2.656 MeV] (A_Sn:683)
115Sn50 + 4 D* --> 113In49 + 10B5 + 39.826 MeV [-9.282 MeV] (A_Sn:684)
115Sn50 + 4 D* --> 114Sn50 + 9Be4 + 41.720 MeV [-7.388 MeV] (A_Sn:685)
115Sn50 + 4 D* --> 120Te52 + 3He2 + 36.980 MeV [-12.128 MeV] (A_Sn:686)

115Sn50 + 5 D* --> 70Zn30 + 55Mn25 + 102.918 MeV [40.710 MeV] (A_Sn:687)
115Sn50 + 5 D* --> 71Ga31 + 54Cr24 + 102.715 MeV [40.507 MeV] (A_Sn:688)
115Sn50 + 5 D* --> 74Ge32 + 51V23 + 101.266 MeV [39.058 MeV] (A_Sn:689)
115Sn50 + 5 D* --> 75As33 + 50Ti22 + 100.102 MeV [37.894 MeV] (A_Sn:690)
115Sn50 + 5 D* --> 80Se34 + 45Sc21 + 94.470 MeV [32.262 MeV] (A_Sn:691)
115Sn50 + 5 D* --> 79Br35 + 46Ca20 + 94.846 MeV [32.638 MeV] (A_Sn:692)
115Sn50 + 5 D* --> 81Br35 + 44Ca20 + 95.086 MeV [32.878 MeV] (A_Sn:693)
115Sn50 + 5 D* --> 84Kr36 + 41K19 + 93.633 MeV [31.425 MeV] (A_Sn:694)
115Sn50 + 5 D* --> 86Kr36 + 39K19 + 92.715 MeV [30.507 MeV] (A_Sn:695)
115Sn50 + 5 D* --> 85Rb37 + 40Ar18 + 92.850 MeV [30.642 MeV] (A_Sn:696)
115Sn50 + 5 D* --> 87Rb37 + 38Ar18 + 94.955 MeV [32.747 MeV] (A_Sn:697)
115Sn50 + 5 D* --> 88Sr38 + 37Cl17 + 95.326 MeV [33.118 MeV] (A_Sn:698)
115Sn50 + 5 D* --> 89Y39 + 36S16 + 94.008 MeV [31.800 MeV] (A_Sn:699)
115Sn50 + 5 D* --> 94Zr40 + 31P15 + 87.350 MeV [25.142 MeV] (A_Sn:700)
115Sn50 + 5 D* --> 98Mo42 + 27Al13 + 80.951 MeV [18.743 MeV] (A_Sn:701)
115Sn50 + 5 D* --> 102Ru44 + 23Na11 + 74.271 MeV [12.063 MeV] (A_Sn:702)
115Sn50 + 5 D* --> 103Rh45 + 22Ne10 + 71.690 MeV [9.482 MeV] (A_Sn:703)
115Sn50 + 5 D* --> 106Pd46 + 19F9 + 67.032 MeV [4.824 MeV] (A_Sn:704)
115Sn50 + 5 D* --> 107Ag47 + 18O8 + 64.826 MeV [2.618 MeV] (A_Sn:705)
115Sn50 + 5 D* --> 109Ag47 + 16O8 + 69.102 MeV [6.894 MeV] (A_Sn:706)
115Sn50 + 5 D* --> 110Cd48 + 15N7 + 65.894 MeV [3.686 MeV] (A_Sn:707)
115Sn50 + 5 D* --> 111Cd48 + 14N7 + 62.037 MeV [-0.171 MeV] (A_Sn:708)
115Sn50 + 5 D* --> 113In49 + 12C6 + 65.012 MeV [2.804 MeV] (A_Sn:709)
115Sn50 + 5 D* --> 114Sn50 + 11B5 + 57.536 MeV [-4.672 MeV] (A_Sn:710)
115Sn50 + 5 D* --> 115Sn50 + 10B5 + 53.628 MeV [-8.580 MeV] (A_Sn:711)
115Sn50 + 5 D* --> 124Xe54 + 1H1 + 56.014 MeV [-6.194 MeV] (A_Sn:712)

115Sn50 + 6 D* --> 70Zn30 + 57Fe26 + 118.523 MeV [42.892 MeV] (A_Sn:713)
115Sn50 + 6 D* --> 73Ge32 + 54Cr24 + 117.008 MeV [41.378 MeV] (A_Sn:714)
115Sn50 + 6 D* --> 74Ge32 + 53Cr24 + 117.486 MeV [41.855 MeV] (A_Sn:715)
115Sn50 + 6 D* --> 77Se34 + 50Ti22 + 114.805 MeV [39.174 MeV] (A_Sn:716)
115Sn50 + 6 D* --> 78Se34 + 49Ti22 + 114.363 MeV [38.732 MeV] (A_Sn:717)
115Sn50 + 6 D* --> 80Se34 + 47Ti22 + 111.471 MeV [35.840 MeV] (A_Sn:718)
115Sn50 + 6 D* --> 83Kr36 + 44Ca20 + 110.229 MeV [34.598 MeV] (A_Sn:719)
115Sn50 + 6 D* --> 84Kr36 + 43Ca20 + 109.618 MeV [33.987 MeV] (A_Sn:720)
115Sn50 + 6 D* --> 87Rb37 + 40K19 + 106.911 MeV [31.281 MeV] (A_Sn:721)
115Sn50 + 6 D* --> 87Sr38 + 40Ar18 + 108.699 MeV [33.068 MeV] (A_Sn:722)
115Sn50 + 6 D* --> 91Zr40 + 36S16 + 107.333 MeV [31.702 MeV] (A_Sn:723)
115Sn50 + 6 D* --> 94Zr40 + 33S16 + 102.631 MeV [27.000 MeV] (A_Sn:724)
115Sn50 + 6 D* --> 97Mo42 + 30Si14 + 100.752 MeV [25.121 MeV] (A_Sn:725)

115Sn50 + 6 D* --> 98Mo42 + 29Si14 + 98.785 MeV [23.154 MeV] (A_Sn:726)
115Sn50 + 6 D* --> 101Ru44 + 26Mg12 + 92.943 MeV [17.312 MeV] (A_Sn:727)
115Sn50 + 6 D* --> 102Ru44 + 25Mg12 + 91.069 MeV [15.438 MeV] (A_Sn:728)
115Sn50 + 6 D* --> 105Pd46 + 22Ne10 + 85.216 MeV [9.585 MeV] (A_Sn:729)
115Sn50 + 6 D* --> 106Pd46 + 21Ne10 + 84.413 MeV [8.782 MeV] (A_Sn:730)
115Sn50 + 6 D* --> 110Cd48 + 17O8 + 79.940 MeV [4.309 MeV] (A_Sn:731)
115Sn50 + 6 D* --> 111Cd48 + 16O8 + 82.773 MeV [7.142 MeV] (A_Sn:732)
115Sn50 + 6 D* --> 113In49 + 14N7 + 75.285 MeV [-0.346 MeV] (A_Sn:733)
115Sn50 + 6 D* --> 114Sn50 + 13C6 + 76.214 MeV [00.583 MeV] (A_Sn:734)
115Sn50 + 6 D* --> 115Sn50 + 12C6 + 78.814 MeV [3.184 MeV] (A_Sn:735)
115Sn50 + 6 D* --> 124Xe54 + 3He2 + 61.507 MeV [-14.124 MeV] (A_Sn:736)

115Sn50 + 7 D* --> 65Cu29 + 64Ni28 + 136.277 MeV [46.904 MeV] (A_Sn:737)
115Sn50 + 7 D* --> 70Zn30 + 59Co27 + 133.707 MeV [44.334 MeV] (A_Sn:738)
115Sn50 + 7 D* --> 71Ga31 + 58Fe26 + 134.208 MeV [44.834 MeV] (A_Sn:739)
115Sn50 + 7 D* --> 74Ge32 + 55Mn25 + 133.047 MeV [43.674 MeV] (A_Sn:740)
115Sn50 + 7 D* --> 75As33 + 54Cr24 + 131.879 MeV [42.506 MeV] (A_Sn:741)
115Sn50 + 7 D* --> 78Se34 + 51V23 + 131.142 MeV [41.768 MeV] (A_Sn:742)
115Sn50 + 7 D* --> 79Br35 + 50Ti22 + 129.409 MeV [40.036 MeV] (A_Sn:743)
115Sn50 + 7 D* --> 81Br35 + 48Ti22 + 128.377 MeV [39.003 MeV] (A_Sn:744)
115Sn50 + 7 D* --> 84Kr36 + 45Sc21 + 125.413 MeV [36.039 MeV] (A_Sn:745)
115Sn50 + 7 D* --> 85Rb37 + 44Ca20 + 125.550 MeV [36.176 MeV] (A_Sn:746)
115Sn50 + 7 D* --> 87Rb37 + 42Ca20 + 125.059 MeV [35.685 MeV] (A_Sn:747)
115Sn50 + 7 D* --> 88Sr38 + 41K19 + 125.395 MeV [36.021 MeV] (A_Sn:748)
115Sn50 + 7 D* --> 89Y39 + 40Ar18 + 124.656 MeV [35.282 MeV] (A_Sn:749)
115Sn50 + 7 D* --> 92Zr40 + 37Cl17 + 122.129 MeV [32.756 MeV] (A_Sn:750)
115Sn50 + 7 D* --> 94Zr40 + 35Cl17 + 118.194 MeV [28.821 MeV] (A_Sn:751)
115Sn50 + 7 D* --> 93Nb41 + 36S16 + 119.786 MeV [30.413 MeV] (A_Sn:752)
115Sn50 + 7 D* --> 98Mo42 + 31P15 + 114.467 MeV [25.093 MeV] (A_Sn:753)
115Sn50 + 7 D* --> 102Ru44 + 27Al13 + 108.209 MeV [18.835 MeV] (A_Sn:754)
115Sn50 + 7 D* --> 103Rh45 + 26Mg12 + 106.151 MeV [16.777 MeV] (A_Sn:755)
115Sn50 + 7 D* --> 106Pd46 + 23Na11 + 101.346 MeV [11.973 MeV] (A_Sn:756)
115Sn50 + 7 D* --> 107Ag47 + 22Ne10 + 98.341 MeV [8.967 MeV] (A_Sn:757)
115Sn50 + 7 D* --> 109Ag47 + 20Ne10 + 97.679 MeV [8.305 MeV] (A_Sn:758)
115Sn50 + 7 D* --> 110Cd48 + 19F9 + 93.754 MeV [4.381 MeV] (A_Sn:759)
115Sn50 + 7 D* --> 113In49 + 16O8 + 96.021 MeV [6.647 MeV] (A_Sn:760)
115Sn50 + 7 D* --> 114Sn50 + 15N7 + 92.374 MeV [3.000 MeV] (A_Sn:761)
115Sn50 + 7 D* --> 115Sn50 + 14N7 + 89.087 MeV [-0.287 MeV] (A_Sn:762)

115Sn50 + 8 D* --> 67Zn30 + 64Ni28 + 150.030 MeV [46.596 MeV] (A_Sn:763)
115Sn50 + 8 D* --> 70Zn30 + 61Ni28 + 148.835 MeV [45.402 MeV] (A_Sn:764)
115Sn50 + 8 D* --> 73Ge32 + 58Fe26 + 148.501 MeV [45.067 MeV] (A_Sn:765)
115Sn50 + 8 D* --> 74Ge32 + 57Fe26 + 148.652 MeV [45.219 MeV] (A_Sn:766)
115Sn50 + 8 D* --> 77Se34 + 54Cr24 + 146.582 MeV [43.149 MeV] (A_Sn:767)
115Sn50 + 8 D* --> 78Se34 + 53Cr24 + 147.361 MeV [43.927 MeV] (A_Sn:768)
115Sn50 + 8 D* --> 81Br35 + 50V23 + 142.246 MeV [38.813 MeV] (A_Sn:769)
115Sn50 + 8 D* --> 82Kr36 + 49Ti22 + 144.198 MeV [40.765 MeV] (A_Sn:770)
115Sn50 + 8 D* --> 83Kr36 + 48Ti22 + 143.519 MeV [40.086 MeV] (A_Sn:771)
115Sn50 + 8 D* --> 84Kr36 + 47Ti22 + 142.413 MeV [38.980 MeV] (A_Sn:772)
115Sn50 + 8 D* --> 87Sr38 + 44Ca20 + 141.399 MeV [37.965 MeV] (A_Sn:773)
115Sn50 + 8 D* --> 88Sr38 + 43Ca20 + 141.380 MeV [37.947 MeV] (A_Sn:774)
115Sn50 + 8 D* --> 91Zr40 + 40Ar18 + 137.980 MeV [34.547 MeV] (A_Sn:775)
115Sn50 + 8 D* --> 95Mo42 + 36S16 + 133.421 MeV [29.988 MeV] (A_Sn:776)
115Sn50 + 8 D* --> 97Mo42 + 34S16 + 132.522 MeV [29.089 MeV] (A_Sn:777)

115Sn50 + 8 D* --> 98Mo42 + 33S16 + 129.748 MeV [26.314 MeV] (A_Sn:778)
115Sn50 + 8 D* --> 101Ru44 + 30Si14 + 127.432 MeV [23.999 MeV] (A_Sn:779)
115Sn50 + 8 D* --> 102Ru44 + 29Si14 + 126.043 MeV [22.610 MeV] (A_Sn:780)
115Sn50 + 8 D* --> 105Pd46 + 26Mg12 + 119.677 MeV [16.244 MeV] (A_Sn:781)
115Sn50 + 8 D* --> 106Pd46 + 25Mg12 + 118.145 MeV [14.712 MeV] (A_Sn:782)
115Sn50 + 8 D* --> 110Cd48 + 21Ne10 + 111.135 MeV [7.701 MeV] (A_Sn:783)
115Sn50 + 8 D* --> 111Cd48 + 20Ne10 + 111.349 MeV [7.916 MeV] (A_Sn:784)
115Sn50 + 8 D* --> 114Sn50 + 17O8 + 106.420 MeV [2.986 MeV] (A_Sn:785)
115Sn50 + 8 D* --> 115Sn50 + 16O8 + 109.823 MeV [6.390 MeV] (A_Sn:786)

115Sn50 + 9 D* --> 68Zn30 + 65Cu29 + 165.456 MeV [47.649 MeV] (A_Sn:787)
115Sn50 + 9 D* --> 70Zn30 + 63Cu29 + 163.330 MeV [45.522 MeV] (A_Sn:788)
115Sn50 + 9 D* --> 69Ga31 + 64Ni28 + 164.613 MeV [46.805 MeV] (A_Sn:789)
115Sn50 + 9 D* --> 71Ga31 + 62Ni28 + 165.072 MeV [47.264 MeV] (A_Sn:790)
115Sn50 + 9 D* --> 74Ge32 + 59Co27 + 163.836 MeV [46.029 MeV] (A_Sn:791)
115Sn50 + 9 D* --> 75As33 + 58Fe26 + 163.371 MeV [45.564 MeV] (A_Sn:792)
115Sn50 + 9 D* --> 78Se34 + 55Mn25 + 162.922 MeV [45.115 MeV] (A_Sn:793)
115Sn50 + 9 D* --> 79Br35 + 54Cr24 + 161.187 MeV [43.379 MeV] (A_Sn:794)
115Sn50 + 9 D* --> 81Br35 + 52Cr24 + 161.577 MeV [43.770 MeV] (A_Sn:795)
115Sn50 + 9 D* --> 82Kr36 + 51V23 + 160.976 MeV [43.169 MeV] (A_Sn:796)
115Sn50 + 9 D* --> 83Kr36 + 50V23 + 157.389 MeV [39.581 MeV] (A_Sn:797)
115Sn50 + 9 D* --> 85Rb37 + 48Ti22 + 158.841 MeV [41.033 MeV] (A_Sn:798)
115Sn50 + 9 D* --> 87Rb37 + 46Ti22 + 156.907 MeV [39.099 MeV] (A_Sn:799)
115Sn50 + 9 D* --> 88Sr38 + 45Sc21 + 157.175 MeV [39.368 MeV] (A_Sn:800)
115Sn50 + 9 D* --> 89Y39 + 44Ca20 + 157.356 MeV [39.548 MeV] (A_Sn:801)
115Sn50 + 9 D* --> 92Zr40 + 41K19 + 152.198 MeV [34.391 MeV] (A_Sn:802)
115Sn50 + 9 D* --> 94Zr40 + 39K19 + 149.259 MeV [31.452 MeV] (A_Sn:803)
115Sn50 + 9 D* --> 93Nb41 + 40Ar18 + 150.434 MeV [32.626 MeV] (A_Sn:804)
115Sn50 + 9 D* --> 96Mo42 + 37Cl17 + 148.738 MeV [30.930 MeV] (A_Sn:805)
115Sn50 + 9 D* --> 98Mo42 + 35Cl17 + 145.311 MeV [27.503 MeV] (A_Sn:806)
115Sn50 + 9 D* --> 102Ru44 + 31P15 + 141.724 MeV [23.917 MeV] (A_Sn:807)
115Sn50 + 9 D* --> 103Rh45 + 30Si14 + 140.641 MeV [22.833 MeV] (A_Sn:808)
115Sn50 + 9 D* --> 106Pd46 + 27Al13 + 135.285 MeV [17.477 MeV] (A_Sn:809)
115Sn50 + 9 D* --> 107Ag47 + 26Mg12 + 132.802 MeV [14.994 MeV] (A_Sn:810)
115Sn50 + 9 D* --> 109Ag47 + 24Mg12 + 130.842 MeV [13.034 MeV] (A_Sn:811)
115Sn50 + 9 D* --> 110Cd48 + 23Na11 + 128.068 MeV [10.261 MeV] (A_Sn:812)
115Sn50 + 9 D* --> 113In49 + 20Ne10 + 124.597 MeV [6.790 MeV] (A_Sn:813)
115Sn50 + 9 D* --> 114Sn50 + 19F9 + 120.234 MeV [2.426 MeV] (A_Sn:814)

115Sn50 + 10 D* --> 68Zn30 + 67Zn30 + 179.209 MeV [46.716 MeV] (A_Sn:815)
115Sn50 + 10 D* --> 73Ge32 + 62Ni28 + 179.365 MeV [46.872 MeV] (A_Sn:816)
115Sn50 + 10 D* --> 74Ge32 + 61Ni28 + 178.965 MeV [46.471 MeV] (A_Sn:817)
115Sn50 + 10 D* --> 77Se34 + 58Fe26 + 178.074 MeV [45.581 MeV] (A_Sn:818)
115Sn50 + 10 D* --> 78Se34 + 57Fe26 + 178.527 MeV [46.034 MeV] (A_Sn:819)
115Sn50 + 10 D* --> 82Kr36 + 53Cr24 + 177.195 MeV [44.702 MeV] (A_Sn:820)
115Sn50 + 10 D* --> 83Kr36 + 52Cr24 + 176.720 MeV [44.227 MeV] (A_Sn:821)
115Sn50 + 10 D* --> 85Rb37 + 50V23 + 172.710 MeV [40.217 MeV] (A_Sn:822)
115Sn50 + 10 D* --> 86Sr38 + 49Ti22 + 174.404 MeV [41.911 MeV] (A_Sn:823)
115Sn50 + 10 D* --> 87Sr38 + 48Ti22 + 174.689 MeV [42.196 MeV] (A_Sn:824)
115Sn50 + 10 D* --> 88Sr38 + 47Ti22 + 174.175 MeV [41.682 MeV] (A_Sn:825)
115Sn50 + 10 D* --> 91Zr40 + 44Ca20 + 170.680 MeV [38.187 MeV] (A_Sn:826)
115Sn50 + 10 D* --> 92Zr40 + 43Ca20 + 168.184 MeV [35.691 MeV] (A_Sn:827)
115Sn50 + 10 D* --> 95Mo42 + 40Ar18 + 164.069 MeV [31.576 MeV] (A_Sn:828)
115Sn50 + 10 D* --> 97Mo42 + 38Ar18 + 163.576 MeV [31.083 MeV] (A_Sn:829)

115Sn50 + 10 D* --> 99Ru44 + 36S16 + 159.602 MeV [27.109 MeV] (A_Sn:830)
115Sn50 + 10 D* --> 101Ru44 + 34S16 + 159.203 MeV [26.710 MeV] (A_Sn:831)
115Sn50 + 10 D* --> 102Ru44 + 33S16 + 157.005 MeV [24.512 MeV] (A_Sn:832)
115Sn50 + 10 D* --> 105Pd46 + 30Si14 + 154.167 MeV [21.674 MeV] (A_Sn:833)
115Sn50 + 10 D* --> 106Pd46 + 29Si14 + 153.119 MeV [20.626 MeV] (A_Sn:834)
115Sn50 + 10 D* --> 110Cd48 + 25Mg12 + 144.867 MeV [12.374 MeV] (A_Sn:835)
115Sn50 + 10 D* --> 111Cd48 + 24Mg12 + 144.512 MeV [12.019 MeV] (A_Sn:836)
115Sn50 + 10 D* --> 114Sn50 + 21Ne10 + 137.614 MeV [5.121 MeV] (A_Sn:837)
115Sn50 + 10 D* --> 115Sn50 + 20Ne10 + 138.399 MeV [5.906 MeV] (A_Sn:838)

115Sn50 + 11 D* --> 69Ga31 + 68Zn30 + 193.792 MeV [46.304 MeV] (A_Sn:839)
115Sn50 + 11 D* --> 71Ga31 + 66Zn30 + 193.497 MeV [46.009 MeV] (A_Sn:840)
115Sn50 + 11 D* --> 72Ge32 + 65Cu29 + 194.307 MeV [46.819 MeV] (A_Sn:841)
115Sn50 + 11 D* --> 74Ge32 + 63Cu29 + 193.459 MeV [45.971 MeV] (A_Sn:842)
115Sn50 + 11 D* --> 75As33 + 62Ni28 + 194.235 MeV [46.748 MeV] (A_Sn:843)
115Sn50 + 11 D* --> 78Se34 + 59Co27 + 193.711 MeV [46.224 MeV] (A_Sn:844)
115Sn50 + 11 D* --> 79Br35 + 58Fe26 + 192.679 MeV [45.191 MeV] (A_Sn:845)
115Sn50 + 11 D* --> 81Br35 + 56Fe26 + 193.037 MeV [45.549 MeV] (A_Sn:846)
115Sn50 + 11 D* --> 82Kr36 + 55Mn25 + 192.757 MeV [45.269 MeV] (A_Sn:847)
115Sn50 + 11 D* --> 85Rb37 + 52Cr24 + 192.041 MeV [44.553 MeV] (A_Sn:848)
115Sn50 + 11 D* --> 87Rb37 + 50Cr24 + 189.314 MeV [41.826 MeV] (A_Sn:849)
115Sn50 + 11 D* --> 86Sr38 + 51V23 + 191.182 MeV [43.694 MeV] (A_Sn:850)
115Sn50 + 11 D* --> 87Sr38 + 50V23 + 188.559 MeV [41.071 MeV] (A_Sn:851)
115Sn50 + 11 D* --> 89Y39 + 48Ti22 + 190.646 MeV [43.159 MeV] (A_Sn:852)
115Sn50 + 11 D* --> 92Zr40 + 45Sc21 + 183.979 MeV [36.491 MeV] (A_Sn:853)
115Sn50 + 11 D* --> 93Nb41 + 44Ca20 + 183.134 MeV [35.646 MeV] (A_Sn:854)
115Sn50 + 11 D* --> 96Mo42 + 41K19 + 178.807 MeV [31.319 MeV] (A_Sn:855)
115Sn50 + 11 D* --> 97Mo42 + 40K19 + 175.533 MeV [28.045 MeV] (A_Sn:856)
115Sn50 + 11 D* --> 98Mo42 + 39K19 + 176.376 MeV [28.888 MeV] (A_Sn:857)
115Sn50 + 11 D* --> 100Ru44 + 37Cl17 + 175.437 MeV [27.950 MeV] (A_Sn:858)
115Sn50 + 11 D* --> 102Ru44 + 35Cl17 + 172.569 MeV [25.081 MeV] (A_Sn:859)
115Sn50 + 11 D* --> 103Rh45 + 34S16 + 172.411 MeV [24.923 MeV] (A_Sn:860)
115Sn50 + 11 D* --> 106Pd46 + 31P15 + 168.800 MeV [21.312 MeV] (A_Sn:861)
115Sn50 + 11 D* --> 107Ag47 + 30Si14 + 167.292 MeV [19.804 MeV] (A_Sn:862)
115Sn50 + 11 D* --> 109Ag47 + 28Si14 + 164.672 MeV [17.185 MeV] (A_Sn:863)
115Sn50 + 11 D* --> 110Cd48 + 27Al13 + 162.007 MeV [14.519 MeV] (A_Sn:864)
115Sn50 + 11 D* --> 113In49 + 24Mg12 + 157.760 MeV [10.272 MeV] (A_Sn:865)
115Sn50 + 11 D* --> 114Sn50 + 23Na11 + 154.548 MeV [7.060 MeV] (A_Sn:866)

115Sn50 + 12 D* --> 72Ge32 + 67Zn30 + 208.059 MeV [45.270 MeV] (A_Sn:867)
115Sn50 + 12 D* --> 73Ge32 + 66Zn30 + 207.790 MeV [45.001 MeV] (A_Sn:868)
115Sn50 + 12 D* --> 77Se34 + 62Ni28 + 208.938 MeV [46.149 MeV] (A_Sn:869)
115Sn50 + 12 D* --> 78Se34 + 61Ni28 + 208.840 MeV [46.051 MeV] (A_Sn:870)
115Sn50 + 12 D* --> 82Kr36 + 57Fe26 + 208.362 MeV [45.573 MeV] (A_Sn:871)
115Sn50 + 12 D* --> 83Kr36 + 56Fe26 + 208.180 MeV [45.391 MeV] (A_Sn:872)
115Sn50 + 12 D* --> 86Sr38 + 53Cr24 + 207.401 MeV [44.612 MeV] (A_Sn:873)
115Sn50 + 12 D* --> 87Sr38 + 52Cr24 + 207.890 MeV [45.101 MeV] (A_Sn:874)
115Sn50 + 12 D* --> 89Y39 + 50V23 + 204.516 MeV [41.727 MeV] (A_Sn:875)
115Sn50 + 12 D* --> 90Zr40 + 49Ti22 + 204.919 MeV [42.130 MeV] (A_Sn:876)
115Sn50 + 12 D* --> 91Zr40 + 48Ti22 + 203.971 MeV [41.182 MeV] (A_Sn:877)
115Sn50 + 12 D* --> 92Zr40 + 47Ti22 + 200.979 MeV [38.190 MeV] (A_Sn:878)
115Sn50 + 12 D* --> 95Mo42 + 44Ca20 + 196.769 MeV [33.980 MeV] (A_Sn:879)
115Sn50 + 12 D* --> 96Mo42 + 43Ca20 + 194.792 MeV [32.003 MeV] (A_Sn:880)
115Sn50 + 12 D* --> 97Mo42 + 42Ca20 + 193.680 MeV [30.891 MeV] (A_Sn:881)

115Sn50 + 12 D* --> 99Ru44 + 40Ar18 + 190.250 MeV [27.460 MeV] (A_Sn:882)
115Sn50 + 12 D* --> 101Ru44 + 38Ar18 + 190.257 MeV [27.468 MeV] (A_Sn:883)
115Sn50 + 12 D* --> 105Pd46 + 34S16 + 185.937 MeV [23.148 MeV] (A_Sn:884)
115Sn50 + 12 D* --> 106Pd46 + 33S16 + 184.081 MeV [21.292 MeV] (A_Sn:885)
115Sn50 + 12 D* --> 110Cd48 + 29Si14 + 179.841 MeV [17.052 MeV] (A_Sn:886)
115Sn50 + 12 D* --> 111Cd48 + 28Si14 + 178.343 MeV [15.554 MeV] (A_Sn:887)
115Sn50 + 12 D* --> 114Sn50 + 25Mg12 + 171.346 MeV [8.557 MeV] (A_Sn:888)
115Sn50 + 12 D* --> 115Sn50 + 24Mg12 + 171.562 MeV [8.773 MeV] (A_Sn:889)

116Sn50 + D* --> 104Ru44 + 14N7 + 6.833 MeV [-4.910 MeV] (A_Sn:890)
116Sn50 + D* --> 117Sn50 + 1H1 + 4.719 MeV [-7.025 MeV] (A_Sn:891)

116Sn50 + 2 D* --> 70Zn30 + 50Ti22 + 55.735 MeV [31.912 MeV] (A_Sn:892)
116Sn50 + 2 D* --> 72Ge32 + 48Ca20 + 51.543 MeV [27.721 MeV] (A_Sn:893)
116Sn50 + 2 D* --> 74Ge32 + 46Ca20 + 51.301 MeV [27.478 MeV] (A_Sn:894)
116Sn50 + 2 D* --> 76Ge32 + 44Ca20 + 49.425 MeV [25.602 MeV] (A_Sn:895)
116Sn50 + 2 D* --> 80Se34 + 40Ar18 + 47.543 MeV [23.720 MeV] (A_Sn:896)
116Sn50 + 2 D* --> 82Se34 + 38Ar18 + 47.052 MeV [23.229 MeV] (A_Sn:897)
116Sn50 + 2 D* --> 84Kr36 + 36S16 + 47.838 MeV [24.016 MeV] (A_Sn:898)
116Sn50 + 2 D* --> 86Kr36 + 34S16 + 47.941 MeV [24.118 MeV] (A_Sn:899)
116Sn50 + 2 D* --> 94Zr40 + 26Mg12 + 38.225 MeV [14.402 MeV] (A_Sn:900)
116Sn50 + 2 D* --> 96Zr40 + 24Mg12 + 34.120 MeV [10.297 MeV] (A_Sn:901)
116Sn50 + 2 D* --> 98Mo42 + 22Ne10 + 30.880 MeV [7.057 MeV] (A_Sn:902)
116Sn50 + 2 D* --> 100Mo42 + 20Ne10 + 27.970 MeV [4.147 MeV] (A_Sn:903)
116Sn50 + 2 D* --> 102Ru44 + 18O8 + 24.623 MeV [00.800 MeV] (A_Sn:904)
116Sn50 + 2 D* --> 104Ru44 + 16O8 + 27.569 MeV [3.746 MeV] (A_Sn:905)
116Sn50 + 2 D* --> 108Pd46 + 12C6 + 24.268 MeV [00.445 MeV] (A_Sn:906)
116Sn50 + 2 D* --> 109Ag47 + 11B5 + 14.798 MeV [-9.025 MeV] (A_Sn:907)
116Sn50 + 2 D* --> 111Cd48 + 9Be4 + 12.653 MeV [-11.170 MeV] (A_Sn:908)
116Sn50 + 2 D* --> 113In49 + 7Li3 + 9.205 MeV [-14.618 MeV] (A_Sn:909)
116Sn50 + 2 D* --> 116Sn50 + 4He2 + 23.847 MeV [00.024 MeV] (A_Sn:910)
116Sn50 + 2 D* --> 117Sn50 + 3He2 + 10.212 MeV [-13.611 MeV] (A_Sn:911)
116Sn50 + 2 D* --> 120Te52 + 24.148 MeV [00.325 MeV] (A_Sn:912)

116Sn50 + 3 D* --> 82Se34 + 40K19 + 59.008 MeV [22.774 MeV] (A_Sn:913)
116Sn50 + 3 D* --> 108Pd46 + 14N7 + 34.540 MeV [-1.695 MeV] (A_Sn:914)
116Sn50 + 3 D* --> 109Ag47 + 13C6 + 33.477 MeV [-2.758 MeV] (A_Sn:915)
116Sn50 + 3 D* --> 111Cd48 + 11B5 + 28.469 MeV [-7.766 MeV] (A_Sn:916)
116Sn50 + 3 D* --> 112Cd48 + 10B5 + 26.409 MeV [-9.826 MeV] (A_Sn:917)
116Sn50 + 3 D* --> 113In49 + 9Be4 + 25.901 MeV [-10.334 MeV] (A_Sn:918)
116Sn50 + 3 D* --> 115Sn50 + 7Li3 + 23.007 MeV [-13.228 MeV] (A_Sn:919)
116Sn50 + 3 D* --> 116Sn50 + 6Li3 + 25.320 MeV [-10.914 MeV] (A_Sn:920)
116Sn50 + 3 D* --> 120Te52 + 2H1 + 24.148 MeV [-12.087 MeV] (A_Sn:921)

116Sn50 + 4 D* --> 70Zn30 + 54Cr24 + 87.512 MeV [38.536 MeV] (A_Sn:922)
116Sn50 + 4 D* --> 74Ge32 + 50Ti22 + 85.864 MeV [36.888 MeV] (A_Sn:923)
116Sn50 + 4 D* --> 76Ge32 + 48Ti22 + 82.716 MeV [33.740 MeV] (A_Sn:924)
116Sn50 + 4 D* --> 76Se34 + 48Ca20 + 80.481 MeV [31.505 MeV] (A_Sn:925)
116Sn50 + 4 D* --> 78Se34 + 46Ca20 + 81.176 MeV [32.200 MeV] (A_Sn:926)
116Sn50 + 4 D* --> 80Se34 + 44Ca20 + 80.243 MeV [31.267 MeV] (A_Sn:927)
116Sn50 + 4 D* --> 82Se34 + 42Ca20 + 77.156 MeV [28.180 MeV] (A_Sn:928)
116Sn50 + 4 D* --> 84Kr36 + 40Ar18 + 78.486 MeV [29.510 MeV] (A_Sn:929)
116Sn50 + 4 D* --> 86Kr36 + 38Ar18 + 78.995 MeV [30.019 MeV] (A_Sn:930)
116Sn50 + 4 D* --> 87Rb37 + 37Cl17 + 77.374 MeV [28.398 MeV] (A_Sn:931)

116Sn50 + 4 D* --> 88Sr38 + 36S16 + 79.601 MeV [30.625 MeV] (A_Sn:932)
116Sn50 + 4 D* --> 94Zr40 + 30Si14 + 72.715 MeV [23.739 MeV] (A_Sn:933)
116Sn50 + 4 D* --> 96Zr40 + 28Si14 + 67.950 MeV [18.975 MeV] (A_Sn:934)
116Sn50 + 4 D* --> 98Mo42 + 26Mg12 + 65.341 MeV [16.365 MeV] (A_Sn:935)
116Sn50 + 4 D* --> 100Mo42 + 24Mg12 + 61.133 MeV [12.157 MeV] (A_Sn:936)
116Sn50 + 4 D* --> 102Ru44 + 22Ne10 + 58.138 MeV [9.162 MeV] (A_Sn:937)
116Sn50 + 4 D* --> 104Ru44 + 20Ne10 + 56.146 MeV [7.170 MeV] (A_Sn:938)
116Sn50 + 4 D* --> 106Pd46 + 18O8 + 51.699 MeV [2.723 MeV] (A_Sn:939)
116Sn50 + 4 D* --> 108Pd46 + 16O8 + 55.276 MeV [6.300 MeV] (A_Sn:940)
116Sn50 + 4 D* --> 109Ag47 + 15N7 + 49.636 MeV [00.660 MeV] (A_Sn:941)
116Sn50 + 4 D* --> 111Cd48 + 13C6 + 47.147 MeV [-1.828 MeV] (A_Sn:942)
116Sn50 + 4 D* --> 112Cd48 + 12C6 + 51.595 MeV [2.620 MeV] (A_Sn:943)
116Sn50 + 4 D* --> 113In49 + 11B5 + 41.716 MeV [-7.259 MeV] (A_Sn:944)
116Sn50 + 4 D* --> 115Sn50 + 9Be4 + 39.703 MeV [-9.273 MeV] (A_Sn:945)
116Sn50 + 4 D* --> 120Te52 + 4He2 + 47.994 MeV [-0.981 MeV] (A_Sn:946)
116Sn50 + 4 D* --> 124Xe54 + 48.675 MeV [-0.301 MeV] (A_Sn:947)

116Sn50 + 5 D* --> 76Ge32 + 50V23 + 96.585 MeV [34.542 MeV] (A_Sn:948)
116Sn50 + 5 D* --> 86Kr36 + 40K19 + 90.951 MeV [28.908 MeV] (A_Sn:949)
116Sn50 + 5 D* --> 109Ag47 + 17O8 + 63.682 MeV [1.639 MeV] (A_Sn:950)
116Sn50 + 5 D* --> 111Cd48 + 15N7 + 63.307 MeV [1.264 MeV] (A_Sn:951)
116Sn50 + 5 D* --> 112Cd48 + 14N7 + 61.868 MeV [-0.175 MeV] (A_Sn:952)
116Sn50 + 5 D* --> 113In49 + 13C6 + 60.395 MeV [-1.648 MeV] (A_Sn:953)
116Sn50 + 5 D* --> 115Sn50 + 11B5 + 55.519 MeV [-6.524 MeV] (A_Sn:954)
116Sn50 + 5 D* --> 116Sn50 + 10B5 + 53.628 MeV [-8.415 MeV] (A_Sn:955)
116Sn50 + 5 D* --> 120Te52 + 6Li3 + 49.468 MeV [-12.575 MeV] (A_Sn:956)
116Sn50 + 5 D* --> 124Xe54 + 2H1 + 48.675 MeV [-13.368 MeV] (A_Sn:957)

116Sn50 + 6 D* --> 64Ni28 + 64Ni28 + 121.485 MeV [46.051 MeV] (A_Sn:958)
116Sn50 + 6 D* --> 70Zn30 + 58Fe26 + 119.004 MeV [43.571 MeV] (A_Sn:959)
116Sn50 + 6 D* --> 74Ge32 + 54Cr24 + 117.641 MeV [42.208 MeV] (A_Sn:960)
116Sn50 + 6 D* --> 76Ge32 + 52Cr24 + 115.916 MeV [40.483 MeV] (A_Sn:961)
116Sn50 + 6 D* --> 78Se34 + 50Ti22 + 115.739 MeV [40.306 MeV] (A_Sn:962)
116Sn50 + 6 D* --> 80Se34 + 48Ti22 + 113.534 MeV [38.101 MeV] (A_Sn:963)
116Sn50 + 6 D* --> 82Se34 + 46Ti22 + 109.004 MeV [33.570 MeV] (A_Sn:964)
116Sn50 + 6 D* --> 80Kr36 + 48Ca20 + 109.393 MeV [33.960 MeV] (A_Sn:965)
116Sn50 + 6 D* --> 82Kr36 + 46Ca20 + 111.011 MeV [35.578 MeV] (A_Sn:966)
116Sn50 + 6 D* --> 84Kr36 + 44Ca20 + 111.186 MeV [35.752 MeV] (A_Sn:967)
116Sn50 + 6 D* --> 86Kr36 + 42Ca20 + 109.099 MeV [33.666 MeV] (A_Sn:968)
116Sn50 + 6 D* --> 87Rb37 + 41K19 + 107.443 MeV [32.010 MeV] (A_Sn:969)
116Sn50 + 6 D* --> 88Sr38 + 40Ar18 + 110.248 MeV [34.815 MeV] (A_Sn:970)
116Sn50 + 6 D* --> 92Zr40 + 36S16 + 106.404 MeV [30.971 MeV] (A_Sn:971)
116Sn50 + 6 D* --> 94Zr40 + 34S16 + 104.485 MeV [29.052 MeV] (A_Sn:972)
116Sn50 + 6 D* --> 96Zr40 + 32S16 + 98.745 MeV [23.311 MeV] (A_Sn:973)
116Sn50 + 6 D* --> 98Mo42 + 30Si14 + 99.831 MeV [24.398 MeV] (A_Sn:974)
116Sn50 + 6 D* --> 100Mo42 + 28Si14 + 94.963 MeV [19.530 MeV] (A_Sn:975)
116Sn50 + 6 D* --> 102Ru44 + 26Mg12 + 92.599 MeV [17.166 MeV] (A_Sn:976)
116Sn50 + 6 D* --> 104Ru44 + 24Mg12 + 89.309 MeV [13.875 MeV] (A_Sn:977)
116Sn50 + 6 D* --> 106Pd46 + 22Ne10 + 85.213 MeV [9.780 MeV] (A_Sn:978)
116Sn50 + 6 D* --> 108Pd46 + 20Ne10 + 83.852 MeV [8.419 MeV] (A_Sn:979)
116Sn50 + 6 D* --> 109Ag47 + 19F9 + 77.496 MeV [2.063 MeV] (A_Sn:980)
116Sn50 + 6 D* --> 110Cd48 + 18O8 + 78.421 MeV [2.987 MeV] (A_Sn:981)
116Sn50 + 6 D* --> 111Cd48 + 17O8 + 77.353 MeV [1.919 MeV] (A_Sn:982)
116Sn50 + 6 D* --> 112Cd48 + 16O8 + 82.604 MeV [7.170 MeV] (A_Sn:983)

116Sn50 + 6 D* --> 113In49 + 15N7 + 76.554 MeV [1.121 MeV] (A_Sn:984)
116Sn50 + 6 D* --> 115Sn50 + 13C6 + 74.197 MeV [-1.236 MeV] (A_Sn:985)
116Sn50 + 6 D* --> 116Sn50 + 12C6 + 78.814 MeV [3.381 MeV] (A_Sn:986)
116Sn50 + 6 D* --> 124Xe54 + 4He2 + 72.521 MeV [-2.912 MeV] (A_Sn:987)

116Sn50 + 7 D* --> 80Se34 + 50V23 + 127.403 MeV [38.260 MeV] (A_Sn:988)
116Sn50 + 7 D* --> 81Br35 + 49Ti22 + 126.956 MeV [37.812 MeV] (A_Sn:989)
116Sn50 + 7 D* --> 87Rb37 + 43Ca20 + 123.428 MeV [34.285 MeV] (A_Sn:990)
116Sn50 + 7 D* --> 109Ag47 + 21Ne10 + 94.876 MeV [5.733 MeV] (A_Sn:991)
116Sn50 + 7 D* --> 111Cd48 + 19F9 + 91.167 MeV [2.023 MeV] (A_Sn:992)
116Sn50 + 7 D* --> 113In49 + 17O8 + 90.600 MeV [1.457 MeV] (A_Sn:993)
116Sn50 + 7 D* --> 115Sn50 + 15N7 + 90.356 MeV [1.213 MeV] (A_Sn:994)
116Sn50 + 7 D* --> 116Sn50 + 14N7 + 89.087 MeV [-0.057 MeV] (A_Sn:995)
116Sn50 + 7 D* --> 120Te52 + 10B5 + 77.776 MeV [-11.368 MeV] (A_Sn:996)
116Sn50 + 7 D* --> 124Xe54 + 6Li3 + 73.995 MeV [-15.148 MeV] (A_Sn:997)

116Sn50 + 8 D* --> 68Zn30 + 64Ni28 + 150.664 MeV [47.493 MeV] (A_Sn:998)
116Sn50 + 8 D* --> 70Zn30 + 62Ni28 + 149.868 MeV [46.697 MeV] (A_Sn:999)
116Sn50 + 8 D* --> 74Ge32 + 58Fe26 + 149.134 MeV [45.962 MeV]
(A_Sn:1000)
116Sn50 + 8 D* --> 76Ge32 + 56Fe26 + 147.376 MeV [44.205 MeV]
(A_Sn:1001)
116Sn50 + 8 D* --> 78Se34 + 54Cr24 + 147.516 MeV [44.345 MeV]
(A_Sn:1002)
116Sn50 + 8 D* --> 80Se34 + 52Cr24 + 146.735 MeV [43.563 MeV]
(A_Sn:1003)
116Sn50 + 8 D* --> 82Se34 + 50Cr24 + 141.411 MeV [38.240 MeV]
(A_Sn:1004)
116Sn50 + 8 D* --> 81Br35 + 51V23 + 143.734 MeV [40.562 MeV]
(A_Sn:1005)
116Sn50 + 8 D* --> 82Kr36 + 50Ti22 + 145.574 MeV [42.402 MeV]
(A_Sn:1006)
116Sn50 + 8 D* --> 83Kr36 + 49Ti22 + 142.098 MeV [38.927 MeV]
(A_Sn:1007)
116Sn50 + 8 D* --> 84Kr36 + 48Ti22 + 144.476 MeV [41.305 MeV]
(A_Sn:1008)
116Sn50 + 8 D* --> 86Kr36 + 46Ti22 + 140.947 MeV [37.775 MeV]
(A_Sn:1009)
116Sn50 + 8 D* --> 87Rb37 + 45Sc21 + 139.223 MeV [36.052 MeV]
(A_Sn:1010)
116Sn50 + 8 D* --> 84Sr38 + 48Ca20 + 138.416 MeV [35.244 MeV]
(A_Sn:1011)
116Sn50 + 8 D* --> 86Sr38 + 46Ca20 + 141.216 MeV [38.045 MeV]
(A_Sn:1012)
116Sn50 + 8 D* --> 88Sr38 + 44Ca20 + 142.948 MeV [39.776 MeV]
(A_Sn:1013)
116Sn50 + 8 D* --> 92Zr40 + 40Ar18 + 137.051 MeV [33.880 MeV]
(A_Sn:1014)
116Sn50 + 8 D* --> 94Zr40 + 38Ar18 + 135.539 MeV [32.368 MeV]
(A_Sn:1015)
116Sn50 + 8 D* --> 96Zr40 + 36Ar18 + 129.232 MeV [26.061 MeV]
(A_Sn:1016)
116Sn50 + 8 D* --> 96Mo42 + 36S16 + 133.012 MeV [29.841 MeV]
(A_Sn:1017)

116Sn50 + 8 D* --> 98Mo42 + 34S16 + 131.601 MeV [28.430 MeV]
(A_Sn:1018)
116Sn50 + 8 D* --> 100Mo42 + 32S16 + 125.758 MeV [22.586 MeV]
(A_Sn:1019)
116Sn50 + 8 D* --> 102Ru44 + 30Si14 + 127.089 MeV [23.917 MeV]
(A_Sn:1020)
116Sn50 + 8 D* --> 104Ru44 + 28Si14 + 123.139 MeV [19.968 MeV]
(A_Sn:1021)
116Sn50 + 8 D* --> 106Pd46 + 26Mg12 + 119.675 MeV [16.503 MeV]
(A_Sn:1022)
116Sn50 + 8 D* --> 108Pd46 + 24Mg12 + 117.016 MeV [13.844 MeV]
(A_Sn:1023)
116Sn50 + 8 D* --> 109Ag47 + 23Na11 + 111.810 MeV [8.639 MeV]
(A_Sn:1024)
116Sn50 + 8 D* --> 110Cd48 + 22Ne10 + 111.935 MeV [8.764 MeV]
(A_Sn:1025)
116Sn50 + 8 D* --> 111Cd48 + 21Ne10 + 108.547 MeV [5.376 MeV]
(A_Sn:1026)
116Sn50 + 8 D* --> 112Cd48 + 20Ne10 + 111.180 MeV [8.009 MeV]
(A_Sn:1027)
116Sn50 + 8 D* --> 113In49 + 19F9 + 104.415 MeV [1.243 MeV]
(A_Sn:1028)
116Sn50 + 8 D* --> 114Sn50 + 18O8 + 104.900 MeV [1.729 MeV]
(A_Sn:1029)
116Sn50 + 8 D* --> 115Sn50 + 17O8 + 104.402 MeV [1.231 MeV]
(A_Sn:1030)
116Sn50 + 8 D* --> 116Sn50 + 16O8 + 109.823 MeV [6.651 MeV]
(A_Sn:1031)
116Sn50 + 8 D* --> 120Te52 + 12C6 + 102.962 MeV [-0.209 MeV]
(A_Sn:1032)

116Sn50 + 9 D* --> 81Br35 + 53Cr24 + 159.953 MeV [42.439 MeV]
(A_Sn:1033)
116Sn50 + 9 D* --> 83Kr36 + 51V23 + 158.876 MeV [41.363 MeV]
(A_Sn:1034)
116Sn50 + 9 D* --> 84Kr36 + 50V23 + 158.346 MeV [40.832 MeV]
(A_Sn:1035)
116Sn50 + 9 D* --> 85Rb37 + 49Ti22 + 157.420 MeV [39.906 MeV]
(A_Sn:1036)
116Sn50 + 9 D* --> 87Rb37 + 47Ti22 + 156.224 MeV [38.710 MeV]
(A_Sn:1037)
116Sn50 + 9 D* --> 94Zr40 + 40K19 + 147.495 MeV [29.982 MeV]
(A_Sn:1038)
116Sn50 + 9 D* --> 97Mo42 + 37Cl17 + 145.995 MeV [28.482 MeV]
(A_Sn:1039)
116Sn50 + 9 D* --> 109Ag47 + 25Mg12 + 128.609 MeV [11.095 MeV]
(A_Sn:1040)
116Sn50 + 9 D* --> 111Cd48 + 23Na11 + 125.481 MeV [7.967 MeV]
(A_Sn:1041)
116Sn50 + 9 D* --> 113In49 + 21Ne10 + 121.795 MeV [4.281 MeV]
(A_Sn:1042)
116Sn50 + 9 D* --> 115Sn50 + 19F9 + 118.217 MeV [00.703 MeV]
(A_Sn:1043)
116Sn50 + 9 D* --> 120Te52 + 14N7 + 113.235 MeV [-4.279 MeV]

(A_Sn:1044)
116Sn50 + 9 D* --> 124Xe54 + 10B5 + 102.303 MeV [-15.211 MeV]
(A_Sn:1045)

116Sn50 + 10 D* --> 68Zn30 + 68Zn30 + 179.844 MeV [47.676 MeV]
(A_Sn:1046)
116Sn50 + 10 D* --> 70Zn30 + 66Zn30 + 178.293 MeV [46.126 MeV]
(A_Sn:1047)
116Sn50 + 10 D* --> 71Ga31 + 65Cu29 + 177.233 MeV [45.065 MeV]
(A_Sn:1048)
116Sn50 + 10 D* --> 72Ge32 + 64Ni28 + 179.514 MeV [47.347 MeV]
(A_Sn:1049)
116Sn50 + 10 D* --> 74Ge32 + 62Ni28 + 179.998 MeV [47.830 MeV]
(A_Sn:1050)
116Sn50 + 10 D* --> 76Ge32 + 60Ni28 + 177.514 MeV [45.347 MeV]
(A_Sn:1051)
116Sn50 + 10 D* --> 78Se34 + 58Fe26 + 179.009 MeV [46.841 MeV]
(A_Sn:1052)
116Sn50 + 10 D* --> 80Se34 + 56Fe26 + 178.194 MeV [46.027 MeV]
(A_Sn:1053)
116Sn50 + 10 D* --> 82Se34 + 54Fe26 + 173.676 MeV [41.508 MeV]
(A_Sn:1054)
116Sn50 + 10 D* --> 81Br35 + 55Mn25 + 175.515 MeV [43.347 MeV]
(A_Sn:1055)
116Sn50 + 10 D* --> 82Kr36 + 54Cr24 + 177.351 MeV [45.184 MeV]
(A_Sn:1056)
116Sn50 + 10 D* --> 83Kr36 + 53Cr24 + 175.096 MeV [42.928 MeV]
(A_Sn:1057)
116Sn50 + 10 D* --> 84Kr36 + 52Cr24 + 177.677 MeV [45.509 MeV]
(A_Sn:1058)
116Sn50 + 10 D* --> 86Kr36 + 50Cr24 + 173.354 MeV [41.187 MeV]
(A_Sn:1059)
116Sn50 + 10 D* --> 85Rb37 + 51V23 + 174.198 MeV [42.030 MeV]
(A_Sn:1060)
116Sn50 + 10 D* --> 86Sr38 + 50Ti22 + 175.779 MeV [43.612 MeV]
(A_Sn:1061)
116Sn50 + 10 D* --> 87Sr38 + 49Ti22 + 173.268 MeV [41.101 MeV]
(A_Sn:1062)
116Sn50 + 10 D* --> 88Sr38 + 48Ti22 + 176.239 MeV [44.071 MeV]
(A_Sn:1063)
116Sn50 + 10 D* --> 90Zr40 + 46Ca20 + 171.731 MeV [39.564 MeV]
(A_Sn:1064)
116Sn50 + 10 D* --> 92Zr40 + 44Ca20 + 169.751 MeV [37.584 MeV]
(A_Sn:1065)
116Sn50 + 10 D* --> 94Zr40 + 42Ca20 + 165.643 MeV [33.475 MeV]
(A_Sn:1066)
116Sn50 + 10 D* --> 96Zr40 + 40Ca20 + 160.118 MeV [27.951 MeV]
(A_Sn:1067)
116Sn50 + 10 D* --> 96Mo42 + 40Ar18 + 163.660 MeV [31.492 MeV]
(A_Sn:1068)
116Sn50 + 10 D* --> 98Mo42 + 38Ar18 + 162.655 MeV [30.488 MeV]
(A_Sn:1069)
116Sn50 + 10 D* --> 100Mo42 + 36Ar18 + 156.245 MeV [24.077 MeV]
(A_Sn:1070)

116Sn50 + 10 D* --> 100Ru44 + 36S16 + 159.712 MeV [27.545 MeV]
(A_Sn:1071)
116Sn50 + 10 D* --> 102Ru44 + 34S16 + 158.859 MeV [26.691 MeV]
(A_Sn:1072)
116Sn50 + 10 D* --> 104Ru44 + 32S16 + 153.934 MeV [21.766 MeV]
(A_Sn:1073)
116Sn50 + 10 D* --> 106Pd46 + 30Si14 + 154.165 MeV [21.997 MeV]
(A_Sn:1074)
116Sn50 + 10 D* --> 108Pd46 + 28Si14 + 150.846 MeV [18.679 MeV]
(A_Sn:1075)
116Sn50 + 10 D* --> 109Ag47 + 27Al13 + 145.748 MeV [13.581 MeV]
(A_Sn:1076)
116Sn50 + 10 D* --> 110Cd48 + 26Mg12 + 146.397 MeV [14.229 MeV]
(A_Sn:1077)
116Sn50 + 10 D* --> 111Cd48 + 25Mg12 + 142.279 MeV [10.112 MeV]
(A_Sn:1078)
116Sn50 + 10 D* --> 112Cd48 + 24Mg12 + 144.343 MeV [12.176 MeV]
(A_Sn:1079)
116Sn50 + 10 D* --> 113In49 + 23Na11 + 138.729 MeV [6.561 MeV]
(A_Sn:1080)
116Sn50 + 10 D* --> 114Sn50 + 22Ne10 + 138.415 MeV [6.247 MeV]
(A_Sn:1081)
116Sn50 + 10 D* --> 115Sn50 + 21Ne10 + 135.597 MeV [3.429 MeV]
(A_Sn:1082)
116Sn50 + 10 D* --> 116Sn50 + 20Ne10 + 138.399 MeV [6.232 MeV]
(A_Sn:1083)
116Sn50 + 10 D* --> 120Te52 + 16O8 + 133.971 MeV [1.803 MeV]
(A_Sn:1084)
116Sn50 + 10 D* --> 124Xe54 + 12C6 + 127.489 MeV [-4.678 MeV]
(A_Sn:1085)

116Sn50 + 11 D* --> 71Ga31 + 67Zn30 + 190.986 MeV [43.855 MeV]
(A_Sn:1086)
116Sn50 + 11 D* --> 73Ge32 + 65Cu29 + 191.526 MeV [44.395 MeV]
(A_Sn:1087)
116Sn50 + 11 D* --> 81Br35 + 57Fe26 + 191.120 MeV [43.989 MeV]
(A_Sn:1088)
116Sn50 + 11 D* --> 83Kr36 + 55Mn25 + 190.657 MeV [43.526 MeV]
(A_Sn:1089)
116Sn50 + 11 D* --> 85Rb37 + 53Cr24 + 190.417 MeV [43.286 MeV]
(A_Sn:1090)
116Sn50 + 11 D* --> 87Sr38 + 51V23 + 190.047 MeV [42.916 MeV]
(A_Sn:1091)
116Sn50 + 11 D* --> 88Sr38 + 50V23 + 190.108 MeV [42.977 MeV]
(A_Sn:1092)
116Sn50 + 11 D* --> 89Y39 + 49Ti22 + 189.225 MeV [42.095 MeV]
(A_Sn:1093)
116Sn50 + 11 D* --> 97Mo42 + 41K19 + 176.064 MeV [28.934 MeV]
(A_Sn:1094)
116Sn50 + 11 D* --> 98Mo42 + 40K19 + 174.612 MeV [27.481 MeV]
(A_Sn:1095)
116Sn50 + 11 D* --> 101Ru44 + 37Cl17 + 172.676 MeV [25.545 MeV]
(A_Sn:1096)
116Sn50 + 11 D* --> 109Ag47 + 29Si14 + 163.583 MeV [16.452 MeV]

(A_Sn:1097)
116Sn50 + 11 D* --> 111Cd48 + 27Al13 + 159.419 MeV [12.288 MeV]
(A_Sn:1098)
116Sn50 + 11 D* --> 113In49 + 25Mg12 + 155.527 MeV [8.397 MeV]
(A_Sn:1099)
116Sn50 + 11 D* --> 115Sn50 + 23Na11 + 152.531 MeV [5.400 MeV]
(A_Sn:1100)
116Sn50 + 11 D* --> 124Xe54 + 14N7 + 137.762 MeV [-9.369 MeV]
(A_Sn:1101)

116Sn50 + 12 D* --> 70Zn30 + 70Ge32 + 206.228 MeV [43.828 MeV]
(A_Sn:1102)
116Sn50 + 12 D* --> 71Ga31 + 69Ga31 + 205.569 MeV [43.168 MeV]
(A_Sn:1103)
116Sn50 + 12 D* --> 70Ge32 + 70Zn30 + 206.228 MeV [43.828 MeV]
(A_Sn:1104)
116Sn50 + 12 D* --> 72Ge32 + 68Zn30 + 208.694 MeV [46.293 MeV]
(A_Sn:1105)
116Sn50 + 12 D* --> 73Ge32 + 67Zn30 + 205.279 MeV [42.878 MeV]
(A_Sn:1106)
116Sn50 + 12 D* --> 74Ge32 + 66Zn30 + 208.422 MeV [46.022 MeV]
(A_Sn:1107)
116Sn50 + 12 D* --> 76Ge32 + 64Zn30 + 205.317 MeV [42.917 MeV]
(A_Sn:1108)
116Sn50 + 12 D* --> 75As33 + 65Cu29 + 206.397 MeV [43.996 MeV]
(A_Sn:1109)
116Sn50 + 12 D* --> 76Se34 + 64Ni28 + 208.452 MeV [46.051 MeV]
(A_Sn:1110)
116Sn50 + 12 D* --> 78Se34 + 62Ni28 + 209.873 MeV [47.472 MeV]
(A_Sn:1111)
116Sn50 + 12 D* --> 80Se34 + 60Ni28 + 208.333 MeV [45.932 MeV]
(A_Sn:1112)
116Sn50 + 12 D* --> 82Se34 + 58Ni28 + 203.922 MeV [41.522 MeV]
(A_Sn:1113)
116Sn50 + 12 D* --> 81Br35 + 59Co27 + 206.304 MeV [43.903 MeV]
(A_Sn:1114)
116Sn50 + 12 D* --> 82Kr36 + 58Fe26 + 208.843 MeV [46.443 MeV]
(A_Sn:1115)
116Sn50 + 12 D* --> 83Kr36 + 57Fe26 + 206.262 MeV [43.862 MeV]
(A_Sn:1116)
116Sn50 + 12 D* --> 84Kr36 + 56Fe26 + 209.137 MeV [46.736 MeV]
(A_Sn:1117)
116Sn50 + 12 D* --> 86Kr36 + 54Fe26 + 205.619 MeV [43.218 MeV]
(A_Sn:1118)
116Sn50 + 12 D* --> 85Rb37 + 55Mn25 + 205.978 MeV [43.578 MeV]
(A_Sn:1119)
116Sn50 + 12 D* --> 86Sr38 + 54Cr24 + 207.557 MeV [45.156 MeV]
(A_Sn:1120)
116Sn50 + 12 D* --> 87Sr38 + 53Cr24 + 206.266 MeV [43.865 MeV]
(A_Sn:1121)
116Sn50 + 12 D* --> 88Sr38 + 52Cr24 + 209.439 MeV [47.039 MeV]
(A_Sn:1122)
116Sn50 + 12 D* --> 89Y39 + 51V23 + 206.004 MeV [43.603 MeV]
(A_Sn:1123)

116Sn50 + 12 D* --> 90Zr40 + 50Ti22 + 206.294 MeV [43.894 MeV]
(A_Sn:1124)
116Sn50 + 12 D* --> 91Zr40 + 49Ti22 + 202.550 MeV [40.149 MeV]
(A_Sn:1125)
116Sn50 + 12 D* --> 92Zr40 + 48Ti22 + 203.042 MeV [40.642 MeV]
(A_Sn:1126)
116Sn50 + 12 D* --> 94Zr40 + 46Ti22 + 197.491 MeV [35.090 MeV]
(A_Sn:1127)
116Sn50 + 12 D* --> 92Mo42 + 48Ca20 + 197.120 MeV [34.719 MeV]
(A_Sn:1128)
116Sn50 + 12 D* --> 94Mo42 + 46Ca20 + 197.645 MeV [35.245 MeV]
(A_Sn:1129)
116Sn50 + 12 D* --> 96Mo42 + 44Ca20 + 196.360 MeV [33.959 MeV]
(A_Sn:1130)
116Sn50 + 12 D* --> 97Mo42 + 43Ca20 + 192.050 MeV [29.649 MeV]
(A_Sn:1131)
116Sn50 + 12 D* --> 98Mo42 + 42Ca20 + 192.759 MeV [30.359 MeV]
(A_Sn:1132)
116Sn50 + 12 D* --> 100Mo42 + 40Ca20 + 187.131 MeV [24.731 MeV]
(A_Sn:1133)
116Sn50 + 12 D* --> 100Ru44 + 40Ar18 + 190.359 MeV [27.959 MeV]
(A_Sn:1134)
116Sn50 + 12 D* --> 102Ru44 + 38Ar18 + 189.913 MeV [27.513 MeV]
(A_Sn:1135)
116Sn50 + 12 D* --> 104Ru44 + 36Ar18 + 184.421 MeV [22.020 MeV]
(A_Sn:1136)
116Sn50 + 12 D* --> 103Rh45 + 37Cl17 + 185.884 MeV [23.484 MeV]
(A_Sn:1137)
116Sn50 + 12 D* --> 104Pd46 + 36S16 + 186.155 MeV [23.754 MeV]
(A_Sn:1138)
116Sn50 + 12 D* --> 106Pd46 + 34S16 + 185.935 MeV [23.534 MeV]
(A_Sn:1139)
116Sn50 + 12 D* --> 108Pd46 + 32S16 + 181.641 MeV [19.240 MeV]
(A_Sn:1140)
116Sn50 + 12 D* --> 109Ag47 + 31P15 + 179.264 MeV [16.864 MeV]
(A_Sn:1141)
116Sn50 + 12 D* --> 110Cd48 + 30Si14 + 180.886 MeV [18.486 MeV]
(A_Sn:1142)
116Sn50 + 12 D* --> 111Cd48 + 29Si14 + 177.253 MeV [14.853 MeV]
(A_Sn:1143)
116Sn50 + 12 D* --> 112Cd48 + 28Si14 + 178.174 MeV [15.773 MeV]
(A_Sn:1144)
116Sn50 + 12 D* --> 113In49 + 27Al13 + 172.667 MeV [10.266 MeV]
(A_Sn:1145)
116Sn50 + 12 D* --> 114Sn50 + 26Mg12 + 172.876 MeV [10.475 MeV]
(A_Sn:1146)
116Sn50 + 12 D* --> 115Sn50 + 25Mg12 + 169.329 MeV [6.929 MeV]
(A_Sn:1147)
116Sn50 + 12 D* --> 116Sn50 + 24Mg12 + 171.562 MeV [9.162 MeV]
(A_Sn:1148)
116Sn50 + 12 D* --> 120Te52 + 20Ne10 + 162.547 MeV [00.147 MeV]
(A_Sn:1149)
116Sn50 + 12 D* --> 124Xe54 + 16O8 + 158.498 MeV [-3.903 MeV]
(A_Sn:1150)

117Sn50 + D* --> 71Ga31 + 48Ca20 + 37.090 MeV [25.380 MeV]
(A_Sn:1151)
117Sn50 + D* --> 82Se34 + 37Cl17 + 32.091 MeV [20.381 MeV]
(A_Sn:1152)
117Sn50 + D* --> 96Zr40 + 23Na11 + 17.708 MeV [5.998 MeV]
(A_Sn:1153)
117Sn50 + D* --> 100Mo42 + 19F9 + 10.407 MeV [-1.303 MeV]
(A_Sn:1154)
117Sn50 + D* --> 104Ru44 + 15N7 + 10.723 MeV [-0.987 MeV]
(A_Sn:1155)
117Sn50 + D* --> 108Pd46 + 11B5 + 3.592 MeV [-8.118 MeV]
(A_Sn:1156)
117Sn50 + D* --> 115In49 + 4He2 + 9.847 MeV [-1.863 MeV]
(A_Sn:1157)
117Sn50 + D* --> 118Sn50 + 1H1 + 7.103 MeV [-4.608 MeV]
(A_Sn:1158)

117Sn50 + 2 D* --> 73Ge32 + 48Ca20 + 51.383 MeV [27.626 MeV]
(A_Sn:1159)
117Sn50 + 2 D* --> 96Zr40 + 25Mg12 + 34.507 MeV [10.750 MeV]
(A_Sn:1160)
117Sn50 + 2 D* --> 100Mo42 + 21Ne10 + 27.788 MeV [4.031 MeV]
(A_Sn:1161)
117Sn50 + 2 D* --> 104Ru44 + 17O8 + 24.769 MeV [1.012 MeV]
(A_Sn:1162)
117Sn50 + 2 D* --> 108Pd46 + 13C6 + 22.271 MeV [-1.486 MeV]
(A_Sn:1163)
117Sn50 + 2 D* --> 112Cd48 + 9Be4 + 15.104 MeV [-8.653 MeV]
(A_Sn:1164)
117Sn50 + 2 D* --> 115In49 + 6Li3 + 11.321 MeV [-12.436 MeV]
(A_Sn:1165)
117Sn50 + 2 D* --> 117Sn50 + 4He2 + 23.847 MeV [00.090 MeV]
(A_Sn:1166)
117Sn50 + 2 D* --> 118Sn50 + 3He2 + 12.596 MeV [-11.161 MeV]
(A_Sn:1167)

117Sn50 + 3 D* --> 75As33 + 48Ca20 + 66.254 MeV [30.118 MeV]
(A_Sn:1168)
117Sn50 + 3 D* --> 82Se34 + 41K19 + 62.160 MeV [26.024 MeV]
(A_Sn:1169)
117Sn50 + 3 D* --> 86Kr36 + 37Cl17 + 64.034 MeV [27.898 MeV]
(A_Sn:1170)
117Sn50 + 3 D* --> 87Rb37 + 36S16 + 64.269 MeV [28.133 MeV]
(A_Sn:1171)
117Sn50 + 3 D* --> 96Zr40 + 27Al13 + 51.647 MeV [15.511 MeV]
(A_Sn:1172)
117Sn50 + 3 D* --> 100Mo42 + 23Na11 + 44.721 MeV [8.585 MeV]
(A_Sn:1173)
117Sn50 + 3 D* --> 104Ru44 + 19F9 + 38.583 MeV [2.447 MeV]
(A_Sn:1174)
117Sn50 + 3 D* --> 108Pd46 + 15N7 + 38.430 MeV [2.294 MeV]
(A_Sn:1175)
117Sn50 + 3 D* --> 112Cd48 + 11B5 + 30.920 MeV [-5.216 MeV]

(A_Sn:1176)
117Sn50 + 3 D* --> 113Cd48 + 10B5 + 26.006 MeV [-10.130 MeV]
(A_Sn:1177)
117Sn50 + 3 D* --> 116Sn50 + 7Li3 + 25.627 MeV [-10.509 MeV]
(A_Sn:1178)
117Sn50 + 3 D* --> 117Sn50 + 6Li3 + 25.320 MeV [-10.816 MeV]
(A_Sn:1179)
117Sn50 + 3 D* --> 122Te52 + 1H1 + 32.032 MeV [-4.104 MeV]
(A_Sn:1180)

117Sn50 + 4 D* --> 76Ge32 + 49Ti22 + 83.915 MeV [35.070 MeV]
(A_Sn:1181)
117Sn50 + 4 D* --> 77Se34 + 48Ca20 + 80.957 MeV [32.112 MeV]
(A_Sn:1182)
117Sn50 + 4 D* --> 82Se34 + 43Ca20 + 78.146 MeV [29.301 MeV]
(A_Sn:1183)
117Sn50 + 4 D* --> 96Zr40 + 29Si14 + 69.481 MeV [20.636 MeV]
(A_Sn:1184)
117Sn50 + 4 D* --> 100Mo42 + 25Mg12 + 61.520 MeV [12.675 MeV]
(A_Sn:1185)
117Sn50 + 4 D* --> 104Ru44 + 21Ne10 + 55.964 MeV [7.119 MeV]
(A_Sn:1186)
117Sn50 + 4 D* --> 108Pd46 + 17O8 + 52.476 MeV [3.631 MeV]
(A_Sn:1187)
117Sn50 + 4 D* --> 112Cd48 + 13C6 + 49.598 MeV [00.754 MeV]
(A_Sn:1188)
117Sn50 + 4 D* --> 113Cd48 + 12C6 + 51.192 MeV [2.347 MeV]
(A_Sn:1189)
117Sn50 + 4 D* --> 115In49 + 10B5 + 39.629 MeV [-9.216 MeV]
(A_Sn:1190)
117Sn50 + 4 D* --> 116Sn50 + 9Be4 + 42.323 MeV [-6.521 MeV]
(A_Sn:1191)
117Sn50 + 4 D* --> 122Te52 + 3He2 + 37.526 MeV [-11.319 MeV]
(A_Sn:1192)

117Sn50 + 5 D* --> 76Ge32 + 51V23 + 100.693 MeV [38.813 MeV]
(A_Sn:1193)
117Sn50 + 5 D* --> 82Se34 + 45Sc21 + 93.940 MeV [32.061 MeV]
(A_Sn:1194)
117Sn50 + 5 D* --> 79Br35 + 48Ca20 + 95.561 MeV [33.682 MeV]
(A_Sn:1195)
117Sn50 + 5 D* --> 81Br35 + 46Ca20 + 96.389 MeV [34.509 MeV]
(A_Sn:1196)
117Sn50 + 5 D* --> 86Kr36 + 41K19 + 94.103 MeV [32.224 MeV]
(A_Sn:1197)
117Sn50 + 5 D* --> 87Rb37 + 40Ar18 + 94.916 MeV [33.037 MeV]
(A_Sn:1198)
117Sn50 + 5 D* --> 96Zr40 + 31P15 + 85.162 MeV [23.283 MeV]
(A_Sn:1199)
117Sn50 + 5 D* --> 100Mo42 + 27Al13 + 78.660 MeV [16.780 MeV]
(A_Sn:1200)
117Sn50 + 5 D* --> 104Ru44 + 23Na11 + 72.897 MeV [11.018 MeV]
(A_Sn:1201)
117Sn50 + 5 D* --> 108Pd46 + 19F9 + 66.290 MeV [4.411 MeV]

(A_Sn:1202)
117Sn50 + 5 D* --> 109Ag47 + 18O8 + 64.783 MeV [2.903 MeV]
(A_Sn:1203)
117Sn50 + 5 D* --> 112Cd48 + 15N7 + 65.758 MeV [3.878 MeV]
(A_Sn:1204)
117Sn50 + 5 D* --> 113Cd48 + 14N7 + 61.465 MeV [-0.415 MeV]
(A_Sn:1205)
117Sn50 + 5 D* --> 115In49 + 12C6 + 64.815 MeV [2.936 MeV]
(A_Sn:1206)
117Sn50 + 5 D* --> 116Sn50 + 11B5 + 58.139 MeV [-3.741 MeV]
(A_Sn:1207)
117Sn50 + 5 D* --> 117Sn50 + 10B5 + 53.628 MeV [-8.252 MeV]
(A_Sn:1208)
117Sn50 + 5 D* --> 120Te52 + 7Li3 + 49.775 MeV [-12.105 MeV]
(A_Sn:1209)
117Sn50 + 5 D* --> 126Xe54 + 1H1 + 57.158 MeV [-4.721 MeV]
(A_Sn:1210)

117Sn50 + 6 D* --> 76Ge32 + 53Cr24 + 116.912 MeV [41.674 MeV]
(A_Sn:1211)
117Sn50 + 6 D* --> 80Se34 + 49Ti22 + 114.733 MeV [39.495 MeV]
(A_Sn:1212)
117Sn50 + 6 D* --> 82Se34 + 47Ti22 + 110.941 MeV [35.703 MeV]
(A_Sn:1213)
117Sn50 + 6 D* --> 83Kr36 + 46Ca20 + 111.531 MeV [36.293 MeV]
(A_Sn:1214)
117Sn50 + 6 D* --> 86Kr36 + 43Ca20 + 110.089 MeV [34.851 MeV]
(A_Sn:1215)
117Sn50 + 6 D* --> 96Zr40 + 33S16 + 100.443 MeV [25.205 MeV]
(A_Sn:1216)
117Sn50 + 6 D* --> 100Mo42 + 29Si14 + 96.494 MeV [21.256 MeV]
(A_Sn:1217)
117Sn50 + 6 D* --> 104Ru44 + 25Mg12 + 89.696 MeV [14.458 MeV]
(A_Sn:1218)
117Sn50 + 6 D* --> 108Pd46 + 21Ne10 + 83.670 MeV [8.433 MeV]
(A_Sn:1219)
117Sn50 + 6 D* --> 111Cd48 + 18O8 + 78.453 MeV [3.216 MeV]
(A_Sn:1220)
117Sn50 + 6 D* --> 112Cd48 + 17O8 + 79.804 MeV [4.566 MeV]
(A_Sn:1221)
117Sn50 + 6 D* --> 113Cd48 + 16O8 + 82.201 MeV [6.963 MeV]
(A_Sn:1222)
117Sn50 + 6 D* --> 115In49 + 14N7 + 75.088 MeV [-0.150 MeV]
(A_Sn:1223)
117Sn50 + 6 D* --> 116Sn50 + 13C6 + 76.817 MeV [1.580 MeV]
(A_Sn:1224)
117Sn50 + 6 D* --> 117Sn50 + 12C6 + 78.814 MeV [3.576 MeV]
(A_Sn:1225)
117Sn50 + 6 D* --> 120Te52 + 9Be4 + 66.471 MeV [-8.767 MeV]
(A_Sn:1226)
117Sn50 + 6 D* --> 126Xe54 + 3He2 + 62.652 MeV [-12.586 MeV]
(A_Sn:1227)

117Sn50 + 7 D* --> 76Ge32 + 55Mn25 + 132.474 MeV [43.557 MeV]

(A_Sn:1228)
117Sn50 + 7 D* --> 80Se34 + 51V23 + 131.511 MeV [42.595 MeV]
(A_Sn:1229)
117Sn50 + 7 D* --> 81Br35 + 50Ti22 + 130.952 MeV [42.035 MeV]
(A_Sn:1230)
117Sn50 + 7 D* --> 86Kr36 + 45Sc21 + 125.883 MeV [36.967 MeV]
(A_Sn:1231)
117Sn50 + 7 D* --> 85Rb37 + 46Ca20 + 126.853 MeV [37.936 MeV]
(A_Sn:1232)
117Sn50 + 7 D* --> 87Rb37 + 44Ca20 + 127.616 MeV [38.700 MeV]
(A_Sn:1233)
117Sn50 + 7 D* --> 94Zr40 + 37Cl17 + 120.578 MeV [31.662 MeV]
(A_Sn:1234)
117Sn50 + 7 D* --> 96Zr40 + 35Cl17 + 116.006 MeV [27.090 MeV]
(A_Sn:1235)
117Sn50 + 7 D* --> 100Mo42 + 31P15 + 112.175 MeV [23.259 MeV]
(A_Sn:1236)
117Sn50 + 7 D* --> 104Ru44 + 27Al13 + 106.836 MeV [17.919 MeV]
(A_Sn:1237)
117Sn50 + 7 D* --> 108Pd46 + 23Na11 + 100.604 MeV [11.688 MeV]
(A_Sn:1238)
117Sn50 + 7 D* --> 109Ag47 + 22Ne10 + 98.297 MeV [9.381 MeV]
(A_Sn:1239)
117Sn50 + 7 D* --> 112Cd48 + 19F9 + 93.618 MeV [4.702 MeV]
(A_Sn:1240)
117Sn50 + 7 D* --> 113In49 + 18O8 + 91.701 MeV [2.785 MeV]
(A_Sn:1241)
117Sn50 + 7 D* --> 115In49 + 16O8 + 95.824 MeV [6.907 MeV]
(A_Sn:1242)
117Sn50 + 7 D* --> 116Sn50 + 15N7 + 92.977 MeV [4.060 MeV]
(A_Sn:1243)
117Sn50 + 7 D* --> 117Sn50 + 14N7 + 89.087 MeV [00.170 MeV]
(A_Sn:1244)
117Sn50 + 7 D* --> 120Te52 + 11B5 + 82.287 MeV [-6.630 MeV]
(A_Sn:1245)
117Sn50 + 7 D* --> 124Xe54 + 7Li3 + 74.302 MeV [-14.614 MeV]
(A_Sn:1246)
117Sn50 + 7 D* --> 130Ba56 + 1H1 + 81.523 MeV [-7.394 MeV]
(A_Sn:1247)

117Sn50 + 8 D* --> 76Ge32 + 57Fe26 + 148.079 MeV [45.167 MeV]
(A_Sn:1248)
117Sn50 + 8 D* --> 80Se34 + 53Cr24 + 147.731 MeV [44.818 MeV]
(A_Sn:1249)
117Sn50 + 8 D* --> 83Kr36 + 50Ti22 + 146.094 MeV [43.182 MeV]
(A_Sn:1250)
117Sn50 + 8 D* --> 84Kr36 + 49Ti22 + 145.676 MeV [42.763 MeV]
(A_Sn:1251)
117Sn50 + 8 D* --> 86Kr36 + 47Ti22 + 142.884 MeV [39.972 MeV]
(A_Sn:1252)
117Sn50 + 8 D* --> 87Sr38 + 46Ca20 + 142.701 MeV [39.789 MeV]
(A_Sn:1253)
117Sn50 + 8 D* --> 97Mo42 + 36S16 + 132.890 MeV [29.978 MeV]
(A_Sn:1254)

117Sn50 + 8 D* --> 100Mo42 + 33S16 + 127.456 MeV [24.544 MeV]
(A_Sn:1255)
117Sn50 + 8 D* --> 104Ru44 + 29Si14 + 124.670 MeV [21.758 MeV]
(A_Sn:1256)
117Sn50 + 8 D* --> 108Pd46 + 25Mg12 + 117.403 MeV [14.491 MeV]
(A_Sn:1257)
117Sn50 + 8 D* --> 111Cd48 + 22Ne10 + 111.968 MeV [9.056 MeV]
(A_Sn:1258)
117Sn50 + 8 D* --> 112Cd48 + 21Ne10 + 110.998 MeV [8.086 MeV]
(A_Sn:1259)
117Sn50 + 8 D* --> 113Cd48 + 20Ne10 + 110.777 MeV [7.865 MeV]
(A_Sn:1260)
117Sn50 + 8 D* --> 115Sn50 + 18O8 + 105.503 MeV [2.591 MeV]
(A_Sn:1261)
117Sn50 + 8 D* --> 116Sn50 + 17O8 + 107.023 MeV [4.111 MeV]
(A_Sn:1262)
117Sn50 + 8 D* --> 117Sn50 + 16O8 + 109.823 MeV [6.911 MeV]
(A_Sn:1263)
117Sn50 + 8 D* --> 120Te52 + 13C6 + 100.965 MeV [-1.947 MeV]
(A_Sn:1264)
117Sn50 + 8 D* --> 124Xe54 + 9Be4 + 90.998 MeV [-11.914 MeV]
(A_Sn:1265)
117Sn50 + 8 D* --> 130Ba56 + 3He2 + 87.016 MeV [-15.896 MeV]
(A_Sn:1266)

117Sn50 + 9 D* --> 70Zn30 + 65Cu29 + 164.650 MeV [47.427 MeV]
(A_Sn:1267)
117Sn50 + 9 D* --> 71Ga31 + 64Ni28 + 165.061 MeV [47.838 MeV]
(A_Sn:1268)
117Sn50 + 9 D* --> 76Ge32 + 59Co27 + 163.263 MeV [46.040 MeV]
(A_Sn:1269)
117Sn50 + 9 D* --> 80Se34 + 55Mn25 + 163.292 MeV [46.069 MeV]
(A_Sn:1270)
117Sn50 + 9 D* --> 81Br35 + 54Cr24 + 162.729 MeV [45.506 MeV]
(A_Sn:1271)
117Sn50 + 9 D* --> 84Kr36 + 51V23 + 162.454 MeV [45.231 MeV]
(A_Sn:1272)
117Sn50 + 9 D* --> 85Rb37 + 50Ti22 + 161.416 MeV [44.193 MeV]
(A_Sn:1273)
117Sn50 + 9 D* --> 87Rb37 + 48Ti22 + 160.907 MeV [43.684 MeV]
(A_Sn:1274)
117Sn50 + 9 D* --> 89Y39 + 46Ca20 + 158.658 MeV [41.436 MeV]
(A_Sn:1275)
117Sn50 + 9 D* --> 94Zr40 + 41K19 + 150.647 MeV [33.425 MeV]
(A_Sn:1276)
117Sn50 + 9 D* --> 96Zr40 + 39K19 + 147.071 MeV [29.849 MeV]
(A_Sn:1277)
117Sn50 + 9 D* --> 98Mo42 + 37Cl17 + 147.695 MeV [30.472 MeV]
(A_Sn:1278)
117Sn50 + 9 D* --> 100Mo42 + 35Cl17 + 143.019 MeV [25.797 MeV]
(A_Sn:1279)
117Sn50 + 9 D* --> 104Ru44 + 31P15 + 140.351 MeV [23.129 MeV]
(A_Sn:1280)
117Sn50 + 9 D* --> 108Pd46 + 27Al13 + 134.543 MeV [17.320 MeV]

(A_Sn:1281)
117Sn50 + 9 D* --> 109Ag47 + 26Mg12 + 132.759 MeV [15.536 MeV]
(A_Sn:1282)
117Sn50 + 9 D* --> 112Cd48 + 23Na11 + 127.932 MeV [10.709 MeV]
(A_Sn:1283)
117Sn50 + 9 D* --> 113In49 + 22Ne10 + 125.216 MeV [7.993 MeV]
(A_Sn:1284)
117Sn50 + 9 D* --> 115In49 + 20Ne10 + 124.400 MeV [7.177 MeV]
(A_Sn:1285)
117Sn50 + 9 D* --> 116Sn50 + 19F9 + 120.837 MeV [3.614 MeV]
(A_Sn:1286)
117Sn50 + 9 D* --> 120Te52 + 15N7 + 117.125 MeV [-0.098 MeV]
(A_Sn:1287)
117Sn50 + 9 D* --> 124Xe54 + 11B5 + 106.814 MeV [-10.409 MeV]
(A_Sn:1288)

117Sn50 + 10 D* --> 70Zn30 + 67Zn30 + 178.402 MeV [46.557 MeV]
(A_Sn:1289)
117Sn50 + 10 D* --> 73Ge32 + 64Ni28 + 179.354 MeV [47.509 MeV]
(A_Sn:1290)
117Sn50 + 10 D* --> 76Ge32 + 61Ni28 + 178.391 MeV [46.546 MeV]
(A_Sn:1291)
117Sn50 + 10 D* --> 80Se34 + 57Fe26 + 178.897 MeV [47.052 MeV]
(A_Sn:1292)
117Sn50 + 10 D* --> 83Kr36 + 54Cr24 + 177.872 MeV [46.026 MeV]
(A_Sn:1293)
117Sn50 + 10 D* --> 84Kr36 + 53Cr24 + 178.673 MeV [46.828 MeV]
(A_Sn:1294)
117Sn50 + 10 D* --> 87Rb37 + 50V23 + 174.777 MeV [42.931 MeV]
(A_Sn:1295)
117Sn50 + 10 D* --> 87Sr38 + 50Ti22 + 177.264 MeV [45.419 MeV]
(A_Sn:1296)
117Sn50 + 10 D* --> 88Sr38 + 49Ti22 + 177.438 MeV [45.593 MeV]
(A_Sn:1297)
117Sn50 + 10 D* --> 91Zr40 + 46Ca20 + 171.983 MeV [40.138 MeV]
(A_Sn:1298)
117Sn50 + 10 D* --> 94Zr40 + 43Ca20 + 166.633 MeV [34.788 MeV]
(A_Sn:1299)
117Sn50 + 10 D* --> 97Mo42 + 40Ar18 + 163.538 MeV [31.692 MeV]
(A_Sn:1300)
117Sn50 + 10 D* --> 101Ru44 + 36S16 + 159.571 MeV [27.726 MeV]
(A_Sn:1301)
117Sn50 + 10 D* --> 104Ru44 + 33S16 + 155.632 MeV [23.787 MeV]
(A_Sn:1302)
117Sn50 + 10 D* --> 108Pd46 + 29Si14 + 152.377 MeV [20.531 MeV]
(A_Sn:1303)
117Sn50 + 10 D* --> 111Cd48 + 26Mg12 + 146.429 MeV [14.584 MeV]
(A_Sn:1304)
117Sn50 + 10 D* --> 112Cd48 + 25Mg12 + 144.731 MeV [12.885 MeV]
(A_Sn:1305)
117Sn50 + 10 D* --> 113Cd48 + 24Mg12 + 143.940 MeV [12.095 MeV]
(A_Sn:1306)
117Sn50 + 10 D* --> 115Sn50 + 22Ne10 + 139.018 MeV [7.173 MeV]
(A_Sn:1307)

117Sn50 + 10 D* --> 116Sn50 + 21Ne10 + 138.217 MeV [6.372 MeV]
(A_Sn:1308)
117Sn50 + 10 D* --> 117Sn50 + 20Ne10 + 138.399 MeV [6.554 MeV]
(A_Sn:1309)
117Sn50 + 10 D* --> 120Te52 + 17O8 + 131.171 MeV [-0.675 MeV]
(A_Sn:1310)
117Sn50 + 10 D* --> 124Xe54 + 13C6 + 125.492 MeV [-6.353 MeV]
(A_Sn:1311)

117Sn50 + 11 D* --> 70Zn30 + 69Ga31 + 192.985 MeV [46.208 MeV]
(A_Sn:1312)
117Sn50 + 11 D* --> 71Ga31 + 68Zn30 + 194.240 MeV [47.463 MeV]
(A_Sn:1313)
117Sn50 + 11 D* --> 74Ge32 + 65Cu29 + 194.779 MeV [48.002 MeV]
(A_Sn:1314)
117Sn50 + 11 D* --> 76Ge32 + 63Cu29 + 192.886 MeV [46.109 MeV]
(A_Sn:1315)
117Sn50 + 11 D* --> 75As33 + 64Ni28 + 194.225 MeV [47.448 MeV]
(A_Sn:1316)
117Sn50 + 11 D* --> 80Se34 + 59Co27 + 194.081 MeV [47.304 MeV]
(A_Sn:1317)
117Sn50 + 11 D* --> 81Br35 + 58Fe26 + 194.221 MeV [47.444 MeV]
(A_Sn:1318)
117Sn50 + 11 D* --> 84Kr36 + 55Mn25 + 194.235 MeV [47.458 MeV]
(A_Sn:1319)
117Sn50 + 11 D* --> 85Rb37 + 54Cr24 + 193.193 MeV [46.416 MeV]
(A_Sn:1320)
117Sn50 + 11 D* --> 87Rb37 + 52Cr24 + 194.108 MeV [47.331 MeV]
(A_Sn:1321)
117Sn50 + 11 D* --> 88Sr38 + 51V23 + 194.216 MeV [47.439 MeV]
(A_Sn:1322)
117Sn50 + 11 D* --> 89Y39 + 50Ti22 + 193.221 MeV [46.444 MeV]
(A_Sn:1323)
117Sn50 + 11 D* --> 94Zr40 + 45Sc21 + 182.428 MeV [35.651 MeV]
(A_Sn:1324)
117Sn50 + 11 D* --> 93Nb41 + 46Ca20 + 184.436 MeV [37.659 MeV]
(A_Sn:1325)
117Sn50 + 11 D* --> 98Mo42 + 41K19 + 177.764 MeV [30.987 MeV]
(A_Sn:1326)
117Sn50 + 11 D* --> 100Mo42 + 39K19 + 174.084 MeV [27.307 MeV]
(A_Sn:1327)
117Sn50 + 11 D* --> 102Ru44 + 37Cl17 + 174.953 MeV [28.176 MeV]
(A_Sn:1328)
117Sn50 + 11 D* --> 104Ru44 + 35Cl17 + 171.195 MeV [24.418 MeV]
(A_Sn:1329)
117Sn50 + 11 D* --> 103Rh45 + 36S16 + 172.779 MeV [26.002 MeV]
(A_Sn:1330)
117Sn50 + 11 D* --> 108Pd46 + 31P15 + 168.058 MeV [21.281 MeV]
(A_Sn:1331)
117Sn50 + 11 D* --> 109Ag47 + 30Si14 + 167.249 MeV [20.472 MeV]
(A_Sn:1332)
117Sn50 + 11 D* --> 112Cd48 + 27Al13 + 161.870 MeV [15.093 MeV]
(A_Sn:1333)
117Sn50 + 11 D* --> 113In49 + 26Mg12 + 159.677 MeV [12.900 MeV]

(A_Sn:1334)
117Sn50 + 11 D* --> 115In49 + 24Mg12 + 157.563 MeV [10.786 MeV]
(A_Sn:1335)
117Sn50 + 11 D* --> 116Sn50 + 23Na11 + 155.151 MeV [8.374 MeV]
(A_Sn:1336)
117Sn50 + 11 D* --> 120Te52 + 19F9 + 144.985 MeV [-1.792 MeV]
(A_Sn:1337)
117Sn50 + 11 D* --> 124Xe54 + 15N7 + 141.652 MeV [-5.125 MeV]
(A_Sn:1338)

117Sn50 + 12 D* --> 73Ge32 + 68Zn30 + 208.533 MeV [46.518 MeV]
(A_Sn:1339)
117Sn50 + 12 D* --> 74Ge32 + 67Zn30 + 208.532 MeV [46.516 MeV]
(A_Sn:1340)
117Sn50 + 12 D* --> 77Se34 + 64Ni28 + 208.928 MeV [46.912 MeV]
(A_Sn:1341)
117Sn50 + 12 D* --> 80Se34 + 61Ni28 + 209.210 MeV [47.194 MeV]
(A_Sn:1342)
117Sn50 + 12 D* --> 83Kr36 + 58Fe26 + 209.364 MeV [47.348 MeV]
(A_Sn:1343)
117Sn50 + 12 D* --> 84Kr36 + 57Fe26 + 209.840 MeV [47.824 MeV]
(A_Sn:1344)
117Sn50 + 12 D* --> 87Sr38 + 54Cr24 + 209.042 MeV [47.026 MeV]
(A_Sn:1345)
117Sn50 + 12 D* --> 88Sr38 + 53Cr24 + 210.435 MeV [48.419 MeV]
(A_Sn:1346)
117Sn50 + 12 D* --> 91Zr40 + 50Ti22 + 206.546 MeV [44.530 MeV]
(A_Sn:1347)
117Sn50 + 12 D* --> 92Zr40 + 49Ti22 + 204.241 MeV [42.226 MeV]
(A_Sn:1348)
117Sn50 + 12 D* --> 94Zr40 + 47Ti22 + 199.428 MeV [37.412 MeV]
(A_Sn:1349)
117Sn50 + 12 D* --> 95Mo42 + 46Ca20 + 198.071 MeV [36.056 MeV]
(A_Sn:1350)
117Sn50 + 12 D* --> 97Mo42 + 44Ca20 + 196.238 MeV [34.222 MeV]
(A_Sn:1351)
117Sn50 + 12 D* --> 98Mo42 + 43Ca20 + 193.749 MeV [31.733 MeV]
(A_Sn:1352)
117Sn50 + 12 D* --> 101Ru44 + 40Ar18 + 190.218 MeV [28.203 MeV]
(A_Sn:1353)
117Sn50 + 12 D* --> 105Pd46 + 36S16 + 186.306 MeV [24.290 MeV]
(A_Sn:1354)
117Sn50 + 12 D* --> 108Pd46 + 33S16 + 183.339 MeV [21.323 MeV]
(A_Sn:1355)
117Sn50 + 12 D* --> 111Cd48 + 30Si14 + 180.919 MeV [18.903 MeV]
(A_Sn:1356)
117Sn50 + 12 D* --> 112Cd48 + 29Si14 + 179.704 MeV [17.689 MeV]
(A_Sn:1357)
117Sn50 + 12 D* --> 113Cd48 + 28Si14 + 177.771 MeV [15.755 MeV]
(A_Sn:1358)
117Sn50 + 12 D* --> 115Sn50 + 26Mg12 + 173.479 MeV [11.464 MeV]
(A_Sn:1359)
117Sn50 + 12 D* --> 116Sn50 + 25Mg12 + 171.950 MeV [9.934 MeV]
(A_Sn:1360)

117Sn50 + 12 D* --> 117Sn50 + 24Mg12 + 171.562 MeV [9.546 MeV]
(A_Sn:1361)
117Sn50 + 12 D* --> 120Te52 + 21Ne10 + 162.365 MeV [00.349 MeV]
(A_Sn:1362)
117Sn50 + 12 D* --> 124Xe54 + 17O8 + 155.698 MeV [-6.318 MeV]
(A_Sn:1363)

118Sn50 + D* --> 119Sn50 + 1H1 + 4.259 MeV [-7.419 MeV]
(A_Sn:1364)

118Sn50 + 2 D* --> 74Ge32 + 48Ca20 + 52.252 MeV [28.560 MeV]
(A_Sn:1365)
118Sn50 + 2 D* --> 76Ge32 + 46Ca20 + 50.964 MeV [27.272 MeV]
(A_Sn:1366)
118Sn50 + 2 D* --> 82Se34 + 40Ar18 + 47.249 MeV [23.557 MeV]
(A_Sn:1367)
118Sn50 + 2 D* --> 86Kr36 + 36S16 + 48.545 MeV [24.853 MeV]
(A_Sn:1368)
118Sn50 + 2 D* --> 96Zr40 + 26Mg12 + 36.273 MeV [12.581 MeV]
(A_Sn:1369)
118Sn50 + 2 D* --> 100Mo42 + 22Ne10 + 28.824 MeV [5.133 MeV]
(A_Sn:1370)
118Sn50 + 2 D* --> 104Ru44 + 18O8 + 23.486 MeV [-0.206 MeV]
(A_Sn:1371)
118Sn50 + 2 D* --> 110Pd46 + 12C6 + 22.965 MeV [-0.727 MeV]
(A_Sn:1372)
118Sn50 + 2 D* --> 113Cd48 + 9Be4 + 12.317 MeV [-11.375 MeV]
(A_Sn:1373)
118Sn50 + 2 D* --> 115In49 + 7Li3 + 9.244 MeV [-14.448 MeV]
(A_Sn:1374)
118Sn50 + 2 D* --> 118Sn50 + 4He2 + 23.847 MeV [00.155 MeV]
(A_Sn:1375)
118Sn50 + 2 D* --> 119Sn50 + 3He2 + 9.753 MeV [-13.939 MeV]
(A_Sn:1376)
118Sn50 + 2 D* --> 121Sb51 + 1H1 + 16.922 MeV [-6.770 MeV]
(A_Sn:1377)
118Sn50 + 2 D* --> 122Te52 + 24.929 MeV [1.238 MeV]
(A_Sn:1378)

118Sn50 + 3 D* --> 110Pd46 + 14N7 + 33.237 MeV [-2.802 MeV]
(A_Sn:1379)
118Sn50 + 3 D* --> 113Cd48 + 11B5 + 28.132 MeV [-7.906 MeV]
(A_Sn:1380)
118Sn50 + 3 D* --> 114Cd48 + 10B5 + 25.721 MeV [-10.317 MeV]
(A_Sn:1381)
118Sn50 + 3 D* --> 115In49 + 9Be4 + 25.940 MeV [-10.099 MeV]
(A_Sn:1382)
118Sn50 + 3 D* --> 117Sn50 + 7Li3 + 23.243 MeV [-12.796 MeV]
(A_Sn:1383)
118Sn50 + 3 D* --> 118Sn50 + 6Li3 + 25.320 MeV [-10.718 MeV]
(A_Sn:1384)
118Sn50 + 3 D* --> 121Sb51 + 3He2 + 22.415 MeV [-13.624 MeV]
(A_Sn:1385)
118Sn50 + 3 D* --> 122Te52 + 2H1 + 24.929 MeV [-11.109 MeV]

(A_Sn:1386)
118Sn50 + 3 D* --> 123Te52 + 1H1 + 29.634 MeV [-6.405 MeV]
(A_Sn:1387)

118Sn50 + 4 D* --> 76Ge32 + 50Ti22 + 85.527 MeV [36.811 MeV]
(A_Sn:1388)
118Sn50 + 4 D* --> 78Se34 + 48Ca20 + 82.127 MeV [33.412 MeV]
(A_Sn:1389)
118Sn50 + 4 D* --> 80Se34 + 46Ca20 + 81.782 MeV [33.067 MeV]
(A_Sn:1390)
118Sn50 + 4 D* --> 82Se34 + 44Ca20 + 79.949 MeV [31.234 MeV]
(A_Sn:1391)
118Sn50 + 4 D* --> 86Kr36 + 40Ar18 + 79.192 MeV [30.477 MeV]
(A_Sn:1392)
118Sn50 + 4 D* --> 96Zr40 + 30Si14 + 70.763 MeV [22.047 MeV]
(A_Sn:1393)
118Sn50 + 4 D* --> 100Mo42 + 26Mg12 + 63.286 MeV [14.570 MeV]
(A_Sn:1394)
118Sn50 + 4 D* --> 104Ru44 + 22Ne10 + 57.000 MeV [8.285 MeV]
(A_Sn:1395)
118Sn50 + 4 D* --> 108Pd46 + 18O8 + 51.193 MeV [2.477 MeV]
(A_Sn:1396)
118Sn50 + 4 D* --> 110Pd46 + 16O8 + 53.973 MeV [5.258 MeV]
(A_Sn:1397)
118Sn50 + 4 D* --> 113Cd48 + 13C6 + 46.811 MeV [-1.904 MeV]
(A_Sn:1398)
118Sn50 + 4 D* --> 114Cd48 + 12C6 + 50.908 MeV [2.193 MeV]
(A_Sn:1399)
118Sn50 + 4 D* --> 115In49 + 11B5 + 41.756 MeV [-6.960 MeV]
(A_Sn:1400)
118Sn50 + 4 D* --> 117Sn50 + 9Be4 + 39.939 MeV [-8.776 MeV]
(A_Sn:1401)
118Sn50 + 4 D* --> 122Te52 + 4He2 + 48.776 MeV [00.061 MeV]
(A_Sn:1402)
118Sn50 + 4 D* --> 123Te52 + 3He2 + 35.128 MeV [-13.588 MeV]
(A_Sn:1403)
118Sn50 + 4 D* --> 126Xe54 + 50.055 MeV [1.340 MeV]
(A_Sn:1404)

118Sn50 + 5 D* --> 113Cd48 + 15N7 + 62.970 MeV [1.252 MeV]
(A_Sn:1405)
118Sn50 + 5 D* --> 114Cd48 + 14N7 + 61.180 MeV [-0.538 MeV]
(A_Sn:1406)
118Sn50 + 5 D* --> 115In49 + 13C6 + 60.434 MeV [-1.284 MeV]
(A_Sn:1407)
118Sn50 + 5 D* --> 117Sn50 + 11B5 + 55.755 MeV [-5.964 MeV]
(A_Sn:1408)
118Sn50 + 5 D* --> 118Sn50 + 10B5 + 53.628 MeV [-8.090 MeV]
(A_Sn:1409)
118Sn50 + 5 D* --> 122Te52 + 6Li3 + 50.250 MeV [-11.468 MeV]
(A_Sn:1410)
118Sn50 + 5 D* --> 126Xe54 + 2H1 + 50.055 MeV [-11.663 MeV]
(A_Sn:1411)

118Sn50 + 6 D* --> 76Ge32 + 54Cr24 + 117.304 MeV [42.259 MeV]
(A_Sn:1412)
118Sn50 + 6 D* --> 80Se34 + 50Ti22 + 116.345 MeV [41.300 MeV]
(A_Sn:1413)
118Sn50 + 6 D* --> 82Se34 + 48Ti22 + 113.240 MeV [38.196 MeV]
(A_Sn:1414)
118Sn50 + 6 D* --> 82Kr36 + 48Ca20 + 111.962 MeV [36.917 MeV]
(A_Sn:1415)
118Sn50 + 6 D* --> 84Kr36 + 46Ca20 + 112.724 MeV [37.680 MeV]
(A_Sn:1416)
118Sn50 + 6 D* --> 86Kr36 + 44Ca20 + 111.892 MeV [36.848 MeV]
(A_Sn:1417)
118Sn50 + 6 D* --> 94Zr40 + 36S16 + 105.089 MeV [30.045 MeV]
(A_Sn:1418)
118Sn50 + 6 D* --> 96Zr40 + 34S16 + 102.533 MeV [27.488 MeV]
(A_Sn:1419)
118Sn50 + 6 D* --> 100Mo42 + 30Si14 + 97.776 MeV [22.731 MeV]
(A_Sn:1420)
118Sn50 + 6 D* --> 104Ru44 + 26Mg12 + 91.462 MeV [16.417 MeV]
(A_Sn:1421)
118Sn50 + 6 D* --> 108Pd46 + 22Ne10 + 84.707 MeV [9.663 MeV]
(A_Sn:1422)
118Sn50 + 6 D* --> 110Pd46 + 20Ne10 + 82.549 MeV [7.505 MeV]
(A_Sn:1423)
118Sn50 + 6 D* --> 112Cd48 + 18O8 + 78.520 MeV [3.476 MeV]
(A_Sn:1424)
118Sn50 + 6 D* --> 113Cd48 + 17O8 + 77.016 MeV [1.972 MeV]
(A_Sn:1425)
118Sn50 + 6 D* --> 114Cd48 + 16O8 + 81.916 MeV [6.872 MeV]
(A_Sn:1426)
118Sn50 + 6 D* --> 115In49 + 15N7 + 76.593 MeV [1.549 MeV]
(A_Sn:1427)
118Sn50 + 6 D* --> 117Sn50 + 13C6 + 74.433 MeV [-0.611 MeV]
(A_Sn:1428)
118Sn50 + 6 D* --> 118Sn50 + 12C6 + 78.814 MeV [3.770 MeV]
(A_Sn:1429)
118Sn50 + 6 D* --> 126Xe54 + 4He2 + 73.902 MeV [-1.143 MeV]
(A_Sn:1430)
118Sn50 + 6 D* --> 130Ba56 + 74.420 MeV [-0.625 MeV]
(A_Sn:1431)

118Sn50 + 7 D* --> 82Se34 + 50V23 + 127.110 MeV [38.418 MeV]
(A_Sn:1432)
118Sn50 + 7 D* --> 113Cd48 + 19F9 + 90.831 MeV [2.139 MeV]
(A_Sn:1433)
118Sn50 + 7 D* --> 115In49 + 17O8 + 90.639 MeV [1.948 MeV]
(A_Sn:1434)
118Sn50 + 7 D* --> 117Sn50 + 15N7 + 90.593 MeV [1.901 MeV]
(A_Sn:1435)
118Sn50 + 7 D* --> 118Sn50 + 14N7 + 89.087 MeV [00.395 MeV]
(A_Sn:1436)
118Sn50 + 7 D* --> 122Te52 + 10B5 + 78.557 MeV [-10.134 MeV]
(A_Sn:1437)
118Sn50 + 7 D* --> 126Xe54 + 6Li3 + 75.376 MeV [-13.315 MeV]

(A_Sn:1438)
118Sn50 + 7 D* --> 130Ba56 + 2H1 + 74.420 MeV [-14.271 MeV]
(A_Sn:1439)

118Sn50 + 8 D* --> 70Zn30 + 64Ni28 + 150.094 MeV [47.438 MeV]
(A_Sn:1440)
118Sn50 + 8 D* --> 76Ge32 + 58Fe26 + 148.796 MeV [46.141 MeV]
(A_Sn:1441)
118Sn50 + 8 D* --> 80Se34 + 54Cr24 + 148.122 MeV [45.467 MeV]
(A_Sn:1442)
118Sn50 + 8 D* --> 82Se34 + 52Cr24 + 146.441 MeV [43.785 MeV]
(A_Sn:1443)
118Sn50 + 8 D* --> 84Kr36 + 50Ti22 + 147.287 MeV [44.632 MeV]
(A_Sn:1444)
118Sn50 + 8 D* --> 86Kr36 + 48Ti22 + 145.183 MeV [42.527 MeV]
(A_Sn:1445)
118Sn50 + 8 D* --> 86Sr38 + 48Ca20 + 142.167 MeV [39.512 MeV]
(A_Sn:1446)
118Sn50 + 8 D* --> 88Sr38 + 46Ca20 + 144.487 MeV [41.831 MeV]
(A_Sn:1447)
118Sn50 + 8 D* --> 94Zr40 + 40Ar18 + 135.736 MeV [33.081 MeV]
(A_Sn:1448)
118Sn50 + 8 D* --> 96Zr40 + 38Ar18 + 133.587 MeV [30.932 MeV]
(A_Sn:1449)
118Sn50 + 8 D* --> 98Mo42 + 36S16 + 132.206 MeV [29.550 MeV]
(A_Sn:1450)
118Sn50 + 8 D* --> 100Mo42 + 34S16 + 129.546 MeV [26.890 MeV]
(A_Sn:1451)
118Sn50 + 8 D* --> 104Ru44 + 30Si14 + 125.952 MeV [23.296 MeV]
(A_Sn:1452)
118Sn50 + 8 D* --> 108Pd46 + 26Mg12 + 119.169 MeV [16.513 MeV]
(A_Sn:1453)
118Sn50 + 8 D* --> 110Pd46 + 24Mg12 + 115.712 MeV [13.057 MeV]
(A_Sn:1454)
118Sn50 + 8 D* --> 112Cd48 + 22Ne10 + 112.035 MeV [9.379 MeV]
(A_Sn:1455)
118Sn50 + 8 D* --> 113Cd48 + 21Ne10 + 108.211 MeV [5.555 MeV]
(A_Sn:1456)
118Sn50 + 8 D* --> 114Cd48 + 20Ne10 + 110.493 MeV [7.837 MeV]
(A_Sn:1457)
118Sn50 + 8 D* --> 115In49 + 19F9 + 104.454 MeV [1.798 MeV]
(A_Sn:1458)
118Sn50 + 8 D* --> 116Sn50 + 18O8 + 105.739 MeV [3.084 MeV]
(A_Sn:1459)
118Sn50 + 8 D* --> 117Sn50 + 17O8 + 104.638 MeV [1.983 MeV]
(A_Sn:1460)
118Sn50 + 8 D* --> 118Sn50 + 16O8 + 109.823 MeV [7.167 MeV]
(A_Sn:1461)
118Sn50 + 8 D* --> 122Te52 + 12C6 + 103.744 MeV [1.088 MeV]
(A_Sn:1462)
118Sn50 + 8 D* --> 130Ba56 + 4He2 + 98.266 MeV [-4.389 MeV]
(A_Sn:1463)

118Sn50 + 9 D* --> 86Kr36 + 50V23 + 159.053 MeV [42.118 MeV]

(A_Sn:1464)
118Sn50 + 9 D* --> 87Rb37 + 49Ti22 + 159.722 MeV [42.787 MeV]
(A_Sn:1465)
118Sn50 + 9 D* --> 96Zr40 + 40K19 + 145.543 MeV [28.609 MeV]
(A_Sn:1466)
118Sn50 + 9 D* --> 113Cd48 + 23Na11 + 125.145 MeV [8.210 MeV]
(A_Sn:1467)
118Sn50 + 9 D* --> 115In49 + 21Ne10 + 121.834 MeV [4.899 MeV]
(A_Sn:1468)
118Sn50 + 9 D* --> 117Sn50 + 19F9 + 118.453 MeV [1.518 MeV]
(A_Sn:1469)
118Sn50 + 9 D* --> 122Te52 + 14N7 + 114.016 MeV [-2.919 MeV]
(A_Sn:1470)
118Sn50 + 9 D* --> 126Xe54 + 10B5 + 103.683 MeV [-13.251 MeV]
(A_Sn:1471)
118Sn50 + 9 D* --> 130Ba56 + 6Li3 + 99.740 MeV [-17.194 MeV]
(A_Sn:1472)

118Sn50 + 10 D* --> 70Zn30 + 68Zn30 + 179.273 MeV [47.747 MeV]
(A_Sn:1473)
118Sn50 + 10 D* --> 74Ge32 + 64Ni28 + 180.223 MeV [48.697 MeV]
(A_Sn:1474)
118Sn50 + 10 D* --> 76Ge32 + 62Ni28 + 179.660 MeV [48.134 MeV]
(A_Sn:1475)
118Sn50 + 10 D* --> 80Se34 + 58Fe26 + 179.615 MeV [48.089 MeV]
(A_Sn:1476)
118Sn50 + 10 D* --> 82Se34 + 56Fe26 + 177.901 MeV [46.375 MeV]
(A_Sn:1477)
118Sn50 + 10 D* --> 84Kr36 + 54Cr24 + 179.065 MeV [47.539 MeV]
(A_Sn:1478)
118Sn50 + 10 D* --> 86Kr36 + 52Cr24 + 178.384 MeV [46.858 MeV]
(A_Sn:1479)
118Sn50 + 10 D* --> 87Rb37 + 51V23 + 176.500 MeV [44.974 MeV]
(A_Sn:1480)
118Sn50 + 10 D* --> 88Sr38 + 50Ti22 + 179.050 MeV [47.524 MeV]
(A_Sn:1481)
118Sn50 + 10 D* --> 90Zr40 + 48Ca20 + 172.683 MeV [41.157 MeV]
(A_Sn:1482)
118Sn50 + 10 D* --> 92Zr40 + 46Ca20 + 171.290 MeV [39.764 MeV]
(A_Sn:1483)
118Sn50 + 10 D* --> 94Zr40 + 44Ca20 + 168.436 MeV [36.911 MeV]
(A_Sn:1484)
118Sn50 + 10 D* --> 96Zr40 + 42Ca20 + 163.691 MeV [32.165 MeV]
(A_Sn:1485)
118Sn50 + 10 D* --> 98Mo42 + 40Ar18 + 162.853 MeV [31.327 MeV]
(A_Sn:1486)
118Sn50 + 10 D* --> 100Mo42 + 38Ar18 + 160.600 MeV [29.074 MeV]
(A_Sn:1487)
118Sn50 + 10 D* --> 102Ru44 + 36S16 + 159.463 MeV [27.937 MeV]
(A_Sn:1488)
118Sn50 + 10 D* --> 104Ru44 + 34S16 + 157.722 MeV [26.196 MeV]
(A_Sn:1489)
118Sn50 + 10 D* --> 108Pd46 + 30Si14 + 153.658 MeV [22.132 MeV]
(A_Sn:1490)

118Sn50 + 10 D* --> 110Pd46 + 28Si14 + 149.543 MeV [18.017 MeV]
(A_Sn:1491)
118Sn50 + 10 D* --> 112Cd48 + 26Mg12 + 146.496 MeV [14.970 MeV]
(A_Sn:1492)
118Sn50 + 10 D* --> 113Cd48 + 25Mg12 + 141.943 MeV [10.417 MeV]
(A_Sn:1493)
118Sn50 + 10 D* --> 114Cd48 + 24Mg12 + 143.656 MeV [12.130 MeV]
(A_Sn:1494)
118Sn50 + 10 D* --> 115In49 + 23Na11 + 138.768 MeV [7.242 MeV]
(A_Sn:1495)
118Sn50 + 10 D* --> 116Sn50 + 22Ne10 + 139.254 MeV [7.728 MeV]
(A_Sn:1496)
118Sn50 + 10 D* --> 117Sn50 + 21Ne10 + 135.833 MeV [4.307 MeV]
(A_Sn:1497)
118Sn50 + 10 D* --> 118Sn50 + 20Ne10 + 138.399 MeV [6.873 MeV]
(A_Sn:1498)
118Sn50 + 10 D* --> 120Te52 + 18O8 + 129.887 MeV [-1.639 MeV]
(A_Sn:1499)
118Sn50 + 10 D* --> 122Te52 + 16O8 + 134.752 MeV [3.226 MeV]
(A_Sn:1500)
118Sn50 + 10 D* --> 126Xe54 + 12C6 + 128.870 MeV [-2.656 MeV]
(A_Sn:1501)

118Sn50 + 11 D* --> 87Rb37 + 53Cr24 + 192.719 MeV [46.293 MeV]
(A_Sn:1502)
118Sn50 + 11 D* --> 100Mo42 + 40K19 + 172.556 MeV [26.130 MeV]
(A_Sn:1503)
118Sn50 + 11 D* --> 113Cd48 + 27Al13 + 159.083 MeV [12.656 MeV]
(A_Sn:1504)
118Sn50 + 11 D* --> 115In49 + 25Mg12 + 155.566 MeV [9.140 MeV]
(A_Sn:1505)
118Sn50 + 11 D* --> 117Sn50 + 23Na11 + 152.767 MeV [6.340 MeV]
(A_Sn:1506)
118Sn50 + 11 D* --> 126Xe54 + 14N7 + 139.142 MeV [-7.285 MeV]
(A_Sn:1507)
118Sn50 + 11 D* --> 130Ba56 + 10B5 + 128.048 MeV [-18.379 MeV]
(A_Sn:1508)

118Sn50 + 12 D* --> 71Ga31 + 71Ga31 + 206.253 MeV [44.619 MeV]
(A_Sn:1509)
118Sn50 + 12 D* --> 72Ge32 + 70Zn30 + 208.123 MeV [46.489 MeV]
(A_Sn:1510)
118Sn50 + 12 D* --> 74Ge32 + 68Zn30 + 209.402 MeV [47.768 MeV]
(A_Sn:1511)
118Sn50 + 12 D* --> 76Ge32 + 66Zn30 + 208.085 MeV [46.451 MeV]
(A_Sn:1512)
118Sn50 + 12 D* --> 78Se34 + 64Ni28 + 210.098 MeV [48.463 MeV]
(A_Sn:1513)
118Sn50 + 12 D* --> 80Se34 + 62Ni28 + 210.479 MeV [48.844 MeV]
(A_Sn:1514)
118Sn50 + 12 D* --> 82Se34 + 60Ni28 + 208.039 MeV [46.404 MeV]
(A_Sn:1515)
118Sn50 + 12 D* --> 84Kr36 + 58Fe26 + 210.557 MeV [48.922 MeV]
(A_Sn:1516)

118Sn50 + 12 D* --> 86Kr36 + 56Fe26 + 209.844 MeV [48.209 MeV]
(A_Sn:1517)
118Sn50 + 12 D* --> 87Rb37 + 55Mn25 + 208.281 MeV [46.646 MeV]
(A_Sn:1518)
118Sn50 + 12 D* --> 88Sr38 + 54Cr24 + 210.827 MeV [49.192 MeV]
(A_Sn:1519)
118Sn50 + 12 D* --> 92Zr40 + 50Ti22 + 205.853 MeV [44.219 MeV]
(A_Sn:1520)
118Sn50 + 12 D* --> 94Zr40 + 48Ti22 + 201.727 MeV [40.093 MeV]
(A_Sn:1521)
118Sn50 + 12 D* --> 96Zr40 + 46Ti22 + 195.539 MeV [33.904 MeV]
(A_Sn:1522)
118Sn50 + 12 D* --> 94Mo42 + 48Ca20 + 198.596 MeV [36.962 MeV]
(A_Sn:1523)
118Sn50 + 12 D* --> 96Mo42 + 46Ca20 + 197.898 MeV [36.264 MeV]
(A_Sn:1524)
118Sn50 + 12 D* --> 98Mo42 + 44Ca20 + 195.553 MeV [33.918 MeV]
(A_Sn:1525)
118Sn50 + 12 D* --> 100Mo42 + 42Ca20 + 190.704 MeV [29.069 MeV]
(A_Sn:1526)
118Sn50 + 12 D* --> 102Ru44 + 40Ar18 + 190.111 MeV [28.476 MeV]
(A_Sn:1527)
118Sn50 + 12 D* --> 104Ru44 + 38Ar18 + 188.776 MeV [27.142 MeV]
(A_Sn:1528)
118Sn50 + 12 D* --> 106Pd46 + 36S16 + 186.539 MeV [24.905 MeV]
(A_Sn:1529)
118Sn50 + 12 D* --> 108Pd46 + 34S16 + 185.429 MeV [23.794 MeV]
(A_Sn:1530)
118Sn50 + 12 D* --> 110Pd46 + 32S16 + 180.337 MeV [18.703 MeV]
(A_Sn:1531)
118Sn50 + 12 D* --> 112Cd48 + 30Si14 + 180.986 MeV [19.352 MeV]
(A_Sn:1532)
118Sn50 + 12 D* --> 113Cd48 + 29Si14 + 176.917 MeV [15.282 MeV]
(A_Sn:1533)
118Sn50 + 12 D* --> 114Cd48 + 28Si14 + 177.486 MeV [15.852 MeV]
(A_Sn:1534)
118Sn50 + 12 D* --> 115In49 + 27Al13 + 172.706 MeV [11.071 MeV]
(A_Sn:1535)
118Sn50 + 12 D* --> 116Sn50 + 26Mg12 + 173.715 MeV [12.081 MeV]
(A_Sn:1536)
118Sn50 + 12 D* --> 117Sn50 + 25Mg12 + 169.565 MeV [7.931 MeV]
(A_Sn:1537)
118Sn50 + 12 D* --> 118Sn50 + 24Mg12 + 171.562 MeV [9.928 MeV]
(A_Sn:1538)
118Sn50 + 12 D* --> 120Te52 + 22Ne10 + 163.402 MeV [1.767 MeV]
(A_Sn:1539)
118Sn50 + 12 D* --> 122Te52 + 20Ne10 + 163.329 MeV [1.694 MeV]
(A_Sn:1540)
118Sn50 + 12 D* --> 124Xe54 + 18O8 + 154.414 MeV [-7.220 MeV]
(A_Sn:1541)
118Sn50 + 12 D* --> 126Xe54 + 16O8 + 159.878 MeV [-1.756 MeV]
(A_Sn:1542)
118Sn50 + 12 D* --> 130Ba56 + 12C6 + 153.234 MeV [-8.400 MeV]
(A_Sn:1543)

119Sn50 + D* --> 110Pd46 + 11B5 + 2.749 MeV [-8.897 MeV]
(A_Sn:1544)
119Sn50 + D* --> 120Sn50 + 1H1 + 6.883 MeV [-4.762 MeV]
(A_Sn:1545)
119Sn50 + D* --> 121Sb51 + 12.662 MeV [1.017 MeV]
(A_Sn:1546)

119Sn50 + 2 D* --> 110Pd46 + 13C6 + 21.427 MeV [-2.200 MeV]
(A_Sn:1547)
119Sn50 + 2 D* --> 114Cd48 + 9Be4 + 14.876 MeV [-8.751 MeV]
(A_Sn:1548)
119Sn50 + 2 D* --> 119Sn50 + 4He2 + 23.847 MeV [00.219 MeV]
(A_Sn:1549)
119Sn50 + 2 D* --> 120Sn50 + 3He2 + 12.377 MeV [-11.251 MeV]
(A_Sn:1550)
119Sn50 + 2 D* --> 121Sb51 + 2H1 + 12.662 MeV [-10.965 MeV]
(A_Sn:1551)
119Sn50 + 2 D* --> 123Te52 + 25.375 MeV [1.747 MeV]
(A_Sn:1552)

119Sn50 + 3 D* --> 110Pd46 + 15N7 + 37.587 MeV [1.644 MeV]
(A_Sn:1553)
119Sn50 + 3 D* --> 114Cd48 + 11B5 + 30.692 MeV [-5.251 MeV]
(A_Sn:1554)
119Sn50 + 3 D* --> 118Sn50 + 7Li3 + 26.087 MeV [-9.856 MeV]
(A_Sn:1555)
119Sn50 + 3 D* --> 119Sn50 + 6Li3 + 25.320 MeV [-10.622 MeV]
(A_Sn:1556)
119Sn50 + 3 D* --> 121Sb51 + 4He2 + 36.509 MeV [00.567 MeV]
(A_Sn:1557)
119Sn50 + 3 D* --> 123Te52 + 2H1 + 25.375 MeV [-10.567 MeV]
(A_Sn:1558)
119Sn50 + 3 D* --> 124Te52 + 1H1 + 32.574 MeV [-3.368 MeV]
(A_Sn:1559)

119Sn50 + 4 D* --> 110Pd46 + 17O8 + 51.633 MeV [3.045 MeV]
(A_Sn:1560)
119Sn50 + 4 D* --> 114Cd48 + 13C6 + 49.370 MeV [00.783 MeV]
(A_Sn:1561)
119Sn50 + 4 D* --> 118Sn50 + 9Be4 + 42.783 MeV [-5.804 MeV]
(A_Sn:1562)
119Sn50 + 4 D* --> 121Sb51 + 6Li3 + 37.983 MeV [-10.604 MeV]
(A_Sn:1563)
119Sn50 + 4 D* --> 123Te52 + 4He2 + 49.222 MeV [00.634 MeV]
(A_Sn:1564)
119Sn50 + 4 D* --> 124Te52 + 3He2 + 38.068 MeV [-10.519 MeV]
(A_Sn:1565)

119Sn50 + 5 D* --> 81Br35 + 48Ca20 + 97.799 MeV [36.241 MeV]
(A_Sn:1566)
119Sn50 + 5 D* --> 110Pd46 + 19F9 + 65.447 MeV [3.889 MeV]
(A_Sn:1567)
119Sn50 + 5 D* --> 114Cd48 + 15N7 + 65.530 MeV [3.971 MeV]

(A_Sn:1568)
119Sn50 + 5 D* --> 118Sn50 + 11B5 + 58.598 MeV [-2.960 MeV]
(A_Sn:1569)
119Sn50 + 5 D* --> 119Sn50 + 10B5 + 53.628 MeV [-7.930 MeV]
(A_Sn:1570)
119Sn50 + 5 D* --> 122Te52 + 7Li3 + 51.016 MeV [-10.542 MeV]
(A_Sn:1571)
119Sn50 + 5 D* --> 123Te52 + 6Li3 + 50.695 MeV [-10.863 MeV]
(A_Sn:1572)
119Sn50 + 5 D* --> 128Xe54 + 1H1 + 58.181 MeV [-3.377 MeV]
(A_Sn:1573)

119Sn50 + 6 D* --> 82Se34 + 49Ti22 + 114.899 MeV [40.046 MeV]
(A_Sn:1574)
119Sn50 + 6 D* --> 83Kr36 + 48Ca20 + 112.942 MeV [38.089 MeV]
(A_Sn:1575)
119Sn50 + 6 D* --> 110Pd46 + 21Ne10 + 82.827 MeV [7.974 MeV]
(A_Sn:1576)
119Sn50 + 6 D* --> 113Cd48 + 18O8 + 78.577 MeV [3.724 MeV]
(A_Sn:1577)
119Sn50 + 6 D* --> 114Cd48 + 17O8 + 79.576 MeV [4.723 MeV]
(A_Sn:1578)
119Sn50 + 6 D* --> 118Sn50 + 13C6 + 77.277 MeV [2.424 MeV]
(A_Sn:1579)
119Sn50 + 6 D* --> 119Sn50 + 12C6 + 78.814 MeV [3.961 MeV]
(A_Sn:1580)
119Sn50 + 6 D* --> 121Sb51 + 10B5 + 66.290 MeV [-8.563 MeV]
(A_Sn:1581)
119Sn50 + 6 D* --> 122Te52 + 9Be4 + 67.712 MeV [-7.141 MeV]
(A_Sn:1582)
119Sn50 + 6 D* --> 128Xe54 + 3He2 + 63.675 MeV [-11.178 MeV]
(A_Sn:1583)

119Sn50 + 7 D* --> 82Se34 + 51V23 + 131.677 MeV [43.209 MeV]
(A_Sn:1584)
119Sn50 + 7 D* --> 85Rb37 + 48Ca20 + 128.263 MeV [39.795 MeV]
(A_Sn:1585)
119Sn50 + 7 D* --> 87Rb37 + 46Ca20 + 129.615 MeV [41.146 MeV]
(A_Sn:1586)
119Sn50 + 7 D* --> 96Zr40 + 37Cl17 + 119.086 MeV [30.618 MeV]
(A_Sn:1587)
119Sn50 + 7 D* --> 110Pd46 + 23Na11 + 99.761 MeV [11.292 MeV]
(A_Sn:1588)
119Sn50 + 7 D* --> 114Cd48 + 19F9 + 93.390 MeV [4.922 MeV]
(A_Sn:1589)
119Sn50 + 7 D* --> 115In49 + 18O8 + 92.200 MeV [3.731 MeV]
(A_Sn:1590)
119Sn50 + 7 D* --> 118Sn50 + 15N7 + 93.436 MeV [4.968 MeV]
(A_Sn:1591)
119Sn50 + 7 D* --> 119Sn50 + 14N7 + 89.087 MeV [00.618 MeV]
(A_Sn:1592)
119Sn50 + 7 D* --> 121Sb51 + 12C6 + 91.477 MeV [3.008 MeV]
(A_Sn:1593)
119Sn50 + 7 D* --> 122Te52 + 11B5 + 83.528 MeV [-4.941 MeV]

(A_Sn:1594)
119Sn50 + 7 D* --> 123Te52 + 10B5 + 79.003 MeV [-9.466 MeV]
(A_Sn:1595)
119Sn50 + 7 D* --> 126Xe54 + 7Li3 + 76.142 MeV [-12.326 MeV]
(A_Sn:1596)
119Sn50 + 7 D* --> 132Ba56 + 1H1 + 83.028 MeV [-5.441 MeV]
(A_Sn:1597)

119Sn50 + 8 D* --> 82Se34 + 53Cr24 + 147.896 MeV [45.495 MeV]
(A_Sn:1598)
119Sn50 + 8 D* --> 86Kr36 + 49Ti22 + 146.842 MeV [44.440 MeV]
(A_Sn:1599)
119Sn50 + 8 D* --> 87Sr38 + 48Ca20 + 144.112 MeV [41.711 MeV]
(A_Sn:1600)
119Sn50 + 8 D* --> 110Pd46 + 25Mg12 + 116.559 MeV [14.158 MeV]
(A_Sn:1601)
119Sn50 + 8 D* --> 113Cd48 + 22Ne10 + 112.091 MeV [9.690 MeV]
(A_Sn:1602)
119Sn50 + 8 D* --> 114Cd48 + 21Ne10 + 110.770 MeV [8.369 MeV]
(A_Sn:1603)
119Sn50 + 8 D* --> 117Sn50 + 18O8 + 106.199 MeV [3.797 MeV]
(A_Sn:1604)
119Sn50 + 8 D* --> 118Sn50 + 17O8 + 107.482 MeV [5.081 MeV]
(A_Sn:1605)
119Sn50 + 8 D* --> 119Sn50 + 16O8 + 109.823 MeV [7.421 MeV]
(A_Sn:1606)
119Sn50 + 8 D* --> 121Sb51 + 14N7 + 101.749 MeV [-0.652 MeV]
(A_Sn:1607)
119Sn50 + 8 D* --> 122Te52 + 13C6 + 102.206 MeV [-0.195 MeV]
(A_Sn:1608)
119Sn50 + 8 D* --> 123Te52 + 12C6 + 104.189 MeV [1.788 MeV]
(A_Sn:1609)
119Sn50 + 8 D* --> 126Xe54 + 9Be4 + 92.838 MeV [-9.563 MeV]
(A_Sn:1610)
119Sn50 + 8 D* --> 132Ba56 + 3He2 + 88.521 MeV [-13.880 MeV]
(A_Sn:1611)

119Sn50 + 9 D* --> 82Se34 + 55Mn25 + 163.458 MeV [46.808 MeV]
(A_Sn:1612)
119Sn50 + 9 D* --> 86Kr36 + 51V23 + 163.620 MeV [46.971 MeV]
(A_Sn:1613)
119Sn50 + 9 D* --> 87Rb37 + 50Ti22 + 164.178 MeV [47.528 MeV]
(A_Sn:1614)
119Sn50 + 9 D* --> 89Y39 + 48Ca20 + 160.069 MeV [43.420 MeV]
(A_Sn:1615)
119Sn50 + 9 D* --> 96Zr40 + 41K19 + 149.155 MeV [32.506 MeV]
(A_Sn:1616)
119Sn50 + 9 D* --> 100Mo42 + 37Cl17 + 146.099 MeV [29.449 MeV]
(A_Sn:1617)
119Sn50 + 9 D* --> 110Pd46 + 27Al13 + 133.699 MeV [17.049 MeV]
(A_Sn:1618)
119Sn50 + 9 D* --> 114Cd48 + 23Na11 + 127.704 MeV [11.054 MeV]
(A_Sn:1619)
119Sn50 + 9 D* --> 115In49 + 22Ne10 + 125.714 MeV [9.065 MeV]

(A_Sn:1620)
119Sn50 + 9 D* --> 118Sn50 + 19F9 + 121.297 MeV [4.647 MeV]
(A_Sn:1621)
119Sn50 + 9 D* --> 121Sb51 + 16O8 + 122.485 MeV [5.836 MeV]
(A_Sn:1622)
119Sn50 + 9 D* --> 122Te52 + 15N7 + 118.366 MeV [1.716 MeV]
(A_Sn:1623)
119Sn50 + 9 D* --> 123Te52 + 14N7 + 114.462 MeV [-2.188 MeV]
(A_Sn:1624)
119Sn50 + 9 D* --> 126Xe54 + 11B5 + 108.654 MeV [-7.996 MeV]
(A_Sn:1625)
119Sn50 + 9 D* --> 130Ba56 + 7Li3 + 100.507 MeV [-16.143 MeV]
(A_Sn:1626)
119Sn50 + 9 D* --> 136Ce58 + 1H1 + 107.332 MeV [-9.317 MeV]
(A_Sn:1627)

119Sn50 + 10 D* --> 82Se34 + 57Fe26 + 179.063 MeV [47.853 MeV]
(A_Sn:1628)
119Sn50 + 10 D* --> 86Kr36 + 53Cr24 + 179.839 MeV [48.629 MeV]
(A_Sn:1629)
119Sn50 + 10 D* --> 91Zr40 + 48Ca20 + 173.393 MeV [42.184 MeV]
(A_Sn:1630)
119Sn50 + 10 D* --> 96Zr40 + 43Ca20 + 165.140 MeV [33.931 MeV]
(A_Sn:1631)
119Sn50 + 10 D* --> 110Pd46 + 29Si14 + 151.533 MeV [20.323 MeV]
(A_Sn:1632)
119Sn50 + 10 D* --> 113Cd48 + 26Mg12 + 146.553 MeV [15.343 MeV]
(A_Sn:1633)
119Sn50 + 10 D* --> 114Cd48 + 25Mg12 + 144.503 MeV [13.293 MeV]
(A_Sn:1634)
119Sn50 + 10 D* --> 117Sn50 + 22Ne10 + 139.714 MeV [8.504 MeV]
(A_Sn:1635)
119Sn50 + 10 D* --> 118Sn50 + 21Ne10 + 138.677 MeV [7.467 MeV]
(A_Sn:1636)
119Sn50 + 10 D* --> 119Sn50 + 20Ne10 + 138.399 MeV [7.189 MeV]
(A_Sn:1637)
119Sn50 + 10 D* --> 122Te52 + 17O8 + 132.412 MeV [1.202 MeV]
(A_Sn:1638)
119Sn50 + 10 D* --> 123Te52 + 16O8 + 135.198 MeV [3.988 MeV]
(A_Sn:1639)
119Sn50 + 10 D* --> 126Xe54 + 13C6 + 127.332 MeV [-3.877 MeV]
(A_Sn:1640)
119Sn50 + 10 D* --> 130Ba56 + 9Be4 + 117.203 MeV [-14.007 MeV]
(A_Sn:1641)
119Sn50 + 10 D* --> 136Ce58 + 3He2 + 112.826 MeV [-18.384 MeV]
(A_Sn:1642)

119Sn50 + 11 D* --> 71Ga31 + 70Zn30 + 194.129 MeV [48.050 MeV]
(A_Sn:1643)
119Sn50 + 11 D* --> 76Ge32 + 65Cu29 + 194.901 MeV [48.822 MeV]
(A_Sn:1644)
119Sn50 + 11 D* --> 82Se34 + 59Co27 + 194.247 MeV [48.167 MeV]
(A_Sn:1645)
119Sn50 + 11 D* --> 86Kr36 + 55Mn25 + 195.401 MeV [49.321 MeV]

(A_Sn:1646)
 119Sn50 + 11 D* --> 87Rb37 + 54Cr24 + 195.955 MeV [49.875 MeV]
(A_Sn:1647)
 119Sn50 + 11 D* --> 96Zr40 + 45Sc21 + 180.935 MeV [34.855 MeV]
(A_Sn:1648)
 119Sn50 + 11 D* --> 93Nb41 + 48Ca20 + 185.847 MeV [39.767 MeV]
(A_Sn:1649)
 119Sn50 + 11 D* --> 100Mo42 + 41K19 + 176.168 MeV [30.088 MeV]
(A_Sn:1650)
 119Sn50 + 11 D* --> 104Ru44 + 37Cl17 + 174.275 MeV [28.195 MeV]
(A_Sn:1651)
 119Sn50 + 11 D* --> 110Pd46 + 31P15 + 167.215 MeV [21.135 MeV]
(A_Sn:1652)
 119Sn50 + 11 D* --> 114Cd48 + 27Al13 + 161.642 MeV [15.562 MeV]
(A_Sn:1653)
 119Sn50 + 11 D* --> 115In49 + 26Mg12 + 160.176 MeV [14.096 MeV]
(A_Sn:1654)
 119Sn50 + 11 D* --> 118Sn50 + 23Na11 + 155.610 MeV [9.531 MeV]
(A_Sn:1655)
 119Sn50 + 11 D* --> 121Sb51 + 20Ne10 + 151.062 MeV [4.982 MeV]
(A_Sn:1656)
 119Sn50 + 11 D* --> 122Te52 + 19F9 + 146.226 MeV [00.146 MeV]
(A_Sn:1657)
 119Sn50 + 11 D* --> 126Xe54 + 15N7 + 143.492 MeV [-2.588 MeV]
(A_Sn:1658)
 119Sn50 + 11 D* --> 130Ba56 + 11B5 + 133.018 MeV [-13.062 MeV]
(A_Sn:1659)

 119Sn50 + 12 D* --> 73Ge32 + 70Zn30 + 208.422 MeV [47.166 MeV]
(A_Sn:1660)
 119Sn50 + 12 D* --> 76Ge32 + 67Zn30 + 208.654 MeV [47.397 MeV]
(A_Sn:1661)
 119Sn50 + 12 D* --> 82Se34 + 61Ni28 + 209.375 MeV [48.118 MeV]
(A_Sn:1662)
 119Sn50 + 12 D* --> 86Kr36 + 57Fe26 + 211.006 MeV [49.749 MeV]
(A_Sn:1663)
 119Sn50 + 12 D* --> 94Zr40 + 49Ti22 + 203.386 MeV [42.129 MeV]
(A_Sn:1664)
 119Sn50 + 12 D* --> 96Zr40 + 47Ti22 + 197.935 MeV [36.679 MeV]
(A_Sn:1665)
 119Sn50 + 12 D* --> 95Mo42 + 48Ca20 + 199.482 MeV [38.225 MeV]
(A_Sn:1666)
 119Sn50 + 12 D* --> 97Mo42 + 46Ca20 + 198.236 MeV [36.979 MeV]
(A_Sn:1667)
 119Sn50 + 12 D* --> 100Mo42 + 43Ca20 + 192.153 MeV [30.896 MeV]
(A_Sn:1668)
 119Sn50 + 12 D* --> 110Pd46 + 33S16 + 182.495 MeV [21.239 MeV]
(A_Sn:1669)
 119Sn50 + 12 D* --> 113Cd48 + 30Si14 + 181.043 MeV [19.786 MeV]
(A_Sn:1670)
 119Sn50 + 12 D* --> 114Cd48 + 29Si14 + 179.476 MeV [18.219 MeV]
(A_Sn:1671)
 119Sn50 + 12 D* --> 117Sn50 + 26Mg12 + 174.175 MeV [12.918 MeV]
(A_Sn:1672)

119Sn50 + 12 D* --> 118Sn50 + 25Mg12 + 172.409 MeV [11.152 MeV]
(A_Sn:1673)
119Sn50 + 12 D* --> 119Sn50 + 24Mg12 + 171.562 MeV [10.305 MeV]
(A_Sn:1674)
119Sn50 + 12 D* --> 122Te52 + 21Ne10 + 163.606 MeV [2.349 MeV]
(A_Sn:1675)
119Sn50 + 12 D* --> 123Te52 + 20Ne10 + 163.774 MeV [2.517 MeV]
(A_Sn:1676)
119Sn50 + 12 D* --> 126Xe54 + 17O8 + 157.538 MeV [-3.719 MeV]
(A_Sn:1677)
119Sn50 + 12 D* --> 130Ba56 + 13C6 + 151.697 MeV [-9.560 MeV]
(A_Sn:1678)

120Sn50 + 2 D* --> 76Ge32 + 48Ca20 + 52.594 MeV [29.030 MeV]
(A_Sn:1679)
120Sn50 + 2 D* --> 120Sn50 + 4He2 + 23.847 MeV [00.283 MeV]
(A_Sn:1680)
120Sn50 + 2 D* --> 123Sb51 + 1H1 + 17.102 MeV [-6.462 MeV]
(A_Sn:1681)
120Sn50 + 2 D* --> 124Te52 + 25.691 MeV [2.127 MeV]
(A_Sn:1682)

120Sn50 + 3 D* --> 116Cd48 + 10B5 + 24.971 MeV [-10.876 MeV]
(A_Sn:1683)
120Sn50 + 3 D* --> 119Sn50 + 7Li3 + 23.462 MeV [-12.385 MeV]
(A_Sn:1684)
120Sn50 + 3 D* --> 120Sn50 + 6Li3 + 25.320 MeV [-10.527 MeV]
(A_Sn:1685)
120Sn50 + 3 D* --> 123Sb51 + 3He2 + 22.595 MeV [-13.252 MeV]
(A_Sn:1686)
120Sn50 + 3 D* --> 124Te52 + 2H1 + 25.691 MeV [-10.156 MeV]
(A_Sn:1687)
120Sn50 + 3 D* --> 125Te52 + 1H1 + 30.035 MeV [-5.812 MeV]
(A_Sn:1688)

120Sn50 + 4 D* --> 80Se34 + 48Ca20 + 83.412 MeV [34.952 MeV]
(A_Sn:1689)
120Sn50 + 4 D* --> 82Se34 + 46Ca20 + 82.167 MeV [33.707 MeV]
(A_Sn:1690)
120Sn50 + 4 D* --> 110Pd46 + 18O8 + 50.569 MeV [2.108 MeV]
(A_Sn:1691)
120Sn50 + 4 D* --> 116Cd48 + 12C6 + 50.157 MeV [1.697 MeV]
(A_Sn:1692)
120Sn50 + 4 D* --> 119Sn50 + 9Be4 + 40.159 MeV [-8.302 MeV]
(A_Sn:1693)
120Sn50 + 4 D* --> 121Sb51 + 7Li3 + 36.125 MeV [-12.335 MeV]
(A_Sn:1694)
120Sn50 + 4 D* --> 124Te52 + 4He2 + 49.537 MeV [1.077 MeV]
(A_Sn:1695)
120Sn50 + 4 D* --> 125Te52 + 3He2 + 35.529 MeV [-12.931 MeV]
(A_Sn:1696)
120Sn50 + 4 D* --> 127I53 + 1H1 + 43.132 MeV [-5.328 MeV]
(A_Sn:1697)

120Sn50 + 4 D* --> 128Xe54 + 51.298 MeV [2.838 MeV]
(A_Sn:1698)

120Sn50 + 5 D* --> 116Cd48 + 14N7 + 60.430 MeV [-0.971 MeV]
(A_Sn:1699)
120Sn50 + 5 D* --> 119Sn50 + 11B5 + 55.974 MeV [-5.426 MeV]
(A_Sn:1700)
120Sn50 + 5 D* --> 120Sn50 + 10B5 + 53.628 MeV [-7.772 MeV]
(A_Sn:1701)
120Sn50 + 5 D* --> 121Sb51 + 9Be4 + 52.821 MeV [-8.579 MeV]
(A_Sn:1702)
120Sn50 + 5 D* --> 123Te52 + 7Li3 + 48.837 MeV [-12.563 MeV]
(A_Sn:1703)
120Sn50 + 5 D* --> 124Te52 + 6Li3 + 51.011 MeV [-10.389 MeV]
(A_Sn:1704)
120Sn50 + 5 D* --> 127I53 + 3He2 + 48.625 MeV [-12.775 MeV]
(A_Sn:1705)
120Sn50 + 5 D* --> 128Xe54 + 2H1 + 51.298 MeV [-10.102 MeV]
(A_Sn:1706)
120Sn50 + 5 D* --> 129Xe54 + 1H1 + 55.982 MeV [-5.418 MeV]
(A_Sn:1707)

120Sn50 + 6 D* --> 82Se34 + 50Ti22 + 116.730 MeV [42.066 MeV]
(A_Sn:1708)
120Sn50 + 6 D* --> 84Kr36 + 48Ca20 + 114.354 MeV [39.691 MeV]
(A_Sn:1709)
120Sn50 + 6 D* --> 86Kr36 + 46Ca20 + 114.110 MeV [39.446 MeV]
(A_Sn:1710)
120Sn50 + 6 D* --> 96Zr40 + 36S16 + 103.816 MeV [29.153 MeV]
(A_Sn:1711)
120Sn50 + 6 D* --> 110Pd46 + 22Ne10 + 84.083 MeV [9.420 MeV]
(A_Sn:1712)
120Sn50 + 6 D* --> 114Cd48 + 18O8 + 78.512 MeV [3.848 MeV]
(A_Sn:1713)
120Sn50 + 6 D* --> 116Cd48 + 16O8 + 81.166 MeV [6.502 MeV]
(A_Sn:1714)
120Sn50 + 6 D* --> 119Sn50 + 13C6 + 74.653 MeV [-0.011 MeV]
(A_Sn:1715)
120Sn50 + 6 D* --> 120Sn50 + 12C6 + 78.814 MeV [4.151 MeV]
(A_Sn:1716)
120Sn50 + 6 D* --> 121Sb51 + 11B5 + 68.636 MeV [-6.027 MeV]
(A_Sn:1717)
120Sn50 + 6 D* --> 123Te52 + 9Be4 + 65.534 MeV [-9.130 MeV]
(A_Sn:1718)
120Sn50 + 6 D* --> 128Xe54 + 4He2 + 75.144 MeV [00.481 MeV]
(A_Sn:1719)
120Sn50 + 6 D* --> 129Xe54 + 3He2 + 61.475 MeV [-13.188 MeV]
(A_Sn:1720)
120Sn50 + 6 D* --> 132Ba56 + 76.144 MeV [1.481 MeV]
(A_Sn:1721)

120Sn50 + 7 D* --> 119Sn50 + 15N7 + 90.812 MeV [2.564 MeV]
(A_Sn:1722)
120Sn50 + 7 D* --> 120Sn50 + 14N7 + 89.087 MeV [00.839 MeV]

(A_Sn:1723)
120Sn50 + 7 D* --> 121Sb51 + 13C6 + 87.315 MeV [-0.933 MeV]
(A_Sn:1724)
120Sn50 + 7 D* --> 123Te52 + 11B5 + 81.349 MeV [-6.899 MeV]
(A_Sn:1725)
120Sn50 + 7 D* --> 124Te52 + 10B5 + 79.319 MeV [-8.929 MeV]
(A_Sn:1726)
120Sn50 + 7 D* --> 128Xe54 + 6Li3 + 76.618 MeV [-11.630 MeV]
(A_Sn:1727)
120Sn50 + 7 D* --> 132Ba56 + 2H1 + 76.144 MeV [-12.104 MeV]
(A_Sn:1728)

120Sn50 + 8 D* --> 82Se34 + 54Cr24 + 148.507 MeV [46.357 MeV]
(A_Sn:1729)
120Sn50 + 8 D* --> 86Kr36 + 50Ti22 + 148.673 MeV [46.523 MeV]
(A_Sn:1730)
120Sn50 + 8 D* --> 88Sr38 + 48Ca20 + 146.117 MeV [43.967 MeV]
(A_Sn:1731)
120Sn50 + 8 D* --> 96Zr40 + 40Ar18 + 134.463 MeV [32.314 MeV]
(A_Sn:1732)
120Sn50 + 8 D* --> 100Mo42 + 36S16 + 130.829 MeV [28.679 MeV]
(A_Sn:1733)
120Sn50 + 8 D* --> 110Pd46 + 26Mg12 + 118.544 MeV [16.395 MeV]
(A_Sn:1734)
120Sn50 + 8 D* --> 114Cd48 + 22Ne10 + 112.026 MeV [9.877 MeV]
(A_Sn:1735)
120Sn50 + 8 D* --> 116Cd48 + 20Ne10 + 109.742 MeV [7.592 MeV]
(A_Sn:1736)
120Sn50 + 8 D* --> 118Sn50 + 18O8 + 106.418 MeV [4.268 MeV]
(A_Sn:1737)
120Sn50 + 8 D* --> 119Sn50 + 17O8 + 104.858 MeV [2.708 MeV]
(A_Sn:1738)
120Sn50 + 8 D* --> 120Sn50 + 16O8 + 109.823 MeV [7.673 MeV]
(A_Sn:1739)
120Sn50 + 8 D* --> 121Sb51 + 15N7 + 103.474 MeV [1.325 MeV]
(A_Sn:1740)
120Sn50 + 8 D* --> 123Te52 + 13C6 + 100.028 MeV [-2.122 MeV]
(A_Sn:1741)
120Sn50 + 8 D* --> 124Te52 + 12C6 + 104.505 MeV [2.355 MeV]
(A_Sn:1742)
120Sn50 + 8 D* --> 132Ba56 + 4He2 + 99.991 MeV [-2.159 MeV]
(A_Sn:1743)
120Sn50 + 8 D* --> 136Ce58 + 100.449 MeV [-1.701 MeV]
(A_Sn:1744)

120Sn50 + 9 D* --> 119Sn50 + 19F9 + 118.672 MeV [2.305 MeV]
(A_Sn:1745)
120Sn50 + 9 D* --> 121Sb51 + 17O8 + 117.520 MeV [1.153 MeV]
(A_Sn:1746)
120Sn50 + 9 D* --> 123Te52 + 15N7 + 116.187 MeV [-0.180 MeV]
(A_Sn:1747)
120Sn50 + 9 D* --> 124Te52 + 14N7 + 114.778 MeV [-1.589 MeV]
(A_Sn:1748)
120Sn50 + 9 D* --> 128Xe54 + 10B5 + 104.926 MeV [-11.441 MeV]

(A_Sn:1749)
120Sn50 + 9 D* --> 132Ba56 + 6Li3 + 101.464 MeV [-14.903 MeV]
(A_Sn:1750)
120Sn50 + 9 D* --> 136Ce58 + 2H1 + 100.449 MeV [-15.918 MeV]
(A_Sn:1751)

120Sn50 + 10 D* --> 70Zn30 + 70Zn30 + 179.381 MeV [48.485 MeV]
(A_Sn:1752)
120Sn50 + 10 D* --> 76Ge32 + 64Ni28 + 180.564 MeV [49.668 MeV]
(A_Sn:1753)
120Sn50 + 10 D* --> 82Se34 + 58Fe26 + 180.000 MeV [49.103 MeV]
(A_Sn:1754)
120Sn50 + 10 D* --> 86Kr36 + 54Cr24 + 180.450 MeV [49.554 MeV]
(A_Sn:1755)
120Sn50 + 10 D* --> 92Zr40 + 48Ca20 + 172.920 MeV [42.024 MeV]
(A_Sn:1756)
120Sn50 + 10 D* --> 94Zr40 + 46Ca20 + 170.654 MeV [39.757 MeV]
(A_Sn:1757)
120Sn50 + 10 D* --> 96Zr40 + 44Ca20 + 167.163 MeV [36.267 MeV]
(A_Sn:1758)
120Sn50 + 10 D* --> 100Mo42 + 40Ar18 + 161.476 MeV [30.580 MeV]
(A_Sn:1759)
120Sn50 + 10 D* --> 104Ru44 + 36S16 + 159.005 MeV [28.108 MeV]
(A_Sn:1760)
120Sn50 + 10 D* --> 110Pd46 + 30Si14 + 153.034 MeV [22.138 MeV]
(A_Sn:1761)
120Sn50 + 10 D* --> 114Cd48 + 26Mg12 + 146.488 MeV [15.591 MeV]
(A_Sn:1762)
120Sn50 + 10 D* --> 116Cd48 + 24Mg12 + 142.905 MeV [12.008 MeV]
(A_Sn:1763)
120Sn50 + 10 D* --> 118Sn50 + 22Ne10 + 139.933 MeV [9.036 MeV]
(A_Sn:1764)
120Sn50 + 10 D* --> 119Sn50 + 21Ne10 + 136.052 MeV [5.156 MeV]
(A_Sn:1765)
120Sn50 + 10 D* --> 120Sn50 + 20Ne10 + 138.399 MeV [7.503 MeV]
(A_Sn:1766)
120Sn50 + 10 D* --> 121Sb51 + 19F9 + 131.335 MeV [00.438 MeV]
(A_Sn:1767)
120Sn50 + 10 D* --> 122Te52 + 18O8 + 131.348 MeV [00.451 MeV]
(A_Sn:1768)
120Sn50 + 10 D* --> 123Te52 + 17O8 + 130.233 MeV [-0.664 MeV]
(A_Sn:1769)
120Sn50 + 10 D* --> 124Te52 + 16O8 + 135.514 MeV [4.617 MeV]
(A_Sn:1770)
120Sn50 + 10 D* --> 128Xe54 + 12C6 + 130.112 MeV [-0.784 MeV]
(A_Sn:1771)
120Sn50 + 10 D* --> 136Ce58 + 4He2 + 124.296 MeV [-6.601 MeV]
(A_Sn:1772)

120Sn50 + 11 D* --> 119Sn50 + 23Na11 + 152.986 MeV [7.250 MeV]
(A_Sn:1773)
120Sn50 + 11 D* --> 121Sb51 + 21Ne10 + 148.715 MeV [2.979 MeV]
(A_Sn:1774)
120Sn50 + 11 D* --> 123Te52 + 19F9 + 144.047 MeV [-1.689 MeV]

(A_Sn:1775)
 120Sn50 + 11 D* --> 128Xe54 + 14N7 + 140.384 MeV [-5.352 MeV]
(A_Sn:1776)
 120Sn50 + 11 D* --> 132Ba56 + 10B5 + 129.772 MeV [-15.964 MeV]
(A_Sn:1777)
 120Sn50 + 11 D* --> 136Ce58 + 6Li3 + 125.769 MeV [-19.967 MeV]
(A_Sn:1778)

 120Sn50 + 12 D* --> 74Ge32 + 70Zn30 + 209.511 MeV [48.628 MeV]
(A_Sn:1779)
 120Sn50 + 12 D* --> 76Ge32 + 68Zn30 + 209.744 MeV [48.861 MeV]
(A_Sn:1780)
 120Sn50 + 12 D* --> 80Se34 + 64Ni28 + 211.383 MeV [50.500 MeV]
(A_Sn:1781)
 120Sn50 + 12 D* --> 82Se34 + 62Ni28 + 210.864 MeV [49.981 MeV]
(A_Sn:1782)
 120Sn50 + 12 D* --> 86Kr36 + 58Fe26 + 211.943 MeV [51.060 MeV]
(A_Sn:1783)
 120Sn50 + 12 D* --> 94Zr40 + 50Ti22 + 205.217 MeV [44.334 MeV]
(A_Sn:1784)
 120Sn50 + 12 D* --> 96Zr40 + 48Ti22 + 200.454 MeV [39.571 MeV]
(A_Sn:1785)
 120Sn50 + 12 D* --> 96Mo42 + 48Ca20 + 199.528 MeV [38.645 MeV]
(A_Sn:1786)
 120Sn50 + 12 D* --> 98Mo42 + 46Ca20 + 197.770 MeV [36.888 MeV]
(A_Sn:1787)
 120Sn50 + 12 D* --> 100Mo42 + 44Ca20 + 194.176 MeV [33.294 MeV]
(A_Sn:1788)
 120Sn50 + 12 D* --> 104Ru44 + 40Ar18 + 189.652 MeV [28.770 MeV]
(A_Sn:1789)
 120Sn50 + 12 D* --> 108Pd46 + 36S16 + 186.712 MeV [25.829 MeV]
(A_Sn:1790)
 120Sn50 + 12 D* --> 110Pd46 + 34S16 + 184.805 MeV [23.922 MeV]
(A_Sn:1791)
 120Sn50 + 12 D* --> 114Cd48 + 30Si14 + 180.977 MeV [20.095 MeV]
(A_Sn:1792)
 120Sn50 + 12 D* --> 116Cd48 + 28Si14 + 176.736 MeV [15.853 MeV]
(A_Sn:1793)
 120Sn50 + 12 D* --> 118Sn50 + 26Mg12 + 174.394 MeV [13.512 MeV]
(A_Sn:1794)
 120Sn50 + 12 D* --> 119Sn50 + 25Mg12 + 169.785 MeV [8.902 MeV]
(A_Sn:1795)
 120Sn50 + 12 D* --> 120Sn50 + 24Mg12 + 171.562 MeV [10.680 MeV]
(A_Sn:1796)
 120Sn50 + 12 D* --> 121Sb51 + 23Na11 + 165.649 MeV [4.766 MeV]
(A_Sn:1797)
 120Sn50 + 12 D* --> 122Te52 + 22Ne10 + 164.862 MeV [3.980 MeV]
(A_Sn:1798)
 120Sn50 + 12 D* --> 123Te52 + 21Ne10 + 161.427 MeV [00.545 MeV]
(A_Sn:1799)
 120Sn50 + 12 D* --> 124Te52 + 20Ne10 + 164.090 MeV [3.207 MeV]
(A_Sn:1800)
 120Sn50 + 12 D* --> 126Xe54 + 18O8 + 156.474 MeV [-4.409 MeV]
(A_Sn:1801)

120Sn50 + 12 D* --> 128Xe54 + 16O8 + 161.121 MeV [00.238 MeV]
(A_Sn:1802)
120Sn50 + 12 D* --> 132Ba56 + 12C6 + 154.958 MeV [-5.924 MeV]
(A_Sn:1803)
120Sn50 + 12 D* --> 144Sm62 + 148.496 MeV [-12.387 MeV]
(A_Sn:1804)

122Sn50 + 2 D* --> 122Sn50 + 4He2 + 23.847 MeV [00.408 MeV]
(A_Sn:1805)
122Sn50 + 2 D* --> 126Te52 + 26.390 MeV [2.952 MeV]
(A_Sn:1806)

122Sn50 + 3 D* --> 122Sn50 + 6Li3 + 25.320 MeV [-10.339 MeV]
(A_Sn:1807)
122Sn50 + 3 D* --> 126Te52 + 2H1 + 26.390 MeV [-9.269 MeV]
(A_Sn:1808)

122Sn50 + 4 D* --> 82Se34 + 48Ca20 + 84.405 MeV [36.195 MeV]
(A_Sn:1809)
122Sn50 + 4 D* --> 123Sb51 + 7Li3 + 36.913 MeV [-11.297 MeV]
(A_Sn:1810)
122Sn50 + 4 D* --> 126Te52 + 4He2 + 50.237 MeV [2.026 MeV]
(A_Sn:1811)
122Sn50 + 4 D* --> 130Xe54 + 52.479 MeV [4.268 MeV]
(A_Sn:1812)

122Sn50 + 5 D* --> 122Sn50 + 10B5 + 53.628 MeV [-7.460 MeV]
(A_Sn:1813)
122Sn50 + 5 D* --> 123Sb51 + 9Be4 + 53.609 MeV [-7.479 MeV]
(A_Sn:1814)
122Sn50 + 5 D* --> 125Te52 + 7Li3 + 49.847 MeV [-11.242 MeV]
(A_Sn:1815)
122Sn50 + 5 D* --> 126Te52 + 6Li3 + 51.710 MeV [-9.378 MeV]
(A_Sn:1816)
122Sn50 + 5 D* --> 130Xe54 + 2H1 + 52.479 MeV [-8.610 MeV]
(A_Sn:1817)
122Sn50 + 5 D* --> 131Xe54 + 1H1 + 56.859 MeV [-4.229 MeV]
(A_Sn:1818)

122Sn50 + 6 D* --> 86Kr36 + 48Ca20 + 116.348 MeV [42.058 MeV]
(A_Sn:1819)
122Sn50 + 6 D* --> 116Cd48 + 18O8 + 78.369 MeV [4.079 MeV]
(A_Sn:1820)
122Sn50 + 6 D* --> 122Sn50 + 12C6 + 78.814 MeV [4.524 MeV]
(A_Sn:1821)
122Sn50 + 6 D* --> 123Sb51 + 11B5 + 69.425 MeV [-4.866 MeV]
(A_Sn:1822)
122Sn50 + 6 D* --> 125Te52 + 9Be4 + 66.543 MeV [-7.747 MeV]
(A_Sn:1823)
122Sn50 + 6 D* --> 127I53 + 7Li3 + 62.943 MeV [-11.347 MeV]
(A_Sn:1824)
122Sn50 + 6 D* --> 130Xe54 + 4He2 + 76.325 MeV [2.035 MeV]
(A_Sn:1825)

122Sn50 + 6 D* --> 131Xe54 + 3He2 + 62.352 MeV [-11.938 MeV]
(A_Sn:1826)
122Sn50 + 6 D* --> 133Cs55 + 1H1 + 69.650 MeV [-4.640 MeV]
(A_Sn:1827)
122Sn50 + 6 D* --> 134Ba56 + 77.818 MeV [3.528 MeV]
(A_Sn:1828)

122Sn50 + 7 D* --> 122Sn50 + 14N7 + 89.087 MeV [1.274 MeV]
(A_Sn:1829)
122Sn50 + 7 D* --> 123Sb51 + 13C6 + 88.103 MeV [00.290 MeV]
(A_Sn:1830)
122Sn50 + 7 D* --> 125Te52 + 11B5 + 82.358 MeV [-5.455 MeV]
(A_Sn:1831)
122Sn50 + 7 D* --> 126Te52 + 10B5 + 80.018 MeV [-7.795 MeV]
(A_Sn:1832)
122Sn50 + 7 D* --> 127I53 + 9Be4 + 79.640 MeV [-8.173 MeV]
(A_Sn:1833)
122Sn50 + 7 D* --> 129Xe54 + 7Li3 + 75.793 MeV [-12.020 MeV]
(A_Sn:1834)
122Sn50 + 7 D* --> 130Xe54 + 6Li3 + 77.799 MeV [-10.014 MeV]
(A_Sn:1835)
122Sn50 + 7 D* --> 133Cs55 + 3He2 + 75.144 MeV [-12.669 MeV]
(A_Sn:1836)
122Sn50 + 7 D* --> 134Ba56 + 2H1 + 77.818 MeV [-9.995 MeV]
(A_Sn:1837)
122Sn50 + 7 D* --> 135Ba56 + 1H1 + 82.566 MeV [-5.247 MeV]
(A_Sn:1838)

122Sn50 + 8 D* --> 116Cd48 + 22Ne10 + 111.884 MeV [10.230 MeV]
(A_Sn:1839)
122Sn50 + 8 D* --> 120Sn50 + 18O8 + 107.026 MeV [5.372 MeV]
(A_Sn:1840)
122Sn50 + 8 D* --> 122Sn50 + 16O8 + 109.823 MeV [8.169 MeV]
(A_Sn:1841)
122Sn50 + 8 D* --> 123Sb51 + 15N7 + 104.262 MeV [2.609 MeV]
(A_Sn:1842)
122Sn50 + 8 D* --> 125Te52 + 13C6 + 101.037 MeV [-0.617 MeV]
(A_Sn:1843)
122Sn50 + 8 D* --> 126Te52 + 12C6 + 105.204 MeV [3.550 MeV]
(A_Sn:1844)
122Sn50 + 8 D* --> 127I53 + 11B5 + 95.455 MeV [-6.199 MeV]
(A_Sn:1845)
122Sn50 + 8 D* --> 129Xe54 + 9Be4 + 92.490 MeV [-9.164 MeV]
(A_Sn:1846)
122Sn50 + 8 D* --> 134Ba56 + 4He2 + 101.665 MeV [00.011 MeV]
(A_Sn:1847)
122Sn50 + 8 D* --> 135Ba56 + 3He2 + 88.059 MeV [-13.595 MeV]
(A_Sn:1848)
122Sn50 + 8 D* --> 138Ce58 + 102.708 MeV [1.054 MeV]
(A_Sn:1849)

122Sn50 + 9 D* --> 123Sb51 + 17O8 + 118.308 MeV [2.498 MeV]
(A_Sn:1850)
122Sn50 + 9 D* --> 125Te52 + 15N7 + 117.196 MeV [1.386 MeV]

(A_Sn:1851)
122Sn50 + 9 D* --> 126Te52 + 14N7 + 115.477 MeV [-0.334 MeV]
(A_Sn:1852)
122Sn50 + 9 D* --> 127I53 + 13C6 + 114.134 MeV [-1.677 MeV]
(A_Sn:1853)
122Sn50 + 9 D* --> 129Xe54 + 11B5 + 108.305 MeV [-7.505 MeV]
(A_Sn:1854)
122Sn50 + 9 D* --> 130Xe54 + 10B5 + 106.107 MeV [-9.704 MeV]
(A_Sn:1855)
122Sn50 + 9 D* --> 134Ba56 + 6Li3 + 103.139 MeV [-12.672 MeV]
(A_Sn:1856)
122Sn50 + 9 D* --> 138Ce58 + 2H1 + 102.708 MeV [-13.102 MeV]
(A_Sn:1857)

122Sn50 + 10 D* --> 94Zr40 + 48Ca20 + 172.892 MeV [42.613 MeV]
(A_Sn:1858)
122Sn50 + 10 D* --> 96Zr40 + 46Ca20 + 169.989 MeV [39.710 MeV]
(A_Sn:1859)
122Sn50 + 10 D* --> 116Cd48 + 26Mg12 + 146.345 MeV [16.066 MeV]
(A_Sn:1860)
122Sn50 + 10 D* --> 120Sn50 + 22Ne10 + 140.541 MeV [10.262 MeV]
(A_Sn:1861)
122Sn50 + 10 D* --> 122Sn50 + 20Ne10 + 138.399 MeV [8.120 MeV]
(A_Sn:1862)
122Sn50 + 10 D* --> 123Sb51 + 19F9 + 132.123 MeV [1.844 MeV]
(A_Sn:1863)
122Sn50 + 10 D* --> 124Te52 + 18O8 + 132.717 MeV [2.438 MeV]
(A_Sn:1864)
122Sn50 + 10 D* --> 125Te52 + 17O8 + 131.242 MeV [00.963 MeV]
(A_Sn:1865)
122Sn50 + 10 D* --> 126Te52 + 16O8 + 136.213 MeV [5.934 MeV]
(A_Sn:1866)
122Sn50 + 10 D* --> 127I53 + 15N7 + 130.293 MeV [00.014 MeV]
(A_Sn:1867)
122Sn50 + 10 D* --> 129Xe54 + 13C6 + 126.984 MeV [-3.296 MeV]
(A_Sn:1868)
122Sn50 + 10 D* --> 130Xe54 + 12C6 + 131.293 MeV [1.014 MeV]
(A_Sn:1869)
122Sn50 + 10 D* --> 138Ce58 + 4He2 + 126.555 MeV [-3.724 MeV]
(A_Sn:1870)
122Sn50 + 10 D* --> 141Pr59 + 1H1 + 120.143 MeV [-10.136 MeV]
(A_Sn:1871)
122Sn50 + 10 D* --> 142Nd60 + 127.366 MeV [-2.913 MeV]
(A_Sn:1872)

122Sn50 + 11 D* --> 123Sb51 + 21Ne10 + 149.503 MeV [4.445 MeV]
(A_Sn:1873)
122Sn50 + 11 D* --> 125Te52 + 19F9 + 145.057 MeV [-0.002 MeV]
(A_Sn:1874)
122Sn50 + 11 D* --> 127I53 + 17O8 + 144.339 MeV [-0.719 MeV]
(A_Sn:1875)
122Sn50 + 11 D* --> 129Xe54 + 15N7 + 143.143 MeV [-1.915 MeV]
(A_Sn:1876)
122Sn50 + 11 D* --> 130Xe54 + 14N7 + 141.565 MeV [-3.493 MeV]

(A_Sn:1877)
 122Sn50 + 11 D* --> 134Ba56 + 10B5 + 131.446 MeV [-13.612 MeV]
(A_Sn:1878)
 122Sn50 + 11 D* --> 138Ce58 + 6Li3 + 128.029 MeV [-17.029 MeV]
(A_Sn:1879)
 122Sn50 + 11 D* --> 141Pr59 + 3He2 + 125.637 MeV [-19.422 MeV]
(A_Sn:1880)
 122Sn50 + 11 D* --> 142Nd60 + 2H1 + 127.366 MeV [-17.692 MeV]
(A_Sn:1881)
 122Sn50 + 11 D* --> 143Nd60 + 1H1 + 131.265 MeV [-13.793 MeV]
(A_Sn:1882)

 122Sn50 + 12 D* --> 76Ge32 + 70Zn30 + 210.460 MeV [50.316 MeV]
(A_Sn:1883)
 122Sn50 + 12 D* --> 82Se34 + 64Ni28 + 212.376 MeV [52.231 MeV]
(A_Sn:1884)
 122Sn50 + 12 D* --> 96Zr40 + 50Ti22 + 204.552 MeV [44.407 MeV]
(A_Sn:1885)
 122Sn50 + 12 D* --> 98Mo42 + 48Ca20 + 200.009 MeV [39.864 MeV]
(A_Sn:1886)
 122Sn50 + 12 D* --> 100Mo42 + 46Ca20 + 197.002 MeV [36.857 MeV]
(A_Sn:1887)
 122Sn50 + 12 D* --> 110Pd46 + 36S16 + 186.696 MeV [26.551 MeV]
(A_Sn:1888)
 122Sn50 + 12 D* --> 116Cd48 + 30Si14 + 180.835 MeV [20.690 MeV]
(A_Sn:1889)
 122Sn50 + 12 D* --> 120Sn50 + 26Mg12 + 175.002 MeV [14.858 MeV]
(A_Sn:1890)
 122Sn50 + 12 D* --> 122Sn50 + 24Mg12 + 171.562 MeV [11.418 MeV]
(A_Sn:1891)
 122Sn50 + 12 D* --> 123Sb51 + 23Na11 + 166.437 MeV [6.292 MeV]
(A_Sn:1892)
 122Sn50 + 12 D* --> 124Te52 + 22Ne10 + 166.232 MeV [6.087 MeV]
(A_Sn:1893)
 122Sn50 + 12 D* --> 125Te52 + 21Ne10 + 162.437 MeV [2.292 MeV]
(A_Sn:1894)
 122Sn50 + 12 D* --> 126Te52 + 20Ne10 + 164.789 MeV [4.645 MeV]
(A_Sn:1895)
 122Sn50 + 12 D* --> 127I53 + 19F9 + 158.153 MeV [-1.991 MeV]
(A_Sn:1896)
 122Sn50 + 12 D* --> 128Xe54 + 18O8 + 158.324 MeV [-1.820 MeV]
(A_Sn:1897)
 122Sn50 + 12 D* --> 129Xe54 + 17O8 + 157.189 MeV [-2.956 MeV]
(A_Sn:1898)
 122Sn50 + 12 D* --> 130Xe54 + 16O8 + 162.301 MeV [2.157 MeV]
(A_Sn:1899)
 122Sn50 + 12 D* --> 134Ba56 + 12C6 + 156.633 MeV [-3.512 MeV]
(A_Sn:1900)
 122Sn50 + 12 D* --> 142Nd60 + 4He2 + 151.213 MeV [-8.932 MeV]
(A_Sn:1901)
 122Sn50 + 12 D* --> 143Nd60 + 3He2 + 136.759 MeV [-23.386 MeV]
(A_Sn:1902)

124Sn50 + 2 D* --> 124Sn50 + 4He2 + 23.847 MeV [00.531 MeV]
(A_Sn:1903)
124Sn50 + 2 D* --> 128Te52 + 27.027 MeV [3.711 MeV]
(A_Sn:1904)

124Sn50 + 3 D* --> 124Sn50 + 6Li3 + 25.320 MeV [-10.155 MeV]
(A_Sn:1905)
124Sn50 + 3 D* --> 128Te52 + 2H1 + 27.027 MeV [-8.449 MeV]
(A_Sn:1906)

124Sn50 + 4 D* --> 128Te52 + 4He2 + 50.873 MeV [2.908 MeV]
(A_Sn:1907)
124Sn50 + 4 D* --> 132Xe54 + 53.587 MeV [5.621 MeV]
(A_Sn:1908)

124Sn50 + 5 D* --> 124Sn50 + 10B5 + 53.628 MeV [-7.155 MeV]
(A_Sn:1909)
124Sn50 + 5 D* --> 128Te52 + 6Li3 + 52.347 MeV [-8.436 MeV]
(A_Sn:1910)
124Sn50 + 5 D* --> 132Xe54 + 2H1 + 53.587 MeV [-7.196 MeV]
(A_Sn:1911)

124Sn50 + 6 D* --> 124Sn50 + 12C6 + 78.814 MeV [4.890 MeV]
(A_Sn:1912)
124Sn50 + 6 D* --> 132Xe54 + 4He2 + 77.433 MeV [3.509 MeV]
(A_Sn:1913)
124Sn50 + 6 D* --> 136Ba56 + 79.465 MeV [5.540 MeV]
(A_Sn:1914)

124Sn50 + 7 D* --> 124Sn50 + 14N7 + 89.087 MeV [1.700 MeV]
(A_Sn:1915)
124Sn50 + 7 D* --> 128Te52 + 10B5 + 80.655 MeV [-6.732 MeV]
(A_Sn:1916)
124Sn50 + 7 D* --> 131Xe54 + 7Li3 + 77.220 MeV [-10.166 MeV]
(A_Sn:1917)
124Sn50 + 7 D* --> 132Xe54 + 6Li3 + 78.907 MeV [-8.480 MeV]
(A_Sn:1918)
124Sn50 + 7 D* --> 136Ba56 + 2H1 + 79.465 MeV [-7.922 MeV]
(A_Sn:1919)
124Sn50 + 7 D* --> 137Ba56 + 1H1 + 84.146 MeV [-3.241 MeV]
(A_Sn:1920)
124Sn50 + 7 D* --> 138La57 + 90.238 MeV [2.851 MeV]
(A_Sn:1921)

124Sn50 + 8 D* --> 122Sn50 + 18O8 + 107.576 MeV [6.409 MeV]
(A_Sn:1922)
124Sn50 + 8 D* --> 124Sn50 + 16O8 + 109.823 MeV [8.655 MeV]
(A_Sn:1923)
124Sn50 + 8 D* --> 128Te52 + 12C6 + 105.841 MeV [4.674 MeV]
(A_Sn:1924)
124Sn50 + 8 D* --> 131Xe54 + 9Be4 + 93.917 MeV [-7.251 MeV]
(A_Sn:1925)
124Sn50 + 8 D* --> 133Cs55 + 7Li3 + 90.012 MeV [-11.156 MeV]
(A_Sn:1926)

124Sn50 + 8 D* --> 136Ba56 + 4He2 + 103.311 MeV [2.143 MeV]
(A_Sn:1927)
124Sn50 + 8 D* --> 137Ba56 + 3He2 + 89.639 MeV [-11.529 MeV]
(A_Sn:1928)
124Sn50 + 8 D* --> 138La57 + 2H1 + 90.238 MeV [-10.930 MeV]
(A_Sn:1929)
124Sn50 + 8 D* --> 139La57 + 1H1 + 96.791 MeV [-4.376 MeV]
(A_Sn:1930)
124Sn50 + 8 D* --> 140Ce58 + 104.932 MeV [3.765 MeV]
(A_Sn:1931)

124Sn50 + 9 D* --> 128Te52 + 14N7 + 116.113 MeV [00.849 MeV]
(A_Sn:1932)
124Sn50 + 9 D* --> 131Xe54 + 11B5 + 109.732 MeV [-5.532 MeV]
(A_Sn:1933)
124Sn50 + 9 D* --> 132Xe54 + 10B5 + 107.214 MeV [-8.049 MeV]
(A_Sn:1934)
124Sn50 + 9 D* --> 133Cs55 + 9Be4 + 106.708 MeV [-8.556 MeV]
(A_Sn:1935)
124Sn50 + 9 D* --> 135Ba56 + 7Li3 + 102.927 MeV [-12.337 MeV]
(A_Sn:1936)
124Sn50 + 9 D* --> 136Ba56 + 6Li3 + 104.785 MeV [-10.479 MeV]
(A_Sn:1937)
124Sn50 + 9 D* --> 138La57 + 4He2 + 114.085 MeV [-1.179 MeV]
(A_Sn:1938)
124Sn50 + 9 D* --> 139La57 + 3He2 + 102.285 MeV [-12.979 MeV]
(A_Sn:1939)
124Sn50 + 9 D* --> 140Ce58 + 2H1 + 104.932 MeV [-10.332 MeV]
(A_Sn:1940)

124Sn50 + 10 D* --> 96Zr40 + 48Ca20 + 172.777 MeV [43.104 MeV]
(A_Sn:1941)
124Sn50 + 10 D* --> 122Sn50 + 22Ne10 + 141.091 MeV [11.418 MeV]
(A_Sn:1942)
124Sn50 + 10 D* --> 124Sn50 + 20Ne10 + 138.399 MeV [8.726 MeV]
(A_Sn:1943)
124Sn50 + 10 D* --> 126Te52 + 18O8 + 133.967 MeV [4.293 MeV]
(A_Sn:1944)
124Sn50 + 10 D* --> 128Te52 + 16O8 + 136.850 MeV [7.176 MeV]
(A_Sn:1945)
124Sn50 + 10 D* --> 131Xe54 + 13C6 + 128.411 MeV [-1.263 MeV]
(A_Sn:1946)
124Sn50 + 10 D* --> 132Xe54 + 12C6 + 132.401 MeV [2.728 MeV]
(A_Sn:1947)
124Sn50 + 10 D* --> 133Cs55 + 11B5 + 122.523 MeV [-7.150 MeV]
(A_Sn:1948)
124Sn50 + 10 D* --> 135Ba56 + 9Be4 + 119.623 MeV [-10.050 MeV]
(A_Sn:1949)
124Sn50 + 10 D* --> 138La57 + 6Li3 + 115.558 MeV [-14.115 MeV]
(A_Sn:1950)
124Sn50 + 10 D* --> 140Ce58 + 4He2 + 128.779 MeV [-0.894 MeV]
(A_Sn:1951)
124Sn50 + 10 D* --> 144Nd60 + 126.874 MeV [-2.800 MeV]
(A_Sn:1952)

124Sn50 + 11 D* --> 131Xe54 + 15N7 + 144.570 MeV [00.177 MeV]
(A_Sn:1953)
124Sn50 + 11 D* --> 132Xe54 + 14N7 + 142.673 MeV [-1.720 MeV]
(A_Sn:1954)
124Sn50 + 11 D* --> 133Cs55 + 13C6 + 141.202 MeV [-3.191 MeV]
(A_Sn:1955)
124Sn50 + 11 D* --> 135Ba56 + 11B5 + 135.439 MeV [-8.954 MeV]
(A_Sn:1956)
124Sn50 + 11 D* --> 136Ba56 + 10B5 + 133.092 MeV [-11.300 MeV]
(A_Sn:1957)
124Sn50 + 11 D* --> 140Ce58 + 6Li3 + 130.253 MeV [-14.140 MeV]
(A_Sn:1958)
124Sn50 + 11 D* --> 144Nd60 + 2H1 + 126.874 MeV [-17.519 MeV]
(A_Sn:1959)
124Sn50 + 11 D* --> 145Nd60 + 1H1 + 130.404 MeV [-13.988 MeV]
(A_Sn:1960)

124Sn50 + 12 D* --> 100Mo42 + 48Ca20 + 199.790 MeV [40.370 MeV]
(A_Sn:1961)
124Sn50 + 12 D* --> 122Sn50 + 26Mg12 + 175.552 MeV [16.132 MeV]
(A_Sn:1962)
124Sn50 + 12 D* --> 124Sn50 + 24Mg12 + 171.562 MeV [12.142 MeV]
(A_Sn:1963)
124Sn50 + 12 D* --> 126Te52 + 22Ne10 + 167.481 MeV [8.061 MeV]
(A_Sn:1964)
124Sn50 + 12 D* --> 128Te52 + 20Ne10 + 165.426 MeV [6.006 MeV]
(A_Sn:1965)
124Sn50 + 12 D* --> 130Xe54 + 18O8 + 160.055 MeV [00.635 MeV]
(A_Sn:1966)
124Sn50 + 12 D* --> 131Xe54 + 17O8 + 158.616 MeV [-0.804 MeV]
(A_Sn:1967)
124Sn50 + 12 D* --> 132Xe54 + 16O8 + 163.409 MeV [3.989 MeV]
(A_Sn:1968)
124Sn50 + 12 D* --> 133Cs55 + 15N7 + 157.361 MeV [-2.059 MeV]
(A_Sn:1969)
124Sn50 + 12 D* --> 135Ba56 + 13C6 + 154.117 MeV [-5.303 MeV]
(A_Sn:1970)
124Sn50 + 12 D* --> 136Ba56 + 12C6 + 158.279 MeV [-1.141 MeV]
(A_Sn:1971)
124Sn50 + 12 D* --> 138La57 + 10B5 + 143.866 MeV [-15.554 MeV]
(A_Sn:1972)
124Sn50 + 12 D* --> 141Pr59 + 7Li3 + 140.505 MeV [-18.915 MeV]
(A_Sn:1973)
124Sn50 + 12 D* --> 144Nd60 + 4He2 + 150.720 MeV [-8.700 MeV]
(A_Sn:1974)
124Sn50 + 12 D* --> 145Nd60 + 3He2 + 135.898 MeV [-23.522 MeV]
(A_Sn:1975)
124Sn50 + 12 D* --> 148Sm62 + 148.734 MeV [-10.686 MeV]
(A_Sn:1976)

---------- Equations follow for Antimony, Sb, element 51 ----------

121Sb51 + D* --> 110Pd46 + 13C6 + 8.765 MeV [-3.049 MeV] (A_Sb:1)

121Sb51 + D* --> 114Cd48 + 9Be4 + 2.214 MeV [-9.600 MeV] (A_Sb:2)
121Sb51 + D* --> 119Sn50 + 4He2 + 11.184 MeV [-0.630 MeV] (A_Sb:3)
121Sb51 + D* --> 123Te52 + 12.713 MeV [00.899 MeV] (A_Sb:4)

121Sb51 + 2 D* --> 110Pd46 + 15N7 + 24.924 MeV [00.962 MeV] (A_Sb:5)
121Sb51 + 2 D* --> 114Cd48 + 11B5 + 18.029 MeV [-5.932 MeV] (A_Sb:6)
121Sb51 + 2 D* --> 118Sn50 + 7Li3 + 13.424 MeV [-10.537 MeV] (A_Sb:7)
121Sb51 + 2 D* --> 119Sn50 + 6Li3 + 12.658 MeV [-11.304 MeV] (A_Sb:8)
121Sb51 + 2 D* --> 121Sb51 + 4He2 + 23.847 MeV [-0.115 MeV] (A_Sb:9)
121Sb51 + 2 D* --> 123Te52 + 2H1 + 12.713 MeV [-11.249 MeV] (A_Sb:10)
121Sb51 + 2 D* --> 124Te52 + 1H1 + 19.912 MeV [-4.050 MeV] (A_Sb:11)

121Sb51 + 3 D* --> 110Pd46 + 17O8 + 38.970 MeV [2.530 MeV] (A_Sb:12)
121Sb51 + 3 D* --> 114Cd48 + 13C6 + 36.708 MeV [00.268 MeV] (A_Sb:13)
121Sb51 + 3 D* --> 118Sn50 + 9Be4 + 30.120 MeV [-6.320 MeV] (A_Sb:14)
121Sb51 + 3 D* --> 121Sb51 + 6Li3 + 25.320 MeV [-11.120 MeV] (A_Sb:15)
121Sb51 + 3 D* --> 123Te52 + 4He2 + 36.559 MeV [00.119 MeV] (A_Sb:16)
121Sb51 + 3 D* --> 124Te52 + 3He2 + 25.405 MeV [-11.035 MeV] (A_Sb:17)

121Sb51 + 4 D* --> 81Br35 + 48Ca20 + 85.137 MeV [35.890 MeV] (A_Sb:18)
121Sb51 + 4 D* --> 110Pd46 + 19F9 + 52.784 MeV [3.538 MeV] (A_Sb:19)
121Sb51 + 4 D* --> 114Cd48 + 15N7 + 52.867 MeV [3.621 MeV] (A_Sb:20)
121Sb51 + 4 D* --> 118Sn50 + 11B5 + 45.936 MeV [-3.311 MeV] (A_Sb:21)
121Sb51 + 4 D* --> 119Sn50 + 10B5 + 40.965 MeV [-8.281 MeV] (A_Sb:22)
121Sb51 + 4 D* --> 122Te52 + 7Li3 + 38.354 MeV [-10.893 MeV] (A_Sb:23)
121Sb51 + 4 D* --> 123Te52 + 6Li3 + 38.033 MeV [-11.214 MeV] (A_Sb:24)
121Sb51 + 4 D* --> 128Xe54 + 1H1 + 45.519 MeV [-3.728 MeV] (A_Sb:25)

121Sb51 + 5 D* --> 82Se34 + 49Ti22 + 102.236 MeV [39.859 MeV] (A_Sb:26)
121Sb51 + 5 D* --> 83Kr36 + 48Ca20 + 100.279 MeV [37.902 MeV] (A_Sb:27)
121Sb51 + 5 D* --> 110Pd46 + 21Ne10 + 70.164 MeV [7.787 MeV] (A_Sb:28)
121Sb51 + 5 D* --> 113Cd48 + 18O8 + 65.914 MeV [3.537 MeV] (A_Sb:29)
121Sb51 + 5 D* --> 114Cd48 + 17O8 + 66.913 MeV [4.536 MeV] (A_Sb:30)
121Sb51 + 5 D* --> 118Sn50 + 13C6 + 64.615 MeV [2.237 MeV] (A_Sb:31)
121Sb51 + 5 D* --> 119Sn50 + 12C6 + 66.152 MeV [3.774 MeV] (A_Sb:32)
121Sb51 + 5 D* --> 121Sb51 + 10B5 + 53.628 MeV [-8.750 MeV] (A_Sb:33)
121Sb51 + 5 D* --> 122Te52 + 9Be4 + 55.050 MeV [-7.328 MeV] (A_Sb:34)
121Sb51 + 5 D* --> 128Xe54 + 3He2 + 51.012 MeV [-11.365 MeV] (A_Sb:35)

121Sb51 + 6 D* --> 82Se34 + 51V23 + 119.015 MeV [43.185 MeV] (A_Sb:36)
121Sb51 + 6 D* --> 85Rb37 + 48Ca20 + 115.601 MeV [39.771 MeV] (A_Sb:37)
121Sb51 + 6 D* --> 87Rb37 + 46Ca20 + 116.952 MeV [41.122 MeV] (A_Sb:38)
121Sb51 + 6 D* --> 96Zr40 + 37Cl17 + 106.424 MeV [30.594 MeV] (A_Sb:39)
121Sb51 + 6 D* --> 110Pd46 + 23Na11 + 87.098 MeV [11.268 MeV] (A_Sb:40)
121Sb51 + 6 D* --> 114Cd48 + 19F9 + 80.728 MeV [4.898 MeV] (A_Sb:41)
121Sb51 + 6 D* --> 115In49 + 18O8 + 79.537 MeV [3.707 MeV] (A_Sb:42)
121Sb51 + 6 D* --> 118Sn50 + 15N7 + 80.774 MeV [4.944 MeV] (A_Sb:43)
121Sb51 + 6 D* --> 119Sn50 + 14N7 + 76.424 MeV [00.594 MeV] (A_Sb:44)
121Sb51 + 6 D* --> 121Sb51 + 12C6 + 78.814 MeV [2.984 MeV] (A_Sb:45)
121Sb51 + 6 D* --> 122Te52 + 11B5 + 70.865 MeV [-4.965 MeV] (A_Sb:46)
121Sb51 + 6 D* --> 123Te52 + 10B5 + 66.340 MeV [-9.490 MeV] (A_Sb:47)
121Sb51 + 6 D* --> 126Xe54 + 7Li3 + 63.480 MeV [-12.350 MeV] (A_Sb:48)
121Sb51 + 6 D* --> 132Ba56 + 1H1 + 70.365 MeV [-5.465 MeV] (A_Sb:49)

121Sb51 + 7 D* --> 82Se34 + 53Cr24 + 135.234 MeV [45.632 MeV] (A_Sb:50)
121Sb51 + 7 D* --> 86Kr36 + 49Ti22 + 134.179 MeV [44.578 MeV] (A_Sb:51)
121Sb51 + 7 D* --> 87Sr38 + 48Ca20 + 131.449 MeV [41.848 MeV] (A_Sb:52)
121Sb51 + 7 D* --> 110Pd46 + 25Mg12 + 103.897 MeV [14.296 MeV] (A_Sb:53)
121Sb51 + 7 D* --> 113Cd48 + 22Ne10 + 99.429 MeV [9.828 MeV] (A_Sb:54)
121Sb51 + 7 D* --> 114Cd48 + 21Ne10 + 98.108 MeV [8.506 MeV] (A_Sb:55)
121Sb51 + 7 D* --> 117Sn50 + 18O8 + 93.536 MeV [3.935 MeV] (A_Sb:56)
121Sb51 + 7 D* --> 118Sn50 + 17O8 + 94.820 MeV [5.219 MeV] (A_Sb:57)
121Sb51 + 7 D* --> 119Sn50 + 16O8 + 97.160 MeV [7.559 MeV] (A_Sb:58)
121Sb51 + 7 D* --> 121Sb51 + 14N7 + 89.087 MeV [-0.515 MeV] (A_Sb:59)
121Sb51 + 7 D* --> 122Te52 + 13C6 + 89.544 MeV [-0.057 MeV] (A_Sb:60)
121Sb51 + 7 D* --> 123Te52 + 12C6 + 91.527 MeV [1.926 MeV] (A_Sb:61)
121Sb51 + 7 D* --> 126Xe54 + 9Be4 + 80.176 MeV [-9.425 MeV] (A_Sb:62)
121Sb51 + 7 D* --> 132Ba56 + 3He2 + 75.859 MeV [-13.743 MeV] (A_Sb:63)

121Sb51 + 8 D* --> 82Se34 + 55Mn25 + 150.795 MeV [47.107 MeV] (A_Sb:64)
121Sb51 + 8 D* --> 86Kr36 + 51V23 + 150.958 MeV [47.269 MeV] (A_Sb:65)
121Sb51 + 8 D* --> 87Rb37 + 50Ti22 + 151.515 MeV [47.827 MeV] (A_Sb:66)
121Sb51 + 8 D* --> 89Y39 + 48Ca20 + 147.407 MeV [43.718 MeV] (A_Sb:67)
121Sb51 + 8 D* --> 96Zr40 + 41K19 + 136.493 MeV [32.804 MeV] (A_Sb:68)
121Sb51 + 8 D* --> 100Mo42 + 37Cl17 + 133.437 MeV [29.748 MeV] (A_Sb:69)
121Sb51 + 8 D* --> 110Pd46 + 27Al13 + 121.036 MeV [17.348 MeV] (A_Sb:70)
121Sb51 + 8 D* --> 114Cd48 + 23Na11 + 115.041 MeV [11.353 MeV] (A_Sb:71)
121Sb51 + 8 D* --> 115In49 + 22Ne10 + 113.052 MeV [9.364 MeV] (A_Sb:72)
121Sb51 + 8 D* --> 118Sn50 + 19F9 + 108.634 MeV [4.946 MeV] (A_Sb:73)
121Sb51 + 8 D* --> 121Sb51 + 16O8 + 109.823 MeV [6.134 MeV] (A_Sb:74)
121Sb51 + 8 D* --> 122Te52 + 15N7 + 105.703 MeV [2.015 MeV] (A_Sb:75)
121Sb51 + 8 D* --> 123Te52 + 14N7 + 101.799 MeV [-1.889 MeV] (A_Sb:76)
121Sb51 + 8 D* --> 126Xe54 + 11B5 + 95.991 MeV [-7.697 MeV] (A_Sb:77)
121Sb51 + 8 D* --> 130Ba56 + 7Li3 + 87.844 MeV [-15.844 MeV] (A_Sb:78)
121Sb51 + 8 D* --> 136Ce58 + 1H1 + 94.670 MeV [-9.018 MeV] (A_Sb:79)

121Sb51 + 9 D* --> 82Se34 + 57Fe26 + 166.401 MeV [48.312 MeV] (A_Sb:80)
121Sb51 + 9 D* --> 86Kr36 + 53Cr24 + 167.177 MeV [49.088 MeV] (A_Sb:81)
121Sb51 + 9 D* --> 91Zr40 + 48Ca20 + 160.731 MeV [42.642 MeV] (A_Sb:82)
121Sb51 + 9 D* --> 96Zr40 + 43Ca20 + 152.478 MeV [34.389 MeV] (A_Sb:83)
121Sb51 + 9 D* --> 110Pd46 + 29Si14 + 138.871 MeV [20.782 MeV] (A_Sb:84)
121Sb51 + 9 D* --> 113Cd48 + 26Mg12 + 133.890 MeV [15.801 MeV] (A_Sb:85)
121Sb51 + 9 D* --> 114Cd48 + 25Mg12 + 131.840 MeV [13.751 MeV] (A_Sb:86)
121Sb51 + 9 D* --> 117Sn50 + 22Ne10 + 127.051 MeV [8.962 MeV] (A_Sb:87)
121Sb51 + 9 D* --> 118Sn50 + 21Ne10 + 126.014 MeV [7.925 MeV] (A_Sb:88)
121Sb51 + 9 D* --> 119Sn50 + 20Ne10 + 125.737 MeV [7.648 MeV] (A_Sb:89)
121Sb51 + 9 D* --> 122Te52 + 17O8 + 119.749 MeV [1.660 MeV] (A_Sb:90)
121Sb51 + 9 D* --> 123Te52 + 16O8 + 122.535 MeV [4.446 MeV] (A_Sb:91)
121Sb51 + 9 D* --> 126Xe54 + 13C6 + 114.670 MeV [-3.419 MeV] (A_Sb:92)
121Sb51 + 9 D* --> 130Ba56 + 9Be4 + 104.540 MeV [-13.548 MeV] (A_Sb:93)
121Sb51 + 9 D* --> 136Ce58 + 3He2 + 100.164 MeV [-17.925 MeV] (A_Sb:94)

121Sb51 + 10 D* --> 71Ga31 + 70Zn30 + 181.467 MeV [48.667 MeV] (A_Sb:95)
121Sb51 + 10 D* --> 76Ge32 + 65Cu29 + 182.239 MeV [49.439 MeV] (A_Sb:96)
121Sb51 + 10 D* --> 82Se34 + 59Co27 + 181.585 MeV [48.785 MeV] (A_Sb:97)
121Sb51 + 10 D* --> 86Kr36 + 55Mn25 + 182.738 MeV [49.938 MeV] (A_Sb:98)
121Sb51 + 10 D* --> 87Rb37 + 54Cr24 + 183.292 MeV [50.493 MeV] (A_Sb:99)
121Sb51 + 10 D* --> 96Zr40 + 45Sc21 + 168.273 MeV [35.473 MeV] (A_Sb:100)

121Sb51 + 10 D* --> 93Nb41 + 48Ca20 + 173.185 MeV [40.385 MeV] (A_Sb:101)
121Sb51 + 10 D* --> 100Mo42 + 41K19 + 163.505 MeV [30.706 MeV] (A_Sb:102)
121Sb51 + 10 D* --> 104Ru44 + 37Cl17 + 161.613 MeV [28.813 MeV] (A_Sb:103)
121Sb51 + 10 D* --> 110Pd46 + 31P15 + 154.552 MeV [21.752 MeV] (A_Sb:104)
121Sb51 + 10 D* --> 114Cd48 + 27Al13 + 148.980 MeV [16.180 MeV] (A_Sb:105)
121Sb51 + 10 D* --> 115In49 + 26Mg12 + 147.513 MeV [14.714 MeV] (A_Sb:106)
121Sb51 + 10 D* --> 118Sn50 + 23Na11 + 142.948 MeV [10.148 MeV] (A_Sb:107)
121Sb51 + 10 D* --> 121Sb51 + 20Ne10 + 138.399 MeV [5.599 MeV] (A_Sb:108)
121Sb51 + 10 D* --> 122Te52 + 19F9 + 133.564 MeV [00.764 MeV] (A_Sb:109)
121Sb51 + 10 D* --> 126Xe54 + 15N7 + 130.829 MeV [-1.971 MeV] (A_Sb:110)
121Sb51 + 10 D* --> 130Ba56 + 11B5 + 120.356 MeV [-12.444 MeV] (A_Sb:111)

121Sb51 + 11 D* --> 73Ge32 + 70Zn30 + 195.760 MeV [47.941 MeV] (A_Sb:112)
121Sb51 + 11 D* --> 76Ge32 + 67Zn30 + 195.991 MeV [48.173 MeV] (A_Sb:113)
121Sb51 + 11 D* --> 82Se34 + 61Ni28 + 196.713 MeV [48.894 MeV] (A_Sb:114)
121Sb51 + 11 D* --> 86Kr36 + 57Fe26 + 198.344 MeV [50.525 MeV] (A_Sb:115)
121Sb51 + 11 D* --> 94Zr40 + 49Ti22 + 190.723 MeV [42.905 MeV] (A_Sb:116)
121Sb51 + 11 D* --> 96Zr40 + 47Ti22 + 185.273 MeV [37.454 MeV] (A_Sb:117)
121Sb51 + 11 D* --> 95Mo42 + 48Ca20 + 186.819 MeV [39.001 MeV] (A_Sb:118)
121Sb51 + 11 D* --> 97Mo42 + 46Ca20 + 185.573 MeV [37.755 MeV] (A_Sb:119)
121Sb51 + 11 D* --> 100Mo42 + 43Ca20 + 179.491 MeV [31.672 MeV] (A_Sb:120)
121Sb51 + 11 D* --> 110Pd46 + 33S16 + 169.833 MeV [22.014 MeV] (A_Sb:121)
121Sb51 + 11 D* --> 113Cd48 + 30Si14 + 168.380 MeV [20.561 MeV] (A_Sb:122)
121Sb51 + 11 D* --> 114Cd48 + 29Si14 + 166.814 MeV [18.995 MeV] (A_Sb:123)
121Sb51 + 11 D* --> 117Sn50 + 26Mg12 + 161.512 MeV [13.694 MeV] (A_Sb:124)
121Sb51 + 11 D* --> 118Sn50 + 25Mg12 + 159.747 MeV [11.928 MeV] (A_Sb:125)
121Sb51 + 11 D* --> 119Sn50 + 24Mg12 + 158.900 MeV [11.081 MeV] (A_Sb:126)
121Sb51 + 11 D* --> 122Te52 + 21Ne10 + 150.944 MeV [3.125 MeV] (A_Sb:127)
121Sb51 + 11 D* --> 123Te52 + 20Ne10 + 151.112 MeV [3.293 MeV] (A_Sb:128)
121Sb51 + 11 D* --> 126Xe54 + 17O8 + 144.875 MeV [-2.944 MeV] (A_Sb:129)
121Sb51 + 11 D* --> 130Ba56 + 13C6 + 139.034 MeV [-8.784 MeV] (A_Sb:130)

121Sb51 + 12 D* --> 74Ge32 + 71Ga31 + 211.596 MeV [48.453 MeV] (A_Sb:131)
121Sb51 + 12 D* --> 76Ge32 + 69Ga31 + 210.574 MeV [47.431 MeV] (A_Sb:132)
121Sb51 + 12 D* --> 75As33 + 70Zn30 + 210.631 MeV [47.487 MeV] (A_Sb:133)
121Sb51 + 12 D* --> 80Se34 + 65Cu29 + 213.057 MeV [49.914 MeV] (A_Sb:134)
121Sb51 + 12 D* --> 82Se34 + 63Cu29 + 211.207 MeV [48.064 MeV] (A_Sb:135)
121Sb51 + 12 D* --> 81Br35 + 64Ni28 + 213.108 MeV [49.964 MeV] (A_Sb:136)
121Sb51 + 12 D* --> 86Kr36 + 59Co27 + 213.528 MeV [50.384 MeV] (A_Sb:137)
121Sb51 + 12 D* --> 87Rb37 + 58Fe26 + 214.785 MeV [51.641 MeV] (A_Sb:138)
121Sb51 + 12 D* --> 94Zr40 + 51V23 + 207.502 MeV [44.358 MeV] (A_Sb:139)
121Sb51 + 12 D* --> 100Mo42 + 45Sc21 + 195.286 MeV [32.142 MeV] (A_Sb:140)
121Sb51 + 12 D* --> 104Ru44 + 41K19 + 191.681 MeV [28.538 MeV] (A_Sb:141)
121Sb51 + 12 D* --> 108Pd46 + 37Cl17 + 189.319 MeV [26.176 MeV] (A_Sb:142)
121Sb51 + 12 D* --> 110Pd46 + 35Cl17 + 185.396 MeV [22.253 MeV] (A_Sb:143)
121Sb51 + 12 D* --> 109Ag47 + 36S16 + 187.420 MeV [24.277 MeV] (A_Sb:144)
121Sb51 + 12 D* --> 114Cd48 + 31P15 + 182.495 MeV [19.352 MeV] (A_Sb:145)
121Sb51 + 12 D* --> 115In49 + 30Si14 + 182.003 MeV [18.860 MeV] (A_Sb:146)
121Sb51 + 12 D* --> 118Sn50 + 27Al13 + 176.886 MeV [13.743 MeV] (A_Sb:147)
121Sb51 + 12 D* --> 121Sb51 + 24Mg12 + 171.562 MeV [8.419 MeV] (A_Sb:148)
121Sb51 + 12 D* --> 122Te52 + 23Na11 + 167.877 MeV [4.734 MeV] (A_Sb:149)
121Sb51 + 12 D* --> 126Xe54 + 19F9 + 158.689 MeV [-4.454 MeV] (A_Sb:150)
121Sb51 + 12 D* --> 130Ba56 + 15N7 + 155.194 MeV [-7.950 MeV] (A_Sb:151)
121Sb51 + 12 D* --> 144Sm62 + 1H1 + 142.717 MeV [-20.427 MeV] (A_Sb:152)

123Sb51 + D* --> 116Cd48 + 9Be4 + 1.283 MeV [-10.467 MeV] (A_Sb:153)
123Sb51 + D* --> 125Te52 + 12.934 MeV [1.183 MeV] (A_Sb:154)

123Sb51 + 2 D* --> 116Cd48 + 11B5 + 17.099 MeV [-6.736 MeV] (A_Sb:155)
123Sb51 + 2 D* --> 120Sn50 + 7Li3 + 13.244 MeV [-10.591 MeV] (A_Sb:156)
123Sb51 + 2 D* --> 123Sb51 + 4He2 + 23.847 MeV [00.011 MeV] (A_Sb:157)
123Sb51 + 2 D* --> 125Te52 + 2H1 + 12.934 MeV [-10.901 MeV] (A_Sb:158)
123Sb51 + 2 D* --> 126Te52 + 1H1 + 19.823 MeV [-4.012 MeV] (A_Sb:159)
123Sb51 + 2 D* --> 127I53 + 26.030 MeV [2.195 MeV] (A_Sb:160)

123Sb51 + 3 D* --> 116Cd48 + 13C6 + 35.777 MeV [-0.474 MeV] (A_Sb:161)
123Sb51 + 3 D* --> 120Sn50 + 9Be4 + 29.940 MeV [-6.310 MeV] (A_Sb:162)
123Sb51 + 3 D* --> 123Sb51 + 6Li3 + 25.320 MeV [-10.931 MeV] (A_Sb:163)
123Sb51 + 3 D* --> 125Te52 + 4He2 + 36.780 MeV [00.529 MeV] (A_Sb:164)
123Sb51 + 3 D* --> 126Te52 + 3He2 + 25.316 MeV [-10.935 MeV] (A_Sb:165)
123Sb51 + 3 D* --> 127I53 + 2H1 + 26.030 MeV [-10.221 MeV] (A_Sb:166)
123Sb51 + 3 D* --> 129Xe54 + 38.880 MeV [2.629 MeV] (A_Sb:167)

123Sb51 + 4 D* --> 116Cd48 + 15N7 + 51.937 MeV [2.942 MeV] (A_Sb:168)
123Sb51 + 4 D* --> 120Sn50 + 11B5 + 45.756 MeV [-3.239 MeV] (A_Sb:169)
123Sb51 + 4 D* --> 124Te52 + 7Li3 + 38.935 MeV [-10.060 MeV] (A_Sb:170)
123Sb51 + 4 D* --> 125Te52 + 6Li3 + 38.254 MeV [-10.741 MeV] (A_Sb:171)
123Sb51 + 4 D* --> 127I53 + 4He2 + 49.877 MeV [00.882 MeV] (A_Sb:172)
123Sb51 + 4 D* --> 129Xe54 + 2H1 + 38.880 MeV [-10.114 MeV] (A_Sb:173)
123Sb51 + 4 D* --> 130Xe54 + 1H1 + 45.912 MeV [-3.083 MeV] (A_Sb:174)

123Sb51 + 5 D* --> 116Cd48 + 17O8 + 65.983 MeV [3.919 MeV] (A_Sb:175)
123Sb51 + 5 D* --> 120Sn50 + 13C6 + 64.435 MeV [2.371 MeV] (A_Sb:176)
123Sb51 + 5 D* --> 123Sb51 + 10B5 + 53.628 MeV [-8.435 MeV] (A_Sb:177)
123Sb51 + 5 D* --> 124Te52 + 9Be4 + 55.631 MeV [-6.432 MeV] (A_Sb:178)
123Sb51 + 5 D* --> 127I53 + 6Li3 + 51.351 MeV [-10.712 MeV] (A_Sb:179)
123Sb51 + 5 D* --> 129Xe54 + 4He2 + 62.727 MeV [00.664 MeV] (A_Sb:180)
123Sb51 + 5 D* --> 130Xe54 + 3He2 + 51.405 MeV [-10.658 MeV] (A_Sb:181)

123Sb51 + 6 D* --> 87Rb37 + 48Ca20 + 118.402 MeV [42.948 MeV] (A_Sb:182)
123Sb51 + 6 D* --> 116Cd48 + 19F9 + 79.797 MeV [4.343 MeV] (A_Sb:183)
123Sb51 + 6 D* --> 120Sn50 + 15N7 + 80.594 MeV [5.140 MeV] (A_Sb:184)
123Sb51 + 6 D* --> 123Sb51 + 12C6 + 78.814 MeV [3.361 MeV] (A_Sb:185)
123Sb51 + 6 D* --> 124Te52 + 11B5 + 71.447 MeV [-4.007 MeV] (A_Sb:186)
123Sb51 + 6 D* --> 125Te52 + 10B5 + 66.562 MeV [-8.892 MeV] (A_Sb:187)
123Sb51 + 6 D* --> 128Xe54 + 7Li3 + 64.542 MeV [-10.912 MeV] (A_Sb:188)
123Sb51 + 6 D* --> 129Xe54 + 6Li3 + 64.201 MeV [-11.253 MeV] (A_Sb:189)
123Sb51 + 6 D* --> 134Ba56 + 1H1 + 71.251 MeV [-4.203 MeV] (A_Sb:190)

123Sb51 + 7 D* --> 116Cd48 + 21Ne10 + 97.177 MeV [8.014 MeV] (A_Sb:191)
123Sb51 + 7 D* --> 119Sn50 + 18O8 + 93.576 MeV [4.413 MeV] (A_Sb:192)
123Sb51 + 7 D* --> 120Sn50 + 17O8 + 94.640 MeV [5.477 MeV] (A_Sb:193)
123Sb51 + 7 D* --> 123Sb51 + 14N7 + 89.087 MeV [-0.076 MeV] (A_Sb:194)
123Sb51 + 7 D* --> 124Te52 + 13C6 + 90.125 MeV [00.962 MeV] (A_Sb:195)
123Sb51 + 7 D* --> 125Te52 + 12C6 + 91.748 MeV [2.585 MeV] (A_Sb:196)
123Sb51 + 7 D* --> 127I53 + 10B5 + 79.658 MeV [-9.505 MeV] (A_Sb:197)
123Sb51 + 7 D* --> 128Xe54 + 9Be4 + 81.238 MeV [-7.925 MeV] (A_Sb:198)
123Sb51 + 7 D* --> 134Ba56 + 3He2 + 76.745 MeV [-12.419 MeV] (A_Sb:199)

123Sb51 + 8 D* --> 116Cd48 + 23Na11 + 114.111 MeV [10.922 MeV] (A_Sb:200)
123Sb51 + 8 D* --> 120Sn50 + 19F9 + 108.454 MeV [5.265 MeV] (A_Sb:201)
123Sb51 + 8 D* --> 121Sb51 + 18O8 + 106.238 MeV [3.050 MeV] (A_Sb:202)
123Sb51 + 8 D* --> 123Sb51 + 16O8 + 109.823 MeV [6.634 MeV] (A_Sb:203)
123Sb51 + 8 D* --> 124Te52 + 15N7 + 106.285 MeV [3.096 MeV] (A_Sb:204)
123Sb51 + 8 D* --> 125Te52 + 14N7 + 102.020 MeV [-1.168 MeV] (A_Sb:205)
123Sb51 + 8 D* --> 127I53 + 12C6 + 104.845 MeV [1.656 MeV] (A_Sb:206)
123Sb51 + 8 D* --> 128Xe54 + 11B5 + 97.054 MeV [-6.135 MeV] (A_Sb:207)
123Sb51 + 8 D* --> 129Xe54 + 10B5 + 92.508 MeV [-10.680 MeV] (A_Sb:208)
123Sb51 + 8 D* --> 132Ba56 + 7Li3 + 89.388 MeV [-13.800 MeV] (A_Sb:209)
123Sb51 + 8 D* --> 138Ce58 + 1H1 + 96.141 MeV [-7.048 MeV] (A_Sb:210)

123Sb51 + 9 D* --> 116Cd48 + 25Mg12 + 130.910 MeV [13.382 MeV] (A_Sb:211)
123Sb51 + 9 D* --> 119Sn50 + 22Ne10 + 127.090 MeV [9.563 MeV] (A_Sb:212)
123Sb51 + 9 D* --> 120Sn50 + 21Ne10 + 125.834 MeV [8.306 MeV] (A_Sb:213)
123Sb51 + 9 D* --> 123Te52 + 18O8 + 118.951 MeV [1.423 MeV] (A_Sb:214)
123Sb51 + 9 D* --> 124Te52 + 17O8 + 120.331 MeV [2.803 MeV] (A_Sb:215)
123Sb51 + 9 D* --> 125Te52 + 16O8 + 122.757 MeV [5.229 MeV] (A_Sb:216)
123Sb51 + 9 D* --> 127I53 + 14N7 + 115.117 MeV [-2.411 MeV] (A_Sb:217)
123Sb51 + 9 D* --> 128Xe54 + 13C6 + 115.732 MeV [-1.795 MeV] (A_Sb:218)
123Sb51 + 9 D* --> 129Xe54 + 12C6 + 117.695 MeV [00.167 MeV] (A_Sb:219)
123Sb51 + 9 D* --> 132Ba56 + 9Be4 + 106.085 MeV [-11.443 MeV] (A_Sb:220)
123Sb51 + 9 D* --> 138Ce58 + 3He2 + 101.635 MeV [-15.893 MeV] (A_Sb:221)

123Sb51 + 10 D* --> 116Cd48 + 27Al13 + 148.049 MeV [15.871 MeV] (A_Sb:222)
123Sb51 + 10 D* --> 120Sn50 + 23Na11 + 142.768 MeV [10.590 MeV] (A_Sb:223)
123Sb51 + 10 D* --> 121Sb51 + 22Ne10 + 139.753 MeV [7.575 MeV] (A_Sb:224)
123Sb51 + 10 D* --> 123Sb51 + 20Ne10 + 138.399 MeV [6.221 MeV] (A_Sb:225)
123Sb51 + 10 D* --> 124Te52 + 19F9 + 134.145 MeV [1.967 MeV] (A_Sb:226)
123Sb51 + 10 D* --> 127I53 + 16O8 + 135.853 MeV [3.675 MeV] (A_Sb:227)
123Sb51 + 10 D* --> 128Xe54 + 15N7 + 131.892 MeV [-0.286 MeV] (A_Sb:228)
123Sb51 + 10 D* --> 129Xe54 + 14N7 + 127.967 MeV [-4.211 MeV] (A_Sb:229)
123Sb51 + 10 D* --> 132Ba56 + 11B5 + 121.900 MeV [-10.278 MeV] (A_Sb:230)
123Sb51 + 10 D* --> 136Ce58 + 7Li3 + 113.693 MeV [-18.484 MeV] (A_Sb:231)
123Sb51 + 10 D* --> 142Nd60 + 1H1 + 120.799 MeV [-11.378 MeV] (A_Sb:232)

123Sb51 + 11 D* --> 96Zr40 + 49Ti22 + 189.270 MeV [42.134 MeV] (A_Sb:233)
123Sb51 + 11 D* --> 97Mo42 + 48Ca20 + 187.023 MeV [39.887 MeV] (A_Sb:234)
123Sb51 + 11 D* --> 116Cd48 + 29Si14 + 165.883 MeV [18.747 MeV] (A_Sb:235)
123Sb51 + 11 D* --> 119Sn50 + 26Mg12 + 161.552 MeV [14.416 MeV] (A_Sb:236)
123Sb51 + 11 D* --> 120Sn50 + 25Mg12 + 159.567 MeV [12.431 MeV] (A_Sb:237)
123Sb51 + 11 D* --> 123Te52 + 22Ne10 + 152.465 MeV [5.329 MeV] (A_Sb:238)
123Sb51 + 11 D* --> 124Te52 + 21Ne10 + 151.525 MeV [4.389 MeV] (A_Sb:239)
123Sb51 + 11 D* --> 125Te52 + 20Ne10 + 151.333 MeV [4.197 MeV] (A_Sb:240)
123Sb51 + 11 D* --> 128Xe54 + 17O8 + 145.938 MeV [-1.198 MeV] (A_Sb:241)
123Sb51 + 11 D* --> 129Xe54 + 16O8 + 148.703 MeV [1.567 MeV] (A_Sb:242)
123Sb51 + 11 D* --> 132Ba56 + 13C6 + 140.579 MeV [-6.557 MeV] (A_Sb:243)
123Sb51 + 11 D* --> 136Ce58 + 9Be4 + 130.390 MeV [-16.747 MeV] (A_Sb:244)
123Sb51 + 11 D* --> 142Nd60 + 3He2 + 126.293 MeV [-20.843 MeV] (A_Sb:245)

123Sb51 + 12 D* --> 76Ge32 + 71Ga31 + 211.758 MeV [49.358 MeV] (A_Sb:246)
123Sb51 + 12 D* --> 82Se34 + 65Cu29 + 213.262 MeV [50.862 MeV] (A_Sb:247)
123Sb51 + 12 D* --> 96Zr40 + 51V23 + 206.049 MeV [43.649 MeV] (A_Sb:248)

123Sb51 + 12 D* --> 110Pd46 + 37Cl17 + 188.515 MeV [26.115 MeV] (A_Sb:249)
123Sb51 + 12 D* --> 116Cd48 + 31P15 + 181.565 MeV [19.165 MeV] (A_Sb:250)
123Sb51 + 12 D* --> 120Sn50 + 27Al13 + 176.706 MeV [14.306 MeV] (A_Sb:251)
123Sb51 + 12 D* --> 121Sb51 + 26Mg12 + 174.214 MeV [11.814 MeV] (A_Sb:252)
123Sb51 + 12 D* --> 123Sb51 + 24Mg12 + 171.562 MeV [9.162 MeV] (A_Sb:253)
123Sb51 + 12 D* --> 124Te52 + 23Na11 + 168.459 MeV [6.059 MeV] (A_Sb:254)
123Sb51 + 12 D* --> 127I53 + 20Ne10 + 164.430 MeV [2.030 MeV] (A_Sb:255)
123Sb51 + 12 D* --> 128Xe54 + 19F9 + 159.752 MeV [-2.648 MeV] (A_Sb:256)
123Sb51 + 12 D* --> 132Ba56 + 15N7 + 156.738 MeV [-5.662 MeV] (A_Sb:257)
123Sb51 + 12 D* --> 136Ce58 + 11B5 + 146.205 MeV [-16.195 MeV] (A_Sb:258)

---------- Equations follow for Tellurium, Te, element 52 ----------

120Te52 + D* --> 82Se34 + 40K19 + 34.860 MeV [22.782 MeV] (A_Te:1)
120Te52 + D* --> 108Pd46 + 14N7 + 10.392 MeV [-1.686 MeV] (A_Te:2)
120Te52 + D* --> 109Ag47 + 13C6 + 9.329 MeV [-2.749 MeV] (A_Te:3)
120Te52 + D* --> 111Cd48 + 11B5 + 4.321 MeV [-7.757 MeV] (A_Te:4)
120Te52 + D* --> 112Cd48 + 10B5 + 2.261 MeV [-9.817 MeV] (A_Te:5)
120Te52 + D* --> 113In49 + 9Be4 + 1.753 MeV [-10.325 MeV] (A_Te:6)
120Te52 + D* --> 116Sn50 + 6Li3 + 1.172 MeV [-10.906 MeV] (A_Te:7)

120Te52 + 2 D* --> 70Zn30 + 54Cr24 + 63.364 MeV [38.876 MeV] (A_Te:8)
120Te52 + 2 D* --> 74Ge32 + 50Ti22 + 61.716 MeV [37.228 MeV] (A_Te:9)
120Te52 + 2 D* --> 76Ge32 + 48Ti22 + 58.568 MeV [34.080 MeV] (A_Te:10)
120Te52 + 2 D* --> 76Se34 + 48Ca20 + 56.333 MeV [31.845 MeV] (A_Te:11)
120Te52 + 2 D* --> 78Se34 + 46Ca20 + 57.028 MeV [32.540 MeV] (A_Te:12)
120Te52 + 2 D* --> 80Se34 + 44Ca20 + 56.095 MeV [31.607 MeV] (A_Te:13)
120Te52 + 2 D* --> 82Se34 + 42Ca20 + 53.008 MeV [28.520 MeV] (A_Te:14)
120Te52 + 2 D* --> 84Kr36 + 40Ar18 + 54.338 MeV [29.850 MeV] (A_Te:15)
120Te52 + 2 D* --> 86Kr36 + 38Ar18 + 54.847 MeV [30.359 MeV] (A_Te:16)
120Te52 + 2 D* --> 87Rb37 + 37Cl17 + 53.226 MeV [28.738 MeV] (A_Te:17)
120Te52 + 2 D* --> 88Sr38 + 36S16 + 55.453 MeV [30.965 MeV] (A_Te:18)
120Te52 + 2 D* --> 94Zr40 + 30Si14 + 48.567 MeV [24.079 MeV] (A_Te:19)
120Te52 + 2 D* --> 96Zr40 + 28Si14 + 43.802 MeV [19.315 MeV] (A_Te:20)
120Te52 + 2 D* --> 98Mo42 + 26Mg12 + 41.193 MeV [16.705 MeV] (A_Te:21)
120Te52 + 2 D* --> 100Mo42 + 24Mg12 + 36.985 MeV [12.497 MeV] (A_Te:22)
120Te52 + 2 D* --> 102Ru44 + 22Ne10 + 33.990 MeV [9.502 MeV] (A_Te:23)
120Te52 + 2 D* --> 104Ru44 + 20Ne10 + 31.998 MeV [7.510 MeV] (A_Te:24)
120Te52 + 2 D* --> 106Pd46 + 18O8 + 27.551 MeV [3.063 MeV] (A_Te:25)
120Te52 + 2 D* --> 108Pd46 + 16O8 + 31.128 MeV [6.640 MeV] (A_Te:26)
120Te52 + 2 D* --> 109Ag47 + 15N7 + 25.488 MeV [1.000 MeV] (A_Te:27)
120Te52 + 2 D* --> 111Cd48 + 13C6 + 22.999 MeV [-1.489 MeV] (A_Te:28)
120Te52 + 2 D* --> 112Cd48 + 12C6 + 27.447 MeV [2.959 MeV] (A_Te:29)
120Te52 + 2 D* --> 113In49 + 11B5 + 17.569 MeV [-6.919 MeV] (A_Te:30)
120Te52 + 2 D* --> 115Sn50 + 9Be4 + 15.555 MeV [-8.933 MeV] (A_Te:31)
120Te52 + 2 D* --> 120Te52 + 4He2 + 23.847 MeV [-0.641 MeV] (A_Te:32)
120Te52 + 2 D* --> 124Xe54 + 24.527 MeV [00.039 MeV] (A_Te:33)

120Te52 + 3 D* --> 76Ge32 + 50V23 + 72.437 MeV [35.211 MeV] (A_Te:34)
120Te52 + 3 D* --> 86Kr36 + 40K19 + 66.803 MeV [29.578 MeV] (A_Te:35)
120Te52 + 3 D* --> 109Ag47 + 17O8 + 39.534 MeV [2.308 MeV] (A_Te:36)
120Te52 + 3 D* --> 111Cd48 + 15N7 + 39.159 MeV [1.933 MeV] (A_Te:37)
120Te52 + 3 D* --> 112Cd48 + 14N7 + 37.720 MeV [00.494 MeV] (A_Te:38)
120Te52 + 3 D* --> 113In49 + 13C6 + 36.247 MeV [-0.979 MeV] (A_Te:39)

120Te52 + 3 D* --> 115Sn50 + 11B5 + 31.371 MeV [-5.855 MeV] (A_Te:40)
120Te52 + 3 D* --> 116Sn50 + 10B5 + 29.480 MeV [-7.746 MeV] (A_Te:41)
120Te52 + 3 D* --> 120Te52 + 6Li3 + 25.320 MeV [-11.905 MeV] (A_Te:42)
120Te52 + 3 D* --> 124Xe54 + 2H1 + 24.527 MeV [-12.699 MeV] (A_Te:43)

120Te52 + 4 D* --> 64Ni28 + 64Ni28 + 97.337 MeV [47.048 MeV] (A_Te:44)
120Te52 + 4 D* --> 70Zn30 + 58Fe26 + 94.856 MeV [44.568 MeV] (A_Te:45)
120Te52 + 4 D* --> 74Ge32 + 54Cr24 + 93.493 MeV [43.204 MeV] (A_Te:46)
120Te52 + 4 D* --> 76Ge32 + 52Cr24 + 91.768 MeV [41.479 MeV] (A_Te:47)
120Te52 + 4 D* --> 78Se34 + 50Ti22 + 91.591 MeV [41.302 MeV] (A_Te:48)
120Te52 + 4 D* --> 80Se34 + 48Ti22 + 89.386 MeV [39.097 MeV] (A_Te:49)
120Te52 + 4 D* --> 82Se34 + 46Ti22 + 84.856 MeV [34.567 MeV] (A_Te:50)
120Te52 + 4 D* --> 80Kr36 + 48Ca20 + 85.245 MeV [34.956 MeV] (A_Te:51)
120Te52 + 4 D* --> 82Kr36 + 46Ca20 + 86.863 MeV [36.574 MeV] (A_Te:52)
120Te52 + 4 D* --> 84Kr36 + 44Ca20 + 87.038 MeV [36.749 MeV] (A_Te:53)
120Te52 + 4 D* --> 86Kr36 + 42Ca20 + 84.951 MeV [34.662 MeV] (A_Te:54)
120Te52 + 4 D* --> 87Rb37 + 41K19 + 83.295 MeV [33.006 MeV] (A_Te:55)
120Te52 + 4 D* --> 88Sr38 + 40Ar18 + 86.100 MeV [35.811 MeV] (A_Te:56)
120Te52 + 4 D* --> 92Zr40 + 36S16 + 82.256 MeV [31.967 MeV] (A_Te:57)
120Te52 + 4 D* --> 94Zr40 + 34S16 + 80.337 MeV [30.048 MeV] (A_Te:58)
120Te52 + 4 D* --> 96Zr40 + 32S16 + 74.597 MeV [24.308 MeV] (A_Te:59)
120Te52 + 4 D* --> 98Mo42 + 30Si14 + 75.683 MeV [25.394 MeV] (A_Te:60)
120Te52 + 4 D* --> 100Mo42 + 28Si14 + 70.815 MeV [20.527 MeV] (A_Te:61)
120Te52 + 4 D* --> 102Ru44 + 26Mg12 + 68.451 MeV [18.162 MeV] (A_Te:62)
120Te52 + 4 D* --> 104Ru44 + 24Mg12 + 65.161 MeV [14.872 MeV] (A_Te:63)
120Te52 + 4 D* --> 106Pd46 + 22Ne10 + 61.065 MeV [10.777 MeV] (A_Te:64)
120Te52 + 4 D* --> 108Pd46 + 20Ne10 + 59.705 MeV [9.416 MeV] (A_Te:65)
120Te52 + 4 D* --> 109Ag47 + 19F9 + 53.348 MeV [3.059 MeV] (A_Te:66)
120Te52 + 4 D* --> 110Cd48 + 18O8 + 54.273 MeV [3.984 MeV] (A_Te:67)
120Te52 + 4 D* --> 111Cd48 + 17O8 + 53.205 MeV [2.916 MeV] (A_Te:68)
120Te52 + 4 D* --> 112Cd48 + 16O8 + 58.456 MeV [8.167 MeV] (A_Te:69)
120Te52 + 4 D* --> 113In49 + 15N7 + 52.406 MeV [2.118 MeV] (A_Te:70)
120Te52 + 4 D* --> 115Sn50 + 13C6 + 50.049 MeV [-0.240 MeV] (A_Te:71)
120Te52 + 4 D* --> 116Sn50 + 12C6 + 54.666 MeV [4.378 MeV] (A_Te:72)
120Te52 + 4 D* --> 124Xe54 + 4He2 + 48.373 MeV [-1.915 MeV] (A_Te:73)

120Te52 + 5 D* --> 80Se34 + 50V23 + 103.256 MeV [39.581 MeV] (A_Te:74)
120Te52 + 5 D* --> 81Br35 + 49Ti22 + 102.808 MeV [39.134 MeV] (A_Te:75)
120Te52 + 5 D* --> 87Rb37 + 43Ca20 + 99.280 MeV [35.606 MeV] (A_Te:76)
120Te52 + 5 D* --> 109Ag47 + 21Ne10 + 70.728 MeV [7.054 MeV] (A_Te:77)
120Te52 + 5 D* --> 111Cd48 + 19F9 + 67.019 MeV [3.345 MeV] (A_Te:78)
120Te52 + 5 D* --> 113In49 + 17O8 + 66.452 MeV [2.778 MeV] (A_Te:79)
120Te52 + 5 D* --> 115Sn50 + 15N7 + 66.209 MeV [2.534 MeV] (A_Te:80)
120Te52 + 5 D* --> 116Sn50 + 14N7 + 64.939 MeV [1.265 MeV] (A_Te:81)
120Te52 + 5 D* --> 120Te52 + 10B5 + 53.628 MeV [-10.046 MeV] (A_Te:82)
120Te52 + 5 D* --> 124Xe54 + 6Li3 + 49.847 MeV [-13.827 MeV] (A_Te:83)

120Te52 + 6 D* --> 68Zn30 + 64Ni28 + 126.516 MeV [49.138 MeV] (A_Te:84)
120Te52 + 6 D* --> 70Zn30 + 62Ni28 + 125.720 MeV [48.342 MeV] (A_Te:85)
120Te52 + 6 D* --> 74Ge32 + 58Fe26 + 124.986 MeV [47.607 MeV] (A_Te:86)
120Te52 + 6 D* --> 76Ge32 + 56Fe26 + 123.228 MeV [45.850 MeV] (A_Te:87)
120Te52 + 6 D* --> 78Se34 + 54Cr24 + 123.368 MeV [45.990 MeV] (A_Te:88)
120Te52 + 6 D* --> 80Se34 + 52Cr24 + 122.587 MeV [45.208 MeV] (A_Te:89)
120Te52 + 6 D* --> 82Se34 + 50Cr24 + 117.263 MeV [39.885 MeV] (A_Te:90)

120Te52 + 6 D* --> 81Br35 + 51V23 + 119.586 MeV [42.207 MeV] (A_Te:91)
120Te52 + 6 D* --> 82Kr36 + 50Ti22 + 121.426 MeV [44.047 MeV] (A_Te:92)
120Te52 + 6 D* --> 83Kr36 + 49Ti22 + 117.950 MeV [40.572 MeV] (A_Te:93)
120Te52 + 6 D* --> 84Kr36 + 48Ti22 + 120.328 MeV [42.950 MeV] (A_Te:94)
120Te52 + 6 D* --> 86Kr36 + 46Ti22 + 116.799 MeV [39.420 MeV] (A_Te:95)
120Te52 + 6 D* --> 87Rb37 + 45Sc21 + 115.075 MeV [37.697 MeV] (A_Te:96)
120Te52 + 6 D* --> 84Sr38 + 48Ca20 + 114.268 MeV [36.889 MeV] (A_Te:97)
120Te52 + 6 D* --> 86Sr38 + 46Ca20 + 117.068 MeV [39.690 MeV] (A_Te:98)
120Te52 + 6 D* --> 88Sr38 + 44Ca20 + 118.800 MeV [41.421 MeV] (A_Te:99)
120Te52 + 6 D* --> 92Zr40 + 40Ar18 + 112.904 MeV [35.525 MeV] (A_Te:100)
120Te52 + 6 D* --> 94Zr40 + 38Ar18 + 111.391 MeV [34.013 MeV] (A_Te:101)
120Te52 + 6 D* --> 96Zr40 + 36Ar18 + 105.084 MeV [27.706 MeV] (A_Te:102)
120Te52 + 6 D* --> 96Mo42 + 36S16 + 108.864 MeV [31.486 MeV] (A_Te:103)
120Te52 + 6 D* --> 98Mo42 + 34S16 + 107.453 MeV [30.075 MeV] (A_Te:104)
120Te52 + 6 D* --> 100Mo42 + 32S16 + 101.610 MeV [24.231 MeV] (A_Te:105)
120Te52 + 6 D* --> 102Ru44 + 30Si14 + 102.941 MeV [25.562 MeV] (A_Te:106)
120Te52 + 6 D* --> 104Ru44 + 28Si14 + 98.991 MeV [21.613 MeV] (A_Te:107)
120Te52 + 6 D* --> 106Pd46 + 26Mg12 + 95.527 MeV [18.148 MeV] (A_Te:108)
120Te52 + 6 D* --> 108Pd46 + 24Mg12 + 92.868 MeV [15.489 MeV] (A_Te:109)
120Te52 + 6 D* --> 109Ag47 + 23Na11 + 87.662 MeV [10.284 MeV] (A_Te:110)
120Te52 + 6 D* --> 110Cd48 + 22Ne10 + 87.787 MeV [10.409 MeV] (A_Te:111)
120Te52 + 6 D* --> 111Cd48 + 21Ne10 + 84.399 MeV [7.020 MeV] (A_Te:112)
120Te52 + 6 D* --> 112Cd48 + 20Ne10 + 87.032 MeV [9.654 MeV] (A_Te:113)
120Te52 + 6 D* --> 113In49 + 19F9 + 80.267 MeV [2.888 MeV] (A_Te:114)
120Te52 + 6 D* --> 114Sn50 + 18O8 + 80.752 MeV [3.374 MeV] (A_Te:115)
120Te52 + 6 D* --> 115Sn50 + 17O8 + 80.255 MeV [2.876 MeV] (A_Te:116)
120Te52 + 6 D* --> 116Sn50 + 16O8 + 85.675 MeV [8.296 MeV] (A_Te:117)
120Te52 + 6 D* --> 120Te52 + 12C6 + 78.814 MeV [1.436 MeV] (A_Te:118)

120Te52 + 7 D* --> 81Br35 + 53Cr24 + 135.805 MeV [44.406 MeV] (A_Te:119)
120Te52 + 7 D* --> 83Kr36 + 51V23 + 134.729 MeV [43.329 MeV] (A_Te:120)
120Te52 + 7 D* --> 84Kr36 + 50V23 + 134.198 MeV [42.799 MeV] (A_Te:121)
120Te52 + 7 D* --> 85Rb37 + 49Ti22 + 133.272 MeV [41.872 MeV] (A_Te:122)
120Te52 + 7 D* --> 87Rb37 + 47Ti22 + 132.076 MeV [40.676 MeV] (A_Te:123)
120Te52 + 7 D* --> 94Zr40 + 40K19 + 123.348 MeV [31.948 MeV] (A_Te:124)
120Te52 + 7 D* --> 97Mo42 + 37Cl17 + 121.847 MeV [30.448 MeV] (A_Te:125)
120Te52 + 7 D* --> 109Ag47 + 25Mg12 + 104.461 MeV [13.062 MeV] (A_Te:126)
120Te52 + 7 D* --> 111Cd48 + 23Na11 + 101.333 MeV [9.933 MeV] (A_Te:127)
120Te52 + 7 D* --> 113In49 + 21Ne10 + 97.647 MeV [6.247 MeV] (A_Te:128)
120Te52 + 7 D* --> 115Sn50 + 19F9 + 94.069 MeV [2.669 MeV] (A_Te:129)
120Te52 + 7 D* --> 120Te52 + 14N7 + 89.087 MeV [-2.313 MeV] (A_Te:130)
120Te52 + 7 D* --> 124Xe54 + 10B5 + 78.155 MeV [-13.245 MeV] (A_Te:131)

120Te52 + 8 D* --> 68Zn30 + 68Zn30 + 155.696 MeV [49.962 MeV] (A_Te:132)
120Te52 + 8 D* --> 70Zn30 + 66Zn30 + 154.145 MeV [48.411 MeV] (A_Te:133)
120Te52 + 8 D* --> 71Ga31 + 65Cu29 + 153.085 MeV [47.351 MeV] (A_Te:134)
120Te52 + 8 D* --> 72Ge32 + 64Ni28 + 155.366 MeV [49.632 MeV] (A_Te:135)
120Te52 + 8 D* --> 74Ge32 + 62Ni28 + 155.850 MeV [50.116 MeV] (A_Te:136)
120Te52 + 8 D* --> 76Ge32 + 60Ni28 + 153.366 MeV [47.632 MeV] (A_Te:137)
120Te52 + 8 D* --> 78Se34 + 58Fe26 + 154.861 MeV [49.127 MeV] (A_Te:138)
120Te52 + 8 D* --> 80Se34 + 56Fe26 + 154.046 MeV [48.312 MeV] (A_Te:139)
120Te52 + 8 D* --> 82Se34 + 54Fe26 + 149.528 MeV [43.794 MeV] (A_Te:140)
120Te52 + 8 D* --> 81Br35 + 55Mn25 + 151.367 MeV [45.633 MeV] (A_Te:141)
120Te52 + 8 D* --> 82Kr36 + 54Cr24 + 153.203 MeV [47.469 MeV] (A_Te:142)

120Te52 + 8 D* --> 83Kr36 + 53Cr24 + 150.948 MeV [45.214 MeV] (A_Te:143)
120Te52 + 8 D* --> 84Kr36 + 52Cr24 + 153.529 MeV [47.795 MeV] (A_Te:144)
120Te52 + 8 D* --> 86Kr36 + 50Cr24 + 149.206 MeV [43.472 MeV] (A_Te:145)
120Te52 + 8 D* --> 85Rb37 + 51V23 + 150.050 MeV [44.316 MeV] (A_Te:146)
120Te52 + 8 D* --> 86Sr38 + 50Ti22 + 151.631 MeV [45.897 MeV] (A_Te:147)
120Te52 + 8 D* --> 87Sr38 + 49Ti22 + 149.120 MeV [43.386 MeV] (A_Te:148)
120Te52 + 8 D* --> 88Sr38 + 48Ti22 + 152.091 MeV [46.357 MeV] (A_Te:149)
120Te52 + 8 D* --> 90Zr40 + 46Ca20 + 147.584 MeV [41.849 MeV] (A_Te:150)
120Te52 + 8 D* --> 92Zr40 + 44Ca20 + 145.604 MeV [39.870 MeV] (A_Te:151)
120Te52 + 8 D* --> 94Zr40 + 42Ca20 + 141.495 MeV [35.761 MeV] (A_Te:152)
120Te52 + 8 D* --> 96Zr40 + 40Ca20 + 135.970 MeV [30.236 MeV] (A_Te:153)
120Te52 + 8 D* --> 96Mo42 + 40Ar18 + 139.512 MeV [33.778 MeV] (A_Te:154)
120Te52 + 8 D* --> 98Mo42 + 38Ar18 + 138.507 MeV [32.773 MeV] (A_Te:155)
120Te52 + 8 D* --> 100Mo42 + 36Ar18 + 132.097 MeV [26.363 MeV] (A_Te:156)
120Te52 + 8 D* --> 100Ru44 + 36S16 + 135.564 MeV [29.830 MeV] (A_Te:157)
120Te52 + 8 D* --> 102Ru44 + 34S16 + 134.711 MeV [28.977 MeV] (A_Te:158)
120Te52 + 8 D* --> 104Ru44 + 32S16 + 129.786 MeV [24.052 MeV] (A_Te:159)
120Te52 + 8 D* --> 106Pd46 + 30Si14 + 130.017 MeV [24.283 MeV] (A_Te:160)
120Te52 + 8 D* --> 108Pd46 + 28Si14 + 126.698 MeV [20.964 MeV] (A_Te:161)
120Te52 + 8 D* --> 109Ag47 + 27Al13 + 121.601 MeV [15.866 MeV] (A_Te:162)
120Te52 + 8 D* --> 110Cd48 + 26Mg12 + 122.249 MeV [16.515 MeV] (A_Te:163)
120Te52 + 8 D* --> 111Cd48 + 25Mg12 + 118.132 MeV [12.397 MeV] (A_Te:164)
120Te52 + 8 D* --> 112Cd48 + 24Mg12 + 120.195 MeV [14.461 MeV] (A_Te:165)
120Te52 + 8 D* --> 113In49 + 23Na11 + 114.581 MeV [8.847 MeV] (A_Te:166)
120Te52 + 8 D* --> 114Sn50 + 22Ne10 + 114.267 MeV [8.533 MeV] (A_Te:167)
120Te52 + 8 D* --> 115Sn50 + 21Ne10 + 111.449 MeV [5.715 MeV] (A_Te:168)
120Te52 + 8 D* --> 116Sn50 + 20Ne10 + 114.251 MeV [8.517 MeV] (A_Te:169)
120Te52 + 8 D* --> 120Te52 + 16O8 + 109.823 MeV [4.089 MeV] (A_Te:170)
120Te52 + 8 D* --> 124Xe54 + 12C6 + 103.341 MeV [-2.393 MeV] (A_Te:171)

120Te52 + 9 D* --> 71Ga31 + 67Zn30 + 166.838 MeV [46.458 MeV] (A_Te:172)
120Te52 + 9 D* --> 73Ge32 + 65Cu29 + 167.378 MeV [46.998 MeV] (A_Te:173)
120Te52 + 9 D* --> 81Br35 + 57Fe26 + 166.972 MeV [46.592 MeV] (A_Te:174)
120Te52 + 9 D* --> 83Kr36 + 55Mn25 + 166.509 MeV [46.130 MeV] (A_Te:175)
120Te52 + 9 D* --> 85Rb37 + 53Cr24 + 166.269 MeV [45.889 MeV] (A_Te:176)
120Te52 + 9 D* --> 87Sr38 + 51V23 + 165.899 MeV [45.519 MeV] (A_Te:177)
120Te52 + 9 D* --> 88Sr38 + 50V23 + 165.960 MeV [45.581 MeV] (A_Te:178)
120Te52 + 9 D* --> 89Y39 + 49Ti22 + 165.077 MeV [44.698 MeV] (A_Te:179)
120Te52 + 9 D* --> 97Mo42 + 41K19 + 151.916 MeV [31.537 MeV] (A_Te:180)
120Te52 + 9 D* --> 98Mo42 + 40K19 + 150.464 MeV [30.084 MeV] (A_Te:181)
120Te52 + 9 D* --> 101Ru44 + 37Cl17 + 148.528 MeV [28.148 MeV] (A_Te:182)
120Te52 + 9 D* --> 109Ag47 + 29Si14 + 139.435 MeV [19.055 MeV] (A_Te:183)
120Te52 + 9 D* --> 111Cd48 + 27Al13 + 135.271 MeV [14.891 MeV] (A_Te:184)
120Te52 + 9 D* --> 113In49 + 25Mg12 + 131.379 MeV [11.000 MeV] (A_Te:185)
120Te52 + 9 D* --> 115Sn50 + 23Na11 + 128.383 MeV [8.003 MeV] (A_Te:186)
120Te52 + 9 D* --> 124Xe54 + 14N7 + 113.614 MeV [-6.766 MeV] (A_Te:187)

120Te52 + 10 D* --> 70Zn30 + 70Ge32 + 182.080 MeV [46.747 MeV] (A_Te:188)
120Te52 + 10 D* --> 71Ga31 + 69Ga31 + 181.421 MeV [46.087 MeV] (A_Te:189)
120Te52 + 10 D* --> 70Ge32 + 70Zn30 + 182.080 MeV [46.747 MeV] (A_Te:190)
120Te52 + 10 D* --> 72Ge32 + 68Zn30 + 184.546 MeV [49.212 MeV] (A_Te:191)
120Te52 + 10 D* --> 73Ge32 + 67Zn30 + 181.131 MeV [45.797 MeV] (A_Te:192)
120Te52 + 10 D* --> 74Ge32 + 66Zn30 + 184.274 MeV [48.941 MeV] (A_Te:193)
120Te52 + 10 D* --> 76Ge32 + 64Zn30 + 181.169 MeV [45.835 MeV] (A_Te:194)

120Te52 + 10 D* --> 75As33 + 65Cu29 + 182.249 MeV [46.915 MeV] (A_Te:195)
120Te52 + 10 D* --> 76Se34 + 64Ni28 + 184.304 MeV [48.970 MeV] (A_Te:196)
120Te52 + 10 D* --> 78Se34 + 62Ni28 + 185.725 MeV [50.391 MeV] (A_Te:197)
120Te52 + 10 D* --> 80Se34 + 60Ni28 + 184.185 MeV [48.851 MeV] (A_Te:198)
120Te52 + 10 D* --> 82Se34 + 58Ni28 + 179.774 MeV [44.441 MeV] (A_Te:199)
120Te52 + 10 D* --> 81Br35 + 59Co27 + 182.156 MeV [46.822 MeV] (A_Te:200)
120Te52 + 10 D* --> 82Kr36 + 58Fe26 + 184.696 MeV [49.362 MeV] (A_Te:201)
120Te52 + 10 D* --> 83Kr36 + 57Fe26 + 182.114 MeV [46.781 MeV] (A_Te:202)
120Te52 + 10 D* --> 84Kr36 + 56Fe26 + 184.989 MeV [49.655 MeV] (A_Te:203)
120Te52 + 10 D* --> 86Kr36 + 54Fe26 + 181.471 MeV [46.137 MeV] (A_Te:204)
120Te52 + 10 D* --> 85Rb37 + 55Mn25 + 181.831 MeV [46.497 MeV] (A_Te:205)
120Te52 + 10 D* --> 86Sr38 + 54Cr24 + 183.409 MeV [48.075 MeV] (A_Te:206)
120Te52 + 10 D* --> 87Sr38 + 53Cr24 + 182.118 MeV [46.784 MeV] (A_Te:207)
120Te52 + 10 D* --> 88Sr38 + 52Cr24 + 185.291 MeV [49.957 MeV] (A_Te:208)
120Te52 + 10 D* --> 89Y39 + 51V23 + 181.856 MeV [46.522 MeV] (A_Te:209)
120Te52 + 10 D* --> 90Zr40 + 50Ti22 + 182.147 MeV [46.813 MeV] (A_Te:210)
120Te52 + 10 D* --> 91Zr40 + 49Ti22 + 178.402 MeV [43.068 MeV] (A_Te:211)
120Te52 + 10 D* --> 92Zr40 + 48Ti22 + 178.894 MeV [43.560 MeV] (A_Te:212)
120Te52 + 10 D* --> 94Zr40 + 46Ti22 + 173.343 MeV [38.009 MeV] (A_Te:213)
120Te52 + 10 D* --> 92Mo42 + 48Ca20 + 172.972 MeV [37.638 MeV] (A_Te:214)
120Te52 + 10 D* --> 94Mo42 + 46Ca20 + 173.497 MeV [38.164 MeV] (A_Te:215)
120Te52 + 10 D* --> 96Mo42 + 44Ca20 + 172.212 MeV [36.878 MeV] (A_Te:216)
120Te52 + 10 D* --> 97Mo42 + 43Ca20 + 167.902 MeV [32.568 MeV] (A_Te:217)
120Te52 + 10 D* --> 98Mo42 + 42Ca20 + 168.611 MeV [33.278 MeV] (A_Te:218)
120Te52 + 10 D* --> 100Mo42 + 40Ca20 + 162.983 MeV [27.649 MeV] (A_Te:219)
120Te52 + 10 D* --> 100Ru44 + 40Ar18 + 166.212 MeV [30.878 MeV] (A_Te:220)
120Te52 + 10 D* --> 102Ru44 + 38Ar18 + 165.765 MeV [30.431 MeV] (A_Te:221)
120Te52 + 10 D* --> 104Ru44 + 36Ar18 + 160.273 MeV [24.939 MeV] (A_Te:222)
120Te52 + 10 D* --> 103Rh45 + 37Cl17 + 161.736 MeV [26.403 MeV] (A_Te:223)
120Te52 + 10 D* --> 104Pd46 + 36S16 + 162.007 MeV [26.673 MeV] (A_Te:224)
120Te52 + 10 D* --> 106Pd46 + 34S16 + 161.787 MeV [26.453 MeV] (A_Te:225)
120Te52 + 10 D* --> 108Pd46 + 32S16 + 157.493 MeV [22.159 MeV] (A_Te:226)
120Te52 + 10 D* --> 109Ag47 + 31P15 + 155.116 MeV [19.782 MeV] (A_Te:227)
120Te52 + 10 D* --> 110Cd48 + 30Si14 + 156.739 MeV [21.405 MeV] (A_Te:228)
120Te52 + 10 D* --> 111Cd48 + 29Si14 + 153.105 MeV [17.771 MeV] (A_Te:229)
120Te52 + 10 D* --> 112Cd48 + 28Si14 + 154.026 MeV [18.692 MeV] (A_Te:230)
120Te52 + 10 D* --> 113In49 + 27Al13 + 148.519 MeV [13.185 MeV] (A_Te:231)
120Te52 + 10 D* --> 114Sn50 + 26Mg12 + 148.728 MeV [13.394 MeV] (A_Te:232)
120Te52 + 10 D* --> 115Sn50 + 25Mg12 + 145.181 MeV [9.848 MeV] (A_Te:233)
120Te52 + 10 D* --> 116Sn50 + 24Mg12 + 147.414 MeV [12.080 MeV] (A_Te:234)
120Te52 + 10 D* --> 120Te52 + 20Ne10 + 138.399 MeV [3.065 MeV] (A_Te:235)
120Te52 + 10 D* --> 124Xe54 + 16O8 + 134.350 MeV [-0.984 MeV] (A_Te:236)

120Te52 + 11 D* --> 73Ge32 + 69Ga31 + 195.714 MeV [45.120 MeV] (A_Te:237)
120Te52 + 11 D* --> 75As33 + 67Zn30 + 196.001 MeV [45.407 MeV] (A_Te:238)
120Te52 + 11 D* --> 77Se34 + 65Cu29 + 196.952 MeV [46.358 MeV] (A_Te:239)
120Te52 + 11 D* --> 81Br35 + 61Ni28 + 197.284 MeV [46.690 MeV] (A_Te:240)
120Te52 + 11 D* --> 83Kr36 + 59Co27 + 197.298 MeV [46.705 MeV] (A_Te:241)
120Te52 + 11 D* --> 85Rb37 + 57Fe26 + 197.436 MeV [46.842 MeV] (A_Te:242)
120Te52 + 11 D* --> 87Sr38 + 55Mn25 + 197.679 MeV [47.085 MeV] (A_Te:243)
120Te52 + 11 D* --> 89Y39 + 53Cr24 + 198.075 MeV [47.481 MeV] (A_Te:244)
120Te52 + 11 D* --> 91Zr40 + 51V23 + 195.180 MeV [44.586 MeV] (A_Te:245)
120Te52 + 11 D* --> 92Zr40 + 50V23 + 192.764 MeV [42.170 MeV] (A_Te:246)
120Te52 + 11 D* --> 93Nb41 + 49Ti22 + 190.855 MeV [40.262 MeV] (A_Te:247)

120Te52 + 11 D* --> 97Mo42 + 45Sc21 + 183.697 MeV [33.103 MeV] (A_Te:248)
120Te52 + 11 D* --> 101Ru44 + 41K19 + 178.597 MeV [28.003 MeV] (A_Te:249)
120Te52 + 11 D* --> 102Ru44 + 40K19 + 177.722 MeV [27.128 MeV] (A_Te:250)
120Te52 + 11 D* --> 105Pd46 + 37Cl17 + 175.263 MeV [24.669 MeV] (A_Te:251)
120Te52 + 11 D* --> 109Ag47 + 33S16 + 170.397 MeV [19.803 MeV] (A_Te:252)
120Te52 + 11 D* --> 111Cd48 + 31P15 + 168.787 MeV [18.193 MeV] (A_Te:253)
120Te52 + 11 D* --> 113In49 + 29Si14 + 166.353 MeV [15.759 MeV] (A_Te:254)
120Te52 + 11 D* --> 115Sn50 + 27Al13 + 162.321 MeV [11.727 MeV] (A_Te:255)

120Te52 + 12 D* --> 72Ge32 + 72Ge32 + 213.396 MeV [47.238 MeV] (A_Te:256)
120Te52 + 12 D* --> 74Ge32 + 70Ge32 + 212.210 MeV [46.052 MeV] (A_Te:257)
120Te52 + 12 D* --> 75As33 + 69Ga31 + 210.584 MeV [44.427 MeV] (A_Te:258)
120Te52 + 12 D* --> 74Se34 + 70Zn30 + 210.001 MeV [43.844 MeV] (A_Te:259)
120Te52 + 12 D* --> 76Se34 + 68Zn30 + 213.483 MeV [47.326 MeV] (A_Te:260)
120Te52 + 12 D* --> 77Se34 + 67Zn30 + 210.704 MeV [44.547 MeV] (A_Te:261)
120Te52 + 12 D* --> 78Se34 + 66Zn30 + 214.150 MeV [47.992 MeV] (A_Te:262)
120Te52 + 12 D* --> 80Se34 + 64Zn30 + 211.988 MeV [45.830 MeV] (A_Te:263)
120Te52 + 12 D* --> 79Br35 + 65Cu29 + 211.556 MeV [45.399 MeV] (A_Te:264)
120Te52 + 12 D* --> 81Br35 + 63Cu29 + 211.778 MeV [45.621 MeV] (A_Te:265)
120Te52 + 12 D* --> 80Kr36 + 64Ni28 + 213.216 MeV [47.058 MeV] (A_Te:266)
120Te52 + 12 D* --> 82Kr36 + 62Ni28 + 215.560 MeV [49.402 MeV] (A_Te:267)
120Te52 + 12 D* --> 83Kr36 + 61Ni28 + 212.427 MeV [46.269 MeV] (A_Te:268)
120Te52 + 12 D* --> 84Kr36 + 60Ni28 + 215.127 MeV [48.970 MeV] (A_Te:269)
120Te52 + 12 D* --> 86Kr36 + 58Ni28 + 211.717 MeV [45.560 MeV] (A_Te:270)
120Te52 + 12 D* --> 85Rb37 + 59Co27 + 212.620 MeV [46.462 MeV] (A_Te:271)
120Te52 + 12 D* --> 86Sr38 + 58Fe26 + 214.901 MeV [48.744 MeV] (A_Te:272)
120Te52 + 12 D* --> 87Sr38 + 57Fe26 + 213.285 MeV [47.127 MeV] (A_Te:273)
120Te52 + 12 D* --> 88Sr38 + 56Fe26 + 216.751 MeV [50.594 MeV] (A_Te:274)
120Te52 + 12 D* --> 89Y39 + 55Mn25 + 213.636 MeV [47.479 MeV] (A_Te:275)
120Te52 + 12 D* --> 90Zr40 + 54Cr24 + 213.924 MeV [47.766 MeV] (A_Te:276)
120Te52 + 12 D* --> 91Zr40 + 53Cr24 + 211.399 MeV [45.242 MeV] (A_Te:277)
120Te52 + 12 D* --> 92Zr40 + 52Cr24 + 212.095 MeV [45.937 MeV] (A_Te:278)
120Te52 + 12 D* --> 94Zr40 + 50Cr24 + 205.750 MeV [39.593 MeV] (A_Te:279)
120Te52 + 12 D* --> 93Nb41 + 51V23 + 207.634 MeV [41.476 MeV] (A_Te:280)
120Te52 + 12 D* --> 94Mo42 + 50Ti22 + 208.060 MeV [41.903 MeV] (A_Te:281)
120Te52 + 12 D* --> 95Mo42 + 49Ti22 + 204.490 MeV [38.333 MeV] (A_Te:282)
120Te52 + 12 D* --> 96Mo42 + 48Ti22 + 205.502 MeV [39.345 MeV] (A_Te:283)
120Te52 + 12 D* --> 97Mo42 + 47Ti22 + 200.697 MeV [34.539 MeV] (A_Te:284)
120Te52 + 12 D* --> 98Mo42 + 46Ti22 + 200.459 MeV [34.302 MeV] (A_Te:285)
120Te52 + 12 D* --> 96Ru44 + 48Ca20 + 198.510 MeV [32.353 MeV] (A_Te:286)
120Te52 + 12 D* --> 98Ru44 + 46Ca20 + 199.584 MeV [33.426 MeV] (A_Te:287)
120Te52 + 12 D* --> 100Ru44 + 44Ca20 + 198.912 MeV [32.754 MeV] (A_Te:288)
120Te52 + 12 D* --> 101Ru44 + 43Ca20 + 194.582 MeV [28.425 MeV] (A_Te:289)
120Te52 + 12 D* --> 102Ru44 + 42Ca20 + 195.869 MeV [29.712 MeV] (A_Te:290)
120Te52 + 12 D* --> 104Ru44 + 40Ca20 + 191.159 MeV [25.002 MeV] (A_Te:291)
120Te52 + 12 D* --> 103Rh45 + 41K19 + 191.805 MeV [25.648 MeV] (A_Te:292)
120Te52 + 12 D* --> 104Pd46 + 40Ar18 + 192.654 MeV [26.496 MeV] (A_Te:293)
120Te52 + 12 D* --> 106Pd46 + 38Ar18 + 192.841 MeV [26.684 MeV] (A_Te:294)
120Te52 + 12 D* --> 108Pd46 + 36Ar18 + 187.980 MeV [21.822 MeV] (A_Te:295)
120Te52 + 12 D* --> 107Ag47 + 37Cl17 + 188.387 MeV [22.230 MeV] (A_Te:296)
120Te52 + 12 D* --> 109Ag47 + 35Cl17 + 185.960 MeV [19.803 MeV] (A_Te:297)
120Te52 + 12 D* --> 108Cd48 + 36S16 + 188.140 MeV [21.983 MeV] (A_Te:298)
120Te52 + 12 D* --> 110Cd48 + 34S16 + 188.509 MeV [22.351 MeV] (A_Te:299)
120Te52 + 12 D* --> 111Cd48 + 33S16 + 184.068 MeV [17.910 MeV] (A_Te:300)

120Te52 + 12 D* --> 112Cd48 + 32S16 + 184.820 MeV [18.663 MeV] (A_Te:301)
120Te52 + 12 D* --> 113In49 + 31P15 + 182.035 MeV [15.877 MeV] (A_Te:302)
120Te52 + 12 D* --> 114Sn50 + 30Si14 + 183.218 MeV [17.060 MeV] (A_Te:303)
120Te52 + 12 D* --> 115Sn50 + 29Si14 + 180.155 MeV [13.998 MeV] (A_Te:304)
120Te52 + 12 D* --> 116Sn50 + 28Si14 + 181.245 MeV [15.087 MeV] (A_Te:305)
120Te52 + 12 D* --> 120Te52 + 24Mg12 + 171.562 MeV [5.405 MeV] (A_Te:306)
120Te52 + 12 D* --> 124Xe54 + 20Ne10 + 162.926 MeV [-3.231 MeV] (A_Te:307)

122Te52 + D* --> 110Pd46 + 14N7 + 8.307 MeV [-3.705 MeV] (A_Te:308)
122Te52 + D* --> 113Cd48 + 11B5 + 3.203 MeV [-8.810 MeV] (A_Te:309)
122Te52 + D* --> 114Cd48 + 10B5 + 00.792 MeV [-11.221 MeV] (A_Te:310)
122Te52 + D* --> 115In49 + 9Be4 + 1.011 MeV [-11.002 MeV] (A_Te:311)
122Te52 + D* --> 118Sn50 + 6Li3 + 00.391 MeV [-11.622 MeV] (A_Te:312)
122Te52 + D* --> 123Te52 + 1H1 + 4.705 MeV [-7.308 MeV] (A_Te:313)

122Te52 + 2 D* --> 76Ge32 + 50Ti22 + 60.597 MeV [36.240 MeV] (A_Te:314)
122Te52 + 2 D* --> 78Se34 + 48Ca20 + 57.198 MeV [32.840 MeV] (A_Te:315)
122Te52 + 2 D* --> 80Se34 + 46Ca20 + 56.852 MeV [32.495 MeV] (A_Te:316)
122Te52 + 2 D* --> 82Se34 + 44Ca20 + 55.020 MeV [30.662 MeV] (A_Te:317)
122Te52 + 2 D* --> 86Kr36 + 40Ar18 + 54.263 MeV [29.905 MeV] (A_Te:318)
122Te52 + 2 D* --> 96Zr40 + 30Si14 + 45.833 MeV [21.476 MeV] (A_Te:319)
122Te52 + 2 D* --> 100Mo42 + 26Mg12 + 38.356 MeV [13.999 MeV] (A_Te:320)
122Te52 + 2 D* --> 104Ru44 + 22Ne10 + 32.071 MeV [7.713 MeV] (A_Te:321)
122Te52 + 2 D* --> 108Pd46 + 18O8 + 26.263 MeV [1.906 MeV] (A_Te:322)
122Te52 + 2 D* --> 110Pd46 + 16O8 + 29.044 MeV [4.686 MeV] (A_Te:323)
122Te52 + 2 D* --> 113Cd48 + 13C6 + 21.882 MeV [-2.476 MeV] (A_Te:324)
122Te52 + 2 D* --> 114Cd48 + 12C6 + 25.978 MeV [1.621 MeV] (A_Te:325)
122Te52 + 2 D* --> 115In49 + 11B5 + 16.826 MeV [-7.532 MeV] (A_Te:326)
122Te52 + 2 D* --> 117Sn50 + 9Be4 + 15.010 MeV [-9.348 MeV] (A_Te:327)
122Te52 + 2 D* --> 122Te52 + 4He2 + 23.847 MeV [-0.511 MeV] (A_Te:328)
122Te52 + 2 D* --> 123Te52 + 3He2 + 10.198 MeV [-14.160 MeV] (A_Te:329)
122Te52 + 2 D* --> 126Xe54 + 25.126 MeV [00.768 MeV] (A_Te:330)

122Te52 + 3 D* --> 113Cd48 + 15N7 + 38.041 MeV [1.010 MeV] (A_Te:331)
122Te52 + 3 D* --> 114Cd48 + 14N7 + 36.251 MeV [-0.780 MeV] (A_Te:332)
122Te52 + 3 D* --> 115In49 + 13C6 + 35.505 MeV [-1.526 MeV] (A_Te:333)
122Te52 + 3 D* --> 117Sn50 + 11B5 + 30.825 MeV [-6.206 MeV] (A_Te:334)
122Te52 + 3 D* --> 118Sn50 + 10B5 + 28.698 MeV [-8.332 MeV] (A_Te:335)
122Te52 + 3 D* --> 122Te52 + 6Li3 + 25.320 MeV [-11.711 MeV] (A_Te:336)
122Te52 + 3 D* --> 126Xe54 + 2H1 + 25.126 MeV [-11.905 MeV] (A_Te:337)

122Te52 + 4 D* --> 76Ge32 + 54Cr24 + 92.374 MeV [42.345 MeV] (A_Te:338)
122Te52 + 4 D* --> 80Se34 + 50Ti22 + 91.415 MeV [41.386 MeV] (A_Te:339)
122Te52 + 4 D* --> 82Se34 + 48Ti22 + 88.311 MeV [38.281 MeV] (A_Te:340)
122Te52 + 4 D* --> 82Kr36 + 48Ca20 + 87.032 MeV [37.003 MeV] (A_Te:341)
122Te52 + 4 D* --> 84Kr36 + 46Ca20 + 87.795 MeV [37.765 MeV] (A_Te:342)
122Te52 + 4 D* --> 86Kr36 + 44Ca20 + 86.963 MeV [36.933 MeV] (A_Te:343)
122Te52 + 4 D* --> 94Zr40 + 36S16 + 80.160 MeV [30.130 MeV] (A_Te:344)
122Te52 + 4 D* --> 96Zr40 + 34S16 + 77.603 MeV [27.574 MeV] (A_Te:345)
122Te52 + 4 D* --> 100Mo42 + 30Si14 + 72.846 MeV [22.816 MeV] (A_Te:346)
122Te52 + 4 D* --> 104Ru44 + 26Mg12 + 66.532 MeV [16.503 MeV] (A_Te:347)
122Te52 + 4 D* --> 108Pd46 + 22Ne10 + 59.778 MeV [9.748 MeV] (A_Te:348)
122Te52 + 4 D* --> 110Pd46 + 20Ne10 + 57.620 MeV [7.590 MeV] (A_Te:349)
122Te52 + 4 D* --> 112Cd48 + 18O8 + 53.591 MeV [3.561 MeV] (A_Te:350)

122Te52 + 4 D* --> 113Cd48 + 17O8 + 52.087 MeV [2.057 MeV] (A_Te:351)
122Te52 + 4 D* --> 114Cd48 + 16O8 + 56.987 MeV [6.957 MeV] (A_Te:352)
122Te52 + 4 D* --> 115In49 + 15N7 + 51.664 MeV [1.634 MeV] (A_Te:353)
122Te52 + 4 D* --> 117Sn50 + 13C6 + 49.504 MeV [-0.526 MeV] (A_Te:354)
122Te52 + 4 D* --> 118Sn50 + 12C6 + 53.885 MeV [3.855 MeV] (A_Te:355)
122Te52 + 4 D* --> 126Xe54 + 4He2 + 48.972 MeV [-1.057 MeV] (A_Te:356)
122Te52 + 4 D* --> 130Ba56 + 49.490 MeV [-0.539 MeV] (A_Te:357)

122Te52 + 5 D* --> 82Se34 + 50V23 + 102.180 MeV [38.829 MeV] (A_Te:358)
122Te52 + 5 D* --> 113Cd48 + 19F9 + 65.901 MeV [2.550 MeV] (A_Te:359)
122Te52 + 5 D* --> 115In49 + 17O8 + 65.710 MeV [2.359 MeV] (A_Te:360)
122Te52 + 5 D* --> 117Sn50 + 15N7 + 65.663 MeV [2.312 MeV] (A_Te:361)
122Te52 + 5 D* --> 118Sn50 + 14N7 + 64.157 MeV [00.806 MeV] (A_Te:362)
122Te52 + 5 D* --> 122Te52 + 10B5 + 53.628 MeV [-9.723 MeV] (A_Te:363)
122Te52 + 5 D* --> 126Xe54 + 6Li3 + 50.446 MeV [-12.905 MeV] (A_Te:364)
122Te52 + 5 D* --> 130Ba56 + 2H1 + 49.490 MeV [-13.860 MeV] (A_Te:365)

122Te52 + 6 D* --> 70Zn30 + 64Ni28 + 125.164 MeV [48.173 MeV] (A_Te:366)
122Te52 + 6 D* --> 76Ge32 + 58Fe26 + 123.867 MeV [46.875 MeV] (A_Te:367)
122Te52 + 6 D* --> 80Se34 + 54Cr24 + 123.193 MeV [46.201 MeV] (A_Te:368)
122Te52 + 6 D* --> 82Se34 + 52Cr24 + 121.511 MeV [44.520 MeV] (A_Te:369)
122Te52 + 6 D* --> 84Kr36 + 50Ti22 + 122.358 MeV [45.366 MeV] (A_Te:370)
122Te52 + 6 D* --> 86Kr36 + 48Ti22 + 120.254 MeV [43.262 MeV] (A_Te:371)
122Te52 + 6 D* --> 86Sr38 + 48Ca20 + 117.238 MeV [40.246 MeV] (A_Te:372)
122Te52 + 6 D* --> 88Sr38 + 46Ca20 + 119.557 MeV [42.565 MeV] (A_Te:373)
122Te52 + 6 D* --> 94Zr40 + 40Ar18 + 110.807 MeV [33.815 MeV] (A_Te:374)
122Te52 + 6 D* --> 96Zr40 + 38Ar18 + 108.658 MeV [31.666 MeV] (A_Te:375)
122Te52 + 6 D* --> 98Mo42 + 36S16 + 107.276 MeV [30.284 MeV] (A_Te:376)
122Te52 + 6 D* --> 100Mo42 + 34S16 + 104.616 MeV [27.625 MeV] (A_Te:377)
122Te52 + 6 D* --> 104Ru44 + 30Si14 + 101.022 MeV [24.030 MeV] (A_Te:378)
122Te52 + 6 D* --> 108Pd46 + 26Mg12 + 94.239 MeV [17.248 MeV] (A_Te:379)
122Te52 + 6 D* --> 110Pd46 + 24Mg12 + 90.783 MeV [13.791 MeV] (A_Te:380)
122Te52 + 6 D* --> 112Cd48 + 22Ne10 + 87.106 MeV [10.114 MeV] (A_Te:381)
122Te52 + 6 D* --> 113Cd48 + 21Ne10 + 83.281 MeV [6.290 MeV] (A_Te:382)
122Te52 + 6 D* --> 114Cd48 + 20Ne10 + 85.563 MeV [8.572 MeV] (A_Te:383)
122Te52 + 6 D* --> 115In49 + 19F9 + 79.524 MeV [2.533 MeV] (A_Te:384)
122Te52 + 6 D* --> 116Sn50 + 18O8 + 80.810 MeV [3.818 MeV] (A_Te:385)
122Te52 + 6 D* --> 117Sn50 + 17O8 + 79.709 MeV [2.717 MeV] (A_Te:386)
122Te52 + 6 D* --> 118Sn50 + 16O8 + 84.893 MeV [7.902 MeV] (A_Te:387)
122Te52 + 6 D* --> 122Te52 + 12C6 + 78.814 MeV [1.823 MeV] (A_Te:388)
122Te52 + 6 D* --> 130Ba56 + 4He2 + 73.337 MeV [-3.655 MeV] (A_Te:389)

122Te52 + 7 D* --> 86Kr36 + 50V23 + 134.123 MeV [43.174 MeV] (A_Te:390)
122Te52 + 7 D* --> 87Rb37 + 49Ti22 + 134.793 MeV [43.843 MeV] (A_Te:391)
122Te52 + 7 D* --> 96Zr40 + 40K19 + 120.614 MeV [29.665 MeV] (A_Te:392)
122Te52 + 7 D* --> 113Cd48 + 23Na11 + 100.215 MeV [9.266 MeV] (A_Te:393)
122Te52 + 7 D* --> 115In49 + 21Ne10 + 96.904 MeV [5.955 MeV] (A_Te:394)
122Te52 + 7 D* --> 117Sn50 + 19F9 + 93.523 MeV [2.574 MeV] (A_Te:395)
122Te52 + 7 D* --> 122Te52 + 14N7 + 89.087 MeV [-1.863 MeV] (A_Te:396)
122Te52 + 7 D* --> 126Xe54 + 10B5 + 78.754 MeV [-12.195 MeV] (A_Te:397)
122Te52 + 7 D* --> 130Ba56 + 6Li3 + 74.811 MeV [-16.138 MeV] (A_Te:398)

122Te52 + 8 D* --> 70Zn30 + 68Zn30 + 154.344 MeV [49.123 MeV] (A_Te:399)
122Te52 + 8 D* --> 74Ge32 + 64Ni28 + 155.293 MeV [50.073 MeV] (A_Te:400)

122Te52 + 8 D* --> 76Ge32 + 62Ni28 + 154.731 MeV [49.510 MeV] (A_Te:401)
122Te52 + 8 D* --> 80Se34 + 58Fe26 + 154.685 MeV [49.464 MeV] (A_Te:402)
122Te52 + 8 D* --> 82Se34 + 56Fe26 + 152.971 MeV [47.750 MeV] (A_Te:403)
122Te52 + 8 D* --> 84Kr36 + 54Cr24 + 154.135 MeV [48.915 MeV] (A_Te:404)
122Te52 + 8 D* --> 86Kr36 + 52Cr24 + 153.454 MeV [48.233 MeV] (A_Te:405)
122Te52 + 8 D* --> 87Rb37 + 51V23 + 151.571 MeV [46.350 MeV] (A_Te:406)
122Te52 + 8 D* --> 88Sr38 + 50Ti22 + 154.120 MeV [48.899 MeV] (A_Te:407)
122Te52 + 8 D* --> 90Zr40 + 48Ca20 + 147.753 MeV [42.532 MeV] (A_Te:408)
122Te52 + 8 D* --> 92Zr40 + 46Ca20 + 146.361 MeV [41.140 MeV] (A_Te:409)
122Te52 + 8 D* --> 94Zr40 + 44Ca20 + 143.507 MeV [38.286 MeV] (A_Te:410)
122Te52 + 8 D* --> 96Zr40 + 42Ca20 + 138.762 MeV [33.541 MeV] (A_Te:411)
122Te52 + 8 D* --> 98Mo42 + 40Ar18 + 137.923 MeV [32.703 MeV] (A_Te:412)
122Te52 + 8 D* --> 100Mo42 + 38Ar18 + 135.671 MeV [30.450 MeV] (A_Te:413)
122Te52 + 8 D* --> 102Ru44 + 36S16 + 134.534 MeV [29.313 MeV] (A_Te:414)
122Te52 + 8 D* --> 104Ru44 + 34S16 + 132.792 MeV [27.572 MeV] (A_Te:415)
122Te52 + 8 D* --> 108Pd46 + 30Si14 + 128.729 MeV [23.508 MeV] (A_Te:416)
122Te52 + 8 D* --> 110Pd46 + 28Si14 + 124.614 MeV [19.393 MeV] (A_Te:417)
122Te52 + 8 D* --> 112Cd48 + 26Mg12 + 121.567 MeV [16.346 MeV] (A_Te:418)
122Te52 + 8 D* --> 113Cd48 + 25Mg12 + 117.014 MeV [11.793 MeV] (A_Te:419)
122Te52 + 8 D* --> 114Cd48 + 24Mg12 + 118.726 MeV [13.505 MeV] (A_Te:420)
122Te52 + 8 D* --> 115In49 + 23Na11 + 113.838 MeV [8.617 MeV] (A_Te:421)
122Te52 + 8 D* --> 116Sn50 + 22Ne10 + 114.325 MeV [9.104 MeV] (A_Te:422)
122Te52 + 8 D* --> 117Sn50 + 21Ne10 + 110.903 MeV [5.683 MeV] (A_Te:423)
122Te52 + 8 D* --> 118Sn50 + 20Ne10 + 113.470 MeV [8.249 MeV] (A_Te:424)
122Te52 + 8 D* --> 120Te52 + 18O8 + 104.958 MeV [-0.263 MeV] (A_Te:425)
122Te52 + 8 D* --> 122Te52 + 16O8 + 109.823 MeV [4.602 MeV] (A_Te:426)
122Te52 + 8 D* --> 126Xe54 + 12C6 + 103.940 MeV [-1.280 MeV] (A_Te:427)

122Te52 + 9 D* --> 87Rb37 + 53Cr24 + 167.790 MeV [47.986 MeV] (A_Te:428)
122Te52 + 9 D* --> 100Mo42 + 40K19 + 147.627 MeV [27.823 MeV] (A_Te:429)
122Te52 + 9 D* --> 113Cd48 + 27Al13 + 134.153 MeV [14.350 MeV] (A_Te:430)
122Te52 + 9 D* --> 115In49 + 25Mg12 + 130.637 MeV [10.833 MeV] (A_Te:431)
122Te52 + 9 D* --> 117Sn50 + 23Na11 + 127.837 MeV [8.034 MeV] (A_Te:432)
122Te52 + 9 D* --> 126Xe54 + 14N7 + 114.213 MeV [-5.591 MeV] (A_Te:433)
122Te52 + 9 D* --> 130Ba56 + 10B5 + 103.118 MeV [-16.685 MeV] (A_Te:434)

122Te52 + 10 D* --> 71Ga31 + 71Ga31 + 181.324 MeV [46.628 MeV] (A_Te:435)
122Te52 + 10 D* --> 72Ge32 + 70Zn30 + 183.194 MeV [48.498 MeV] (A_Te:436)
122Te52 + 10 D* --> 74Ge32 + 68Zn30 + 184.473 MeV [49.777 MeV] (A_Te:437)
122Te52 + 10 D* --> 76Ge32 + 66Zn30 + 183.156 MeV [48.460 MeV] (A_Te:438)
122Te52 + 10 D* --> 78Se34 + 64Ni28 + 185.169 MeV [50.473 MeV] (A_Te:439)
122Te52 + 10 D* --> 80Se34 + 62Ni28 + 185.549 MeV [50.854 MeV] (A_Te:440)
122Te52 + 10 D* --> 82Se34 + 60Ni28 + 183.109 MeV [48.414 MeV] (A_Te:441)
122Te52 + 10 D* --> 84Kr36 + 58Fe26 + 185.628 MeV [50.932 MeV] (A_Te:442)
122Te52 + 10 D* --> 86Kr36 + 56Fe26 + 184.914 MeV [50.219 MeV] (A_Te:443)
122Te52 + 10 D* --> 87Rb37 + 55Mn25 + 183.352 MeV [48.656 MeV] (A_Te:444)
122Te52 + 10 D* --> 88Sr38 + 54Cr24 + 185.897 MeV [51.202 MeV] (A_Te:445)
122Te52 + 10 D* --> 92Zr40 + 50Ti22 + 180.924 MeV [46.228 MeV] (A_Te:446)
122Te52 + 10 D* --> 94Zr40 + 48Ti22 + 176.798 MeV [42.102 MeV] (A_Te:447)
122Te52 + 10 D* --> 96Zr40 + 46Ti22 + 170.609 MeV [35.914 MeV] (A_Te:448)
122Te52 + 10 D* --> 94Mo42 + 48Ca20 + 173.667 MeV [38.972 MeV] (A_Te:449)
122Te52 + 10 D* --> 96Mo42 + 46Ca20 + 172.969 MeV [38.273 MeV] (A_Te:450)
122Te52 + 10 D* --> 98Mo42 + 44Ca20 + 170.623 MeV [35.928 MeV] (A_Te:451)
122Te52 + 10 D* --> 100Mo42 + 42Ca20 + 165.775 MeV [31.079 MeV] (A_Te:452)

122Te52 + 10 D* --> 102Ru44 + 40Ar18 + 165.181 MeV [30.486 MeV] (A_Te:453)
122Te52 + 10 D* --> 104Ru44 + 38Ar18 + 163.847 MeV [29.151 MeV] (A_Te:454)
122Te52 + 10 D* --> 106Pd46 + 36S16 + 161.610 MeV [26.914 MeV] (A_Te:455)
122Te52 + 10 D* --> 108Pd46 + 34S16 + 160.499 MeV [25.804 MeV] (A_Te:456)
122Te52 + 10 D* --> 110Pd46 + 32S16 + 155.408 MeV [20.713 MeV] (A_Te:457)
122Te52 + 10 D* --> 112Cd48 + 30Si14 + 156.057 MeV [21.361 MeV] (A_Te:458)
122Te52 + 10 D* --> 113Cd48 + 29Si14 + 151.988 MeV [17.292 MeV] (A_Te:459)
122Te52 + 10 D* --> 114Cd48 + 28Si14 + 152.557 MeV [17.861 MeV] (A_Te:460)
122Te52 + 10 D* --> 115In49 + 27Al13 + 147.776 MeV [13.081 MeV] (A_Te:461)
122Te52 + 10 D* --> 116Sn50 + 26Mg12 + 148.786 MeV [14.090 MeV] (A_Te:462)
122Te52 + 10 D* --> 117Sn50 + 25Mg12 + 144.636 MeV [9.941 MeV] (A_Te:463)
122Te52 + 10 D* --> 118Sn50 + 24Mg12 + 146.633 MeV [11.937 MeV] (A_Te:464)
122Te52 + 10 D* --> 120Te52 + 22Ne10 + 138.472 MeV [3.777 MeV] (A_Te:465)
122Te52 + 10 D* --> 122Te52 + 20Ne10 + 138.399 MeV [3.704 MeV] (A_Te:466)
122Te52 + 10 D* --> 124Xe54 + 18O8 + 129.485 MeV [-5.211 MeV] (A_Te:467)
122Te52 + 10 D* --> 126Xe54 + 16O8 + 134.949 MeV [00.253 MeV] (A_Te:468)
122Te52 + 10 D* --> 130Ba56 + 12C6 + 128.305 MeV [-6.391 MeV] (A_Te:469)

122Te52 + 11 D* --> 73Ge32 + 71Ga31 + 195.617 MeV [45.723 MeV] (A_Te:470)
122Te52 + 11 D* --> 87Rb37 + 57Fe26 + 198.957 MeV [49.063 MeV] (A_Te:471)
122Te52 + 11 D* --> 94Zr40 + 50V23 + 190.667 MeV [40.774 MeV] (A_Te:472)
122Te52 + 11 D* --> 104Ru44 + 40K19 + 175.803 MeV [25.910 MeV] (A_Te:473)
122Te52 + 11 D* --> 113Cd48 + 31P15 + 167.669 MeV [17.776 MeV] (A_Te:474)
122Te52 + 11 D* --> 115In49 + 29Si14 + 165.611 MeV [15.717 MeV] (A_Te:475)
122Te52 + 11 D* --> 117Sn50 + 27Al13 + 161.776 MeV [11.882 MeV] (A_Te:476)
122Te52 + 11 D* --> 130Ba56 + 14N7 + 138.577 MeV [-11.316 MeV] (A_Te:477)

122Te52 + 12 D* --> 73Ge32 + 73Ge32 + 209.910 MeV [44.514 MeV] (A_Te:478)
122Te52 + 12 D* --> 74Ge32 + 72Ge32 + 213.323 MeV [47.928 MeV] (A_Te:479)
122Te52 + 12 D* --> 76Ge32 + 70Ge32 + 211.091 MeV [45.695 MeV] (A_Te:480)
122Te52 + 12 D* --> 75As33 + 71Ga31 + 210.487 MeV [45.092 MeV] (A_Te:481)
122Te52 + 12 D* --> 76Se34 + 70Zn30 + 212.131 MeV [46.736 MeV] (A_Te:482)
122Te52 + 12 D* --> 78Se34 + 68Zn30 + 214.348 MeV [48.953 MeV] (A_Te:483)
122Te52 + 12 D* --> 80Se34 + 66Zn30 + 213.974 MeV [48.579 MeV] (A_Te:484)
122Te52 + 12 D* --> 82Se34 + 64Zn30 + 210.912 MeV [45.517 MeV] (A_Te:485)
122Te52 + 12 D* --> 81Br35 + 65Cu29 + 212.553 MeV [47.158 MeV] (A_Te:486)
122Te52 + 12 D* --> 82Kr36 + 64Ni28 + 215.003 MeV [49.608 MeV] (A_Te:487)
122Te52 + 12 D* --> 84Kr36 + 62Ni28 + 216.492 MeV [51.096 MeV] (A_Te:488)
122Te52 + 12 D* --> 86Kr36 + 60Ni28 + 215.052 MeV [49.657 MeV] (A_Te:489)
122Te52 + 12 D* --> 87Rb37 + 59Co27 + 214.141 MeV [48.745 MeV] (A_Te:490)
122Te52 + 12 D* --> 88Sr38 + 58Fe26 + 217.390 MeV [51.994 MeV] (A_Te:491)
122Te52 + 12 D* --> 92Zr40 + 54Cr24 + 212.701 MeV [47.306 MeV] (A_Te:492)
122Te52 + 12 D* --> 94Zr40 + 52Cr24 + 209.998 MeV [44.603 MeV] (A_Te:493)
122Te52 + 12 D* --> 96Zr40 + 50Cr24 + 203.017 MeV [37.622 MeV] (A_Te:494)
122Te52 + 12 D* --> 96Mo42 + 50Ti22 + 207.532 MeV [42.136 MeV] (A_Te:495)
122Te52 + 12 D* --> 97Mo42 + 49Ti22 + 203.414 MeV [38.019 MeV] (A_Te:496)
122Te52 + 12 D* --> 98Mo42 + 48Ti22 + 203.914 MeV [38.519 MeV] (A_Te:497)
122Te52 + 12 D* --> 100Mo42 + 46Ti22 + 197.622 MeV [32.227 MeV] (A_Te:498)
122Te52 + 12 D* --> 98Ru44 + 48Ca20 + 199.753 MeV [34.358 MeV] (A_Te:499)
122Te52 + 12 D* --> 100Ru44 + 46Ca20 + 199.669 MeV [34.273 MeV] (A_Te:500)
122Te52 + 12 D* --> 102Ru44 + 44Ca20 + 197.881 MeV [32.486 MeV] (A_Te:501)
122Te52 + 12 D* --> 104Ru44 + 42Ca20 + 193.951 MeV [28.555 MeV] (A_Te:502)
122Te52 + 12 D* --> 106Pd46 + 40Ar18 + 192.257 MeV [26.862 MeV] (A_Te:503)
122Te52 + 12 D* --> 108Pd46 + 38Ar18 + 191.553 MeV [26.158 MeV] (A_Te:504)

122Te52 + 12 D* --> 110Pd46 + 36Ar18 + 185.895 MeV [20.500 MeV] (A_Te:505)
122Te52 + 12 D* --> 109Ag47 + 37Cl17 + 187.799 MeV [22.403 MeV] (A_Te:506)
122Te52 + 12 D* --> 110Cd48 + 36S16 + 188.332 MeV [22.936 MeV] (A_Te:507)
122Te52 + 12 D* --> 112Cd48 + 34S16 + 187.827 MeV [22.432 MeV] (A_Te:508)
122Te52 + 12 D* --> 113Cd48 + 33S16 + 182.950 MeV [17.555 MeV] (A_Te:509)
122Te52 + 12 D* --> 114Cd48 + 32S16 + 183.351 MeV [17.956 MeV] (A_Te:510)
122Te52 + 12 D* --> 115In49 + 31P15 + 181.292 MeV [15.897 MeV] (A_Te:511)
122Te52 + 12 D* --> 116Sn50 + 30Si14 + 183.276 MeV [17.880 MeV] (A_Te:512)
122Te52 + 12 D* --> 117Sn50 + 29Si14 + 179.610 MeV [14.214 MeV] (A_Te:513)
122Te52 + 12 D* --> 118Sn50 + 28Si14 + 180.463 MeV [15.068 MeV] (A_Te:514)
122Te52 + 12 D* --> 120Te52 + 26Mg12 + 172.934 MeV [7.538 MeV] (A_Te:515)
122Te52 + 12 D* --> 122Te52 + 24Mg12 + 171.562 MeV [6.167 MeV] (A_Te:516)
122Te52 + 12 D* --> 124Xe54 + 22Ne10 + 162.999 MeV [-2.396 MeV] (A_Te:517)
122Te52 + 12 D* --> 126Xe54 + 20Ne10 + 163.525 MeV [-1.870 MeV] (A_Te:518)
122Te52 + 12 D* --> 130Ba56 + 16O8 + 159.313 MeV [-6.082 MeV] (A_Te:519)

123Te52 + D* --> 110Pd46 + 15N7 + 12.212 MeV [00.231 MeV] (A_Te:520)
123Te52 + D* --> 114Cd48 + 11B5 + 5.317 MeV [-6.664 MeV] (A_Te:521)
123Te52 + D* --> 118Sn50 + 7Li3 + 00.712 MeV [-11.269 MeV] (A_Te:522)
123Te52 + D* --> 121Sb51 + 4He2 + 11.134 MeV [-0.847 MeV] (A_Te:523)
123Te52 + D* --> 124Te52 + 1H1 + 7.199 MeV [-4.781 MeV] (A_Te:524)

123Te52 + 2 D* --> 110Pd46 + 17O8 + 26.258 MeV [1.964 MeV] (A_Te:525)
123Te52 + 2 D* --> 114Cd48 + 13C6 + 23.995 MeV [-0.298 MeV] (A_Te:526)
123Te52 + 2 D* --> 118Sn50 + 9Be4 + 17.408 MeV [-6.886 MeV] (A_Te:527)
123Te52 + 2 D* --> 121Sb51 + 6Li3 + 12.608 MeV [-11.686 MeV] (A_Te:528)
123Te52 + 2 D* --> 123Te52 + 4He2 + 23.847 MeV [-0.447 MeV] (A_Te:529)
123Te52 + 2 D* --> 124Te52 + 3He2 + 12.693 MeV [-11.601 MeV] (A_Te:530)

123Te52 + 3 D* --> 81Br35 + 48Ca20 + 72.424 MeV [35.489 MeV] (A_Te:531)
123Te52 + 3 D* --> 110Pd46 + 19F9 + 40.072 MeV [3.137 MeV] (A_Te:532)
123Te52 + 3 D* --> 114Cd48 + 15N7 + 40.155 MeV [3.220 MeV] (A_Te:533)
123Te52 + 3 D* --> 118Sn50 + 11B5 + 33.223 MeV [-3.712 MeV] (A_Te:534)
123Te52 + 3 D* --> 119Sn50 + 10B5 + 28.253 MeV [-8.682 MeV] (A_Te:535)
123Te52 + 3 D* --> 122Te52 + 7Li3 + 25.641 MeV [-11.294 MeV] (A_Te:536)
123Te52 + 3 D* --> 123Te52 + 6Li3 + 25.320 MeV [-11.615 MeV] (A_Te:537)
123Te52 + 3 D* --> 128Xe54 + 1H1 + 32.806 MeV [-4.129 MeV] (A_Te:538)

123Te52 + 4 D* --> 82Se34 + 49Ti22 + 89.524 MeV [39.622 MeV] (A_Te:539)
123Te52 + 4 D* --> 83Kr36 + 48Ca20 + 87.567 MeV [37.665 MeV] (A_Te:540)
123Te52 + 4 D* --> 110Pd46 + 21Ne10 + 57.452 MeV [7.550 MeV] (A_Te:541)
123Te52 + 4 D* --> 113Cd48 + 18O8 + 53.202 MeV [3.300 MeV] (A_Te:542)
123Te52 + 4 D* --> 114Cd48 + 17O8 + 54.201 MeV [4.299 MeV] (A_Te:543)
123Te52 + 4 D* --> 118Sn50 + 13C6 + 51.902 MeV [2.000 MeV] (A_Te:544)
123Te52 + 4 D* --> 119Sn50 + 12C6 + 53.439 MeV [3.537 MeV] (A_Te:545)
123Te52 + 4 D* --> 121Sb51 + 10B5 + 40.915 MeV [-8.987 MeV] (A_Te:546)
123Te52 + 4 D* --> 122Te52 + 9Be4 + 42.337 MeV [-7.565 MeV] (A_Te:547)
123Te52 + 4 D* --> 128Xe54 + 3He2 + 38.300 MeV [-11.602 MeV] (A_Te:548)

123Te52 + 5 D* --> 82Se34 + 51V23 + 106.302 MeV [43.110 MeV] (A_Te:549)
123Te52 + 5 D* --> 85Rb37 + 48Ca20 + 102.888 MeV [39.696 MeV] (A_Te:550)
123Te52 + 5 D* --> 87Rb37 + 46Ca20 + 104.240 MeV [41.048 MeV] (A_Te:551)
123Te52 + 5 D* --> 96Zr40 + 37Cl17 + 93.711 MeV [30.519 MeV] (A_Te:552)
123Te52 + 5 D* --> 110Pd46 + 23Na11 + 74.386 MeV [11.194 MeV] (A_Te:553)

123Te52 + 5 D* --> 114Cd48 + 19F9 + 68.015 MeV [4.823 MeV] (A_Te:554)
123Te52 + 5 D* --> 115In49 + 18O8 + 66.825 MeV [3.633 MeV] (A_Te:555)
123Te52 + 5 D* --> 118Sn50 + 15N7 + 68.061 MeV [4.870 MeV] (A_Te:556)
123Te52 + 5 D* --> 119Sn50 + 14N7 + 63.712 MeV [00.520 MeV] (A_Te:557)
123Te52 + 5 D* --> 121Sb51 + 12C6 + 66.102 MeV [2.910 MeV] (A_Te:558)
123Te52 + 5 D* --> 122Te52 + 11B5 + 58.153 MeV [-5.039 MeV] (A_Te:559)
123Te52 + 5 D* --> 123Te52 + 10B5 + 53.628 MeV [-9.564 MeV] (A_Te:560)
123Te52 + 5 D* --> 126Xe54 + 7Li3 + 50.767 MeV [-12.425 MeV] (A_Te:561)
123Te52 + 5 D* --> 132Ba56 + 1H1 + 57.653 MeV [-5.539 MeV] (A_Te:562)

123Te52 + 6 D* --> 82Se34 + 53Cr24 + 122.521 MeV [45.720 MeV] (A_Te:563)
123Te52 + 6 D* --> 86Kr36 + 49Ti22 + 121.467 MeV [44.666 MeV] (A_Te:564)
123Te52 + 6 D* --> 87Sr38 + 48Ca20 + 118.737 MeV [41.936 MeV] (A_Te:565)
123Te52 + 6 D* --> 110Pd46 + 25Mg12 + 91.184 MeV [14.383 MeV] (A_Te:566)
123Te52 + 6 D* --> 113Cd48 + 22Ne10 + 86.716 MeV [9.915 MeV] (A_Te:567)
123Te52 + 6 D* --> 114Cd48 + 21Ne10 + 85.395 MeV [8.594 MeV] (A_Te:568)
123Te52 + 6 D* --> 117Sn50 + 18O8 + 80.824 MeV [4.023 MeV] (A_Te:569)
123Te52 + 6 D* --> 118Sn50 + 17O8 + 82.107 MeV [5.306 MeV] (A_Te:570)
123Te52 + 6 D* --> 119Sn50 + 16O8 + 84.448 MeV [7.647 MeV] (A_Te:571)
123Te52 + 6 D* --> 121Sb51 + 14N7 + 76.374 MeV [-0.427 MeV] (A_Te:572)
123Te52 + 6 D* --> 122Te52 + 13C6 + 76.831 MeV [00.030 MeV] (A_Te:573)
123Te52 + 6 D* --> 123Te52 + 12C6 + 78.814 MeV [2.013 MeV] (A_Te:574)
123Te52 + 6 D* --> 126Xe54 + 9Be4 + 67.463 MeV [-9.338 MeV] (A_Te:575)
123Te52 + 6 D* --> 132Ba56 + 3He2 + 63.146 MeV [-13.655 MeV] (A_Te:576)

123Te52 + 7 D* --> 82Se34 + 55Mn25 + 138.083 MeV [47.355 MeV] (A_Te:577)
123Te52 + 7 D* --> 86Kr36 + 51V23 + 138.245 MeV [47.518 MeV] (A_Te:578)
123Te52 + 7 D* --> 87Rb37 + 50Ti22 + 138.803 MeV [48.075 MeV] (A_Te:579)
123Te52 + 7 D* --> 89Y39 + 48Ca20 + 134.694 MeV [43.967 MeV] (A_Te:580)
123Te52 + 7 D* --> 96Zr40 + 41K19 + 123.780 MeV [33.053 MeV] (A_Te:581)
123Te52 + 7 D* --> 100Mo42 + 37Cl17 + 120.724 MeV [29.997 MeV] (A_Te:582)
123Te52 + 7 D* --> 110Pd46 + 27Al13 + 108.324 MeV [17.597 MeV] (A_Te:583)
123Te52 + 7 D* --> 114Cd48 + 23Na11 + 102.329 MeV [11.602 MeV] (A_Te:584)
123Te52 + 7 D* --> 115In49 + 22Ne10 + 100.339 MeV [9.612 MeV] (A_Te:585)
123Te52 + 7 D* --> 118Sn50 + 19F9 + 95.922 MeV [5.194 MeV] (A_Te:586)
123Te52 + 7 D* --> 121Sb51 + 16O8 + 97.110 MeV [6.383 MeV] (A_Te:587)
123Te52 + 7 D* --> 122Te52 + 15N7 + 92.991 MeV [2.263 MeV] (A_Te:588)
123Te52 + 7 D* --> 123Te52 + 14N7 + 89.087 MeV [-1.641 MeV] (A_Te:589)
123Te52 + 7 D* --> 126Xe54 + 11B5 + 83.279 MeV [-7.449 MeV] (A_Te:590)
123Te52 + 7 D* --> 130Ba56 + 7Li3 + 75.132 MeV [-15.596 MeV] (A_Te:591)
123Te52 + 7 D* --> 136Ce58 + 1H1 + 81.958 MeV [-8.770 MeV] (A_Te:592)

123Te52 + 8 D* --> 82Se34 + 57Fe26 + 153.688 MeV [48.720 MeV] (A_Te:593)
123Te52 + 8 D* --> 86Kr36 + 53Cr24 + 154.464 MeV [49.496 MeV] (A_Te:594)
123Te52 + 8 D* --> 91Zr40 + 48Ca20 + 148.018 MeV [43.051 MeV] (A_Te:595)
123Te52 + 8 D* --> 96Zr40 + 43Ca20 + 139.765 MeV [34.797 MeV] (A_Te:596)
123Te52 + 8 D* --> 110Pd46 + 29Si14 + 126.158 MeV [21.190 MeV] (A_Te:597)
123Te52 + 8 D* --> 113Cd48 + 26Mg12 + 121.178 MeV [16.210 MeV] (A_Te:598)
123Te52 + 8 D* --> 114Cd48 + 25Mg12 + 119.128 MeV [14.160 MeV] (A_Te:599)
123Te52 + 8 D* --> 117Sn50 + 22Ne10 + 114.339 MeV [9.371 MeV] (A_Te:600)
123Te52 + 8 D* --> 118Sn50 + 21Ne10 + 113.302 MeV [8.334 MeV] (A_Te:601)
123Te52 + 8 D* --> 119Sn50 + 20Ne10 + 113.024 MeV [8.056 MeV] (A_Te:602)
123Te52 + 8 D* --> 122Te52 + 17O8 + 107.037 MeV [2.069 MeV] (A_Te:603)
123Te52 + 8 D* --> 123Te52 + 16O8 + 109.823 MeV [4.855 MeV] (A_Te:604)

123Te52 + 8 D* --> 126Xe54 + 13C6 + 101.957 MeV [-3.010 MeV] (A_Te:605)
123Te52 + 8 D* --> 130Ba56 + 9Be4 + 91.828 MeV [-13.140 MeV] (A_Te:606)
123Te52 + 8 D* --> 136Ce58 + 3He2 + 87.451 MeV [-17.517 MeV] (A_Te:607)

123Te52 + 9 D* --> 71Ga31 + 70Zn30 + 168.754 MeV [49.235 MeV] (A_Te:608)
123Te52 + 9 D* --> 76Ge32 + 65Cu29 + 169.526 MeV [50.007 MeV] (A_Te:609)
123Te52 + 9 D* --> 82Se34 + 59Co27 + 168.872 MeV [49.352 MeV] (A_Te:610)
123Te52 + 9 D* --> 86Kr36 + 55Mn25 + 170.026 MeV [50.506 MeV] (A_Te:611)
123Te52 + 9 D* --> 87Rb37 + 54Cr24 + 170.580 MeV [51.060 MeV] (A_Te:612)
123Te52 + 9 D* --> 96Zr40 + 45Sc21 + 155.560 MeV [36.040 MeV] (A_Te:613)
123Te52 + 9 D* --> 93Nb41 + 48Ca20 + 160.472 MeV [40.952 MeV] (A_Te:614)
123Te52 + 9 D* --> 100Mo42 + 41K19 + 150.793 MeV [31.273 MeV] (A_Te:615)
123Te52 + 9 D* --> 104Ru44 + 37Cl17 + 148.900 MeV [29.380 MeV] (A_Te:616)
123Te52 + 9 D* --> 110Pd46 + 31P15 + 141.840 MeV [22.320 MeV] (A_Te:617)
123Te52 + 9 D* --> 114Cd48 + 27Al13 + 136.267 MeV [16.747 MeV] (A_Te:618)
123Te52 + 9 D* --> 115In49 + 26Mg12 + 134.801 MeV [15.281 MeV] (A_Te:619)
123Te52 + 9 D* --> 118Sn50 + 23Na11 + 130.236 MeV [10.716 MeV] (A_Te:620)
123Te52 + 9 D* --> 121Sb51 + 20Ne10 + 125.687 MeV [6.167 MeV] (A_Te:621)
123Te52 + 9 D* --> 122Te52 + 19F9 + 120.851 MeV [1.331 MeV] (A_Te:622)
123Te52 + 9 D* --> 126Xe54 + 15N7 + 118.117 MeV [-1.403 MeV] (A_Te:623)
123Te52 + 9 D* --> 130Ba56 + 11B5 + 107.643 MeV [-11.877 MeV] (A_Te:624)

123Te52 + 10 D* --> 73Ge32 + 70Zn30 + 183.048 MeV [48.667 MeV] (A_Te:625)
123Te52 + 10 D* --> 76Ge32 + 67Zn30 + 183.279 MeV [48.898 MeV] (A_Te:626)
123Te52 + 10 D* --> 82Se34 + 61Ni28 + 184.000 MeV [49.620 MeV] (A_Te:627)
123Te52 + 10 D* --> 86Kr36 + 57Fe26 + 185.631 MeV [51.250 MeV] (A_Te:628)
123Te52 + 10 D* --> 94Zr40 + 49Ti22 + 178.011 MeV [43.630 MeV] (A_Te:629)
123Te52 + 10 D* --> 96Zr40 + 47Ti22 + 172.561 MeV [38.180 MeV] (A_Te:630)
123Te52 + 10 D* --> 95Mo42 + 48Ca20 + 174.107 MeV [39.726 MeV] (A_Te:631)
123Te52 + 10 D* --> 97Mo42 + 46Ca20 + 172.861 MeV [38.480 MeV] (A_Te:632)
123Te52 + 10 D* --> 100Mo42 + 43Ca20 + 166.778 MeV [32.398 MeV] (A_Te:633)
123Te52 + 10 D* --> 110Pd46 + 33S16 + 157.120 MeV [22.740 MeV] (A_Te:634)
123Te52 + 10 D* --> 113Cd48 + 30Si14 + 155.668 MeV [21.287 MeV] (A_Te:635)
123Te52 + 10 D* --> 114Cd48 + 29Si14 + 154.101 MeV [19.721 MeV] (A_Te:636)
123Te52 + 10 D* --> 117Sn50 + 26Mg12 + 148.800 MeV [14.419 MeV] (A_Te:637)
123Te52 + 10 D* --> 118Sn50 + 25Mg12 + 147.034 MeV [12.653 MeV] (A_Te:638)
123Te52 + 10 D* --> 119Sn50 + 24Mg12 + 146.187 MeV [11.807 MeV] (A_Te:639)
123Te52 + 10 D* --> 122Te52 + 21Ne10 + 138.231 MeV [3.850 MeV] (A_Te:640)
123Te52 + 10 D* --> 123Te52 + 20Ne10 + 138.399 MeV [4.018 MeV] (A_Te:641)
123Te52 + 10 D* --> 126Xe54 + 17O8 + 132.163 MeV [-2.218 MeV] (A_Te:642)
123Te52 + 10 D* --> 130Ba56 + 13C6 + 126.322 MeV [-8.059 MeV] (A_Te:643)

123Te52 + 11 D* --> 74Ge32 + 71Ga31 + 198.884 MeV [49.336 MeV] (A_Te:644)
123Te52 + 11 D* --> 76Ge32 + 69Ga31 + 197.862 MeV [48.314 MeV] (A_Te:645)
123Te52 + 11 D* --> 75As33 + 70Zn30 + 197.918 MeV [48.370 MeV] (A_Te:646)
123Te52 + 11 D* --> 80Se34 + 65Cu29 + 200.345 MeV [50.797 MeV] (A_Te:647)
123Te52 + 11 D* --> 82Se34 + 63Cu29 + 198.495 MeV [48.947 MeV] (A_Te:648)
123Te52 + 11 D* --> 81Br35 + 64Ni28 + 200.395 MeV [50.847 MeV] (A_Te:649)
123Te52 + 11 D* --> 86Kr36 + 59Co27 + 200.815 MeV [51.267 MeV] (A_Te:650)
123Te52 + 11 D* --> 87Rb37 + 58Fe26 + 202.072 MeV [52.524 MeV] (A_Te:651)
123Te52 + 11 D* --> 94Zr40 + 51V23 + 194.789 MeV [45.241 MeV] (A_Te:652)
123Te52 + 11 D* --> 100Mo42 + 45Sc21 + 182.573 MeV [33.025 MeV] (A_Te:653)
123Te52 + 11 D* --> 104Ru44 + 41K19 + 178.969 MeV [29.421 MeV] (A_Te:654)
123Te52 + 11 D* --> 108Pd46 + 37Cl17 + 176.607 MeV [27.059 MeV] (A_Te:655)

123Te52 + 11 D* --> 110Pd46 + 35Cl17 + 172.684 MeV [23.136 MeV] (A_Te:656)
123Te52 + 11 D* --> 109Ag47 + 36S16 + 174.708 MeV [25.160 MeV] (A_Te:657)
123Te52 + 11 D* --> 114Cd48 + 31P15 + 169.783 MeV [20.235 MeV] (A_Te:658)
123Te52 + 11 D* --> 115In49 + 30Si14 + 169.291 MeV [19.743 MeV] (A_Te:659)
123Te52 + 11 D* --> 118Sn50 + 27Al13 + 164.174 MeV [14.626 MeV] (A_Te:660)
123Te52 + 11 D* --> 121Sb51 + 24Mg12 + 158.850 MeV [9.302 MeV] (A_Te:661)
123Te52 + 11 D* --> 122Te52 + 23Na11 + 155.165 MeV [5.617 MeV] (A_Te:662)
123Te52 + 11 D* --> 126Xe54 + 19F9 + 145.977 MeV [-3.571 MeV] (A_Te:663)
123Te52 + 11 D* --> 130Ba56 + 15N7 + 142.481 MeV [-7.067 MeV] (A_Te:664)
123Te52 + 11 D* --> 144Sm62 + 1H1 + 130.004 MeV [-19.544 MeV] (A_Te:665)

123Te52 + 12 D* --> 74Ge32 + 73Ge32 + 213.177 MeV [48.157 MeV] (A_Te:666)
123Te52 + 12 D* --> 77Se34 + 70Zn30 + 212.621 MeV [47.602 MeV] (A_Te:667)
123Te52 + 12 D* --> 80Se34 + 67Zn30 + 214.097 MeV [49.078 MeV] (A_Te:668)
123Te52 + 12 D* --> 83Kr36 + 64Ni28 + 215.538 MeV [50.518 MeV] (A_Te:669)
123Te52 + 12 D* --> 86Kr36 + 61Ni28 + 215.943 MeV [50.924 MeV] (A_Te:670)
123Te52 + 12 D* --> 94Zr40 + 53Cr24 + 211.008 MeV [45.989 MeV] (A_Te:671)
123Te52 + 12 D* --> 97Mo42 + 50Ti22 + 207.424 MeV [42.404 MeV] (A_Te:672)
123Te52 + 12 D* --> 98Mo42 + 49Ti22 + 205.127 MeV [40.108 MeV] (A_Te:673)
123Te52 + 12 D* --> 100Mo42 + 47Ti22 + 199.573 MeV [34.554 MeV] (A_Te:674)
123Te52 + 12 D* --> 99Ru44 + 48Ca20 + 200.288 MeV [35.268 MeV] (A_Te:675)
123Te52 + 12 D* --> 101Ru44 + 46Ca20 + 199.542 MeV [34.522 MeV] (A_Te:676)
123Te52 + 12 D* --> 104Ru44 + 43Ca20 + 194.954 MeV [29.935 MeV] (A_Te:677)
123Te52 + 12 D* --> 111Cd48 + 36S16 + 188.378 MeV [23.359 MeV] (A_Te:678)
123Te52 + 12 D* --> 113Cd48 + 34S16 + 187.438 MeV [22.418 MeV] (A_Te:679)
123Te52 + 12 D* --> 114Cd48 + 33S16 + 185.064 MeV [20.044 MeV] (A_Te:680)
123Te52 + 12 D* --> 117Sn50 + 30Si14 + 183.290 MeV [18.270 MeV] (A_Te:681)
123Te52 + 12 D* --> 118Sn50 + 29Si14 + 182.008 MeV [16.988 MeV] (A_Te:682)
123Te52 + 12 D* --> 119Sn50 + 28Si14 + 180.018 MeV [14.998 MeV] (A_Te:683)
123Te52 + 12 D* --> 122Te52 + 25Mg12 + 171.964 MeV [6.944 MeV] (A_Te:684)
123Te52 + 12 D* --> 123Te52 + 24Mg12 + 171.562 MeV [6.543 MeV] (A_Te:685)
123Te52 + 12 D* --> 126Xe54 + 21Ne10 + 163.357 MeV [-1.662 MeV] (A_Te:686)
123Te52 + 12 D* --> 130Ba56 + 17O8 + 156.527 MeV [-8.492 MeV] (A_Te:687)
123Te52 + 12 D* --> 144Sm62 + 3He2 + 135.498 MeV [-29.522 MeV] (A_Te:688)

124Te52 + D* --> 125Te52 + 1H1 + 4.344 MeV [-7.605 MeV] (A_Te:689)

124Te52 + 2 D* --> 80Se34 + 48Ca20 + 57.721 MeV [33.491 MeV] (A_Te:690)
124Te52 + 2 D* --> 82Se34 + 46Ca20 + 56.476 MeV [32.246 MeV] (A_Te:691)
124Te52 + 2 D* --> 110Pd46 + 18O8 + 24.878 MeV [00.648 MeV] (A_Te:692)
124Te52 + 2 D* --> 116Cd48 + 12C6 + 24.466 MeV [00.236 MeV] (A_Te:693)
124Te52 + 2 D* --> 119Sn50 + 9Be4 + 14.468 MeV [-9.762 MeV] (A_Te:694)
124Te52 + 2 D* --> 121Sb51 + 7Li3 + 10.434 MeV [-13.796 MeV] (A_Te:695)
124Te52 + 2 D* --> 124Te52 + 4He2 + 23.847 MeV [-0.384 MeV] (A_Te:696)
124Te52 + 2 D* --> 125Te52 + 3He2 + 9.838 MeV [-14.392 MeV] (A_Te:697)
124Te52 + 2 D* --> 127I53 + 1H1 + 17.441 MeV [-6.789 MeV] (A_Te:698)
124Te52 + 2 D* --> 128Xe54 + 25.607 MeV [1.377 MeV] (A_Te:699)

124Te52 + 3 D* --> 116Cd48 + 14N7 + 34.739 MeV [-2.101 MeV] (A_Te:700)
124Te52 + 3 D* --> 119Sn50 + 11B5 + 30.283 MeV [-6.557 MeV] (A_Te:701)
124Te52 + 3 D* --> 120Sn50 + 10B5 + 27.937 MeV [-8.903 MeV] (A_Te:702)
124Te52 + 3 D* --> 121Sb51 + 9Be4 + 27.130 MeV [-9.710 MeV] (A_Te:703)
124Te52 + 3 D* --> 123Te52 + 7Li3 + 23.146 MeV [-13.694 MeV] (A_Te:704)
124Te52 + 3 D* --> 124Te52 + 6Li3 + 25.320 MeV [-11.520 MeV] (A_Te:705)

124Te52 + 3 D* --> 127I53 + 3He2 + 22.935 MeV [-13.905 MeV] (A_Te:706)
124Te52 + 3 D* --> 128Xe54 + 2H1 + 25.607 MeV [-11.233 MeV] (A_Te:707)
124Te52 + 3 D* --> 129Xe54 + 1H1 + 30.291 MeV [-6.549 MeV] (A_Te:708)

124Te52 + 4 D* --> 82Se34 + 50Ti22 + 91.039 MeV [41.263 MeV] (A_Te:709)
124Te52 + 4 D* --> 84Kr36 + 48Ca20 + 88.663 MeV [38.888 MeV] (A_Te:710)
124Te52 + 4 D* --> 86Kr36 + 46Ca20 + 88.419 MeV [38.643 MeV] (A_Te:711)
124Te52 + 4 D* --> 96Zr40 + 36S16 + 78.125 MeV [28.350 MeV] (A_Te:712)
124Te52 + 4 D* --> 110Pd46 + 22Ne10 + 58.392 MeV [8.617 MeV] (A_Te:713)
124Te52 + 4 D* --> 114Cd48 + 18O8 + 52.821 MeV [3.045 MeV] (A_Te:714)
124Te52 + 4 D* --> 116Cd48 + 16O8 + 55.475 MeV [5.699 MeV] (A_Te:715)
124Te52 + 4 D* --> 119Sn50 + 13C6 + 48.962 MeV [-0.814 MeV] (A_Te:716)
124Te52 + 4 D* --> 120Sn50 + 12C6 + 53.123 MeV [3.348 MeV] (A_Te:717)
124Te52 + 4 D* --> 121Sb51 + 11B5 + 42.946 MeV [-6.830 MeV] (A_Te:718)
124Te52 + 4 D* --> 123Te52 + 9Be4 + 39.843 MeV [-9.933 MeV] (A_Te:719)
124Te52 + 4 D* --> 128Xe54 + 4He2 + 49.453 MeV [-0.322 MeV] (A_Te:720)
124Te52 + 4 D* --> 129Xe54 + 3He2 + 35.785 MeV [-13.991 MeV] (A_Te:721)
124Te52 + 4 D* --> 132Ba56 + 50.453 MeV [00.678 MeV] (A_Te:722)

124Te52 + 5 D* --> 119Sn50 + 15N7 + 65.121 MeV [2.087 MeV] (A_Te:723)
124Te52 + 5 D* --> 120Sn50 + 14N7 + 63.396 MeV [00.362 MeV] (A_Te:724)
124Te52 + 5 D* --> 121Sb51 + 13C6 + 61.624 MeV [-1.410 MeV] (A_Te:725)
124Te52 + 5 D* --> 123Te52 + 11B5 + 55.658 MeV [-7.376 MeV] (A_Te:726)
124Te52 + 5 D* --> 124Te52 + 10B5 + 53.628 MeV [-9.406 MeV] (A_Te:727)
124Te52 + 5 D* --> 128Xe54 + 6Li3 + 50.927 MeV [-12.107 MeV] (A_Te:728)
124Te52 + 5 D* --> 132Ba56 + 2H1 + 50.453 MeV [-12.581 MeV] (A_Te:729)

124Te52 + 6 D* --> 82Se34 + 54Cr24 + 122.816 MeV [46.204 MeV] (A_Te:730)
124Te52 + 6 D* --> 86Kr36 + 50Ti22 + 122.982 MeV [46.370 MeV] (A_Te:731)
124Te52 + 6 D* --> 88Sr38 + 48Ca20 + 120.426 MeV [43.813 MeV] (A_Te:732)
124Te52 + 6 D* --> 96Zr40 + 40Ar18 + 108.772 MeV [32.160 MeV] (A_Te:733)
124Te52 + 6 D* --> 100Mo42 + 36S16 + 105.138 MeV [28.526 MeV] (A_Te:734)
124Te52 + 6 D* --> 110Pd46 + 26Mg12 + 92.854 MeV [16.241 MeV] (A_Te:735)
124Te52 + 6 D* --> 114Cd48 + 22Ne10 + 86.335 MeV [9.723 MeV] (A_Te:736)
124Te52 + 6 D* --> 116Cd48 + 20Ne10 + 84.051 MeV [7.439 MeV] (A_Te:737)
124Te52 + 6 D* --> 118Sn50 + 18O8 + 80.727 MeV [4.115 MeV] (A_Te:738)
124Te52 + 6 D* --> 119Sn50 + 17O8 + 79.167 MeV [2.555 MeV] (A_Te:739)
124Te52 + 6 D* --> 120Sn50 + 16O8 + 84.132 MeV [7.519 MeV] (A_Te:740)
124Te52 + 6 D* --> 121Sb51 + 15N7 + 77.783 MeV [1.171 MeV] (A_Te:741)
124Te52 + 6 D* --> 123Te52 + 13C6 + 74.337 MeV [-2.276 MeV] (A_Te:742)
124Te52 + 6 D* --> 124Te52 + 12C6 + 78.814 MeV [2.202 MeV] (A_Te:743)
124Te52 + 6 D* --> 132Ba56 + 4He2 + 74.300 MeV [-2.313 MeV] (A_Te:744)
124Te52 + 6 D* --> 136Ce58 + 74.758 MeV [-1.854 MeV] (A_Te:745)

124Te52 + 7 D* --> 119Sn50 + 19F9 + 92.981 MeV [2.474 MeV] (A_Te:746)
124Te52 + 7 D* --> 121Sb51 + 17O8 + 91.829 MeV [1.322 MeV] (A_Te:747)
124Te52 + 7 D* --> 123Te52 + 15N7 + 90.496 MeV [-0.012 MeV] (A_Te:748)
124Te52 + 7 D* --> 124Te52 + 14N7 + 89.087 MeV [-1.421 MeV] (A_Te:749)
124Te52 + 7 D* --> 128Xe54 + 10B5 + 79.235 MeV [-11.273 MeV] (A_Te:750)
124Te52 + 7 D* --> 132Ba56 + 6Li3 + 75.774 MeV [-14.734 MeV] (A_Te:751)
124Te52 + 7 D* --> 136Ce58 + 2H1 + 74.758 MeV [-15.750 MeV] (A_Te:752)

124Te52 + 8 D* --> 70Zn30 + 70Zn30 + 153.691 MeV [48.973 MeV] (A_Te:753)
124Te52 + 8 D* --> 76Ge32 + 64Ni28 + 154.874 MeV [50.156 MeV] (A_Te:754)

124Te52 + 8 D* --> 82Se34 + 58Fe26 + 154.309 MeV [49.591 MeV] (A_Te:755)
124Te52 + 8 D* --> 86Kr36 + 54Cr24 + 154.759 MeV [50.042 MeV] (A_Te:756)
124Te52 + 8 D* --> 92Zr40 + 48Ca20 + 147.229 MeV [42.512 MeV] (A_Te:757)
124Te52 + 8 D* --> 94Zr40 + 46Ca20 + 144.963 MeV [40.246 MeV] (A_Te:758)
124Te52 + 8 D* --> 96Zr40 + 44Ca20 + 141.472 MeV [36.755 MeV] (A_Te:759)
124Te52 + 8 D* --> 100Mo42 + 40Ar18 + 135.785 MeV [31.068 MeV] (A_Te:760)
124Te52 + 8 D* --> 104Ru44 + 36S16 + 133.314 MeV [28.597 MeV] (A_Te:761)
124Te52 + 8 D* --> 110Pd46 + 30Si14 + 127.343 MeV [22.626 MeV] (A_Te:762)
124Te52 + 8 D* --> 114Cd48 + 26Mg12 + 120.797 MeV [16.079 MeV] (A_Te:763)
124Te52 + 8 D* --> 116Cd48 + 24Mg12 + 117.214 MeV [12.497 MeV] (A_Te:764)
124Te52 + 8 D* --> 118Sn50 + 22Ne10 + 114.242 MeV [9.525 MeV] (A_Te:765)
124Te52 + 8 D* --> 119Sn50 + 21Ne10 + 110.361 MeV [5.644 MeV] (A_Te:766)
124Te52 + 8 D* --> 120Sn50 + 20Ne10 + 112.708 MeV [7.991 MeV] (A_Te:767)
124Te52 + 8 D* --> 121Sb51 + 19F9 + 105.644 MeV [00.926 MeV] (A_Te:768)
124Te52 + 8 D* --> 122Te52 + 18O8 + 105.657 MeV [00.939 MeV] (A_Te:769)
124Te52 + 8 D* --> 123Te52 + 17O8 + 104.542 MeV [-0.175 MeV] (A_Te:770)
124Te52 + 8 D* --> 124Te52 + 16O8 + 109.823 MeV [5.105 MeV] (A_Te:771)
124Te52 + 8 D* --> 128Xe54 + 12C6 + 104.421 MeV [-0.296 MeV] (A_Te:772)
124Te52 + 8 D* --> 136Ce58 + 4He2 + 98.605 MeV [-6.113 MeV] (A_Te:773)

124Te52 + 9 D* --> 119Sn50 + 23Na11 + 127.295 MeV [8.057 MeV] (A_Te:774)
124Te52 + 9 D* --> 121Sb51 + 21Ne10 + 123.024 MeV [3.785 MeV] (A_Te:775)
124Te52 + 9 D* --> 123Te52 + 19F9 + 118.356 MeV [-0.882 MeV] (A_Te:776)
124Te52 + 9 D* --> 128Xe54 + 14N7 + 114.694 MeV [-4.545 MeV] (A_Te:777)
124Te52 + 9 D* --> 132Ba56 + 10B5 + 104.081 MeV [-15.158 MeV] (A_Te:778)
124Te52 + 9 D* --> 136Ce58 + 6Li3 + 100.078 MeV [-19.160 MeV] (A_Te:779)

124Te52 + 10 D* --> 74Ge32 + 70Zn30 + 183.820 MeV [49.751 MeV] (A_Te:780)
124Te52 + 10 D* --> 76Ge32 + 68Zn30 + 184.053 MeV [49.984 MeV] (A_Te:781)
124Te52 + 10 D* --> 80Se34 + 64Ni28 + 185.692 MeV [51.623 MeV] (A_Te:782)
124Te52 + 10 D* --> 82Se34 + 62Ni28 + 185.173 MeV [51.104 MeV] (A_Te:783)
124Te52 + 10 D* --> 86Kr36 + 58Fe26 + 186.252 MeV [52.183 MeV] (A_Te:784)
124Te52 + 10 D* --> 94Zr40 + 50Ti22 + 179.526 MeV [45.457 MeV] (A_Te:785)
124Te52 + 10 D* --> 96Zr40 + 48Ti22 + 174.763 MeV [40.694 MeV] (A_Te:786)
124Te52 + 10 D* --> 96Mo42 + 48Ca20 + 173.837 MeV [39.768 MeV] (A_Te:787)
124Te52 + 10 D* --> 98Mo42 + 46Ca20 + 172.079 MeV [38.011 MeV] (A_Te:788)
124Te52 + 10 D* --> 100Mo42 + 44Ca20 + 168.485 MeV [34.417 MeV] (A_Te:789)
124Te52 + 10 D* --> 104Ru44 + 40Ar18 + 163.961 MeV [29.893 MeV] (A_Te:790)
124Te52 + 10 D* --> 108Pd46 + 36S16 + 161.021 MeV [26.952 MeV] (A_Te:791)
124Te52 + 10 D* --> 110Pd46 + 34S16 + 159.114 MeV [25.045 MeV] (A_Te:792)
124Te52 + 10 D* --> 114Cd48 + 30Si14 + 155.287 MeV [21.218 MeV] (A_Te:793)
124Te52 + 10 D* --> 116Cd48 + 28Si14 + 151.045 MeV [16.976 MeV] (A_Te:794)
124Te52 + 10 D* --> 118Sn50 + 26Mg12 + 148.703 MeV [14.634 MeV] (A_Te:795)
124Te52 + 10 D* --> 119Sn50 + 25Mg12 + 144.094 MeV [10.025 MeV] (A_Te:796)
124Te52 + 10 D* --> 120Sn50 + 24Mg12 + 145.871 MeV [11.802 MeV] (A_Te:797)
124Te52 + 10 D* --> 121Sb51 + 23Na11 + 139.958 MeV [5.889 MeV] (A_Te:798)
124Te52 + 10 D* --> 122Te52 + 22Ne10 + 139.171 MeV [5.102 MeV] (A_Te:799)
124Te52 + 10 D* --> 123Te52 + 21Ne10 + 135.736 MeV [1.667 MeV] (A_Te:800)
124Te52 + 10 D* --> 124Te52 + 20Ne10 + 138.399 MeV [4.330 MeV] (A_Te:801)
124Te52 + 10 D* --> 126Xe54 + 18O8 + 130.783 MeV [-3.286 MeV] (A_Te:802)
124Te52 + 10 D* --> 128Xe54 + 16O8 + 135.430 MeV [1.361 MeV] (A_Te:803)
124Te52 + 10 D* --> 132Ba56 + 12C6 + 129.268 MeV [-4.801 MeV] (A_Te:804)
124Te52 + 10 D* --> 144Sm62 + 122.805 MeV [-11.264 MeV] (A_Te:805)

124Te52 + 11 D* --> 96Zr40 + 50V23 + 188.633 MeV [39.427 MeV] (A_Te:806)
124Te52 + 11 D* --> 119Sn50 + 27Al13 + 161.233 MeV [12.028 MeV] (A_Te:807)
124Te52 + 11 D* --> 121Sb51 + 25Mg12 + 156.756 MeV [7.550 MeV] (A_Te:808)
124Te52 + 11 D* --> 123Te52 + 23Na11 + 152.670 MeV [3.464 MeV] (A_Te:809)
124Te52 + 11 D* --> 132Ba56 + 14N7 + 139.540 MeV [-9.666 MeV] (A_Te:810)
124Te52 + 11 D* --> 136Ce58 + 10B5 + 128.386 MeV [-20.820 MeV] (A_Te:811)
124Te52 + 11 D* --> 144Sm62 + 2H1 + 122.805 MeV [-26.401 MeV] (A_Te:812)

124Te52 + 12 D* --> 74Ge32 + 74Ge32 + 213.949 MeV [49.302 MeV] (A_Te:813)
124Te52 + 12 D* --> 76Ge32 + 72Ge32 + 212.903 MeV [48.256 MeV] (A_Te:814)
124Te52 + 12 D* --> 78Se34 + 70Zn30 + 213.695 MeV [49.048 MeV] (A_Te:815)
124Te52 + 12 D* --> 80Se34 + 68Zn30 + 214.871 MeV [50.224 MeV] (A_Te:816)
124Te52 + 12 D* --> 82Se34 + 66Zn30 + 213.598 MeV [48.951 MeV] (A_Te:817)
124Te52 + 12 D* --> 84Kr36 + 64Ni28 + 216.634 MeV [51.987 MeV] (A_Te:818)
124Te52 + 12 D* --> 86Kr36 + 62Ni28 + 217.116 MeV [52.469 MeV] (A_Te:819)
124Te52 + 12 D* --> 94Zr40 + 54Cr24 + 211.303 MeV [46.657 MeV] (A_Te:820)
124Te52 + 12 D* --> 96Zr40 + 52Cr24 + 207.964 MeV [43.317 MeV] (A_Te:821)
124Te52 + 12 D* --> 98Mo42 + 50Ti22 + 206.643 MeV [41.996 MeV] (A_Te:822)
124Te52 + 12 D* --> 100Mo42 + 48Ti22 + 201.776 MeV [37.129 MeV] (A_Te:823)
124Te52 + 12 D* --> 100Ru44 + 48Ca20 + 200.537 MeV [35.890 MeV] (A_Te:824)
124Te52 + 12 D* --> 102Ru44 + 46Ca20 + 199.337 MeV [34.690 MeV] (A_Te:825)
124Te52 + 12 D* --> 104Ru44 + 44Ca20 + 196.661 MeV [32.015 MeV] (A_Te:826)
124Te52 + 12 D* --> 108Pd46 + 40Ar18 + 191.668 MeV [27.021 MeV] (A_Te:827)
124Te52 + 12 D* --> 110Pd46 + 38Ar18 + 190.168 MeV [25.521 MeV] (A_Te:828)
124Te52 + 12 D* --> 112Cd48 + 36S16 + 188.349 MeV [23.702 MeV] (A_Te:829)
124Te52 + 12 D* --> 114Cd48 + 34S16 + 187.057 MeV [22.410 MeV] (A_Te:830)
124Te52 + 12 D* --> 116Cd48 + 32S16 + 181.839 MeV [17.192 MeV] (A_Te:831)
124Te52 + 12 D* --> 118Sn50 + 30Si14 + 183.193 MeV [18.546 MeV] (A_Te:832)
124Te52 + 12 D* --> 119Sn50 + 29Si14 + 179.068 MeV [14.421 MeV] (A_Te:833)
124Te52 + 12 D* --> 120Sn50 + 28Si14 + 179.702 MeV [15.055 MeV] (A_Te:834)
124Te52 + 12 D* --> 121Sb51 + 27Al13 + 173.896 MeV [9.249 MeV] (A_Te:835)
124Te52 + 12 D* --> 122Te52 + 26Mg12 + 173.633 MeV [8.986 MeV] (A_Te:836)
124Te52 + 12 D* --> 123Te52 + 25Mg12 + 169.469 MeV [4.822 MeV] (A_Te:837)
124Te52 + 12 D* --> 124Te52 + 24Mg12 + 171.562 MeV [6.915 MeV] (A_Te:838)
124Te52 + 12 D* --> 126Xe54 + 22Ne10 + 164.297 MeV [-0.350 MeV] (A_Te:839)
124Te52 + 12 D* --> 128Xe54 + 20Ne10 + 164.006 MeV [-0.641 MeV] (A_Te:840)
124Te52 + 12 D* --> 130Ba56 + 18O8 + 155.147 MeV [-9.500 MeV] (A_Te:841)
124Te52 + 12 D* --> 132Ba56 + 16O8 + 160.276 MeV [-4.371 MeV] (A_Te:842)
124Te52 + 12 D* --> 136Ce58 + 12C6 + 153.572 MeV [-11.075 MeV] (A_Te:843)
124Te52 + 12 D* --> 144Sm62 + 4He2 + 146.651 MeV [-17.996 MeV] (A_Te:844)

125Te52 + D* --> 116Cd48 + 11B5 + 4.165 MeV [-7.753 MeV] (A_Te:845)
125Te52 + D* --> 120Sn50 + 7Li3 + 00.310 MeV [-11.607 MeV] (A_Te:846)
125Te52 + D* --> 123Sb51 + 4He2 + 10.913 MeV [-1.005 MeV] (A_Te:847)
125Te52 + D* --> 126Te52 + 1H1 + 6.889 MeV [-5.028 MeV] (A_Te:848)
125Te52 + D* --> 127I53 + 13.097 MeV [1.179 MeV] (A_Te:849)

125Te52 + 2 D* --> 116Cd48 + 13C6 + 22.844 MeV [-1.324 MeV] (A_Te:850)
125Te52 + 2 D* --> 120Sn50 + 9Be4 + 17.007 MeV [-7.161 MeV] (A_Te:851)
125Te52 + 2 D* --> 123Sb51 + 6Li3 + 12.387 MeV [-11.781 MeV] (A_Te:852)
125Te52 + 2 D* --> 125Te52 + 4He2 + 23.847 MeV [-0.321 MeV] (A_Te:853)
125Te52 + 2 D* --> 126Te52 + 3He2 + 12.383 MeV [-11.785 MeV] (A_Te:854)
125Te52 + 2 D* --> 127I53 + 2H1 + 13.097 MeV [-11.071 MeV] (A_Te:855)
125Te52 + 2 D* --> 129Xe54 + 25.947 MeV [1.779 MeV] (A_Te:856)

125Te52 + 3 D* --> 116Cd48 + 15N7 + 39.003 MeV [2.257 MeV] (A_Te:857)
125Te52 + 3 D* --> 120Sn50 + 11B5 + 32.822 MeV [-3.924 MeV] (A_Te:858)
125Te52 + 3 D* --> 124Te52 + 7Li3 + 26.001 MeV [-10.745 MeV] (A_Te:859)
125Te52 + 3 D* --> 125Te52 + 6Li3 + 25.320 MeV [-11.426 MeV] (A_Te:860)
125Te52 + 3 D* --> 127I53 + 4He2 + 36.943 MeV [00.197 MeV] (A_Te:861)
125Te52 + 3 D* --> 129Xe54 + 2H1 + 25.947 MeV [-10.799 MeV] (A_Te:862)
125Te52 + 3 D* --> 130Xe54 + 1H1 + 32.978 MeV [-3.768 MeV] (A_Te:863)

125Te52 + 4 D* --> 116Cd48 + 17O8 + 53.049 MeV [3.398 MeV] (A_Te:864)
125Te52 + 4 D* --> 120Sn50 + 13C6 + 51.501 MeV [1.850 MeV] (A_Te:865)
125Te52 + 4 D* --> 123Sb51 + 10B5 + 40.694 MeV [-8.957 MeV] (A_Te:866)
125Te52 + 4 D* --> 124Te52 + 9Be4 + 42.698 MeV [-6.953 MeV] (A_Te:867)
125Te52 + 4 D* --> 127I53 + 6Li3 + 38.417 MeV [-11.234 MeV] (A_Te:868)
125Te52 + 4 D* --> 129Xe54 + 4He2 + 49.793 MeV [00.143 MeV] (A_Te:869)
125Te52 + 4 D* --> 130Xe54 + 3He2 + 38.471 MeV [-11.179 MeV] (A_Te:870)

125Te52 + 5 D* --> 87Rb37 + 48Ca20 + 105.468 MeV [42.590 MeV] (A_Te:871)
125Te52 + 5 D* --> 116Cd48 + 19F9 + 66.863 MeV [3.985 MeV] (A_Te:872)
125Te52 + 5 D* --> 120Sn50 + 15N7 + 67.660 MeV [4.782 MeV] (A_Te:873)
125Te52 + 5 D* --> 123Sb51 + 12C6 + 65.881 MeV [3.002 MeV] (A_Te:874)
125Te52 + 5 D* --> 124Te52 + 11B5 + 58.513 MeV [-4.365 MeV] (A_Te:875)
125Te52 + 5 D* --> 125Te52 + 10B5 + 53.628 MeV [-9.250 MeV] (A_Te:876)
125Te52 + 5 D* --> 128Xe54 + 7Li3 + 51.608 MeV [-11.270 MeV] (A_Te:877)
125Te52 + 5 D* --> 129Xe54 + 6Li3 + 51.267 MeV [-11.611 MeV] (A_Te:878)
125Te52 + 5 D* --> 134Ba56 + 1H1 + 58.317 MeV [-4.561 MeV] (A_Te:879)

125Te52 + 6 D* --> 116Cd48 + 21Ne10 + 84.243 MeV [7.818 MeV] (A_Te:880)
125Te52 + 6 D* --> 119Sn50 + 18O8 + 80.642 MeV [4.216 MeV] (A_Te:881)
125Te52 + 6 D* --> 120Sn50 + 17O8 + 81.706 MeV [5.280 MeV] (A_Te:882)
125Te52 + 6 D* --> 123Sb51 + 14N7 + 76.153 MeV [-0.273 MeV] (A_Te:883)
125Te52 + 6 D* --> 124Te52 + 13C6 + 77.192 MeV [00.766 MeV] (A_Te:884)
125Te52 + 6 D* --> 125Te52 + 12C6 + 78.814 MeV [2.389 MeV] (A_Te:885)
125Te52 + 6 D* --> 127I53 + 10B5 + 66.725 MeV [-9.701 MeV] (A_Te:886)
125Te52 + 6 D* --> 128Xe54 + 9Be4 + 68.305 MeV [-8.121 MeV] (A_Te:887)
125Te52 + 6 D* --> 134Ba56 + 3He2 + 63.811 MeV [-12.615 MeV] (A_Te:888)

125Te52 + 7 D* --> 116Cd48 + 23Na11 + 101.177 MeV [10.887 MeV] (A_Te:889)
125Te52 + 7 D* --> 120Sn50 + 19F9 + 95.520 MeV [5.230 MeV] (A_Te:890)
125Te52 + 7 D* --> 121Sb51 + 18O8 + 93.304 MeV [3.014 MeV] (A_Te:891)
125Te52 + 7 D* --> 123Sb51 + 16O8 + 96.889 MeV [6.599 MeV] (A_Te:892)
125Te52 + 7 D* --> 124Te52 + 15N7 + 93.351 MeV [3.061 MeV] (A_Te:893)
125Te52 + 7 D* --> 125Te52 + 14N7 + 89.087 MeV [-1.203 MeV] (A_Te:894)
125Te52 + 7 D* --> 127I53 + 12C6 + 91.911 MeV [1.621 MeV] (A_Te:895)
125Te52 + 7 D* --> 128Xe54 + 11B5 + 84.120 MeV [-6.170 MeV] (A_Te:896)
125Te52 + 7 D* --> 129Xe54 + 10B5 + 79.575 MeV [-10.716 MeV] (A_Te:897)
125Te52 + 7 D* --> 132Ba56 + 7Li3 + 76.455 MeV [-13.836 MeV] (A_Te:898)
125Te52 + 7 D* --> 138Ce58 + 1H1 + 83.207 MeV [-7.083 MeV] (A_Te:899)

125Te52 + 8 D* --> 116Cd48 + 25Mg12 + 117.976 MeV [13.507 MeV] (A_Te:900)
125Te52 + 8 D* --> 119Sn50 + 22Ne10 + 114.157 MeV [9.687 MeV] (A_Te:901)
125Te52 + 8 D* --> 120Sn50 + 21Ne10 + 112.900 MeV [8.431 MeV] (A_Te:902)
125Te52 + 8 D* --> 123Te52 + 18O8 + 106.017 MeV [1.548 MeV] (A_Te:903)
125Te52 + 8 D* --> 124Te52 + 17O8 + 107.397 MeV [2.928 MeV] (A_Te:904)

125Te52 + 8 D* --> 125Te52 + 16O8 + 109.823 MeV [5.354 MeV] (A_Te:905)
125Te52 + 8 D* --> 127I53 + 14N7 + 102.183 MeV [-2.286 MeV] (A_Te:906)
125Te52 + 8 D* --> 128Xe54 + 13C6 + 102.799 MeV [-1.671 MeV] (A_Te:907)
125Te52 + 8 D* --> 129Xe54 + 12C6 + 104.761 MeV [00.292 MeV] (A_Te:908)
125Te52 + 8 D* --> 132Ba56 + 9Be4 + 93.151 MeV [-11.318 MeV] (A_Te:909)
125Te52 + 8 D* --> 138Ce58 + 3He2 + 88.701 MeV [-15.768 MeV] (A_Te:910)

125Te52 + 9 D* --> 116Cd48 + 27Al13 + 135.115 MeV [16.155 MeV] (A_Te:911)
125Te52 + 9 D* --> 120Sn50 + 23Na11 + 129.834 MeV [10.874 MeV] (A_Te:912)
125Te52 + 9 D* --> 121Sb51 + 22Ne10 + 126.819 MeV [7.859 MeV] (A_Te:913)
125Te52 + 9 D* --> 123Sb51 + 20Ne10 + 125.465 MeV [6.505 MeV] (A_Te:914)
125Te52 + 9 D* --> 124Te52 + 19F9 + 121.211 MeV [2.251 MeV] (A_Te:915)
125Te52 + 9 D* --> 127I53 + 16O8 + 122.919 MeV [3.959 MeV] (A_Te:916)
125Te52 + 9 D* --> 128Xe54 + 15N7 + 118.958 MeV [-0.002 MeV] (A_Te:917)
125Te52 + 9 D* --> 129Xe54 + 14N7 + 115.033 MeV [-3.927 MeV] (A_Te:918)
125Te52 + 9 D* --> 132Ba56 + 11B5 + 108.966 MeV [-9.994 MeV] (A_Te:919)
125Te52 + 9 D* --> 136Ce58 + 7Li3 + 100.759 MeV [-18.200 MeV] (A_Te:920)
125Te52 + 9 D* --> 142Nd60 + 1H1 + 107.866 MeV [-11.094 MeV] (A_Te:921)

125Te52 + 10 D* --> 96Zr40 + 49Ti22 + 176.337 MeV [42.577 MeV] (A_Te:922)
125Te52 + 10 D* --> 97Mo42 + 48Ca20 + 174.090 MeV [40.330 MeV] (A_Te:923)
125Te52 + 10 D* --> 116Cd48 + 29Si14 + 152.949 MeV [19.189 MeV] (A_Te:924)
125Te52 + 10 D* --> 119Sn50 + 26Mg12 + 148.618 MeV [14.858 MeV] (A_Te:925)
125Te52 + 10 D* --> 120Sn50 + 25Mg12 + 146.633 MeV [12.873 MeV] (A_Te:926)
125Te52 + 10 D* --> 123Te52 + 22Ne10 + 139.532 MeV [5.772 MeV] (A_Te:927)
125Te52 + 10 D* --> 124Te52 + 21Ne10 + 138.591 MeV [4.831 MeV] (A_Te:928)
125Te52 + 10 D* --> 125Te52 + 20Ne10 + 138.399 MeV [4.639 MeV] (A_Te:929)
125Te52 + 10 D* --> 128Xe54 + 17O8 + 133.004 MeV [-0.756 MeV] (A_Te:930)
125Te52 + 10 D* --> 129Xe54 + 16O8 + 135.769 MeV [2.009 MeV] (A_Te:931)
125Te52 + 10 D* --> 132Ba56 + 13C6 + 127.645 MeV [-6.115 MeV] (A_Te:932)
125Te52 + 10 D* --> 136Ce58 + 9Be4 + 117.456 MeV [-16.304 MeV] (A_Te:933)
125Te52 + 10 D* --> 142Nd60 + 3He2 + 113.359 MeV [-20.401 MeV] (A_Te:934)

125Te52 + 11 D* --> 76Ge32 + 71Ga31 + 198.824 MeV [49.957 MeV] (A_Te:935)
125Te52 + 11 D* --> 82Se34 + 65Cu29 + 200.328 MeV [51.462 MeV] (A_Te:936)
125Te52 + 11 D* --> 96Zr40 + 51V23 + 193.115 MeV [44.248 MeV] (A_Te:937)
125Te52 + 11 D* --> 110Pd46 + 37Cl17 + 175.581 MeV [26.715 MeV] (A_Te:938)
125Te52 + 11 D* --> 116Cd48 + 31P15 + 168.631 MeV [19.764 MeV] (A_Te:939)
125Te52 + 11 D* --> 120Sn50 + 27Al13 + 163.772 MeV [14.906 MeV] (A_Te:940)
125Te52 + 11 D* --> 121Sb51 + 26Mg12 + 161.280 MeV [12.414 MeV] (A_Te:941)
125Te52 + 11 D* --> 123Sb51 + 24Mg12 + 158.628 MeV [9.762 MeV] (A_Te:942)
125Te52 + 11 D* --> 124Te52 + 23Na11 + 155.525 MeV [6.658 MeV] (A_Te:943)
125Te52 + 11 D* --> 127I53 + 20Ne10 + 151.496 MeV [2.629 MeV] (A_Te:944)
125Te52 + 11 D* --> 128Xe54 + 19F9 + 146.818 MeV [-2.049 MeV] (A_Te:945)
125Te52 + 11 D* --> 132Ba56 + 15N7 + 143.804 MeV [-5.063 MeV] (A_Te:946)
125Te52 + 11 D* --> 136Ce58 + 11B5 + 133.271 MeV [-15.596 MeV] (A_Te:947)

125Te52 + 12 D* --> 76Ge32 + 73Ge32 + 213.117 MeV [48.839 MeV] (A_Te:948)
125Te52 + 12 D* --> 82Se34 + 67Zn30 + 214.081 MeV [49.803 MeV] (A_Te:949)
125Te52 + 12 D* --> 96Zr40 + 53Cr24 + 209.334 MeV [45.056 MeV] (A_Te:950)
125Te52 + 12 D* --> 100Mo42 + 49Ti22 + 203.350 MeV [39.072 MeV] (A_Te:951)
125Te52 + 12 D* --> 101Ru44 + 48Ca20 + 200.770 MeV [36.493 MeV] (A_Te:952)
125Te52 + 12 D* --> 113Cd48 + 36S16 + 188.320 MeV [24.042 MeV] (A_Te:953)
125Te52 + 12 D* --> 116Cd48 + 33S16 + 183.912 MeV [19.634 MeV] (A_Te:954)

125Te52 + 12 D* --> 119Sn50 + 30Si14 + 183.108 MeV [18.830 MeV] (A_Te:955)
125Te52 + 12 D* --> 120Sn50 + 29Si14 + 181.607 MeV [17.329 MeV] (A_Te:956)
125Te52 + 12 D* --> 123Te52 + 26Mg12 + 173.993 MeV [9.715 MeV] (A_Te:957)
125Te52 + 12 D* --> 124Te52 + 25Mg12 + 172.324 MeV [8.046 MeV] (A_Te:958)
125Te52 + 12 D* --> 125Te52 + 24Mg12 + 171.562 MeV [7.284 MeV] (A_Te:959)
125Te52 + 12 D* --> 128Xe54 + 21Ne10 + 164.198 MeV [-0.080 MeV] (A_Te:960)
125Te52 + 12 D* --> 129Xe54 + 20Ne10 + 164.346 MeV [00.068 MeV] (A_Te:961)
125Te52 + 12 D* --> 132Ba56 + 17O8 + 157.850 MeV [-6.428 MeV] (A_Te:962)
125Te52 + 12 D* --> 136Ce58 + 13C6 + 151.950 MeV [-12.328 MeV] (A_Te:963)

126Te52 + 2 D* --> 82Se34 + 48Ca20 + 58.015 MeV [33.910 MeV] (A_Te:964)
126Te52 + 2 D* --> 123Sb51 + 7Li3 + 10.523 MeV [-13.582 MeV] (A_Te:965)
126Te52 + 2 D* --> 126Te52 + 4He2 + 23.847 MeV [-0.259 MeV] (A_Te:966)
126Te52 + 2 D* --> 130Xe54 + 26.089 MeV [1.983 MeV] (A_Te:967)

126Te52 + 3 D* --> 122Sn50 + 10B5 + 27.238 MeV [-9.415 MeV] (A_Te:968)
126Te52 + 3 D* --> 123Sb51 + 9Be4 + 27.219 MeV [-9.434 MeV] (A_Te:969)
126Te52 + 3 D* --> 125Te52 + 7Li3 + 23.457 MeV [-13.196 MeV] (A_Te:970)
126Te52 + 3 D* --> 126Te52 + 6Li3 + 25.320 MeV [-11.333 MeV] (A_Te:971)
126Te52 + 3 D* --> 130Xe54 + 2H1 + 26.089 MeV [-10.564 MeV] (A_Te:972)
126Te52 + 3 D* --> 131Xe54 + 1H1 + 30.469 MeV [-6.184 MeV] (A_Te:973)

126Te52 + 4 D* --> 86Kr36 + 48Ca20 + 89.958 MeV [40.431 MeV] (A_Te:974)
126Te52 + 4 D* --> 116Cd48 + 18O8 + 51.979 MeV [2.452 MeV] (A_Te:975)
126Te52 + 4 D* --> 122Sn50 + 12C6 + 52.424 MeV [2.897 MeV] (A_Te:976)
126Te52 + 4 D* --> 123Sb51 + 11B5 + 43.034 MeV [-6.492 MeV] (A_Te:977)
126Te52 + 4 D* --> 125Te52 + 9Be4 + 40.153 MeV [-9.374 MeV] (A_Te:978)
126Te52 + 4 D* --> 127I53 + 7Li3 + 36.553 MeV [-12.973 MeV] (A_Te:979)
126Te52 + 4 D* --> 130Xe54 + 4He2 + 49.935 MeV [00.408 MeV] (A_Te:980)
126Te52 + 4 D* --> 131Xe54 + 3He2 + 35.962 MeV [-13.564 MeV] (A_Te:981)
126Te52 + 4 D* --> 133Cs55 + 1H1 + 43.260 MeV [-6.266 MeV] (A_Te:982)
126Te52 + 4 D* --> 134Ba56 + 51.428 MeV [1.901 MeV] (A_Te:983)

126Te52 + 5 D* --> 122Sn50 + 14N7 + 62.697 MeV [-0.027 MeV] (A_Te:984)
126Te52 + 5 D* --> 123Sb51 + 13C6 + 61.713 MeV [-1.010 MeV] (A_Te:985)
126Te52 + 5 D* --> 125Te52 + 11B5 + 55.968 MeV [-6.755 MeV] (A_Te:986)
126Te52 + 5 D* --> 126Te52 + 10B5 + 53.628 MeV [-9.096 MeV] (A_Te:987)
126Te52 + 5 D* --> 127I53 + 9Be4 + 53.250 MeV [-9.474 MeV] (A_Te:988)
126Te52 + 5 D* --> 129Xe54 + 7Li3 + 49.403 MeV [-13.320 MeV] (A_Te:989)
126Te52 + 5 D* --> 130Xe54 + 6Li3 + 51.409 MeV [-11.315 MeV] (A_Te:990)
126Te52 + 5 D* --> 133Cs55 + 3He2 + 48.754 MeV [-13.970 MeV] (A_Te:991)
126Te52 + 5 D* --> 134Ba56 + 2H1 + 51.428 MeV [-11.295 MeV] (A_Te:992)
126Te52 + 5 D* --> 135Ba56 + 1H1 + 56.176 MeV [-6.548 MeV] (A_Te:993)

126Te52 + 6 D* --> 116Cd48 + 22Ne10 + 85.494 MeV [9.253 MeV] (A_Te:994)
126Te52 + 6 D* --> 120Sn50 + 18O8 + 80.636 MeV [4.396 MeV] (A_Te:995)
126Te52 + 6 D* --> 122Sn50 + 16O8 + 83.433 MeV [7.192 MeV] (A_Te:996)
126Te52 + 6 D* --> 123Sb51 + 15N7 + 77.872 MeV [1.632 MeV] (A_Te:997)
126Te52 + 6 D* --> 125Te52 + 13C6 + 74.647 MeV [-1.594 MeV] (A_Te:998)
126Te52 + 6 D* --> 126Te52 + 12C6 + 78.814 MeV [2.574 MeV] (A_Te:999)
126Te52 + 6 D* --> 127I53 + 11B5 + 69.065 MeV [-7.176 MeV] (A_Te:1000)
126Te52 + 6 D* --> 129Xe54 + 9Be4 + 66.099 MeV [-10.141 MeV]

(A_Te:1001)
126Te52 + 6 D* --> 134Ba56 + 4He2 + 75.275 MeV [-0.966 MeV]
(A_Te:1002)
126Te52 + 6 D* --> 135Ba56 + 3He2 + 61.669 MeV [-14.571 MeV]
(A_Te:1003)
126Te52 + 6 D* --> 138Ce58 + 76.318 MeV [00.078 MeV]
(A_Te:1004)

126Te52 + 7 D* --> 123Sb51 + 17O8 + 91.918 MeV [1.844 MeV]
(A_Te:1005)
126Te52 + 7 D* --> 125Te52 + 15N7 + 90.806 MeV [00.732 MeV]
(A_Te:1006)
126Te52 + 7 D* --> 126Te52 + 14N7 + 89.087 MeV [-0.988 MeV]
(A_Te:1007)
126Te52 + 7 D* --> 127I53 + 13C6 + 87.744 MeV [-2.331 MeV]
(A_Te:1008)
126Te52 + 7 D* --> 129Xe54 + 11B5 + 81.915 MeV [-8.160 MeV]
(A_Te:1009)
126Te52 + 7 D* --> 130Xe54 + 10B5 + 79.716 MeV [-10.358 MeV]
(A_Te:1010)
126Te52 + 7 D* --> 134Ba56 + 6Li3 + 76.749 MeV [-13.326 MeV]
(A_Te:1011)
126Te52 + 7 D* --> 138Ce58 + 2H1 + 76.318 MeV [-13.756 MeV]
(A_Te:1012)

126Te52 + 8 D* --> 94Zr40 + 48Ca20 + 146.502 MeV [42.279 MeV]
(A_Te:1013)
126Te52 + 8 D* --> 96Zr40 + 46Ca20 + 143.599 MeV [39.376 MeV]
(A_Te:1014)
126Te52 + 8 D* --> 116Cd48 + 26Mg12 + 119.955 MeV [15.732 MeV]
(A_Te:1015)
126Te52 + 8 D* --> 120Sn50 + 22Ne10 + 114.151 MeV [9.928 MeV]
(A_Te:1016)
126Te52 + 8 D* --> 122Sn50 + 20Ne10 + 112.009 MeV [7.786 MeV]
(A_Te:1017)
126Te52 + 8 D* --> 123Sb51 + 19F9 + 105.733 MeV [1.509 MeV]
(A_Te:1018)
126Te52 + 8 D* --> 124Te52 + 18O8 + 106.327 MeV [2.104 MeV]
(A_Te:1019)
126Te52 + 8 D* --> 125Te52 + 17O8 + 104.852 MeV [00.629 MeV]
(A_Te:1020)
126Te52 + 8 D* --> 126Te52 + 16O8 + 109.823 MeV [5.599 MeV]
(A_Te:1021)
126Te52 + 8 D* --> 127I53 + 15N7 + 103.903 MeV [-0.320 MeV]
(A_Te:1022)
126Te52 + 8 D* --> 129Xe54 + 13C6 + 100.594 MeV [-3.630 MeV]
(A_Te:1023)
126Te52 + 8 D* --> 130Xe54 + 12C6 + 104.903 MeV [00.680 MeV]
(A_Te:1024)
126Te52 + 8 D* --> 138Ce58 + 4He2 + 100.165 MeV [-4.059 MeV]
(A_Te:1025)
126Te52 + 8 D* --> 141Pr59 + 1H1 + 93.753 MeV [-10.470 MeV]
(A_Te:1026)
126Te52 + 8 D* --> 142Nd60 + 100.976 MeV [-3.247 MeV]

(A_Te:1027)

126Te52 + 9 D* --> 123Sb51 + 21Ne10 + 123.113 MeV [4.429 MeV]
(A_Te:1028)
126Te52 + 9 D* --> 125Te52 + 19F9 + 118.667 MeV [-0.017 MeV]
(A_Te:1029)
126Te52 + 9 D* --> 127I53 + 17O8 + 117.949 MeV [-0.735 MeV]
(A_Te:1030)
126Te52 + 9 D* --> 129Xe54 + 15N7 + 116.753 MeV [-1.931 MeV]
(A_Te:1031)
126Te52 + 9 D* --> 130Xe54 + 14N7 + 115.175 MeV [-3.509 MeV]
(A_Te:1032)
126Te52 + 9 D* --> 134Ba56 + 10B5 + 105.056 MeV [-13.628 MeV]
(A_Te:1033)
126Te52 + 9 D* --> 138Ce58 + 6Li3 + 101.639 MeV [-17.045 MeV]
(A_Te:1034)
126Te52 + 9 D* --> 141Pr59 + 3He2 + 99.247 MeV [-19.437 MeV]
(A_Te:1035)
126Te52 + 9 D* --> 142Nd60 + 2H1 + 100.976 MeV [-17.708 MeV]
(A_Te:1036)
126Te52 + 9 D* --> 143Nd60 + 1H1 + 104.875 MeV [-13.809 MeV]
(A_Te:1037)

126Te52 + 10 D* --> 76Ge32 + 70Zn30 + 184.070 MeV [50.616 MeV]
(A_Te:1038)
126Te52 + 10 D* --> 82Se34 + 64Ni28 + 185.986 MeV [52.532 MeV]
(A_Te:1039)
126Te52 + 10 D* --> 96Zr40 + 50Ti22 + 178.162 MeV [44.708 MeV]
(A_Te:1040)
126Te52 + 10 D* --> 98Mo42 + 48Ca20 + 173.618 MeV [40.165 MeV]
(A_Te:1041)
126Te52 + 10 D* --> 100Mo42 + 46Ca20 + 170.612 MeV [37.158 MeV]
(A_Te:1042)
126Te52 + 10 D* --> 110Pd46 + 36S16 + 160.306 MeV [26.852 MeV]
(A_Te:1043)
126Te52 + 10 D* --> 116Cd48 + 30Si14 + 154.445 MeV [20.991 MeV]
(A_Te:1044)
126Te52 + 10 D* --> 120Sn50 + 26Mg12 + 148.612 MeV [15.158 MeV]
(A_Te:1045)
126Te52 + 10 D* --> 122Sn50 + 24Mg12 + 145.172 MeV [11.718 MeV]
(A_Te:1046)
126Te52 + 10 D* --> 123Sb51 + 23Na11 + 140.047 MeV [6.593 MeV]
(A_Te:1047)
126Te52 + 10 D* --> 124Te52 + 22Ne10 + 139.842 MeV [6.388 MeV]
(A_Te:1048)
126Te52 + 10 D* --> 125Te52 + 21Ne10 + 136.047 MeV [2.593 MeV]
(A_Te:1049)
126Te52 + 10 D* --> 126Te52 + 20Ne10 + 138.399 MeV [4.945 MeV]
(A_Te:1050)
126Te52 + 10 D* --> 127I53 + 19F9 + 131.763 MeV [-1.691 MeV]
(A_Te:1051)
126Te52 + 10 D* --> 128Xe54 + 18O8 + 131.934 MeV [-1.520 MeV]
(A_Te:1052)
126Te52 + 10 D* --> 129Xe54 + 17O8 + 130.799 MeV [-2.655 MeV]

(A_Te:1053)
126Te52 + 10 D* --> 130Xe54 + 16O8 + 135.911 MeV [2.457 MeV]
(A_Te:1054)
126Te52 + 10 D* --> 134Ba56 + 12C6 + 130.243 MeV [-3.211 MeV]
(A_Te:1055)
126Te52 + 10 D* --> 142Nd60 + 4He2 + 124.823 MeV [-8.631 MeV]
(A_Te:1056)
126Te52 + 10 D* --> 143Nd60 + 3He2 + 110.369 MeV [-23.085 MeV]
(A_Te:1057)

126Te52 + 11 D* --> 123Sb51 + 25Mg12 + 156.845 MeV [8.315 MeV]
(A_Te:1058)
126Te52 + 11 D* --> 125Te52 + 23Na11 + 152.980 MeV [4.450 MeV]
(A_Te:1059)
126Te52 + 11 D* --> 127I53 + 21Ne10 + 149.143 MeV [00.613 MeV]
(A_Te:1060)
126Te52 + 11 D* --> 129Xe54 + 19F9 + 144.613 MeV [-3.918 MeV]
(A_Te:1061)
126Te52 + 11 D* --> 134Ba56 + 14N7 + 140.515 MeV [-8.016 MeV]
(A_Te:1062)
126Te52 + 11 D* --> 138Ce58 + 10B5 + 129.946 MeV [-18.585 MeV]
(A_Te:1063)
126Te52 + 11 D* --> 142Nd60 + 6Li3 + 126.297 MeV [-22.234 MeV]
(A_Te:1064)
126Te52 + 11 D* --> 147Sm62 + 1H1 + 126.411 MeV [-22.119 MeV]
(A_Te:1065)

126Te52 + 12 D* --> 76Ge32 + 74Ge32 + 214.200 MeV [50.288 MeV]
(A_Te:1066)
126Te52 + 12 D* --> 80Se34 + 70Zn30 + 214.889 MeV [50.977 MeV]
(A_Te:1067)
126Te52 + 12 D* --> 82Se34 + 68Zn30 + 215.165 MeV [51.253 MeV]
(A_Te:1068)
126Te52 + 12 D* --> 86Kr36 + 64Ni28 + 217.929 MeV [54.017 MeV]
(A_Te:1069)
126Te52 + 12 D* --> 96Zr40 + 54Cr24 + 209.939 MeV [46.028 MeV]
(A_Te:1070)
126Te52 + 12 D* --> 100Mo42 + 50Ti22 + 205.175 MeV [41.263 MeV]
(A_Te:1071)
126Te52 + 12 D* --> 102Ru44 + 48Ca20 + 200.876 MeV [36.964 MeV]
(A_Te:1072)
126Te52 + 12 D* --> 104Ru44 + 46Ca20 + 198.788 MeV [34.876 MeV]
(A_Te:1073)
126Te52 + 12 D* --> 110Pd46 + 40Ar18 + 190.953 MeV [27.041 MeV]
(A_Te:1074)
126Te52 + 12 D* --> 114Cd48 + 36S16 + 188.249 MeV [24.337 MeV]
(A_Te:1075)
126Te52 + 12 D* --> 116Cd48 + 34S16 + 186.215 MeV [22.303 MeV]
(A_Te:1076)
126Te52 + 12 D* --> 120Sn50 + 30Si14 + 183.102 MeV [19.190 MeV]
(A_Te:1077)
126Te52 + 12 D* --> 122Sn50 + 28Si14 + 179.003 MeV [15.091 MeV]
(A_Te:1078)
126Te52 + 12 D* --> 123Sb51 + 27Al13 + 173.985 MeV [10.073 MeV]

(A_Te:1079)
126Te52 + 12 D* --> 124Te52 + 26Mg12 + 174.303 MeV [10.391 MeV]
(A_Te:1080)
126Te52 + 12 D* --> 125Te52 + 25Mg12 + 169.779 MeV [5.867 MeV]
(A_Te:1081)
126Te52 + 12 D* --> 126Te52 + 24Mg12 + 171.562 MeV [7.650 MeV]
(A_Te:1082)
126Te52 + 12 D* --> 127I53 + 23Na11 + 166.077 MeV [2.165 MeV]
(A_Te:1083)
126Te52 + 12 D* --> 128Xe54 + 22Ne10 + 165.449 MeV [1.537 MeV]
(A_Te:1084)
126Te52 + 12 D* --> 129Xe54 + 21Ne10 + 161.993 MeV [-1.919 MeV]
(A_Te:1085)
126Te52 + 12 D* --> 130Xe54 + 20Ne10 + 164.488 MeV [00.576 MeV]
(A_Te:1086)
126Te52 + 12 D* --> 132Ba56 + 18O8 + 156.780 MeV [-7.131 MeV]
(A_Te:1087)
126Te52 + 12 D* --> 134Ba56 + 16O8 + 161.251 MeV [-2.661 MeV]
(A_Te:1088)
126Te52 + 12 D* --> 138Ce58 + 12C6 + 155.133 MeV [-8.779 MeV]
(A_Te:1089)
126Te52 + 12 D* --> 147Sm62 + 3He2 + 131.905 MeV [-32.007 MeV]
(A_Te:1090)

128Te52 + 2 D* --> 128Te52 + 4He2 + 23.847 MeV [-0.136 MeV]
(A_Te:1091)
128Te52 + 2 D* --> 132Xe54 + 26.560 MeV [2.577 MeV]
(A_Te:1092)

128Te52 + 3 D* --> 124Sn50 + 10B5 + 26.601 MeV [-9.869 MeV]
(A_Te:1093)
128Te52 + 3 D* --> 128Te52 + 6Li3 + 25.320 MeV [-11.149 MeV]
(A_Te:1094)
128Te52 + 3 D* --> 132Xe54 + 2H1 + 26.560 MeV [-9.910 MeV]
(A_Te:1095)

128Te52 + 4 D* --> 124Sn50 + 12C6 + 51.788 MeV [2.505 MeV]
(A_Te:1096)
128Te52 + 4 D* --> 132Xe54 + 4He2 + 50.406 MeV [1.124 MeV]
(A_Te:1097)
128Te52 + 4 D* --> 136Ba56 + 52.438 MeV [3.155 MeV]
(A_Te:1098)

128Te52 + 5 D* --> 124Sn50 + 14N7 + 62.060 MeV [-0.359 MeV]
(A_Te:1099)
128Te52 + 5 D* --> 128Te52 + 10B5 + 53.628 MeV [-8.791 MeV]
(A_Te:1100)
128Te52 + 5 D* --> 131Xe54 + 7Li3 + 50.194 MeV [-12.226 MeV]
(A_Te:1101)
128Te52 + 5 D* --> 132Xe54 + 6Li3 + 51.880 MeV [-10.539 MeV]
(A_Te:1102)
128Te52 + 5 D* --> 136Ba56 + 2H1 + 52.438 MeV [-9.981 MeV]
(A_Te:1103)

128Te52 + 5 D* --> 137Ba56 + 1H1 + 57.119 MeV [-5.300 MeV]
(A_Te:1104)
128Te52 + 5 D* --> 138La57 + 63.211 MeV [00.792 MeV]
(A_Te:1105)

128Te52 + 6 D* --> 122Sn50 + 18O8 + 80.550 MeV [4.674 MeV]
(A_Te:1106)
128Te52 + 6 D* --> 124Sn50 + 16O8 + 82.796 MeV [6.920 MeV]
(A_Te:1107)
128Te52 + 6 D* --> 128Te52 + 12C6 + 78.814 MeV [2.939 MeV]
(A_Te:1108)
128Te52 + 6 D* --> 131Xe54 + 9Be4 + 66.890 MeV [-8.986 MeV]
(A_Te:1109)
128Te52 + 6 D* --> 133Cs55 + 7Li3 + 62.985 MeV [-12.891 MeV]
(A_Te:1110)
128Te52 + 6 D* --> 136Ba56 + 4He2 + 76.284 MeV [00.409 MeV]
(A_Te:1111)
128Te52 + 6 D* --> 137Ba56 + 3He2 + 62.612 MeV [-13.263 MeV]
(A_Te:1112)
128Te52 + 6 D* --> 138La57 + 2H1 + 63.211 MeV [-12.664 MeV]
(A_Te:1113)
128Te52 + 6 D* --> 139La57 + 1H1 + 69.765 MeV [-6.111 MeV]
(A_Te:1114)
128Te52 + 6 D* --> 140Ce58 + 77.906 MeV [2.030 MeV]
(A_Te:1115)

128Te52 + 7 D* --> 128Te52 + 14N7 + 89.087 MeV [-0.563 MeV]
(A_Te:1116)
128Te52 + 7 D* --> 131Xe54 + 11B5 + 82.705 MeV [-6.945 MeV]
(A_Te:1117)
128Te52 + 7 D* --> 132Xe54 + 10B5 + 80.188 MeV [-9.462 MeV]
(A_Te:1118)
128Te52 + 7 D* --> 133Cs55 + 9Be4 + 79.681 MeV [-9.968 MeV]
(A_Te:1119)
128Te52 + 7 D* --> 135Ba56 + 7Li3 + 75.900 MeV [-13.749 MeV]
(A_Te:1120)
128Te52 + 7 D* --> 136Ba56 + 6Li3 + 77.758 MeV [-11.892 MeV]
(A_Te:1121)
128Te52 + 7 D* --> 138La57 + 4He2 + 87.058 MeV [-2.592 MeV]
(A_Te:1122)
128Te52 + 7 D* --> 139La57 + 3He2 + 75.258 MeV [-14.392 MeV]
(A_Te:1123)
128Te52 + 7 D* --> 140Ce58 + 2H1 + 77.906 MeV [-11.744 MeV]
(A_Te:1124)

128Te52 + 8 D* --> 96Zr40 + 48Ca20 + 145.751 MeV [42.012 MeV]
(A_Te:1125)
128Te52 + 8 D* --> 122Sn50 + 22Ne10 + 114.064 MeV [10.326 MeV]
(A_Te:1126)
128Te52 + 8 D* --> 124Sn50 + 20Ne10 + 111.372 MeV [7.634 MeV]
(A_Te:1127)
128Te52 + 8 D* --> 126Te52 + 18O8 + 106.940 MeV [3.201 MeV]
(A_Te:1128)
128Te52 + 8 D* --> 128Te52 + 16O8 + 109.823 MeV [6.084 MeV]

(A_Te:1129)
128Te52 + 8 D* --> 131Xe54 + 13C6 + 101.384 MeV [-2.355 MeV]
(A_Te:1130)
128Te52 + 8 D* --> 132Xe54 + 12C6 + 105.374 MeV [1.636 MeV]
(A_Te:1131)
128Te52 + 8 D* --> 133Cs55 + 11B5 + 95.497 MeV [-8.242 MeV]
(A_Te:1132)
128Te52 + 8 D* --> 135Ba56 + 9Be4 + 92.597 MeV [-11.142 MeV]
(A_Te:1133)
128Te52 + 8 D* --> 138La57 + 6Li3 + 88.532 MeV [-15.207 MeV]
(A_Te:1134)
128Te52 + 8 D* --> 140Ce58 + 4He2 + 101.752 MeV [-1.987 MeV]
(A_Te:1135)
128Te52 + 8 D* --> 144Nd60 + 99.847 MeV [-3.892 MeV]
(A_Te:1136)

128Te52 + 9 D* --> 131Xe54 + 15N7 + 117.543 MeV [-0.596 MeV]
(A_Te:1137)
128Te52 + 9 D* --> 132Xe54 + 14N7 + 115.646 MeV [-2.493 MeV]
(A_Te:1138)
128Te52 + 9 D* --> 133Cs55 + 13C6 + 114.175 MeV [-3.964 MeV]
(A_Te:1139)
128Te52 + 9 D* --> 135Ba56 + 11B5 + 108.412 MeV [-9.728 MeV]
(A_Te:1140)
128Te52 + 9 D* --> 136Ba56 + 10B5 + 106.066 MeV [-12.074 MeV]
(A_Te:1141)
128Te52 + 9 D* --> 140Ce58 + 6Li3 + 103.226 MeV [-14.914 MeV]
(A_Te:1142)
128Te52 + 9 D* --> 144Nd60 + 2H1 + 99.847 MeV [-18.293 MeV]
(A_Te:1143)
128Te52 + 9 D* --> 145Nd60 + 1H1 + 103.378 MeV [-14.762 MeV]
(A_Te:1144)

128Te52 + 10 D* --> 100Mo42 + 48Ca20 + 172.764 MeV [39.914 MeV]
(A_Te:1145)
128Te52 + 10 D* --> 122Sn50 + 26Mg12 + 148.526 MeV [15.676 MeV]
(A_Te:1146)
128Te52 + 10 D* --> 124Sn50 + 24Mg12 + 144.535 MeV [11.685 MeV]
(A_Te:1147)
128Te52 + 10 D* --> 126Te52 + 22Ne10 + 140.454 MeV [7.604 MeV]
(A_Te:1148)
128Te52 + 10 D* --> 128Te52 + 20Ne10 + 138.399 MeV [5.549 MeV]
(A_Te:1149)
128Te52 + 10 D* --> 130Xe54 + 18O8 + 133.028 MeV [00.178 MeV]
(A_Te:1150)
128Te52 + 10 D* --> 131Xe54 + 17O8 + 131.589 MeV [-1.261 MeV]
(A_Te:1151)
128Te52 + 10 D* --> 132Xe54 + 16O8 + 136.383 MeV [3.533 MeV]
(A_Te:1152)
128Te52 + 10 D* --> 133Cs55 + 15N7 + 130.335 MeV [-2.515 MeV]
(A_Te:1153)
128Te52 + 10 D* --> 135Ba56 + 13C6 + 127.091 MeV [-5.759 MeV]
(A_Te:1154)
128Te52 + 10 D* --> 136Ba56 + 12C6 + 131.252 MeV [-1.598 MeV]

(A_Te:1155)
128Te52 + 10 D* --> 138La57 + 10B5 + 116.839 MeV [-16.011 MeV]
(A_Te:1156)
128Te52 + 10 D* --> 141Pr59 + 7Li3 + 113.478 MeV [-19.372 MeV]
(A_Te:1157)
128Te52 + 10 D* --> 144Nd60 + 4He2 + 123.693 MeV [-9.157 MeV]
(A_Te:1158)
128Te52 + 10 D* --> 145Nd60 + 3He2 + 108.871 MeV [-23.979 MeV]
(A_Te:1159)
128Te52 + 10 D* --> 148Sm62 + 121.707 MeV [-11.143 MeV]
(A_Te:1160)

128Te52 + 11 D* --> 131Xe54 + 19F9 + 145.403 MeV [-2.464 MeV]
(A_Te:1161)
128Te52 + 11 D* --> 133Cs55 + 17O8 + 144.381 MeV [-3.487 MeV]
(A_Te:1162)
128Te52 + 11 D* --> 135Ba56 + 15N7 + 143.250 MeV [-4.618 MeV]
(A_Te:1163)
128Te52 + 11 D* --> 136Ba56 + 14N7 + 141.524 MeV [-6.343 MeV]
(A_Te:1164)
128Te52 + 11 D* --> 138La57 + 12C6 + 142.026 MeV [-5.842 MeV]
(A_Te:1165)
128Te52 + 11 D* --> 140Ce58 + 10B5 + 131.533 MeV [-16.334 MeV]
(A_Te:1166)
128Te52 + 11 D* --> 141Pr59 + 9Be4 + 130.174 MeV [-17.694 MeV]
(A_Te:1167)
128Te52 + 11 D* --> 143Nd60 + 7Li3 + 124.600 MeV [-23.267 MeV]
(A_Te:1168)
128Te52 + 11 D* --> 144Nd60 + 6Li3 + 125.167 MeV [-22.700 MeV]
(A_Te:1169)
128Te52 + 11 D* --> 148Sm62 + 2H1 + 121.707 MeV [-26.160 MeV]
(A_Te:1170)
128Te52 + 11 D* --> 149Sm62 + 1H1 + 125.354 MeV [-22.514 MeV]
(A_Te:1171)

128Te52 + 12 D* --> 76Ge32 + 76Ge32 + 215.063 MeV [51.873 MeV]
(A_Te:1172)
128Te52 + 12 D* --> 82Se34 + 70Zn30 + 215.795 MeV [52.605 MeV]
(A_Te:1173)
128Te52 + 12 D* --> 104Ru44 + 48Ca20 + 200.940 MeV [37.750 MeV]
(A_Te:1174)
128Te52 + 12 D* --> 116Cd48 + 36S16 + 188.020 MeV [24.830 MeV]
(A_Te:1175)
128Te52 + 12 D* --> 122Sn50 + 30Si14 + 183.015 MeV [19.826 MeV]
(A_Te:1176)
128Te52 + 12 D* --> 124Sn50 + 28Si14 + 178.366 MeV [15.176 MeV]
(A_Te:1177)
128Te52 + 12 D* --> 126Te52 + 26Mg12 + 174.916 MeV [11.726 MeV]
(A_Te:1178)
128Te52 + 12 D* --> 128Te52 + 24Mg12 + 171.562 MeV [8.372 MeV]
(A_Te:1179)
128Te52 + 12 D* --> 130Xe54 + 22Ne10 + 166.543 MeV [3.353 MeV]
(A_Te:1180)
128Te52 + 12 D* --> 131Xe54 + 21Ne10 + 162.784 MeV [-0.406 MeV]

(A_Te:1181)
128Te52 + 12 D* --> 132Xe54 + 20Ne10 + 164.959 MeV [1.769 MeV]
(A_Te:1182)
128Te52 + 12 D* --> 133Cs55 + 19F9 + 158.195 MeV [-4.995 MeV]
(A_Te:1183)
128Te52 + 12 D* --> 134Ba56 + 18O8 + 158.368 MeV [-4.822 MeV]
(A_Te:1184)
128Te52 + 12 D* --> 135Ba56 + 17O8 + 157.296 MeV [-5.894 MeV]
(A_Te:1185)
128Te52 + 12 D* --> 136Ba56 + 16O8 + 162.261 MeV [-0.929 MeV]
(A_Te:1186)
128Te52 + 12 D* --> 138La57 + 14N7 + 152.298 MeV [-10.892 MeV]
(A_Te:1187)
128Te52 + 12 D* --> 140Ce58 + 12C6 + 156.720 MeV [-6.470 MeV]
(A_Te:1188)
128Te52 + 12 D* --> 141Pr59 + 11B5 + 145.990 MeV [-17.200 MeV]
(A_Te:1189)
128Te52 + 12 D* --> 143Nd60 + 9Be4 + 141.296 MeV [-21.893 MeV]
(A_Te:1190)
128Te52 + 12 D* --> 148Sm62 + 4He2 + 145.554 MeV [-17.636 MeV]
(A_Te:1191)
128Te52 + 12 D* --> 149Sm62 + 3He2 + 130.847 MeV [-32.343 MeV]
(A_Te:1192)
128Te52 + 12 D* --> 151Eu63 + 1H1 + 136.007 MeV [-27.183 MeV]
(A_Te:1193)
128Te52 + 12 D* --> 152Gd64 + 143.351 MeV [-19.839 MeV]
(A_Te:1194)

130Te52 + 2 D* --> 130Te52 + 4He2 + 23.847 MeV [-0.016 MeV]
(A_Te:1195)
130Te52 + 2 D* --> 134Xe54 + 27.045 MeV [3.182 MeV]
(A_Te:1196)

130Te52 + 3 D* --> 130Te52 + 6Li3 + 25.320 MeV [-10.970 MeV]
(A_Te:1197)
130Te52 + 3 D* --> 134Xe54 + 2H1 + 27.045 MeV [-9.246 MeV]
(A_Te:1198)

130Te52 + 4 D* --> 134Xe54 + 4He2 + 50.891 MeV [1.847 MeV]
(A_Te:1199)
130Te52 + 4 D* --> 138Ba56 + 53.453 MeV [4.410 MeV]
(A_Te:1200)

130Te52 + 5 D* --> 130Te52 + 10B5 + 53.628 MeV [-8.493 MeV]
(A_Te:1201)
130Te52 + 5 D* --> 134Xe54 + 6Li3 + 52.365 MeV [-9.756 MeV]
(A_Te:1202)
130Te52 + 5 D* --> 138Ba56 + 2H1 + 53.453 MeV [-8.667 MeV]
(A_Te:1203)

130Te52 + 6 D* --> 124Sn50 + 18O8 + 80.481 MeV [4.963 MeV]
(A_Te:1204)
130Te52 + 6 D* --> 130Te52 + 12C6 + 78.814 MeV [3.297 MeV]

(A_Te:1205)
130Te52 + 6 D* --> 138Ba56 + 4He2 + 77.300 MeV [1.782 MeV]
(A_Te:1206)
130Te52 + 6 D* --> 142Ce58 + 76.001 MeV [00.484 MeV]
(A_Te:1207)

130Te52 + 7 D* --> 130Te52 + 14N7 + 89.087 MeV [-0.146 MeV]
(A_Te:1208)
130Te52 + 7 D* --> 134Xe54 + 10B5 + 80.672 MeV [-8.560 MeV]
(A_Te:1209)
130Te52 + 7 D* --> 137Ba56 + 7Li3 + 77.412 MeV [-11.821 MeV]
(A_Te:1210)
130Te52 + 7 D* --> 138Ba56 + 6Li3 + 78.773 MeV [-10.459 MeV]
(A_Te:1211)
130Te52 + 7 D* --> 142Ce58 + 2H1 + 76.001 MeV [-13.231 MeV]
(A_Te:1212)

130Te52 + 8 D* --> 124Sn50 + 22Ne10 + 113.996 MeV [10.733 MeV]
(A_Te:1213)
130Te52 + 8 D* --> 128Te52 + 18O8 + 107.508 MeV [4.245 MeV]
(A_Te:1214)
130Te52 + 8 D* --> 130Te52 + 16O8 + 109.823 MeV [6.560 MeV]
(A_Te:1215)
130Te52 + 8 D* --> 134Xe54 + 12C6 + 105.859 MeV [2.596 MeV]
(A_Te:1216)
130Te52 + 8 D* --> 137Ba56 + 9Be4 + 94.108 MeV [-9.155 MeV]
(A_Te:1217)
130Te52 + 8 D* --> 139La57 + 7Li3 + 90.058 MeV [-13.205 MeV]
(A_Te:1218)
130Te52 + 8 D* --> 142Ce58 + 4He2 + 99.848 MeV [-3.415 MeV]
(A_Te:1219)
130Te52 + 8 D* --> 146Nd60 + 98.665 MeV [-4.597 MeV]
(A_Te:1220)

130Te52 + 9 D* --> 134Xe54 + 14N7 + 116.131 MeV [-1.474 MeV]
(A_Te:1221)
130Te52 + 9 D* --> 137Ba56 + 11B5 + 109.923 MeV [-7.682 MeV]
(A_Te:1222)
130Te52 + 9 D* --> 138Ba56 + 10B5 + 107.081 MeV [-10.524 MeV]
(A_Te:1223)
130Te52 + 9 D* --> 139La57 + 9Be4 + 106.754 MeV [-10.851 MeV]
(A_Te:1224)
130Te52 + 9 D* --> 142Ce58 + 6Li3 + 101.322 MeV [-16.283 MeV]
(A_Te:1225)
130Te52 + 9 D* --> 146Nd60 + 2H1 + 98.665 MeV [-18.940 MeV]
(A_Te:1226)

130Te52 + 10 D* --> 124Sn50 + 26Mg12 + 148.457 MeV [16.200 MeV]
(A_Te:1227)
130Te52 + 10 D* --> 128Te52 + 22Ne10 + 141.023 MeV [8.766 MeV]
(A_Te:1228)
130Te52 + 10 D* --> 130Te52 + 20Ne10 + 138.399 MeV [6.142 MeV]
(A_Te:1229)
130Te52 + 10 D* --> 132Xe54 + 18O8 + 134.068 MeV [1.811 MeV]

(A_Te:1230)
 130Te52 + 10 D* --> 134Xe54 + 16O8 + 136.867 MeV [4.610 MeV]
(A_Te:1231)
 130Te52 + 10 D* --> 137Ba56 + 13C6 + 128.602 MeV [-3.655 MeV]
(A_Te:1232)
 130Te52 + 10 D* --> 138Ba56 + 12C6 + 132.267 MeV [00.010 MeV]
(A_Te:1233)
 130Te52 + 10 D* --> 139La57 + 11B5 + 122.569 MeV [-9.688 MeV]
(A_Te:1234)
 130Te52 + 10 D* --> 146Nd60 + 4He2 + 122.512 MeV [-9.745 MeV]
(A_Te:1235)
 130Te52 + 10 D* --> 150Sm62 + 121.063 MeV [-11.194 MeV]
(A_Te:1236)

 130Te52 + 11 D* --> 137Ba56 + 15N7 + 144.761 MeV [-2.455 MeV]
(A_Te:1237)
 130Te52 + 11 D* --> 138Ba56 + 14N7 + 142.540 MeV [-4.676 MeV]
(A_Te:1238)
 130Te52 + 11 D* --> 139La57 + 13C6 + 141.248 MeV [-5.968 MeV]
(A_Te:1239)
 130Te52 + 11 D* --> 142Ce58 + 10B5 + 129.629 MeV [-17.587 MeV]
(A_Te:1240)
 130Te52 + 11 D* --> 145Nd60 + 7Li3 + 123.671 MeV [-23.546 MeV]
(A_Te:1241)
 130Te52 + 11 D* --> 146Nd60 + 6Li3 + 123.986 MeV [-23.230 MeV]
(A_Te:1242)
 130Te52 + 11 D* --> 150Sm62 + 2H1 + 121.063 MeV [-26.153 MeV]
(A_Te:1243)

 130Te52 + 12 D* --> 124Sn50 + 30Si14 + 182.947 MeV [20.467 MeV]
(A_Te:1244)
 130Te52 + 12 D* --> 128Te52 + 26Mg12 + 175.484 MeV [13.004 MeV]
(A_Te:1245)
 130Te52 + 12 D* --> 130Te52 + 24Mg12 + 171.562 MeV [9.082 MeV]
(A_Te:1246)
 130Te52 + 12 D* --> 132Xe54 + 22Ne10 + 167.582 MeV [5.102 MeV]
(A_Te:1247)
 130Te52 + 12 D* --> 134Xe54 + 20Ne10 + 165.444 MeV [2.963 MeV]
(A_Te:1248)
 130Te52 + 12 D* --> 136Ba56 + 18O8 + 159.946 MeV [-2.535 MeV]
(A_Te:1249)
 130Te52 + 12 D* --> 137Ba56 + 17O8 + 158.807 MeV [-3.673 MeV]
(A_Te:1250)
 130Te52 + 12 D* --> 138Ba56 + 16O8 + 163.276 MeV [00.796 MeV]
(A_Te:1251)
 130Te52 + 12 D* --> 139La57 + 15N7 + 157.407 MeV [-5.073 MeV]
(A_Te:1252)
 130Te52 + 12 D* --> 142Ce58 + 12C6 + 154.816 MeV [-7.665 MeV]
(A_Te:1253)
 130Te52 + 12 D* --> 145Nd60 + 9Be4 + 140.367 MeV [-22.114 MeV]
(A_Te:1254)
 130Te52 + 12 D* --> 150Sm62 + 4He2 + 144.910 MeV [-17.571 MeV]
(A_Te:1255)
 130Te52 + 12 D* --> 153Eu63 + 1H1 + 136.362 MeV [-26.119 MeV]

(A_Te:1256)
130Te52 + 12 D* --> 154Gd64 + 143.990 MeV [-18.490 MeV]
(A_Te:1257)

---------- Equations follow for Iodine, I, element 53 ----------

127I53 + D* --> 116Cd48 + 13C6 + 9.747 MeV [-2.337 MeV] (A_I:1)
127I53 + D* --> 120Sn50 + 9Be4 + 3.910 MeV [-8.174 MeV] (A_I:2)
127I53 + D* --> 125Te52 + 4He2 + 10.750 MeV [-1.334 MeV] (A_I:3)
127I53 + D* --> 129Xe54 + 12.850 MeV [00.766 MeV] (A_I:4)

127I53 + 2 D* --> 116Cd48 + 15N7 + 25.906 MeV [1.409 MeV] (A_I:5)
127I53 + 2 D* --> 120Sn50 + 11B5 + 19.725 MeV [-4.772 MeV] (A_I:6)
127I53 + 2 D* --> 124Te52 + 7Li3 + 12.905 MeV [-11.593 MeV] (A_I:7)
127I53 + 2 D* --> 125Te52 + 6Li3 + 12.224 MeV [-12.274 MeV] (A_I:8)
127I53 + 2 D* --> 127I53 + 4He2 + 23.847 MeV [-0.651 MeV] (A_I:9)
127I53 + 2 D* --> 129Xe54 + 2H1 + 12.850 MeV [-11.647 MeV] (A_I:10)
127I53 + 2 D* --> 130Xe54 + 1H1 + 19.881 MeV [-4.616 MeV] (A_I:11)

127I53 + 3 D* --> 116Cd48 + 17O8 + 39.952 MeV [2.714 MeV] (A_I:12)
127I53 + 3 D* --> 120Sn50 + 13C6 + 38.404 MeV [1.166 MeV] (A_I:13)
127I53 + 3 D* --> 123Sb51 + 10B5 + 27.597 MeV [-9.641 MeV] (A_I:14)
127I53 + 3 D* --> 124Te52 + 9Be4 + 29.601 MeV [-7.637 MeV] (A_I:15)
127I53 + 3 D* --> 127I53 + 6Li3 + 25.320 MeV [-11.918 MeV] (A_I:16)
127I53 + 3 D* --> 129Xe54 + 4He2 + 36.697 MeV [-0.541 MeV] (A_I:17)
127I53 + 3 D* --> 130Xe54 + 3He2 + 25.375 MeV [-11.863 MeV] (A_I:18)

127I53 + 4 D* --> 87Rb37 + 48Ca20 + 92.372 MeV [42.069 MeV] (A_I:19)
127I53 + 4 D* --> 116Cd48 + 19F9 + 53.767 MeV [3.464 MeV] (A_I:20)
127I53 + 4 D* --> 120Sn50 + 15N7 + 54.563 MeV [4.261 MeV] (A_I:21)
127I53 + 4 D* --> 123Sb51 + 12C6 + 52.784 MeV [2.481 MeV] (A_I:22)
127I53 + 4 D* --> 124Te52 + 11B5 + 45.416 MeV [-4.886 MeV] (A_I:23)
127I53 + 4 D* --> 125Te52 + 10B5 + 40.531 MeV [-9.771 MeV] (A_I:24)
127I53 + 4 D* --> 128Xe54 + 7Li3 + 38.512 MeV [-11.791 MeV] (A_I:25)
127I53 + 4 D* --> 129Xe54 + 6Li3 + 38.170 MeV [-12.132 MeV] (A_I:26)
127I53 + 4 D* --> 134Ba56 + 1H1 + 45.221 MeV [-5.082 MeV] (A_I:27)

127I53 + 5 D* --> 116Cd48 + 21Ne10 + 71.147 MeV [7.459 MeV] (A_I:28)
127I53 + 5 D* --> 119Sn50 + 18O8 + 67.545 MeV [3.857 MeV] (A_I:29)
127I53 + 5 D* --> 120Sn50 + 17O8 + 68.609 MeV [4.921 MeV] (A_I:30)
127I53 + 5 D* --> 123Sb51 + 14N7 + 63.056 MeV [-0.632 MeV] (A_I:31)
127I53 + 5 D* --> 124Te52 + 13C6 + 64.095 MeV [00.407 MeV] (A_I:32)
127I53 + 5 D* --> 125Te52 + 12C6 + 65.718 MeV [2.030 MeV] (A_I:33)
127I53 + 5 D* --> 127I53 + 10B5 + 53.628 MeV [-10.060 MeV] (A_I:34)
127I53 + 5 D* --> 128Xe54 + 9Be4 + 55.208 MeV [-8.480 MeV] (A_I:35)
127I53 + 5 D* --> 134Ba56 + 3He2 + 50.714 MeV [-12.974 MeV] (A_I:36)

127I53 + 6 D* --> 116Cd48 + 23Na11 + 88.080 MeV [10.689 MeV] (A_I:37)
127I53 + 6 D* --> 120Sn50 + 19F9 + 82.424 MeV [5.032 MeV] (A_I:38)
127I53 + 6 D* --> 121Sb51 + 18O8 + 80.208 MeV [2.816 MeV] (A_I:39)
127I53 + 6 D* --> 123Sb51 + 16O8 + 83.792 MeV [6.401 MeV] (A_I:40)
127I53 + 6 D* --> 124Te52 + 15N7 + 80.254 MeV [2.863 MeV] (A_I:41)
127I53 + 6 D* --> 125Te52 + 14N7 + 75.990 MeV [-1.402 MeV] (A_I:42)
127I53 + 6 D* --> 127I53 + 12C6 + 78.814 MeV [1.423 MeV] (A_I:43)

127I53 + 6 D* --> 128Xe54 + 11B5 + 71.023 MeV [-6.368 MeV] (A_I:44)
127I53 + 6 D* --> 129Xe54 + 10B5 + 66.478 MeV [-10.914 MeV] (A_I:45)
127I53 + 6 D* --> 132Ba56 + 7Li3 + 63.358 MeV [-14.034 MeV] (A_I:46)
127I53 + 6 D* --> 138Ce58 + 1H1 + 70.111 MeV [-7.281 MeV] (A_I:47)

127I53 + 7 D* --> 116Cd48 + 25Mg12 + 104.879 MeV [13.469 MeV] (A_I:48)
127I53 + 7 D* --> 119Sn50 + 22Ne10 + 101.060 MeV [9.649 MeV] (A_I:49)
127I53 + 7 D* --> 120Sn50 + 21Ne10 + 99.804 MeV [8.393 MeV] (A_I:50)
127I53 + 7 D* --> 123Te52 + 18O8 + 92.920 MeV [1.510 MeV] (A_I:51)
127I53 + 7 D* --> 124Te52 + 17O8 + 94.300 MeV [2.890 MeV] (A_I:52)
127I53 + 7 D* --> 125Te52 + 16O8 + 96.726 MeV [5.316 MeV] (A_I:53)
127I53 + 7 D* --> 127I53 + 14N7 + 89.087 MeV [-2.324 MeV] (A_I:54)
127I53 + 7 D* --> 128Xe54 + 13C6 + 89.702 MeV [-1.709 MeV] (A_I:55)
127I53 + 7 D* --> 129Xe54 + 12C6 + 91.664 MeV [00.254 MeV] (A_I:56)
127I53 + 7 D* --> 132Ba56 + 9Be4 + 80.054 MeV [-11.356 MeV] (A_I:57)
127I53 + 7 D* --> 138Ce58 + 3He2 + 75.604 MeV [-15.806 MeV] (A_I:58)

127I53 + 8 D* --> 116Cd48 + 27Al13 + 122.019 MeV [16.276 MeV] (A_I:59)
127I53 + 8 D* --> 120Sn50 + 23Na11 + 116.738 MeV [10.995 MeV] (A_I:60)
127I53 + 8 D* --> 121Sb51 + 22Ne10 + 113.722 MeV [7.980 MeV] (A_I:61)
127I53 + 8 D* --> 123Sb51 + 20Ne10 + 112.369 MeV [6.626 MeV] (A_I:62)
127I53 + 8 D* --> 124Te52 + 19F9 + 108.115 MeV [2.372 MeV] (A_I:63)
127I53 + 8 D* --> 127I53 + 16O8 + 109.823 MeV [4.081 MeV] (A_I:64)
127I53 + 8 D* --> 128Xe54 + 15N7 + 105.861 MeV [00.119 MeV] (A_I:65)
127I53 + 8 D* --> 129Xe54 + 14N7 + 101.937 MeV [-3.806 MeV] (A_I:66)
127I53 + 8 D* --> 132Ba56 + 11B5 + 95.870 MeV [-9.873 MeV] (A_I:67)
127I53 + 8 D* --> 136Ce58 + 7Li3 + 87.663 MeV [-18.079 MeV] (A_I:68)
127I53 + 8 D* --> 142Nd60 + 1H1 + 94.769 MeV [-10.973 MeV] (A_I:69)

127I53 + 9 D* --> 96Zr40 + 49Ti22 + 163.240 MeV [42.856 MeV] (A_I:70)
127I53 + 9 D* --> 97Mo42 + 48Ca20 + 160.993 MeV [40.609 MeV] (A_I:71)
127I53 + 9 D* --> 116Cd48 + 29Si14 + 139.853 MeV [19.469 MeV] (A_I:72)
127I53 + 9 D* --> 119Sn50 + 26Mg12 + 135.521 MeV [15.137 MeV] (A_I:73)
127I53 + 9 D* --> 120Sn50 + 25Mg12 + 133.536 MeV [13.152 MeV] (A_I:74)
127I53 + 9 D* --> 123Te52 + 22Ne10 + 126.435 MeV [6.051 MeV] (A_I:75)
127I53 + 9 D* --> 124Te52 + 21Ne10 + 125.495 MeV [5.111 MeV] (A_I:76)
127I53 + 9 D* --> 125Te52 + 20Ne10 + 125.303 MeV [4.918 MeV] (A_I:77)
127I53 + 9 D* --> 128Xe54 + 17O8 + 119.907 MeV [-0.477 MeV] (A_I:78)
127I53 + 9 D* --> 129Xe54 + 16O8 + 122.673 MeV [2.289 MeV] (A_I:79)
127I53 + 9 D* --> 132Ba56 + 13C6 + 114.548 MeV [-5.836 MeV] (A_I:80)
127I53 + 9 D* --> 136Ce58 + 9Be4 + 104.359 MeV [-16.025 MeV] (A_I:81)
127I53 + 9 D* --> 142Nd60 + 3He2 + 100.262 MeV [-20.122 MeV] (A_I:82)

127I53 + 10 D* --> 76Ge32 + 71Ga31 + 185.727 MeV [50.394 MeV] (A_I:83)
127I53 + 10 D* --> 82Se34 + 65Cu29 + 187.232 MeV [51.898 MeV] (A_I:84)
127I53 + 10 D* --> 96Zr40 + 51V23 + 180.018 MeV [44.685 MeV] (A_I:85)
127I53 + 10 D* --> 110Pd46 + 37Cl17 + 162.485 MeV [27.151 MeV] (A_I:86)
127I53 + 10 D* --> 116Cd48 + 31P15 + 155.534 MeV [20.201 MeV] (A_I:87)
127I53 + 10 D* --> 120Sn50 + 27Al13 + 150.676 MeV [15.342 MeV] (A_I:88)
127I53 + 10 D* --> 121Sb51 + 26Mg12 + 148.184 MeV [12.850 MeV] (A_I:89)
127I53 + 10 D* --> 123Sb51 + 24Mg12 + 145.532 MeV [10.198 MeV] (A_I:90)
127I53 + 10 D* --> 124Te52 + 23Na11 + 142.428 MeV [7.095 MeV] (A_I:91)
127I53 + 10 D* --> 127I53 + 20Ne10 + 138.399 MeV [3.066 MeV] (A_I:92)
127I53 + 10 D* --> 128Xe54 + 19F9 + 133.722 MeV [-1.612 MeV] (A_I:93)

127I53 + 10 D* --> 132Ba56 + 15N7 + 130.707 MeV [-4.626 MeV] (A_I:94)
127I53 + 10 D* --> 136Ce58 + 11B5 + 120.174 MeV [-15.159 MeV] (A_I:95)

127I53 + 11 D* --> 76Ge32 + 73Ge32 + 200.020 MeV [49.432 MeV] (A_I:96)
127I53 + 11 D* --> 82Se34 + 67Zn30 + 200.984 MeV [50.396 MeV] (A_I:97)
127I53 + 11 D* --> 96Zr40 + 53Cr24 + 196.237 MeV [45.649 MeV] (A_I:98)
127I53 + 11 D* --> 100Mo42 + 49Ti22 + 190.253 MeV [39.665 MeV] (A_I:99)
127I53 + 11 D* --> 101Ru44 + 48Ca20 + 187.674 MeV [37.086 MeV] (A_I:100)
127I53 + 11 D* --> 113Cd48 + 36S16 + 175.223 MeV [24.635 MeV] (A_I:101)
127I53 + 11 D* --> 116Cd48 + 33S16 + 170.815 MeV [20.227 MeV] (A_I:102)
127I53 + 11 D* --> 119Sn50 + 30Si14 + 170.011 MeV [19.423 MeV] (A_I:103)
127I53 + 11 D* --> 120Sn50 + 29Si14 + 168.510 MeV [17.922 MeV] (A_I:104)
127I53 + 11 D* --> 123Te52 + 26Mg12 + 160.896 MeV [10.308 MeV] (A_I:105)
127I53 + 11 D* --> 124Te52 + 25Mg12 + 159.227 MeV [8.639 MeV] (A_I:106)
127I53 + 11 D* --> 125Te52 + 24Mg12 + 158.466 MeV [7.878 MeV] (A_I:107)
127I53 + 11 D* --> 128Xe54 + 21Ne10 + 151.102 MeV [00.514 MeV] (A_I:108)
127I53 + 11 D* --> 129Xe54 + 20Ne10 + 151.249 MeV [00.661 MeV] (A_I:109)
127I53 + 11 D* --> 132Ba56 + 17O8 + 144.753 MeV [-5.835 MeV] (A_I:110)
127I53 + 11 D* --> 136Ce58 + 13C6 + 138.853 MeV [-11.735 MeV] (A_I:111)

127I53 + 12 D* --> 76Ge32 + 75As33 + 214.891 MeV [48.746 MeV] (A_I:112)
127I53 + 12 D* --> 80Se34 + 71Ga31 + 216.546 MeV [50.400 MeV] (A_I:113)
127I53 + 12 D* --> 82Se34 + 69Ga31 + 215.567 MeV [49.422 MeV] (A_I:114)
127I53 + 12 D* --> 81Br35 + 70Zn30 + 216.185 MeV [50.040 MeV] (A_I:115)
127I53 + 12 D* --> 86Kr36 + 65Cu29 + 219.175 MeV [53.029 MeV] (A_I:116)
127I53 + 12 D* --> 87Rb37 + 64Ni28 + 220.343 MeV [54.197 MeV] (A_I:117)
127I53 + 12 D* --> 96Zr40 + 55Mn25 + 211.799 MeV [45.654 MeV] (A_I:118)
127I53 + 12 D* --> 100Mo42 + 51V23 + 207.031 MeV [40.886 MeV] (A_I:119)
127I53 + 12 D* --> 103Rh45 + 48Ca20 + 200.882 MeV [34.737 MeV] (A_I:120)
127I53 + 12 D* --> 110Pd46 + 41K19 + 192.554 MeV [26.408 MeV] (A_I:121)
127I53 + 12 D* --> 114Cd48 + 37Cl17 + 190.428 MeV [24.283 MeV] (A_I:122)
127I53 + 12 D* --> 116Cd48 + 35Cl17 + 186.378 MeV [20.233 MeV] (A_I:123)
127I53 + 12 D* --> 115In49 + 36S16 + 188.846 MeV [22.701 MeV] (A_I:124)
127I53 + 12 D* --> 120Sn50 + 31P15 + 184.191 MeV [18.046 MeV] (A_I:125)
127I53 + 12 D* --> 121Sb51 + 30Si14 + 182.674 MeV [16.528 MeV] (A_I:126)
127I53 + 12 D* --> 123Sb51 + 28Si14 + 179.362 MeV [13.217 MeV] (A_I:127)
127I53 + 12 D* --> 124Te52 + 27Al13 + 176.367 MeV [10.221 MeV] (A_I:128)
127I53 + 12 D* --> 127I53 + 24Mg12 + 171.562 MeV [5.417 MeV] (A_I:129)
127I53 + 12 D* --> 128Xe54 + 23Na11 + 168.035 MeV [1.890 MeV] (A_I:130)
127I53 + 12 D* --> 132Ba56 + 19F9 + 158.568 MeV [-7.578 MeV] (A_I:131)
127I53 + 12 D* --> 136Ce58 + 15N7 + 155.012 MeV [-11.133 MeV] (A_I:132)
127I53 + 12 D* --> 144Sm62 + 7Li3 + 135.709 MeV [-30.436 MeV] (A_I:133)

---------- Equations follow for Xenon, Xe, element 54 ----------

124Xe54 + D* --> 76Ge32 + 50V23 + 47.910 MeV [35.502 MeV] (A_Xe:1)
124Xe54 + D* --> 86Kr36 + 40K19 + 42.276 MeV [29.868 MeV] (A_Xe:2)
124Xe54 + D* --> 109Ag47 + 17O8 + 15.007 MeV [2.599 MeV] (A_Xe:3)
124Xe54 + D* --> 111Cd48 + 15N7 + 14.632 MeV [2.223 MeV] (A_Xe:4)
124Xe54 + D* --> 112Cd48 + 14N7 + 13.193 MeV [00.784 MeV] (A_Xe:5)
124Xe54 + D* --> 113In49 + 13C6 + 11.720 MeV [-0.688 MeV] (A_Xe:6)
124Xe54 + D* --> 115Sn50 + 11B5 + 6.844 MeV [-5.565 MeV] (A_Xe:7)
124Xe54 + D* --> 116Sn50 + 10B5 + 4.953 MeV [-7.456 MeV] (A_Xe:8)
124Xe54 + D* --> 120Te52 + 6Li3 + 00.793 MeV [-11.615 MeV] (A_Xe:9)

124Xe54 + 2 D* --> 64Ni28 + 64Ni28 + 72.810 MeV [47.665 MeV] (A_Xe:10)
124Xe54 + 2 D* --> 70Zn30 + 58Fe26 + 70.329 MeV [45.185 MeV] (A_Xe:11)
124Xe54 + 2 D* --> 74Ge32 + 54Cr24 + 68.966 MeV [43.822 MeV] (A_Xe:12)
124Xe54 + 2 D* --> 76Ge32 + 52Cr24 + 67.241 MeV [42.097 MeV] (A_Xe:13)
124Xe54 + 2 D* --> 78Se34 + 50Ti22 + 67.064 MeV [41.920 MeV] (A_Xe:14)
124Xe54 + 2 D* --> 80Se34 + 48Ti22 + 64.859 MeV [39.715 MeV] (A_Xe:15)
124Xe54 + 2 D* --> 82Se34 + 46Ti22 + 60.329 MeV [35.184 MeV] (A_Xe:16)
124Xe54 + 2 D* --> 80Kr36 + 48Ca20 + 60.718 MeV [35.574 MeV] (A_Xe:17)
124Xe54 + 2 D* --> 82Kr36 + 46Ca20 + 62.336 MeV [37.191 MeV] (A_Xe:18)
124Xe54 + 2 D* --> 84Kr36 + 44Ca20 + 62.511 MeV [37.366 MeV] (A_Xe:19)
124Xe54 + 2 D* --> 86Kr36 + 42Ca20 + 60.424 MeV [35.280 MeV] (A_Xe:20)
124Xe54 + 2 D* --> 87Rb37 + 41K19 + 58.768 MeV [33.624 MeV] (A_Xe:21)
124Xe54 + 2 D* --> 88Sr38 + 40Ar18 + 61.573 MeV [36.429 MeV] (A_Xe:22)
124Xe54 + 2 D* --> 92Zr40 + 36S16 + 57.729 MeV [32.585 MeV] (A_Xe:23)
124Xe54 + 2 D* --> 94Zr40 + 34S16 + 55.810 MeV [30.666 MeV] (A_Xe:24)
124Xe54 + 2 D* --> 96Zr40 + 32S16 + 50.070 MeV [24.925 MeV] (A_Xe:25)
124Xe54 + 2 D* --> 98Mo42 + 30Si14 + 51.156 MeV [26.012 MeV] (A_Xe:26)
124Xe54 + 2 D* --> 100Mo42 + 28Si14 + 46.288 MeV [21.144 MeV] (A_Xe:27)
124Xe54 + 2 D* --> 102Ru44 + 26Mg12 + 43.924 MeV [18.780 MeV] (A_Xe:28)
124Xe54 + 2 D* --> 104Ru44 + 24Mg12 + 40.634 MeV [15.489 MeV] (A_Xe:29)
124Xe54 + 2 D* --> 106Pd46 + 22Ne10 + 36.539 MeV [11.394 MeV] (A_Xe:30)
124Xe54 + 2 D* --> 108Pd46 + 20Ne10 + 35.178 MeV [10.033 MeV] (A_Xe:31)
124Xe54 + 2 D* --> 109Ag47 + 19F9 + 28.821 MeV [3.677 MeV] (A_Xe:32)
124Xe54 + 2 D* --> 110Cd48 + 18O8 + 29.746 MeV [4.601 MeV] (A_Xe:33)
124Xe54 + 2 D* --> 111Cd48 + 17O8 + 28.678 MeV [3.533 MeV] (A_Xe:34)
124Xe54 + 2 D* --> 112Cd48 + 16O8 + 33.929 MeV [8.784 MeV] (A_Xe:35)
124Xe54 + 2 D* --> 113In49 + 15N7 + 27.880 MeV [2.735 MeV] (A_Xe:36)
124Xe54 + 2 D* --> 115Sn50 + 13C6 + 25.522 MeV [00.378 MeV] (A_Xe:37)
124Xe54 + 2 D* --> 116Sn50 + 12C6 + 30.139 MeV [4.995 MeV] (A_Xe:38)
124Xe54 + 2 D* --> 124Xe54 + 4He2 + 23.847 MeV [-1.298 MeV] (A_Xe:39)

124Xe54 + 3 D* --> 80Se34 + 50V23 + 78.729 MeV [40.524 MeV] (A_Xe:40)
124Xe54 + 3 D* --> 81Br35 + 49Ti22 + 78.281 MeV [40.076 MeV] (A_Xe:41)
124Xe54 + 3 D* --> 87Rb37 + 43Ca20 + 74.753 MeV [36.549 MeV] (A_Xe:42)
124Xe54 + 3 D* --> 109Ag47 + 21Ne10 + 46.202 MeV [7.997 MeV] (A_Xe:43)
124Xe54 + 3 D* --> 111Cd48 + 19F9 + 42.492 MeV [4.288 MeV] (A_Xe:44)
124Xe54 + 3 D* --> 113In49 + 17O8 + 41.925 MeV [3.721 MeV] (A_Xe:45)
124Xe54 + 3 D* --> 115Sn50 + 15N7 + 41.682 MeV [3.477 MeV] (A_Xe:46)
124Xe54 + 3 D* --> 116Sn50 + 14N7 + 40.412 MeV [2.207 MeV] (A_Xe:47)
124Xe54 + 3 D* --> 120Te52 + 10B5 + 29.101 MeV [-9.104 MeV] (A_Xe:48)
124Xe54 + 3 D* --> 124Xe54 + 6Li3 + 25.320 MeV [-12.884 MeV] (A_Xe:49)

124Xe54 + 4 D* --> 68Zn30 + 64Ni28 + 101.989 MeV [50.404 MeV] (A_Xe:50)
124Xe54 + 4 D* --> 70Zn30 + 62Ni28 + 101.194 MeV [49.608 MeV] (A_Xe:51)
124Xe54 + 4 D* --> 74Ge32 + 58Fe26 + 100.459 MeV [48.873 MeV] (A_Xe:52)
124Xe54 + 4 D* --> 76Ge32 + 56Fe26 + 98.701 MeV [47.115 MeV] (A_Xe:53)
124Xe54 + 4 D* --> 78Se34 + 54Cr24 + 98.841 MeV [47.256 MeV] (A_Xe:54)
124Xe54 + 4 D* --> 80Se34 + 52Cr24 + 98.060 MeV [46.474 MeV] (A_Xe:55)
124Xe54 + 4 D* --> 82Se34 + 50Cr24 + 92.736 MeV [41.151 MeV] (A_Xe:56)
124Xe54 + 4 D* --> 81Br35 + 51V23 + 95.059 MeV [43.473 MeV] (A_Xe:57)
124Xe54 + 4 D* --> 82Kr36 + 50Ti22 + 96.899 MeV [45.313 MeV] (A_Xe:58)
124Xe54 + 4 D* --> 83Kr36 + 49Ti22 + 93.423 MeV [41.838 MeV] (A_Xe:59)
124Xe54 + 4 D* --> 84Kr36 + 48Ti22 + 95.802 MeV [44.216 MeV] (A_Xe:60)

124Xe54 + 4 D* --> 86Kr36 + 46Ti22 + 92.272 MeV [40.686 MeV] (A_Xe:61)
124Xe54 + 4 D* --> 87Rb37 + 45Sc21 + 90.548 MeV [38.963 MeV] (A_Xe:62)
124Xe54 + 4 D* --> 84Sr38 + 48Ca20 + 89.741 MeV [38.155 MeV] (A_Xe:63)
124Xe54 + 4 D* --> 86Sr38 + 46Ca20 + 92.541 MeV [40.956 MeV] (A_Xe:64)
124Xe54 + 4 D* --> 88Sr38 + 44Ca20 + 94.273 MeV [42.687 MeV] (A_Xe:65)
124Xe54 + 4 D* --> 92Zr40 + 40Ar18 + 88.377 MeV [36.791 MeV] (A_Xe:66)
124Xe54 + 4 D* --> 94Zr40 + 38Ar18 + 86.864 MeV [35.278 MeV] (A_Xe:67)
124Xe54 + 4 D* --> 96Zr40 + 36Ar18 + 80.557 MeV [28.971 MeV] (A_Xe:68)
124Xe54 + 4 D* --> 96Mo42 + 36S16 + 84.337 MeV [32.752 MeV] (A_Xe:69)
124Xe54 + 4 D* --> 98Mo42 + 34S16 + 82.926 MeV [31.341 MeV] (A_Xe:70)
124Xe54 + 4 D* --> 100Mo42 + 32S16 + 77.083 MeV [25.497 MeV] (A_Xe:71)
124Xe54 + 4 D* --> 102Ru44 + 30Si14 + 78.414 MeV [26.828 MeV] (A_Xe:72)
124Xe54 + 4 D* --> 104Ru44 + 28Si14 + 74.464 MeV [22.879 MeV] (A_Xe:73)
124Xe54 + 4 D* --> 106Pd46 + 26Mg12 + 71.000 MeV [19.414 MeV] (A_Xe:74)
124Xe54 + 4 D* --> 108Pd46 + 24Mg12 + 68.341 MeV [16.755 MeV] (A_Xe:75)
124Xe54 + 4 D* --> 109Ag47 + 23Na11 + 63.135 MeV [11.550 MeV] (A_Xe:76)
124Xe54 + 4 D* --> 110Cd48 + 22Ne10 + 63.260 MeV [11.675 MeV] (A_Xe:77)
124Xe54 + 4 D* --> 111Cd48 + 21Ne10 + 59.872 MeV [8.286 MeV] (A_Xe:78)
124Xe54 + 4 D* --> 112Cd48 + 20Ne10 + 62.505 MeV [10.920 MeV] (A_Xe:79)
124Xe54 + 4 D* --> 113In49 + 19F9 + 55.740 MeV [4.154 MeV] (A_Xe:80)
124Xe54 + 4 D* --> 114Sn50 + 18O8 + 56.225 MeV [4.640 MeV] (A_Xe:81)
124Xe54 + 4 D* --> 115Sn50 + 17O8 + 55.728 MeV [4.142 MeV] (A_Xe:82)
124Xe54 + 4 D* --> 116Sn50 + 16O8 + 61.148 MeV [9.562 MeV] (A_Xe:83)
124Xe54 + 4 D* --> 120Te52 + 12C6 + 54.287 MeV [2.702 MeV] (A_Xe:84)

124Xe54 + 5 D* --> 81Br35 + 53Cr24 + 111.278 MeV [45.993 MeV] (A_Xe:85)
124Xe54 + 5 D* --> 83Kr36 + 51V23 + 110.202 MeV [44.916 MeV] (A_Xe:86)
124Xe54 + 5 D* --> 84Kr36 + 50V23 + 109.671 MeV [44.386 MeV] (A_Xe:87)
124Xe54 + 5 D* --> 85Rb37 + 49Ti22 + 108.745 MeV [43.459 MeV] (A_Xe:88)
124Xe54 + 5 D* --> 87Rb37 + 47Ti22 + 107.549 MeV [42.263 MeV] (A_Xe:89)
124Xe54 + 5 D* --> 94Zr40 + 40K19 + 98.821 MeV [33.535 MeV] (A_Xe:90)
124Xe54 + 5 D* --> 97Mo42 + 37Cl17 + 97.320 MeV [32.035 MeV] (A_Xe:91)
124Xe54 + 5 D* --> 109Ag47 + 25Mg12 + 79.934 MeV [14.649 MeV] (A_Xe:92)
124Xe54 + 5 D* --> 111Cd48 + 23Na11 + 76.806 MeV [11.521 MeV] (A_Xe:93)
124Xe54 + 5 D* --> 113In49 + 21Ne10 + 73.120 MeV [7.835 MeV] (A_Xe:94)
124Xe54 + 5 D* --> 115Sn50 + 19F9 + 69.542 MeV [4.257 MeV] (A_Xe:95)
124Xe54 + 5 D* --> 120Te52 + 14N7 + 64.560 MeV [-0.726 MeV] (A_Xe:96)
124Xe54 + 5 D* --> 124Xe54 + 10B5 + 53.628 MeV [-11.657 MeV] (A_Xe:97)

124Xe54 + 6 D* --> 68Zn30 + 68Zn30 + 131.169 MeV [51.868 MeV] (A_Xe:98)
124Xe54 + 6 D* --> 70Zn30 + 66Zn30 + 129.618 MeV [50.318 MeV] (A_Xe:99)
124Xe54 + 6 D* --> 71Ga31 + 65Cu29 + 128.558 MeV [49.258 MeV] (A_Xe:100)
124Xe54 + 6 D* --> 72Ge32 + 64Ni28 + 130.839 MeV [51.539 MeV] (A_Xe:101)
124Xe54 + 6 D* --> 74Ge32 + 62Ni28 + 131.323 MeV [52.022 MeV] (A_Xe:102)
124Xe54 + 6 D* --> 76Ge32 + 60Ni28 + 128.839 MeV [49.539 MeV] (A_Xe:103)
124Xe54 + 6 D* --> 78Se34 + 58Fe26 + 130.334 MeV [51.033 MeV] (A_Xe:104)
124Xe54 + 6 D* --> 80Se34 + 56Fe26 + 129.520 MeV [50.219 MeV] (A_Xe:105)
124Xe54 + 6 D* --> 82Se34 + 54Fe26 + 125.001 MeV [45.700 MeV] (A_Xe:106)
124Xe54 + 6 D* --> 81Br35 + 55Mn25 + 126.840 MeV [47.539 MeV] (A_Xe:107)
124Xe54 + 6 D* --> 82Kr36 + 54Cr24 + 128.676 MeV [49.376 MeV] (A_Xe:108)
124Xe54 + 6 D* --> 83Kr36 + 53Cr24 + 126.421 MeV [47.120 MeV] (A_Xe:109)
124Xe54 + 6 D* --> 84Kr36 + 52Cr24 + 129.002 MeV [49.702 MeV] (A_Xe:110)
124Xe54 + 6 D* --> 86Kr36 + 50Cr24 + 124.679 MeV [45.379 MeV] (A_Xe:111)
124Xe54 + 6 D* --> 85Rb37 + 51V23 + 125.523 MeV [46.222 MeV] (A_Xe:112)

124Xe54 + 6 D* --> 86Sr38 + 50Ti22 + 127.104 MeV [47.804 MeV] (A_Xe:113)
124Xe54 + 6 D* --> 87Sr38 + 49Ti22 + 124.593 MeV [45.293 MeV] (A_Xe:114)
124Xe54 + 6 D* --> 88Sr38 + 48Ti22 + 127.564 MeV [48.263 MeV] (A_Xe:115)
124Xe54 + 6 D* --> 90Zr40 + 46Ca20 + 123.057 MeV [43.756 MeV] (A_Xe:116)
124Xe54 + 6 D* --> 92Zr40 + 44Ca20 + 121.077 MeV [41.776 MeV] (A_Xe:117)
124Xe54 + 6 D* --> 94Zr40 + 42Ca20 + 116.968 MeV [37.668 MeV] (A_Xe:118)
124Xe54 + 6 D* --> 96Zr40 + 40Ca20 + 111.443 MeV [32.143 MeV] (A_Xe:119)
124Xe54 + 6 D* --> 96Mo42 + 40Ar18 + 114.985 MeV [35.684 MeV] (A_Xe:120)
124Xe54 + 6 D* --> 98Mo42 + 38Ar18 + 113.981 MeV [34.680 MeV] (A_Xe:121)
124Xe54 + 6 D* --> 100Mo42 + 36Ar18 + 107.570 MeV [28.270 MeV] (A_Xe:122)
124Xe54 + 6 D* --> 100Ru44 + 36S16 + 111.037 MeV [31.737 MeV] (A_Xe:123)
124Xe54 + 6 D* --> 102Ru44 + 34S16 + 110.184 MeV [30.884 MeV] (A_Xe:124)
124Xe54 + 6 D* --> 104Ru44 + 32S16 + 105.259 MeV [25.958 MeV] (A_Xe:125)
124Xe54 + 6 D* --> 106Pd46 + 30Si14 + 105.490 MeV [26.189 MeV] (A_Xe:126)
124Xe54 + 6 D* --> 108Pd46 + 28Si14 + 102.171 MeV [22.871 MeV] (A_Xe:127)
124Xe54 + 6 D* --> 109Ag47 + 27Al13 + 97.074 MeV [17.773 MeV] (A_Xe:128)
124Xe54 + 6 D* --> 110Cd48 + 26Mg12 + 97.722 MeV [18.421 MeV] (A_Xe:129)
124Xe54 + 6 D* --> 111Cd48 + 25Mg12 + 93.605 MeV [14.304 MeV] (A_Xe:130)
124Xe54 + 6 D* --> 112Cd48 + 24Mg12 + 95.668 MeV [16.368 MeV] (A_Xe:131)
124Xe54 + 6 D* --> 113In49 + 23Na11 + 90.054 MeV [10.753 MeV] (A_Xe:132)
124Xe54 + 6 D* --> 114Sn50 + 22Ne10 + 89.740 MeV [10.439 MeV] (A_Xe:133)
124Xe54 + 6 D* --> 115Sn50 + 21Ne10 + 86.922 MeV [7.621 MeV] (A_Xe:134)
124Xe54 + 6 D* --> 116Sn50 + 20Ne10 + 89.724 MeV [10.424 MeV] (A_Xe:135)
124Xe54 + 6 D* --> 120Te52 + 16O8 + 85.296 MeV [5.995 MeV] (A_Xe:136)
124Xe54 + 6 D* --> 124Xe54 + 12C6 + 78.814 MeV [-0.486 MeV] (A_Xe:137)

124Xe54 + 7 D* --> 71Ga31 + 67Zn30 + 142.311 MeV [48.682 MeV] (A_Xe:138)
124Xe54 + 7 D* --> 73Ge32 + 65Cu29 + 142.851 MeV [49.223 MeV] (A_Xe:139)
124Xe54 + 7 D* --> 81Br35 + 57Fe26 + 142.445 MeV [48.816 MeV] (A_Xe:140)
124Xe54 + 7 D* --> 83Kr36 + 55Mn25 + 141.982 MeV [48.354 MeV] (A_Xe:141)
124Xe54 + 7 D* --> 85Rb37 + 53Cr24 + 141.742 MeV [48.113 MeV] (A_Xe:142)
124Xe54 + 7 D* --> 87Sr38 + 51V23 + 141.372 MeV [47.743 MeV] (A_Xe:143)
124Xe54 + 7 D* --> 88Sr38 + 50V23 + 141.433 MeV [47.805 MeV] (A_Xe:144)
124Xe54 + 7 D* --> 89Y39 + 49Ti22 + 140.550 MeV [46.922 MeV] (A_Xe:145)
124Xe54 + 7 D* --> 97Mo42 + 41K19 + 127.389 MeV [33.761 MeV] (A_Xe:146)
124Xe54 + 7 D* --> 98Mo42 + 40K19 + 125.937 MeV [32.308 MeV] (A_Xe:147)
124Xe54 + 7 D* --> 101Ru44 + 37Cl17 + 124.001 MeV [30.373 MeV] (A_Xe:148)
124Xe54 + 7 D* --> 109Ag47 + 29Si14 + 114.908 MeV [21.279 MeV] (A_Xe:149)
124Xe54 + 7 D* --> 111Cd48 + 27Al13 + 110.744 MeV [17.115 MeV] (A_Xe:150)
124Xe54 + 7 D* --> 113In49 + 25Mg12 + 106.852 MeV [13.224 MeV] (A_Xe:151)
124Xe54 + 7 D* --> 115Sn50 + 23Na11 + 103.856 MeV [10.227 MeV] (A_Xe:152)
124Xe54 + 7 D* --> 124Xe54 + 14N7 + 89.087 MeV [-4.542 MeV] (A_Xe:153)

124Xe54 + 8 D* --> 70Zn30 + 70Ge32 + 157.553 MeV [49.286 MeV] (A_Xe:154)
124Xe54 + 8 D* --> 71Ga31 + 69Ga31 + 156.894 MeV [48.627 MeV] (A_Xe:155)
124Xe54 + 8 D* --> 70Ge32 + 70Zn30 + 157.553 MeV [49.286 MeV] (A_Xe:156)
124Xe54 + 8 D* --> 72Ge32 + 68Zn30 + 160.019 MeV [51.752 MeV] (A_Xe:157)
124Xe54 + 8 D* --> 73Ge32 + 67Zn30 + 156.604 MeV [48.337 MeV] (A_Xe:158)
124Xe54 + 8 D* --> 74Ge32 + 66Zn30 + 159.748 MeV [51.480 MeV] (A_Xe:159)
124Xe54 + 8 D* --> 76Ge32 + 64Zn30 + 156.642 MeV [48.375 MeV] (A_Xe:160)
124Xe54 + 8 D* --> 75As33 + 65Cu29 + 157.722 MeV [49.455 MeV] (A_Xe:161)
124Xe54 + 8 D* --> 76Se34 + 64Ni28 + 159.777 MeV [51.510 MeV] (A_Xe:162)
124Xe54 + 8 D* --> 78Se34 + 62Ni28 + 161.198 MeV [52.931 MeV] (A_Xe:163)
124Xe54 + 8 D* --> 80Se34 + 60Ni28 + 159.658 MeV [51.391 MeV] (A_Xe:164)

124Xe54 + 8 D* --> 82Se34 + 58Ni28 + 155.247 MeV [46.980 MeV] (A_Xe:165)
124Xe54 + 8 D* --> 81Br35 + 59Co27 + 157.629 MeV [49.362 MeV] (A_Xe:166)
124Xe54 + 8 D* --> 82Kr36 + 58Fe26 + 160.169 MeV [51.902 MeV] (A_Xe:167)
124Xe54 + 8 D* --> 83Kr36 + 57Fe26 + 157.588 MeV [49.320 MeV] (A_Xe:168)
124Xe54 + 8 D* --> 84Kr36 + 56Fe26 + 160.462 MeV [52.195 MeV] (A_Xe:169)
124Xe54 + 8 D* --> 86Kr36 + 54Fe26 + 156.944 MeV [48.677 MeV] (A_Xe:170)
124Xe54 + 8 D* --> 85Rb37 + 55Mn25 + 157.304 MeV [49.037 MeV] (A_Xe:171)
124Xe54 + 8 D* --> 86Sr38 + 54Cr24 + 158.882 MeV [50.615 MeV] (A_Xe:172)
124Xe54 + 8 D* --> 87Sr38 + 53Cr24 + 157.591 MeV [49.324 MeV] (A_Xe:173)
124Xe54 + 8 D* --> 88Sr38 + 52Cr24 + 160.764 MeV [52.497 MeV] (A_Xe:174)
124Xe54 + 8 D* --> 89Y39 + 51V23 + 157.329 MeV [49.062 MeV] (A_Xe:175)
124Xe54 + 8 D* --> 90Zr40 + 50Ti22 + 157.620 MeV [49.353 MeV] (A_Xe:176)
124Xe54 + 8 D* --> 91Zr40 + 49Ti22 + 153.875 MeV [45.608 MeV] (A_Xe:177)
124Xe54 + 8 D* --> 92Zr40 + 48Ti22 + 154.367 MeV [46.100 MeV] (A_Xe:178)
124Xe54 + 8 D* --> 94Zr40 + 46Ti22 + 148.816 MeV [40.549 MeV] (A_Xe:179)
124Xe54 + 8 D* --> 92Mo42 + 48Ca20 + 148.445 MeV [40.178 MeV] (A_Xe:180)
124Xe54 + 8 D* --> 94Mo42 + 46Ca20 + 148.970 MeV [40.703 MeV] (A_Xe:181)
124Xe54 + 8 D* --> 96Mo42 + 44Ca20 + 147.685 MeV [39.418 MeV] (A_Xe:182)
124Xe54 + 8 D* --> 97Mo42 + 43Ca20 + 143.375 MeV [35.108 MeV] (A_Xe:183)
124Xe54 + 8 D* --> 98Mo42 + 42Ca20 + 144.084 MeV [35.817 MeV] (A_Xe:184)
124Xe54 + 8 D* --> 100Mo42 + 40Ca20 + 138.456 MeV [30.189 MeV] (A_Xe:185)
124Xe54 + 8 D* --> 100Ru44 + 40Ar18 + 141.685 MeV [33.418 MeV] (A_Xe:186)
124Xe54 + 8 D* --> 102Ru44 + 38Ar18 + 141.238 MeV [32.971 MeV] (A_Xe:187)
124Xe54 + 8 D* --> 104Ru44 + 36Ar18 + 135.746 MeV [27.479 MeV] (A_Xe:188)
124Xe54 + 8 D* --> 103Rh45 + 37Cl17 + 137.209 MeV [28.942 MeV] (A_Xe:189)
124Xe54 + 8 D* --> 104Pd46 + 36S16 + 137.480 MeV [29.213 MeV] (A_Xe:190)
124Xe54 + 8 D* --> 106Pd46 + 34S16 + 137.260 MeV [28.993 MeV] (A_Xe:191)
124Xe54 + 8 D* --> 108Pd46 + 32S16 + 132.966 MeV [24.699 MeV] (A_Xe:192)
124Xe54 + 8 D* --> 109Ag47 + 31P15 + 130.589 MeV [22.322 MeV] (A_Xe:193)
124Xe54 + 8 D* --> 110Cd48 + 30Si14 + 132.212 MeV [23.945 MeV] (A_Xe:194)
124Xe54 + 8 D* --> 111Cd48 + 29Si14 + 128.578 MeV [20.311 MeV] (A_Xe:195)
124Xe54 + 8 D* --> 112Cd48 + 28Si14 + 129.499 MeV [21.232 MeV] (A_Xe:196)
124Xe54 + 8 D* --> 113In49 + 27Al13 + 123.992 MeV [15.725 MeV] (A_Xe:197)
124Xe54 + 8 D* --> 114Sn50 + 26Mg12 + 124.201 MeV [15.934 MeV] (A_Xe:198)
124Xe54 + 8 D* --> 115Sn50 + 25Mg12 + 120.654 MeV [12.387 MeV] (A_Xe:199)
124Xe54 + 8 D* --> 116Sn50 + 24Mg12 + 122.887 MeV [14.620 MeV] (A_Xe:200)
124Xe54 + 8 D* --> 120Te52 + 20Ne10 + 113.872 MeV [5.605 MeV] (A_Xe:201)
124Xe54 + 8 D* --> 124Xe54 + 16O8 + 109.823 MeV [1.556 MeV] (A_Xe:202)

124Xe54 + 9 D* --> 73Ge32 + 69Ga31 + 171.187 MeV [47.973 MeV] (A_Xe:203)
124Xe54 + 9 D* --> 75As33 + 67Zn30 + 171.474 MeV [48.261 MeV] (A_Xe:204)
124Xe54 + 9 D* --> 77Se34 + 65Cu29 + 172.425 MeV [49.211 MeV] (A_Xe:205)
124Xe54 + 9 D* --> 81Br35 + 61Ni28 + 172.757 MeV [49.544 MeV] (A_Xe:206)
124Xe54 + 9 D* --> 83Kr36 + 59Co27 + 172.772 MeV [49.558 MeV] (A_Xe:207)
124Xe54 + 9 D* --> 85Rb37 + 57Fe26 + 172.909 MeV [49.696 MeV] (A_Xe:208)
124Xe54 + 9 D* --> 87Sr38 + 55Mn25 + 173.152 MeV [49.939 MeV] (A_Xe:209)
124Xe54 + 9 D* --> 89Y39 + 53Cr24 + 173.548 MeV [50.335 MeV] (A_Xe:210)
124Xe54 + 9 D* --> 91Zr40 + 51V23 + 170.653 MeV [47.440 MeV] (A_Xe:211)
124Xe54 + 9 D* --> 92Zr40 + 50V23 + 168.237 MeV [45.024 MeV] (A_Xe:212)
124Xe54 + 9 D* --> 93Nb41 + 49Ti22 + 166.328 MeV [43.115 MeV] (A_Xe:213)
124Xe54 + 9 D* --> 97Mo42 + 45Sc21 + 159.170 MeV [35.956 MeV] (A_Xe:214)
124Xe54 + 9 D* --> 101Ru44 + 41K19 + 154.070 MeV [30.857 MeV] (A_Xe:215)
124Xe54 + 9 D* --> 102Ru44 + 40K19 + 153.195 MeV [29.981 MeV] (A_Xe:216)
124Xe54 + 9 D* --> 105Pd46 + 37Cl17 + 150.736 MeV [27.523 MeV] (A_Xe:217)

124Xe54 + 9 D* --> 109Ag47 + 33S16 + 145.870 MeV [22.657 MeV] (A_Xe:218)
124Xe54 + 9 D* --> 111Cd48 + 31P15 + 144.260 MeV [21.047 MeV] (A_Xe:219)
124Xe54 + 9 D* --> 113In49 + 29Si14 + 141.826 MeV [18.613 MeV] (A_Xe:220)
124Xe54 + 9 D* --> 115Sn50 + 27Al13 + 137.794 MeV [14.581 MeV] (A_Xe:221)

124Xe54 + 10 D* --> 72Ge32 + 72Ge32 + 188.869 MeV [50.404 MeV] (A_Xe:222)
124Xe54 + 10 D* --> 74Ge32 + 70Ge32 + 187.683 MeV [49.218 MeV] (A_Xe:223)
124Xe54 + 10 D* --> 75As33 + 69Ga31 + 186.057 MeV [47.593 MeV] (A_Xe:224)
124Xe54 + 10 D* --> 74Se34 + 70Zn30 + 185.474 MeV [47.010 MeV] (A_Xe:225)
124Xe54 + 10 D* --> 76Se34 + 68Zn30 + 188.956 MeV [50.492 MeV] (A_Xe:226)
124Xe54 + 10 D* --> 77Se34 + 67Zn30 + 186.177 MeV [47.713 MeV] (A_Xe:227)
124Xe54 + 10 D* --> 78Se34 + 66Zn30 + 189.623 MeV [51.158 MeV] (A_Xe:228)
124Xe54 + 10 D* --> 80Se34 + 64Zn30 + 187.461 MeV [48.996 MeV] (A_Xe:229)
124Xe54 + 10 D* --> 79Br35 + 65Cu29 + 187.029 MeV [48.565 MeV] (A_Xe:230)
124Xe54 + 10 D* --> 81Br35 + 63Cu29 + 187.251 MeV [48.787 MeV] (A_Xe:231)
124Xe54 + 10 D* --> 80Kr36 + 64Ni28 + 188.689 MeV [50.224 MeV] (A_Xe:232)
124Xe54 + 10 D* --> 82Kr36 + 62Ni28 + 191.033 MeV [52.568 MeV] (A_Xe:233)
124Xe54 + 10 D* --> 83Kr36 + 61Ni28 + 187.900 MeV [49.435 MeV] (A_Xe:234)
124Xe54 + 10 D* --> 84Kr36 + 60Ni28 + 190.600 MeV [52.136 MeV] (A_Xe:235)
124Xe54 + 10 D* --> 86Kr36 + 58Ni28 + 187.190 MeV [48.726 MeV] (A_Xe:236)
124Xe54 + 10 D* --> 85Rb37 + 59Co27 + 188.093 MeV [49.628 MeV] (A_Xe:237)
124Xe54 + 10 D* --> 86Sr38 + 58Fe26 + 190.374 MeV [51.909 MeV] (A_Xe:238)
124Xe54 + 10 D* --> 87Sr38 + 57Fe26 + 188.758 MeV [50.293 MeV] (A_Xe:239)
124Xe54 + 10 D* --> 88Sr38 + 56Fe26 + 192.224 MeV [53.760 MeV] (A_Xe:240)
124Xe54 + 10 D* --> 89Y39 + 55Mn25 + 189.109 MeV [50.645 MeV] (A_Xe:241)
124Xe54 + 10 D* --> 90Zr40 + 54Cr24 + 189.397 MeV [50.932 MeV] (A_Xe:242)
124Xe54 + 10 D* --> 91Zr40 + 53Cr24 + 186.872 MeV [48.408 MeV] (A_Xe:243)
124Xe54 + 10 D* --> 92Zr40 + 52Cr24 + 187.568 MeV [49.103 MeV] (A_Xe:244)
124Xe54 + 10 D* --> 94Zr40 + 50Cr24 + 181.223 MeV [42.759 MeV] (A_Xe:245)
124Xe54 + 10 D* --> 93Nb41 + 51V23 + 183.107 MeV [44.642 MeV] (A_Xe:246)
124Xe54 + 10 D* --> 94Mo42 + 50Ti22 + 183.533 MeV [45.069 MeV] (A_Xe:247)
124Xe54 + 10 D* --> 95Mo42 + 49Ti22 + 179.963 MeV [41.499 MeV] (A_Xe:248)
124Xe54 + 10 D* --> 96Mo42 + 48Ti22 + 180.975 MeV [42.511 MeV] (A_Xe:249)
124Xe54 + 10 D* --> 97Mo42 + 47Ti22 + 176.170 MeV [37.705 MeV] (A_Xe:250)
124Xe54 + 10 D* --> 98Mo42 + 46Ti22 + 175.932 MeV [37.468 MeV] (A_Xe:251)
124Xe54 + 10 D* --> 96Ru44 + 48Ca20 + 173.983 MeV [35.519 MeV] (A_Xe:252)
124Xe54 + 10 D* --> 98Ru44 + 46Ca20 + 175.057 MeV [36.592 MeV] (A_Xe:253)
124Xe54 + 10 D* --> 100Ru44 + 44Ca20 + 174.385 MeV [35.920 MeV] (A_Xe:254)
124Xe54 + 10 D* --> 101Ru44 + 43Ca20 + 170.055 MeV [31.591 MeV] (A_Xe:255)
124Xe54 + 10 D* --> 102Ru44 + 42Ca20 + 171.342 MeV [32.878 MeV] (A_Xe:256)
124Xe54 + 10 D* --> 104Ru44 + 40Ca20 + 166.632 MeV [28.168 MeV] (A_Xe:257)
124Xe54 + 10 D* --> 103Rh45 + 41K19 + 167.278 MeV [28.814 MeV] (A_Xe:258)
124Xe54 + 10 D* --> 104Pd46 + 40Ar18 + 168.127 MeV [29.662 MeV] (A_Xe:259)
124Xe54 + 10 D* --> 106Pd46 + 38Ar18 + 168.314 MeV [29.850 MeV] (A_Xe:260)
124Xe54 + 10 D* --> 108Pd46 + 36Ar18 + 163.453 MeV [24.988 MeV] (A_Xe:261)
124Xe54 + 10 D* --> 107Ag47 + 37Cl17 + 163.860 MeV [25.396 MeV] (A_Xe:262)
124Xe54 + 10 D* --> 109Ag47 + 35Cl17 + 161.433 MeV [22.969 MeV] (A_Xe:263)
124Xe54 + 10 D* --> 108Cd48 + 36S16 + 163.614 MeV [25.149 MeV] (A_Xe:264)
124Xe54 + 10 D* --> 110Cd48 + 34S16 + 163.982 MeV [25.517 MeV] (A_Xe:265)
124Xe54 + 10 D* --> 111Cd48 + 33S16 + 159.541 MeV [21.076 MeV] (A_Xe:266)
124Xe54 + 10 D* --> 112Cd48 + 32S16 + 160.293 MeV [21.829 MeV] (A_Xe:267)
124Xe54 + 10 D* --> 113In49 + 31P15 + 157.508 MeV [19.043 MeV] (A_Xe:268)
124Xe54 + 10 D* --> 114Sn50 + 30Si14 + 158.691 MeV [20.226 MeV] (A_Xe:269)
124Xe54 + 10 D* --> 115Sn50 + 29Si14 + 155.628 MeV [17.164 MeV] (A_Xe:270)

124Xe54 + 10 D* --> 116Sn50 + 28Si14 + 156.718 MeV [18.253 MeV] (A_Xe:271)
124Xe54 + 10 D* --> 120Te52 + 24Mg12 + 147.035 MeV [8.571 MeV] (A_Xe:272)
124Xe54 + 10 D* --> 124Xe54 + 20Ne10 + 138.399 MeV [-0.065 MeV] (A_Xe:273)

124Xe54 + 11 D* --> 77Se34 + 69Ga31 + 200.760 MeV [46.741 MeV] (A_Xe:274)
124Xe54 + 11 D* --> 79Br35 + 67Zn30 + 200.782 MeV [46.763 MeV] (A_Xe:275)
124Xe54 + 11 D* --> 83Kr36 + 63Cu29 + 202.394 MeV [48.375 MeV] (A_Xe:276)
124Xe54 + 11 D* --> 85Rb37 + 61Ni28 + 203.221 MeV [49.202 MeV] (A_Xe:277)
124Xe54 + 11 D* --> 87Sr38 + 59Co27 + 203.942 MeV [49.923 MeV] (A_Xe:278)
124Xe54 + 11 D* --> 89Y39 + 57Fe26 + 204.715 MeV [50.696 MeV] (A_Xe:279)
124Xe54 + 11 D* --> 91Zr40 + 55Mn25 + 202.434 MeV [48.415 MeV] (A_Xe:280)
124Xe54 + 11 D* --> 93Nb41 + 53Cr24 + 199.326 MeV [45.307 MeV] (A_Xe:281)
124Xe54 + 11 D* --> 95Mo42 + 51V23 + 196.742 MeV [42.723 MeV] (A_Xe:282)
124Xe54 + 11 D* --> 96Mo42 + 50V23 + 194.845 MeV [40.826 MeV] (A_Xe:283)
124Xe54 + 11 D* --> 101Ru44 + 45Sc21 + 185.850 MeV [31.831 MeV] (A_Xe:284)
124Xe54 + 11 D* --> 103Rh45 + 43Ca20 + 183.264 MeV [29.245 MeV] (A_Xe:285)
124Xe54 + 11 D* --> 105Pd46 + 41K19 + 180.805 MeV [26.786 MeV] (A_Xe:286)
124Xe54 + 11 D* --> 106Pd46 + 40K19 + 180.271 MeV [26.252 MeV] (A_Xe:287)
124Xe54 + 11 D* --> 111Cd48 + 35Cl17 + 175.104 MeV [21.085 MeV] (A_Xe:288)
124Xe54 + 11 D* --> 113In49 + 33S16 + 172.788 MeV [18.769 MeV] (A_Xe:289)
124Xe54 + 11 D* --> 115Sn50 + 31P15 + 171.310 MeV [17.291 MeV] (A_Xe:290)

124Xe54 + 12 D* --> 74Ge32 + 74Se34 + 215.604 MeV [45.730 MeV] (A_Xe:291)
124Xe54 + 12 D* --> 74Se34 + 74Ge32 + 215.604 MeV [45.730 MeV] (A_Xe:292)
124Xe54 + 12 D* --> 76Se34 + 72Ge32 + 217.807 MeV [47.933 MeV] (A_Xe:293)
124Xe54 + 12 D* --> 78Se34 + 70Ge32 + 217.558 MeV [47.684 MeV] (A_Xe:294)
124Xe54 + 12 D* --> 79Br35 + 69Ga31 + 215.365 MeV [45.491 MeV] (A_Xe:295)
124Xe54 + 12 D* --> 78Kr36 + 70Zn30 + 213.713 MeV [43.839 MeV] (A_Xe:296)
124Xe54 + 12 D* --> 80Kr36 + 68Zn30 + 217.868 MeV [47.994 MeV] (A_Xe:297)
124Xe54 + 12 D* --> 82Kr36 + 66Zn30 + 219.457 MeV [49.584 MeV] (A_Xe:298)
124Xe54 + 12 D* --> 84Kr36 + 64Zn30 + 218.403 MeV [48.529 MeV] (A_Xe:299)
124Xe54 + 12 D* --> 85Rb37 + 63Cu29 + 217.715 MeV [47.842 MeV] (A_Xe:300)
124Xe54 + 12 D* --> 84Sr38 + 64Ni28 + 217.712 MeV [47.838 MeV] (A_Xe:301)
124Xe54 + 12 D* --> 86Sr38 + 62Ni28 + 221.238 MeV [51.364 MeV] (A_Xe:302)
124Xe54 + 12 D* --> 87Sr38 + 61Ni28 + 219.070 MeV [49.196 MeV] (A_Xe:303)
124Xe54 + 12 D* --> 88Sr38 + 60Ni28 + 222.362 MeV [52.489 MeV] (A_Xe:304)
124Xe54 + 12 D* --> 89Y39 + 59Co27 + 219.899 MeV [50.025 MeV] (A_Xe:305)
124Xe54 + 12 D* --> 90Zr40 + 58Fe26 + 220.889 MeV [51.015 MeV] (A_Xe:306)
124Xe54 + 12 D* --> 91Zr40 + 57Fe26 + 218.039 MeV [48.165 MeV] (A_Xe:307)
124Xe54 + 12 D* --> 92Zr40 + 56Fe26 + 219.028 MeV [49.154 MeV] (A_Xe:308)
124Xe54 + 12 D* --> 94Zr40 + 54Fe26 + 213.488 MeV [43.614 MeV] (A_Xe:309)
124Xe54 + 12 D* --> 93Nb41 + 55Mn25 + 214.887 MeV [45.014 MeV] (A_Xe:310)
124Xe54 + 12 D* --> 94Mo42 + 54Cr24 + 215.311 MeV [45.437 MeV] (A_Xe:311)
124Xe54 + 12 D* --> 95Mo42 + 53Cr24 + 212.961 MeV [43.087 MeV] (A_Xe:312)
124Xe54 + 12 D* --> 96Mo42 + 52Cr24 + 214.176 MeV [44.302 MeV] (A_Xe:313)
124Xe54 + 12 D* --> 98Mo42 + 50Cr24 + 208.340 MeV [38.466 MeV] (A_Xe:314)
124Xe54 + 12 D* --> 98Ru44 + 50Ti22 + 209.620 MeV [39.746 MeV] (A_Xe:315)
124Xe54 + 12 D* --> 99Ru44 + 49Ti22 + 206.144 MeV [36.270 MeV] (A_Xe:316)
124Xe54 + 12 D* --> 100Ru44 + 48Ti22 + 207.675 MeV [37.801 MeV] (A_Xe:317)
124Xe54 + 12 D* --> 101Ru44 + 47Ti22 + 202.851 MeV [32.977 MeV] (A_Xe:318)
124Xe54 + 12 D* --> 102Ru44 + 46Ti22 + 203.190 MeV [33.316 MeV] (A_Xe:319)
124Xe54 + 12 D* --> 103Rh45 + 45Sc21 + 199.059 MeV [29.185 MeV] (A_Xe:320)
124Xe54 + 12 D* --> 102Pd46 + 46Ca20 + 201.029 MeV [31.155 MeV] (A_Xe:321)
124Xe54 + 12 D* --> 104Pd46 + 44Ca20 + 200.827 MeV [30.953 MeV] (A_Xe:322)

124Xe54 + 12 D* --> 105Pd46 + 43Ca20 + 196.790 MeV [26.916 MeV] (A_Xe:323)
124Xe54 + 12 D* --> 106Pd46 + 42Ca20 + 198.418 MeV [28.544 MeV] (A_Xe:324)
124Xe54 + 12 D* --> 108Pd46 + 40Ca20 + 194.339 MeV [24.465 MeV] (A_Xe:325)
124Xe54 + 12 D* --> 107Ag47 + 41K19 + 193.929 MeV [24.056 MeV] (A_Xe:326)
124Xe54 + 12 D* --> 109Ag47 + 39K19 + 192.498 MeV [22.624 MeV] (A_Xe:327)
124Xe54 + 12 D* --> 108Cd48 + 40Ar18 + 194.261 MeV [24.387 MeV] (A_Xe:328)
124Xe54 + 12 D* --> 110Cd48 + 38Ar18 + 195.036 MeV [25.162 MeV] (A_Xe:329)
124Xe54 + 12 D* --> 112Cd48 + 36Ar18 + 190.781 MeV [20.907 MeV] (A_Xe:330)
124Xe54 + 12 D* --> 113In49 + 35Cl17 + 188.352 MeV [18.478 MeV] (A_Xe:331)
124Xe54 + 12 D* --> 112Sn50 + 36S16 + 189.294 MeV [19.420 MeV] (A_Xe:332)
124Xe54 + 12 D* --> 114Sn50 + 34S16 + 190.461 MeV [20.587 MeV] (A_Xe:333)
124Xe54 + 12 D* --> 115Sn50 + 33S16 + 186.591 MeV [16.717 MeV] (A_Xe:334)
124Xe54 + 12 D* --> 116Sn50 + 32S16 + 187.512 MeV [17.639 MeV] (A_Xe:335)
124Xe54 + 12 D* --> 120Te52 + 28Si14 + 180.866 MeV [10.992 MeV] (A_Xe:336)
124Xe54 + 12 D* --> 124Xe54 + 24Mg12 + 171.562 MeV [1.688 MeV] (A_Xe:337)

126Xe54 + D* --> 113Cd48 + 15N7 + 12.915 MeV [00.571 MeV] (A_Xe:338)
126Xe54 + D* --> 114Cd48 + 14N7 + 11.125 MeV [-1.219 MeV] (A_Xe:339)
126Xe54 + D* --> 115In49 + 13C6 + 10.379 MeV [-1.965 MeV] (A_Xe:340)
126Xe54 + D* --> 117Sn50 + 11B5 + 5.699 MeV [-6.644 MeV] (A_Xe:341)
126Xe54 + D* --> 118Sn50 + 10B5 + 3.573 MeV [-8.771 MeV] (A_Xe:342)
126Xe54 + D* --> 122Te52 + 6Li3 + 00.194 MeV [-12.149 MeV] (A_Xe:343)

126Xe54 + 2 D* --> 76Ge32 + 54Cr24 + 67.249 MeV [42.234 MeV] (A_Xe:344)
126Xe54 + 2 D* --> 80Se34 + 50Ti22 + 66.290 MeV [41.275 MeV] (A_Xe:345)
126Xe54 + 2 D* --> 82Se34 + 48Ti22 + 63.185 MeV [38.170 MeV] (A_Xe:346)
126Xe54 + 2 D* --> 82Kr36 + 48Ca20 + 61.907 MeV [36.892 MeV] (A_Xe:347)
126Xe54 + 2 D* --> 84Kr36 + 46Ca20 + 62.669 MeV [37.654 MeV] (A_Xe:348)
126Xe54 + 2 D* --> 86Kr36 + 44Ca20 + 61.837 MeV [36.822 MeV] (A_Xe:349)
126Xe54 + 2 D* --> 94Zr40 + 36S16 + 55.034 MeV [30.019 MeV] (A_Xe:350)
126Xe54 + 2 D* --> 96Zr40 + 34S16 + 52.477 MeV [27.463 MeV] (A_Xe:351)
126Xe54 + 2 D* --> 100Mo42 + 30Si14 + 47.720 MeV [22.705 MeV] (A_Xe:352)
126Xe54 + 2 D* --> 104Ru44 + 26Mg12 + 41.406 MeV [16.392 MeV] (A_Xe:353)
126Xe54 + 2 D* --> 108Pd46 + 22Ne10 + 34.652 MeV [9.637 MeV] (A_Xe:354)
126Xe54 + 2 D* --> 110Pd46 + 20Ne10 + 32.494 MeV [7.479 MeV] (A_Xe:355)
126Xe54 + 2 D* --> 112Cd48 + 18O8 + 28.465 MeV [3.450 MeV] (A_Xe:356)
126Xe54 + 2 D* --> 113Cd48 + 17O8 + 26.961 MeV [1.946 MeV] (A_Xe:357)
126Xe54 + 2 D* --> 114Cd48 + 16O8 + 31.861 MeV [6.846 MeV] (A_Xe:358)
126Xe54 + 2 D* --> 115In49 + 15N7 + 26.538 MeV [1.523 MeV] (A_Xe:359)
126Xe54 + 2 D* --> 117Sn50 + 13C6 + 24.378 MeV [-0.637 MeV] (A_Xe:360)
126Xe54 + 2 D* --> 118Sn50 + 12C6 + 28.759 MeV [3.744 MeV] (A_Xe:361)
126Xe54 + 2 D* --> 126Xe54 + 4He2 + 23.847 MeV [-1.168 MeV] (A_Xe:362)
126Xe54 + 2 D* --> 130Ba56 + 24.365 MeV [-0.650 MeV] (A_Xe:363)

126Xe54 + 3 D* --> 82Se34 + 50V23 + 77.054 MeV [39.044 MeV] (A_Xe:364)
126Xe54 + 3 D* --> 113Cd48 + 19F9 + 40.775 MeV [2.765 MeV] (A_Xe:365)
126Xe54 + 3 D* --> 115In49 + 17O8 + 40.584 MeV [2.574 MeV] (A_Xe:366)
126Xe54 + 3 D* --> 117Sn50 + 15N7 + 40.537 MeV [2.527 MeV] (A_Xe:367)
126Xe54 + 3 D* --> 118Sn50 + 14N7 + 39.031 MeV [1.021 MeV] (A_Xe:368)
126Xe54 + 3 D* --> 122Te52 + 10B5 + 28.502 MeV [-9.509 MeV] (A_Xe:369)
126Xe54 + 3 D* --> 126Xe54 + 6Li3 + 25.320 MeV [-12.690 MeV] (A_Xe:370)
126Xe54 + 3 D* --> 130Ba56 + 2H1 + 24.365 MeV [-13.646 MeV] (A_Xe:371)

126Xe54 + 4 D* --> 70Zn30 + 64Ni28 + 100.038 MeV [48.711 MeV] (A_Xe:372)

126Xe54 + 4 D* --> 76Ge32 + 58Fe26 + 98.741 MeV [47.413 MeV] (A_Xe:373)
126Xe54 + 4 D* --> 80Se34 + 54Cr24 + 98.067 MeV [46.739 MeV] (A_Xe:374)
126Xe54 + 4 D* --> 82Se34 + 52Cr24 + 96.385 MeV [45.058 MeV] (A_Xe:375)
126Xe54 + 4 D* --> 84Kr36 + 50Ti22 + 97.232 MeV [45.904 MeV] (A_Xe:376)
126Xe54 + 4 D* --> 86Kr36 + 48Ti22 + 95.128 MeV [43.800 MeV] (A_Xe:377)
126Xe54 + 4 D* --> 86Sr38 + 48Ca20 + 92.112 MeV [40.784 MeV] (A_Xe:378)
126Xe54 + 4 D* --> 88Sr38 + 46Ca20 + 94.431 MeV [43.103 MeV] (A_Xe:379)
126Xe54 + 4 D* --> 94Zr40 + 40Ar18 + 85.681 MeV [34.353 MeV] (A_Xe:380)
126Xe54 + 4 D* --> 96Zr40 + 38Ar18 + 83.532 MeV [32.204 MeV] (A_Xe:381)
126Xe54 + 4 D* --> 98Mo42 + 36S16 + 82.150 MeV [30.822 MeV] (A_Xe:382)
126Xe54 + 4 D* --> 100Mo42 + 34S16 + 79.490 MeV [28.163 MeV] (A_Xe:383)
126Xe54 + 4 D* --> 104Ru44 + 30Si14 + 75.896 MeV [24.568 MeV] (A_Xe:384)
126Xe54 + 4 D* --> 108Pd46 + 26Mg12 + 69.113 MeV [17.785 MeV] (A_Xe:385)
126Xe54 + 4 D* --> 110Pd46 + 24Mg12 + 65.657 MeV [14.329 MeV] (A_Xe:386)
126Xe54 + 4 D* --> 112Cd48 + 22Ne10 + 61.980 MeV [10.652 MeV] (A_Xe:387)
126Xe54 + 4 D* --> 113Cd48 + 21Ne10 + 58.155 MeV [6.828 MeV] (A_Xe:388)
126Xe54 + 4 D* --> 114Cd48 + 20Ne10 + 60.437 MeV [9.109 MeV] (A_Xe:389)
126Xe54 + 4 D* --> 115In49 + 19F9 + 54.398 MeV [3.071 MeV] (A_Xe:390)
126Xe54 + 4 D* --> 116Sn50 + 18O8 + 55.684 MeV [4.356 MeV] (A_Xe:391)
126Xe54 + 4 D* --> 117Sn50 + 17O8 + 54.583 MeV [3.255 MeV] (A_Xe:392)
126Xe54 + 4 D* --> 118Sn50 + 16O8 + 59.767 MeV [8.440 MeV] (A_Xe:393)
126Xe54 + 4 D* --> 122Te52 + 12C6 + 53.688 MeV [2.361 MeV] (A_Xe:394)
126Xe54 + 4 D* --> 130Ba56 + 4He2 + 48.211 MeV [-3.117 MeV] (A_Xe:395)

126Xe54 + 5 D* --> 86Kr36 + 50V23 + 108.997 MeV [44.033 MeV] (A_Xe:396)
126Xe54 + 5 D* --> 87Rb37 + 49Ti22 + 109.667 MeV [44.703 MeV] (A_Xe:397)
126Xe54 + 5 D* --> 96Zr40 + 40K19 + 95.488 MeV [30.524 MeV] (A_Xe:398)
126Xe54 + 5 D* --> 113Cd48 + 23Na11 + 75.089 MeV [10.125 MeV] (A_Xe:399)
126Xe54 + 5 D* --> 115In49 + 21Ne10 + 71.778 MeV [6.815 MeV] (A_Xe:400)
126Xe54 + 5 D* --> 117Sn50 + 19F9 + 68.397 MeV [3.434 MeV] (A_Xe:401)
126Xe54 + 5 D* --> 122Te52 + 14N7 + 63.961 MeV [-1.003 MeV] (A_Xe:402)
126Xe54 + 5 D* --> 126Xe54 + 10B5 + 53.628 MeV [-11.336 MeV] (A_Xe:403)
126Xe54 + 5 D* --> 130Ba56 + 6Li3 + 49.685 MeV [-15.279 MeV] (A_Xe:404)

126Xe54 + 6 D* --> 70Zn30 + 68Zn30 + 129.218 MeV [50.302 MeV] (A_Xe:405)
126Xe54 + 6 D* --> 74Ge32 + 64Ni28 + 130.168 MeV [51.252 MeV] (A_Xe:406)
126Xe54 + 6 D* --> 76Ge32 + 62Ni28 + 129.605 MeV [50.689 MeV] (A_Xe:407)
126Xe54 + 6 D* --> 80Se34 + 58Fe26 + 129.559 MeV [50.644 MeV] (A_Xe:408)
126Xe54 + 6 D* --> 82Se34 + 56Fe26 + 127.845 MeV [48.930 MeV] (A_Xe:409)
126Xe54 + 6 D* --> 84Kr36 + 54Cr24 + 129.009 MeV [50.094 MeV] (A_Xe:410)
126Xe54 + 6 D* --> 86Kr36 + 52Cr24 + 128.328 MeV [49.413 MeV] (A_Xe:411)
126Xe54 + 6 D* --> 87Rb37 + 51V23 + 126.445 MeV [47.529 MeV] (A_Xe:412)
126Xe54 + 6 D* --> 88Sr38 + 50Ti22 + 128.994 MeV [50.079 MeV] (A_Xe:413)
126Xe54 + 6 D* --> 90Zr40 + 48Ca20 + 122.627 MeV [43.712 MeV] (A_Xe:414)
126Xe54 + 6 D* --> 92Zr40 + 46Ca20 + 121.235 MeV [42.319 MeV] (A_Xe:415)
126Xe54 + 6 D* --> 94Zr40 + 44Ca20 + 118.381 MeV [39.466 MeV] (A_Xe:416)
126Xe54 + 6 D* --> 96Zr40 + 42Ca20 + 113.636 MeV [34.720 MeV] (A_Xe:417)
126Xe54 + 6 D* --> 98Mo42 + 40Ar18 + 112.797 MeV [33.882 MeV] (A_Xe:418)
126Xe54 + 6 D* --> 100Mo42 + 38Ar18 + 110.545 MeV [31.629 MeV] (A_Xe:419)
126Xe54 + 6 D* --> 102Ru44 + 36S16 + 109.408 MeV [30.492 MeV] (A_Xe:420)
126Xe54 + 6 D* --> 104Ru44 + 34S16 + 107.666 MeV [28.751 MeV] (A_Xe:421)
126Xe54 + 6 D* --> 108Pd46 + 30Si14 + 103.603 MeV [24.687 MeV] (A_Xe:422)
126Xe54 + 6 D* --> 110Pd46 + 28Si14 + 99.488 MeV [20.572 MeV] (A_Xe:423)
126Xe54 + 6 D* --> 112Cd48 + 26Mg12 + 96.441 MeV [17.525 MeV] (A_Xe:424)

126Xe54 + 6 D* --> 113Cd48 + 25Mg12 + 91.888 MeV [12.972 MeV] (A_Xe:425)
126Xe54 + 6 D* --> 114Cd48 + 24Mg12 + 93.600 MeV [14.685 MeV] (A_Xe:426)
126Xe54 + 6 D* --> 115In49 + 23Na11 + 88.712 MeV [9.797 MeV] (A_Xe:427)
126Xe54 + 6 D* --> 116Sn50 + 22Ne10 + 89.199 MeV [10.283 MeV] (A_Xe:428)
126Xe54 + 6 D* --> 117Sn50 + 21Ne10 + 85.778 MeV [6.862 MeV] (A_Xe:429)
126Xe54 + 6 D* --> 118Sn50 + 20Ne10 + 88.344 MeV [9.428 MeV] (A_Xe:430)
126Xe54 + 6 D* --> 120Te52 + 18O8 + 79.832 MeV [00.916 MeV] (A_Xe:431)
126Xe54 + 6 D* --> 122Te52 + 16O8 + 84.697 MeV [5.781 MeV] (A_Xe:432)
126Xe54 + 6 D* --> 126Xe54 + 12C6 + 78.814 MeV [-0.101 MeV] (A_Xe:433)

126Xe54 + 7 D* --> 87Rb37 + 53Cr24 + 142.664 MeV [49.483 MeV] (A_Xe:434)
126Xe54 + 7 D* --> 100Mo42 + 40K19 + 122.501 MeV [29.320 MeV] (A_Xe:435)
126Xe54 + 7 D* --> 113Cd48 + 27Al13 + 109.027 MeV [15.847 MeV] (A_Xe:436)
126Xe54 + 7 D* --> 115In49 + 25Mg12 + 105.511 MeV [12.330 MeV] (A_Xe:437)
126Xe54 + 7 D* --> 117Sn50 + 23Na11 + 102.711 MeV [9.531 MeV] (A_Xe:438)
126Xe54 + 7 D* --> 126Xe54 + 14N7 + 89.087 MeV [-4.094 MeV] (A_Xe:439)
126Xe54 + 7 D* --> 130Ba56 + 10B5 + 77.992 MeV [-15.188 MeV] (A_Xe:440)

126Xe54 + 8 D* --> 71Ga31 + 71Ga31 + 156.198 MeV [48.441 MeV] (A_Xe:441)
126Xe54 + 8 D* --> 72Ge32 + 70Zn30 + 158.068 MeV [50.311 MeV] (A_Xe:442)
126Xe54 + 8 D* --> 74Ge32 + 68Zn30 + 159.347 MeV [51.591 MeV] (A_Xe:443)
126Xe54 + 8 D* --> 76Ge32 + 66Zn30 + 158.030 MeV [50.273 MeV] (A_Xe:444)
126Xe54 + 8 D* --> 78Se34 + 64Ni28 + 160.043 MeV [52.286 MeV] (A_Xe:445)
126Xe54 + 8 D* --> 80Se34 + 62Ni28 + 160.423 MeV [52.667 MeV] (A_Xe:446)
126Xe54 + 8 D* --> 82Se34 + 60Ni28 + 157.983 MeV [50.227 MeV] (A_Xe:447)
126Xe54 + 8 D* --> 84Kr36 + 58Fe26 + 160.502 MeV [52.745 MeV] (A_Xe:448)
126Xe54 + 8 D* --> 86Kr36 + 56Fe26 + 159.788 MeV [52.032 MeV] (A_Xe:449)
126Xe54 + 8 D* --> 87Rb37 + 55Mn25 + 158.226 MeV [50.469 MeV] (A_Xe:450)
126Xe54 + 8 D* --> 88Sr38 + 54Cr24 + 160.772 MeV [53.015 MeV] (A_Xe:451)
126Xe54 + 8 D* --> 92Zr40 + 50Ti22 + 155.798 MeV [48.041 MeV] (A_Xe:452)
126Xe54 + 8 D* --> 94Zr40 + 48Ti22 + 151.672 MeV [43.915 MeV] (A_Xe:453)
126Xe54 + 8 D* --> 96Zr40 + 46Ti22 + 145.483 MeV [37.727 MeV] (A_Xe:454)
126Xe54 + 8 D* --> 94Mo42 + 48Ca20 + 148.541 MeV [40.785 MeV] (A_Xe:455)
126Xe54 + 8 D* --> 96Mo42 + 46Ca20 + 147.843 MeV [40.086 MeV] (A_Xe:456)
126Xe54 + 8 D* --> 98Mo42 + 44Ca20 + 145.497 MeV [37.741 MeV] (A_Xe:457)
126Xe54 + 8 D* --> 100Mo42 + 42Ca20 + 140.649 MeV [32.892 MeV] (A_Xe:458)
126Xe54 + 8 D* --> 102Ru44 + 40Ar18 + 140.055 MeV [32.299 MeV] (A_Xe:459)
126Xe54 + 8 D* --> 104Ru44 + 38Ar18 + 138.721 MeV [30.964 MeV] (A_Xe:460)
126Xe54 + 8 D* --> 106Pd46 + 36S16 + 136.484 MeV [28.727 MeV] (A_Xe:461)
126Xe54 + 8 D* --> 108Pd46 + 34S16 + 135.373 MeV [27.617 MeV] (A_Xe:462)
126Xe54 + 8 D* --> 110Pd46 + 32S16 + 130.282 MeV [22.526 MeV] (A_Xe:463)
126Xe54 + 8 D* --> 112Cd48 + 30Si14 + 130.931 MeV [23.174 MeV] (A_Xe:464)
126Xe54 + 8 D* --> 113Cd48 + 29Si14 + 126.862 MeV [19.105 MeV] (A_Xe:465)
126Xe54 + 8 D* --> 114Cd48 + 28Si14 + 127.431 MeV [19.675 MeV] (A_Xe:466)
126Xe54 + 8 D* --> 115In49 + 27Al13 + 122.651 MeV [14.894 MeV] (A_Xe:467)
126Xe54 + 8 D* --> 116Sn50 + 26Mg12 + 123.660 MeV [15.904 MeV] (A_Xe:468)
126Xe54 + 8 D* --> 117Sn50 + 25Mg12 + 119.510 MeV [11.754 MeV] (A_Xe:469)
126Xe54 + 8 D* --> 118Sn50 + 24Mg12 + 121.507 MeV [13.751 MeV] (A_Xe:470)
126Xe54 + 8 D* --> 120Te52 + 22Ne10 + 113.347 MeV [5.590 MeV] (A_Xe:471)
126Xe54 + 8 D* --> 122Te52 + 20Ne10 + 113.273 MeV [5.517 MeV] (A_Xe:472)
126Xe54 + 8 D* --> 124Xe54 + 18O8 + 104.359 MeV [-3.397 MeV] (A_Xe:473)
126Xe54 + 8 D* --> 126Xe54 + 16O8 + 109.823 MeV [2.066 MeV] (A_Xe:474)
126Xe54 + 8 D* --> 130Ba56 + 12C6 + 103.179 MeV [-4.578 MeV] (A_Xe:475)

126Xe54 + 9 D* --> 73Ge32 + 71Ga31 + 170.491 MeV [47.851 MeV] (A_Xe:476)
126Xe54 + 9 D* --> 87Rb37 + 57Fe26 + 173.831 MeV [51.191 MeV] (A_Xe:477)
126Xe54 + 9 D* --> 94Zr40 + 50V23 + 165.541 MeV [42.901 MeV] (A_Xe:478)
126Xe54 + 9 D* --> 104Ru44 + 40K19 + 150.677 MeV [28.037 MeV] (A_Xe:479)
126Xe54 + 9 D* --> 113Cd48 + 31P15 + 142.543 MeV [19.903 MeV] (A_Xe:480)
126Xe54 + 9 D* --> 115In49 + 29Si14 + 140.485 MeV [17.845 MeV] (A_Xe:481)
126Xe54 + 9 D* --> 117Sn50 + 27Al13 + 136.650 MeV [14.009 MeV] (A_Xe:482)
126Xe54 + 9 D* --> 130Ba56 + 14N7 + 113.451 MeV [-9.189 MeV] (A_Xe:483)

126Xe54 + 10 D* --> 73Ge32 + 73Ge32 + 184.784 MeV [46.954 MeV] (A_Xe:484)
126Xe54 + 10 D* --> 74Ge32 + 72Ge32 + 188.197 MeV [50.368 MeV] (A_Xe:485)
126Xe54 + 10 D* --> 76Ge32 + 70Ge32 + 185.965 MeV [48.135 MeV] (A_Xe:486)
126Xe54 + 10 D* --> 75As33 + 71Ga31 + 185.361 MeV [47.532 MeV] (A_Xe:487)
126Xe54 + 10 D* --> 76Se34 + 70Zn30 + 187.005 MeV [49.176 MeV] (A_Xe:488)
126Xe54 + 10 D* --> 78Se34 + 68Zn30 + 189.222 MeV [51.393 MeV] (A_Xe:489)
126Xe54 + 10 D* --> 80Se34 + 66Zn30 + 188.848 MeV [51.019 MeV] (A_Xe:490)
126Xe54 + 10 D* --> 82Se34 + 64Zn30 + 185.786 MeV [47.957 MeV] (A_Xe:491)
126Xe54 + 10 D* --> 81Br35 + 65Cu29 + 187.427 MeV [49.598 MeV] (A_Xe:492)
126Xe54 + 10 D* --> 82Kr36 + 64Ni28 + 189.877 MeV [52.048 MeV] (A_Xe:493)
126Xe54 + 10 D* --> 84Kr36 + 62Ni28 + 191.366 MeV [53.536 MeV] (A_Xe:494)
126Xe54 + 10 D* --> 86Kr36 + 60Ni28 + 189.926 MeV [52.097 MeV] (A_Xe:495)
126Xe54 + 10 D* --> 87Rb37 + 59Co27 + 189.015 MeV [51.185 MeV] (A_Xe:496)
126Xe54 + 10 D* --> 88Sr38 + 58Fe26 + 192.264 MeV [54.434 MeV] (A_Xe:497)
126Xe54 + 10 D* --> 92Zr40 + 54Cr24 + 187.575 MeV [49.746 MeV] (A_Xe:498)
126Xe54 + 10 D* --> 94Zr40 + 52Cr24 + 184.872 MeV [47.043 MeV] (A_Xe:499)
126Xe54 + 10 D* --> 96Zr40 + 50Cr24 + 177.891 MeV [40.062 MeV] (A_Xe:500)
126Xe54 + 10 D* --> 96Mo42 + 50Ti22 + 182.406 MeV [44.576 MeV] (A_Xe:501)
126Xe54 + 10 D* --> 97Mo42 + 49Ti22 + 178.288 MeV [40.458 MeV] (A_Xe:502)
126Xe54 + 10 D* --> 98Mo42 + 48Ti22 + 178.788 MeV [40.959 MeV] (A_Xe:503)
126Xe54 + 10 D* --> 100Mo42 + 46Ti22 + 172.496 MeV [34.667 MeV] (A_Xe:504)
126Xe54 + 10 D* --> 98Ru44 + 48Ca20 + 174.627 MeV [36.798 MeV] (A_Xe:505)
126Xe54 + 10 D* --> 100Ru44 + 46Ca20 + 174.543 MeV [36.713 MeV] (A_Xe:506)
126Xe54 + 10 D* --> 102Ru44 + 44Ca20 + 172.755 MeV [34.926 MeV] (A_Xe:507)
126Xe54 + 10 D* --> 104Ru44 + 42Ca20 + 168.825 MeV [30.995 MeV] (A_Xe:508)
126Xe54 + 10 D* --> 106Pd46 + 40Ar18 + 167.131 MeV [29.302 MeV] (A_Xe:509)
126Xe54 + 10 D* --> 108Pd46 + 38Ar18 + 166.428 MeV [28.598 MeV] (A_Xe:510)
126Xe54 + 10 D* --> 110Pd46 + 36Ar18 + 160.769 MeV [22.940 MeV] (A_Xe:511)
126Xe54 + 10 D* --> 109Ag47 + 37Cl17 + 162.673 MeV [24.843 MeV] (A_Xe:512)
126Xe54 + 10 D* --> 110Cd48 + 36S16 + 163.206 MeV [25.376 MeV] (A_Xe:513)
126Xe54 + 10 D* --> 112Cd48 + 34S16 + 162.701 MeV [24.872 MeV] (A_Xe:514)
126Xe54 + 10 D* --> 113Cd48 + 33S16 + 157.824 MeV [19.994 MeV] (A_Xe:515)
126Xe54 + 10 D* --> 114Cd48 + 32S16 + 158.225 MeV [20.396 MeV] (A_Xe:516)
126Xe54 + 10 D* --> 115In49 + 31P15 + 156.166 MeV [18.337 MeV] (A_Xe:517)
126Xe54 + 10 D* --> 116Sn50 + 30Si14 + 158.150 MeV [20.320 MeV] (A_Xe:518)
126Xe54 + 10 D* --> 117Sn50 + 29Si14 + 154.484 MeV [16.654 MeV] (A_Xe:519)
126Xe54 + 10 D* --> 118Sn50 + 28Si14 + 155.338 MeV [17.508 MeV] (A_Xe:520)
126Xe54 + 10 D* --> 120Te52 + 26Mg12 + 147.808 MeV [9.978 MeV] (A_Xe:521)
126Xe54 + 10 D* --> 122Te52 + 24Mg12 + 146.436 MeV [8.607 MeV] (A_Xe:522)
126Xe54 + 10 D* --> 124Xe54 + 22Ne10 + 137.874 MeV [00.044 MeV] (A_Xe:523)
126Xe54 + 10 D* --> 126Xe54 + 20Ne10 + 138.399 MeV [00.570 MeV] (A_Xe:524)
126Xe54 + 10 D* --> 130Ba56 + 16O8 + 134.187 MeV [-3.642 MeV] (A_Xe:525)

126Xe54 + 11 D* --> 75As33 + 73Ge32 + 199.654 MeV [46.332 MeV] (A_Xe:526)
126Xe54 + 11 D* --> 77Se34 + 71Ga31 + 200.064 MeV [46.742 MeV] (A_Xe:527)

126Xe54 + 11 D* --> 81Br35 + 67Zn30 + 201.180 MeV [47.858 MeV] (A_Xe:528)
126Xe54 + 11 D* --> 83Kr36 + 65Cu29 + 202.570 MeV [49.248 MeV] (A_Xe:529)
126Xe54 + 11 D* --> 87Rb37 + 61Ni28 + 204.143 MeV [50.821 MeV] (A_Xe:530)
126Xe54 + 11 D* --> 97Mo42 + 51V23 + 195.066 MeV [41.744 MeV] (A_Xe:531)
126Xe54 + 11 D* --> 98Mo42 + 50V23 + 192.658 MeV [39.336 MeV] (A_Xe:532)
126Xe54 + 11 D* --> 108Pd46 + 40K19 + 178.384 MeV [25.062 MeV] (A_Xe:533)
126Xe54 + 11 D* --> 111Cd48 + 37Cl17 + 176.343 MeV [23.021 MeV] (A_Xe:534)
126Xe54 + 11 D* --> 113Cd48 + 35Cl17 + 173.387 MeV [20.065 MeV] (A_Xe:535)
126Xe54 + 11 D* --> 115In49 + 33S16 + 171.447 MeV [18.125 MeV] (A_Xe:536)
126Xe54 + 11 D* --> 117Sn50 + 31P15 + 170.165 MeV [16.843 MeV] (A_Xe:537)

126Xe54 + 12 D* --> 76Ge32 + 74Se34 + 213.886 MeV [44.770 MeV] (A_Xe:538)
126Xe54 + 12 D* --> 75As33 + 75As33 + 214.525 MeV [45.409 MeV] (A_Xe:539)
126Xe54 + 12 D* --> 76Se34 + 74Ge32 + 217.135 MeV [48.019 MeV] (A_Xe:540)
126Xe54 + 12 D* --> 77Se34 + 73Ge32 + 214.357 MeV [45.242 MeV] (A_Xe:541)
126Xe54 + 12 D* --> 78Se34 + 72Ge32 + 218.072 MeV [48.957 MeV] (A_Xe:542)
126Xe54 + 12 D* --> 80Se34 + 70Ge32 + 216.783 MeV [47.668 MeV] (A_Xe:543)
126Xe54 + 12 D* --> 79Br35 + 71Ga31 + 214.669 MeV [45.553 MeV] (A_Xe:544)
126Xe54 + 12 D* --> 81Br35 + 69Ga31 + 215.763 MeV [46.647 MeV] (A_Xe:545)
126Xe54 + 12 D* --> 80Kr36 + 70Zn30 + 215.917 MeV [46.802 MeV] (A_Xe:546)
126Xe54 + 12 D* --> 82Kr36 + 68Zn30 + 219.057 MeV [49.941 MeV] (A_Xe:547)
126Xe54 + 12 D* --> 83Kr36 + 67Zn30 + 216.322 MeV [47.207 MeV] (A_Xe:548)
126Xe54 + 12 D* --> 84Kr36 + 66Zn30 + 219.791 MeV [50.675 MeV] (A_Xe:549)
126Xe54 + 12 D* --> 86Kr36 + 64Zn30 + 217.729 MeV [48.614 MeV] (A_Xe:550)
126Xe54 + 12 D* --> 85Rb37 + 65Cu29 + 217.891 MeV [48.776 MeV] (A_Xe:551)
126Xe54 + 12 D* --> 87Rb37 + 63Cu29 + 218.637 MeV [49.522 MeV] (A_Xe:552)
126Xe54 + 12 D* --> 86Sr38 + 64Ni28 + 220.083 MeV [50.968 MeV] (A_Xe:553)
126Xe54 + 12 D* --> 88Sr38 + 62Ni28 + 223.128 MeV [54.012 MeV] (A_Xe:554)
126Xe54 + 12 D* --> 92Zr40 + 58Fe26 + 219.067 MeV [49.952 MeV] (A_Xe:555)
126Xe54 + 12 D* --> 94Zr40 + 56Fe26 + 216.332 MeV [47.217 MeV] (A_Xe:556)
126Xe54 + 12 D* --> 96Zr40 + 54Fe26 + 210.155 MeV [41.040 MeV] (A_Xe:557)
126Xe54 + 12 D* --> 96Mo42 + 54Cr24 + 214.183 MeV [45.068 MeV] (A_Xe:558)
126Xe54 + 12 D* --> 97Mo42 + 53Cr24 + 211.285 MeV [42.170 MeV] (A_Xe:559)
126Xe54 + 12 D* --> 98Mo42 + 52Cr24 + 211.989 MeV [42.873 MeV] (A_Xe:560)
126Xe54 + 12 D* --> 100Mo42 + 50Cr24 + 204.904 MeV [35.788 MeV] (A_Xe:561)
126Xe54 + 12 D* --> 100Ru44 + 50Ti22 + 209.106 MeV [39.990 MeV] (A_Xe:562)
126Xe54 + 12 D* --> 101Ru44 + 49Ti22 + 204.969 MeV [35.853 MeV] (A_Xe:563)
126Xe54 + 12 D* --> 102Ru44 + 48Ti22 + 206.046 MeV [36.930 MeV] (A_Xe:564)
126Xe54 + 12 D* --> 104Ru44 + 46Ti22 + 200.672 MeV [31.557 MeV] (A_Xe:565)
126Xe54 + 12 D* --> 102Pd46 + 48Ca20 + 200.599 MeV [31.484 MeV] (A_Xe:566)
126Xe54 + 12 D* --> 104Pd46 + 46Ca20 + 200.985 MeV [31.870 MeV] (A_Xe:567)
126Xe54 + 12 D* --> 106Pd46 + 44Ca20 + 199.831 MeV [30.716 MeV] (A_Xe:568)
126Xe54 + 12 D* --> 108Pd46 + 42Ca20 + 196.532 MeV [27.416 MeV] (A_Xe:569)
126Xe54 + 12 D* --> 110Pd46 + 40Ca20 + 191.656 MeV [22.540 MeV] (A_Xe:570)
126Xe54 + 12 D* --> 109Ag47 + 41K19 + 192.742 MeV [23.626 MeV] (A_Xe:571)
126Xe54 + 12 D* --> 110Cd48 + 40Ar18 + 193.853 MeV [24.738 MeV] (A_Xe:572)
126Xe54 + 12 D* --> 112Cd48 + 38Ar18 + 193.755 MeV [24.640 MeV] (A_Xe:573)
126Xe54 + 12 D* --> 114Cd48 + 36Ar18 + 188.713 MeV [19.597 MeV] (A_Xe:574)
126Xe54 + 12 D* --> 113In49 + 37Cl17 + 189.591 MeV [20.476 MeV] (A_Xe:575)
126Xe54 + 12 D* --> 115In49 + 35Cl17 + 187.010 MeV [17.895 MeV] (A_Xe:576)
126Xe54 + 12 D* --> 114Sn50 + 36S16 + 189.685 MeV [20.570 MeV] (A_Xe:577)
126Xe54 + 12 D* --> 116Sn50 + 34S16 + 189.920 MeV [20.805 MeV] (A_Xe:578)
126Xe54 + 12 D* --> 117Sn50 + 33S16 + 185.446 MeV [16.331 MeV] (A_Xe:579)
126Xe54 + 12 D* --> 118Sn50 + 32S16 + 186.132 MeV [17.016 MeV] (A_Xe:580)

126Xe54 + 12 D* --> 120Te52 + 30Si14 + 182.298 MeV [13.182 MeV] (A_Xe:581)
126Xe54 + 12 D* --> 122Te52 + 28Si14 + 180.267 MeV [11.151 MeV] (A_Xe:582)
126Xe54 + 12 D* --> 124Xe54 + 26Mg12 + 172.335 MeV [3.219 MeV] (A_Xe:583)
126Xe54 + 12 D* --> 126Xe54 + 24Mg12 + 171.562 MeV [2.447 MeV] (A_Xe:584)
126Xe54 + 12 D* --> 130Ba56 + 20Ne10 + 162.764 MeV [-6.352 MeV] (A_Xe:585)

128Xe54 + D* --> 116Cd48 + 14N7 + 9.132 MeV [-3.148 MeV] (A_Xe:586)
128Xe54 + D* --> 119Sn50 + 11B5 + 4.676 MeV [-7.604 MeV] (A_Xe:587)
128Xe54 + D* --> 120Sn50 + 10B5 + 2.330 MeV [-9.950 MeV] (A_Xe:588)
128Xe54 + D* --> 121Sb51 + 9Be4 + 1.523 MeV [-10.757 MeV] (A_Xe:589)
128Xe54 + D* --> 129Xe54 + 1H1 + 4.684 MeV [-7.596 MeV] (A_Xe:590)

128Xe54 + 2 D* --> 82Se34 + 50Ti22 + 65.432 MeV [40.544 MeV] (A_Xe:591)
128Xe54 + 2 D* --> 84Kr36 + 48Ca20 + 63.057 MeV [38.169 MeV] (A_Xe:592)
128Xe54 + 2 D* --> 86Kr36 + 46Ca20 + 62.812 MeV [37.924 MeV] (A_Xe:593)
128Xe54 + 2 D* --> 96Zr40 + 36S16 + 52.518 MeV [27.630 MeV] (A_Xe:594)
128Xe54 + 2 D* --> 110Pd46 + 22Ne10 + 32.785 MeV [7.897 MeV] (A_Xe:595)
128Xe54 + 2 D* --> 114Cd48 + 18O8 + 27.214 MeV [2.326 MeV] (A_Xe:596)
128Xe54 + 2 D* --> 116Cd48 + 16O8 + 29.868 MeV [4.980 MeV] (A_Xe:597)
128Xe54 + 2 D* --> 119Sn50 + 13C6 + 23.355 MeV [-1.533 MeV] (A_Xe:598)
128Xe54 + 2 D* --> 120Sn50 + 12C6 + 27.516 MeV [2.629 MeV] (A_Xe:599)
128Xe54 + 2 D* --> 121Sb51 + 11B5 + 17.339 MeV [-7.549 MeV] (A_Xe:600)
128Xe54 + 2 D* --> 123Te52 + 9Be4 + 14.236 MeV [-10.652 MeV] (A_Xe:601)
128Xe54 + 2 D* --> 128Xe54 + 4He2 + 23.847 MeV [-1.041 MeV] (A_Xe:602)
128Xe54 + 2 D* --> 129Xe54 + 3He2 + 10.178 MeV [-14.710 MeV] (A_Xe:603)
128Xe54 + 2 D* --> 132Ba56 + 24.846 MeV [-0.042 MeV] (A_Xe:604)

128Xe54 + 3 D* --> 119Sn50 + 15N7 + 39.514 MeV [1.694 MeV] (A_Xe:605)
128Xe54 + 3 D* --> 120Sn50 + 14N7 + 37.789 MeV [-0.032 MeV] (A_Xe:606)
128Xe54 + 3 D* --> 121Sb51 + 13C6 + 36.017 MeV [-1.803 MeV] (A_Xe:607)
128Xe54 + 3 D* --> 123Te52 + 11B5 + 30.051 MeV [-7.769 MeV] (A_Xe:608)
128Xe54 + 3 D* --> 124Te52 + 10B5 + 28.021 MeV [-9.800 MeV] (A_Xe:609)
128Xe54 + 3 D* --> 128Xe54 + 6Li3 + 25.320 MeV [-12.500 MeV] (A_Xe:610)
128Xe54 + 3 D* --> 132Ba56 + 2H1 + 24.846 MeV [-12.974 MeV] (A_Xe:611)

128Xe54 + 4 D* --> 82Se34 + 54Cr24 + 97.209 MeV [46.134 MeV] (A_Xe:612)
128Xe54 + 4 D* --> 86Kr36 + 50Ti22 + 97.375 MeV [46.300 MeV] (A_Xe:613)
128Xe54 + 4 D* --> 88Sr38 + 48Ca20 + 94.819 MeV [43.744 MeV] (A_Xe:614)
128Xe54 + 4 D* --> 96Zr40 + 40Ar18 + 83.166 MeV [32.091 MeV] (A_Xe:615)
128Xe54 + 4 D* --> 100Mo42 + 36S16 + 79.531 MeV [28.456 MeV] (A_Xe:616)
128Xe54 + 4 D* --> 110Pd46 + 26Mg12 + 67.247 MeV [16.172 MeV] (A_Xe:617)
128Xe54 + 4 D* --> 114Cd48 + 22Ne10 + 60.729 MeV [9.654 MeV] (A_Xe:618)
128Xe54 + 4 D* --> 116Cd48 + 20Ne10 + 58.444 MeV [7.369 MeV] (A_Xe:619)
128Xe54 + 4 D* --> 118Sn50 + 18O8 + 55.120 MeV [4.046 MeV] (A_Xe:620)
128Xe54 + 4 D* --> 119Sn50 + 17O8 + 53.560 MeV [2.485 MeV] (A_Xe:621)
128Xe54 + 4 D* --> 120Sn50 + 16O8 + 58.525 MeV [7.450 MeV] (A_Xe:622)
128Xe54 + 4 D* --> 121Sb51 + 15N7 + 52.177 MeV [1.102 MeV] (A_Xe:623)
128Xe54 + 4 D* --> 123Te52 + 13C6 + 48.730 MeV [-2.345 MeV] (A_Xe:624)
128Xe54 + 4 D* --> 124Te52 + 12C6 + 53.207 MeV [2.132 MeV] (A_Xe:625)
128Xe54 + 4 D* --> 132Ba56 + 4He2 + 48.693 MeV [-2.382 MeV] (A_Xe:626)
128Xe54 + 4 D* --> 136Ce58 + 49.151 MeV [-1.924 MeV] (A_Xe:627)

128Xe54 + 5 D* --> 119Sn50 + 19F9 + 67.374 MeV [2.726 MeV] (A_Xe:628)
128Xe54 + 5 D* --> 121Sb51 + 17O8 + 66.222 MeV [1.574 MeV] (A_Xe:629)

128Xe54 + 5 D* --> 123Te52 + 15N7 + 64.889 MeV [00.241 MeV] (A_Xe:630)
128Xe54 + 5 D* --> 124Te52 + 14N7 + 63.480 MeV [-1.169 MeV] (A_Xe:631)
128Xe54 + 5 D* --> 128Xe54 + 10B5 + 53.628 MeV [-11.020 MeV] (A_Xe:632)
128Xe54 + 5 D* --> 132Ba56 + 6Li3 + 50.167 MeV [-14.482 MeV] (A_Xe:633)
128Xe54 + 5 D* --> 136Ce58 + 2H1 + 49.151 MeV [-15.497 MeV] (A_Xe:634)

128Xe54 + 6 D* --> 70Zn30 + 70Zn30 + 128.084 MeV [49.546 MeV] (A_Xe:635)
128Xe54 + 6 D* --> 76Ge32 + 64Ni28 + 129.267 MeV [50.729 MeV] (A_Xe:636)
128Xe54 + 6 D* --> 82Se34 + 58Fe26 + 128.702 MeV [50.164 MeV] (A_Xe:637)
128Xe54 + 6 D* --> 86Kr36 + 54Cr24 + 129.152 MeV [50.614 MeV] (A_Xe:638)
128Xe54 + 6 D* --> 92Zr40 + 48Ca20 + 121.622 MeV [43.084 MeV] (A_Xe:639)
128Xe54 + 6 D* --> 94Zr40 + 46Ca20 + 119.356 MeV [40.818 MeV] (A_Xe:640)
128Xe54 + 6 D* --> 96Zr40 + 44Ca20 + 115.866 MeV [37.328 MeV] (A_Xe:641)
128Xe54 + 6 D* --> 100Mo42 + 40Ar18 + 110.178 MeV [31.641 MeV] (A_Xe:642)
128Xe54 + 6 D* --> 104Ru44 + 36S16 + 107.707 MeV [29.169 MeV] (A_Xe:643)
128Xe54 + 6 D* --> 110Pd46 + 30Si14 + 101.736 MeV [23.198 MeV] (A_Xe:644)
128Xe54 + 6 D* --> 114Cd48 + 26Mg12 + 95.190 MeV [16.652 MeV] (A_Xe:645)
128Xe54 + 6 D* --> 116Cd48 + 24Mg12 + 91.607 MeV [13.069 MeV] (A_Xe:646)
128Xe54 + 6 D* --> 118Sn50 + 22Ne10 + 88.635 MeV [10.097 MeV] (A_Xe:647)
128Xe54 + 6 D* --> 119Sn50 + 21Ne10 + 84.754 MeV [6.216 MeV] (A_Xe:648)
128Xe54 + 6 D* --> 120Sn50 + 20Ne10 + 87.101 MeV [8.563 MeV] (A_Xe:649)
128Xe54 + 6 D* --> 121Sb51 + 19F9 + 80.037 MeV [1.499 MeV] (A_Xe:650)
128Xe54 + 6 D* --> 122Te52 + 18O8 + 80.050 MeV [1.512 MeV] (A_Xe:651)
128Xe54 + 6 D* --> 123Te52 + 17O8 + 78.935 MeV [00.397 MeV] (A_Xe:652)
128Xe54 + 6 D* --> 124Te52 + 16O8 + 84.216 MeV [5.678 MeV] (A_Xe:653)
128Xe54 + 6 D* --> 128Xe54 + 12C6 + 78.814 MeV [00.276 MeV] (A_Xe:654)
128Xe54 + 6 D* --> 136Ce58 + 4He2 + 72.998 MeV [-5.540 MeV] (A_Xe:655)

128Xe54 + 7 D* --> 119Sn50 + 23Na11 + 101.688 MeV [8.947 MeV] (A_Xe:656)
128Xe54 + 7 D* --> 121Sb51 + 21Ne10 + 97.417 MeV [4.676 MeV] (A_Xe:657)
128Xe54 + 7 D* --> 123Te52 + 19F9 + 92.749 MeV [00.008 MeV] (A_Xe:658)
128Xe54 + 7 D* --> 128Xe54 + 14N7 + 89.087 MeV [-3.654 MeV] (A_Xe:659)
128Xe54 + 7 D* --> 132Ba56 + 10B5 + 78.474 MeV [-14.267 MeV] (A_Xe:660)
128Xe54 + 7 D* --> 136Ce58 + 6Li3 + 74.472 MeV [-18.270 MeV] (A_Xe:661)

128Xe54 + 8 D* --> 74Ge32 + 70Zn30 + 158.213 MeV [50.958 MeV] (A_Xe:662)
128Xe54 + 8 D* --> 76Ge32 + 68Zn30 + 158.446 MeV [51.191 MeV] (A_Xe:663)
128Xe54 + 8 D* --> 80Se34 + 64Ni28 + 160.085 MeV [52.830 MeV] (A_Xe:664)
128Xe54 + 8 D* --> 82Se34 + 62Ni28 + 159.566 MeV [52.311 MeV] (A_Xe:665)
128Xe54 + 8 D* --> 86Kr36 + 58Fe26 + 160.645 MeV [53.390 MeV] (A_Xe:666)
128Xe54 + 8 D* --> 94Zr40 + 50Ti22 + 153.919 MeV [46.664 MeV] (A_Xe:667)
128Xe54 + 8 D* --> 96Zr40 + 48Ti22 + 149.156 MeV [41.901 MeV] (A_Xe:668)
128Xe54 + 8 D* --> 96Mo42 + 48Ca20 + 148.230 MeV [40.975 MeV] (A_Xe:669)
128Xe54 + 8 D* --> 98Mo42 + 46Ca20 + 146.473 MeV [39.217 MeV] (A_Xe:670)
128Xe54 + 8 D* --> 100Mo42 + 44Ca20 + 142.879 MeV [35.623 MeV] (A_Xe:671)
128Xe54 + 8 D* --> 104Ru44 + 40Ar18 + 138.355 MeV [31.099 MeV] (A_Xe:672)
128Xe54 + 8 D* --> 108Pd46 + 36S16 + 135.414 MeV [28.159 MeV] (A_Xe:673)
128Xe54 + 8 D* --> 110Pd46 + 34S16 + 133.507 MeV [26.252 MeV] (A_Xe:674)
128Xe54 + 8 D* --> 114Cd48 + 30Si14 + 129.680 MeV [22.424 MeV] (A_Xe:675)
128Xe54 + 8 D* --> 116Cd48 + 28Si14 + 125.438 MeV [18.183 MeV] (A_Xe:676)
128Xe54 + 8 D* --> 118Sn50 + 26Mg12 + 123.096 MeV [15.841 MeV] (A_Xe:677)
128Xe54 + 8 D* --> 119Sn50 + 25Mg12 + 118.487 MeV [11.232 MeV] (A_Xe:678)
128Xe54 + 8 D* --> 120Sn50 + 24Mg12 + 120.264 MeV [13.009 MeV] (A_Xe:679)
128Xe54 + 8 D* --> 121Sb51 + 23Na11 + 114.351 MeV [7.096 MeV] (A_Xe:680)

128Xe54 + 8 D* --> 122Te52 + 22Ne10 + 113.564 MeV [6.309 MeV] (A_Xe:681)
128Xe54 + 8 D* --> 123Te52 + 21Ne10 + 110.129 MeV [2.874 MeV] (A_Xe:682)
128Xe54 + 8 D* --> 124Te52 + 20Ne10 + 112.792 MeV [5.537 MeV] (A_Xe:683)
128Xe54 + 8 D* --> 126Xe54 + 18O8 + 105.176 MeV [-2.079 MeV] (A_Xe:684)
128Xe54 + 8 D* --> 128Xe54 + 16O8 + 109.823 MeV [2.568 MeV] (A_Xe:685)
128Xe54 + 8 D* --> 132Ba56 + 12C6 + 103.661 MeV [-3.595 MeV] (A_Xe:686)
128Xe54 + 8 D* --> 144Sm62 + 97.198 MeV [-10.057 MeV] (A_Xe:687)

128Xe54 + 9 D* --> 96Zr40 + 50V23 + 163.026 MeV [40.948 MeV] (A_Xe:688)
128Xe54 + 9 D* --> 119Sn50 + 27Al13 + 135.626 MeV [13.549 MeV] (A_Xe:689)
128Xe54 + 9 D* --> 121Sb51 + 25Mg12 + 131.149 MeV [9.072 MeV] (A_Xe:690)
128Xe54 + 9 D* --> 123Te52 + 23Na11 + 127.063 MeV [4.986 MeV] (A_Xe:691)
128Xe54 + 9 D* --> 132Ba56 + 14N7 + 113.933 MeV [-8.145 MeV] (A_Xe:692)
128Xe54 + 9 D* --> 136Ce58 + 10B5 + 102.779 MeV [-19.298 MeV] (A_Xe:693)
128Xe54 + 9 D* --> 144Sm62 + 2H1 + 97.198 MeV [-24.880 MeV] (A_Xe:694)

128Xe54 + 10 D* --> 74Ge32 + 74Ge32 + 188.342 MeV [51.136 MeV] (A_Xe:695)
128Xe54 + 10 D* --> 76Ge32 + 72Ge32 + 187.296 MeV [50.090 MeV] (A_Xe:696)
128Xe54 + 10 D* --> 78Se34 + 70Zn30 + 188.088 MeV [50.882 MeV] (A_Xe:697)
128Xe54 + 10 D* --> 80Se34 + 68Zn30 + 189.264 MeV [52.059 MeV] (A_Xe:698)
128Xe54 + 10 D* --> 82Se34 + 66Zn30 + 187.991 MeV [50.785 MeV] (A_Xe:699)
128Xe54 + 10 D* --> 84Kr36 + 64Ni28 + 191.027 MeV [53.822 MeV] (A_Xe:700)
128Xe54 + 10 D* --> 86Kr36 + 62Ni28 + 191.509 MeV [54.303 MeV] (A_Xe:701)
128Xe54 + 10 D* --> 94Zr40 + 54Cr24 + 185.697 MeV [48.491 MeV] (A_Xe:702)
128Xe54 + 10 D* --> 96Zr40 + 52Cr24 + 182.357 MeV [45.151 MeV] (A_Xe:703)
128Xe54 + 10 D* --> 98Mo42 + 50Ti22 + 181.036 MeV [43.830 MeV] (A_Xe:704)
128Xe54 + 10 D* --> 100Mo42 + 48Ti22 + 176.169 MeV [38.963 MeV] (A_Xe:705)
128Xe54 + 10 D* --> 100Ru44 + 48Ca20 + 174.930 MeV [37.724 MeV] (A_Xe:706)
128Xe54 + 10 D* --> 102Ru44 + 46Ca20 + 173.730 MeV [36.525 MeV] (A_Xe:707)
128Xe54 + 10 D* --> 104Ru44 + 44Ca20 + 171.055 MeV [33.849 MeV] (A_Xe:708)
128Xe54 + 10 D* --> 108Pd46 + 40Ar18 + 166.061 MeV [28.856 MeV] (A_Xe:709)
128Xe54 + 10 D* --> 110Pd46 + 38Ar18 + 164.561 MeV [27.355 MeV] (A_Xe:710)
128Xe54 + 10 D* --> 112Cd48 + 36S16 + 162.742 MeV [25.536 MeV] (A_Xe:711)
128Xe54 + 10 D* --> 114Cd48 + 34S16 + 161.450 MeV [24.244 MeV] (A_Xe:712)
128Xe54 + 10 D* --> 116Cd48 + 32S16 + 156.232 MeV [19.026 MeV] (A_Xe:713)
128Xe54 + 10 D* --> 118Sn50 + 30Si14 + 157.586 MeV [20.380 MeV] (A_Xe:714)
128Xe54 + 10 D* --> 119Sn50 + 29Si14 + 153.461 MeV [16.255 MeV] (A_Xe:715)
128Xe54 + 10 D* --> 120Sn50 + 28Si14 + 154.095 MeV [16.889 MeV] (A_Xe:716)
128Xe54 + 10 D* --> 121Sb51 + 27Al13 + 148.289 MeV [11.083 MeV] (A_Xe:717)
128Xe54 + 10 D* --> 122Te52 + 26Mg12 + 148.026 MeV [10.820 MeV] (A_Xe:718)
128Xe54 + 10 D* --> 123Te52 + 25Mg12 + 143.862 MeV [6.656 MeV] (A_Xe:719)
128Xe54 + 10 D* --> 124Te52 + 24Mg12 + 145.955 MeV [8.749 MeV] (A_Xe:720)
128Xe54 + 10 D* --> 126Xe54 + 22Ne10 + 138.690 MeV [1.485 MeV] (A_Xe:721)
128Xe54 + 10 D* --> 128Xe54 + 20Ne10 + 138.399 MeV [1.193 MeV] (A_Xe:722)
128Xe54 + 10 D* --> 130Ba56 + 18O8 + 129.540 MeV [-7.665 MeV] (A_Xe:723)
128Xe54 + 10 D* --> 132Ba56 + 16O8 + 134.669 MeV [-2.537 MeV] (A_Xe:724)
128Xe54 + 10 D* --> 136Ce58 + 12C6 + 127.966 MeV [-9.240 MeV] (A_Xe:725)
128Xe54 + 10 D* --> 144Sm62 + 4He2 + 121.044 MeV [-16.162 MeV] (A_Xe:726)

128Xe54 + 11 D* --> 100Mo42 + 50V23 + 190.039 MeV [37.401 MeV] (A_Xe:727)
128Xe54 + 11 D* --> 110Pd46 + 40K19 + 176.517 MeV [23.880 MeV] (A_Xe:728)
128Xe54 + 11 D* --> 113Cd48 + 37Cl17 + 175.444 MeV [22.806 MeV] (A_Xe:729)
128Xe54 + 11 D* --> 119Sn50 + 31P15 + 169.142 MeV [16.505 MeV] (A_Xe:730)
128Xe54 + 11 D* --> 121Sb51 + 29Si14 + 166.123 MeV [13.486 MeV] (A_Xe:731)

128Xe54 + 11 D* --> 123Te52 + 27Al13 + 161.001 MeV [8.364 MeV] (A_Xe:732)
128Xe54 + 11 D* --> 136Ce58 + 14N7 + 138.238 MeV [-14.400 MeV] (A_Xe:733)
128Xe54 + 11 D* --> 144Sm62 + 6Li3 + 122.518 MeV [-30.119 MeV] (A_Xe:734)

128Xe54 + 12 D* --> 76Ge32 + 76Se34 + 216.234 MeV [47.863 MeV] (A_Xe:735)
128Xe54 + 12 D* --> 76Se34 + 76Ge32 + 216.234 MeV [47.863 MeV] (A_Xe:736)
128Xe54 + 12 D* --> 78Se34 + 74Ge32 + 218.217 MeV [49.847 MeV] (A_Xe:737)
128Xe54 + 12 D* --> 80Se34 + 72Ge32 + 218.114 MeV [49.744 MeV] (A_Xe:738)
128Xe54 + 12 D* --> 82Se34 + 70Ge32 + 215.926 MeV [47.555 MeV] (A_Xe:739)
128Xe54 + 12 D* --> 81Br35 + 71Ga31 + 215.884 MeV [47.513 MeV] (A_Xe:740)
128Xe54 + 12 D* --> 82Kr36 + 70Zn30 + 217.923 MeV [49.552 MeV] (A_Xe:741)
128Xe54 + 12 D* --> 84Kr36 + 68Zn30 + 220.207 MeV [51.836 MeV] (A_Xe:742)
128Xe54 + 12 D* --> 86Kr36 + 66Zn30 + 219.934 MeV [51.563 MeV] (A_Xe:743)
128Xe54 + 12 D* --> 87Rb37 + 65Cu29 + 219.630 MeV [51.260 MeV] (A_Xe:744)
128Xe54 + 12 D* --> 88Sr38 + 64Ni28 + 222.790 MeV [54.419 MeV] (A_Xe:745)
128Xe54 + 12 D* --> 94Zr40 + 58Fe26 + 217.189 MeV [48.818 MeV] (A_Xe:746)
128Xe54 + 12 D* --> 96Zr40 + 56Fe26 + 213.817 MeV [45.446 MeV] (A_Xe:747)
128Xe54 + 12 D* --> 98Mo42 + 54Cr24 + 212.813 MeV [44.442 MeV] (A_Xe:748)
128Xe54 + 12 D* --> 100Mo42 + 52Cr24 + 209.370 MeV [40.999 MeV] (A_Xe:749)
128Xe54 + 12 D* --> 102Ru44 + 50Ti22 + 208.293 MeV [39.923 MeV] (A_Xe:750)
128Xe54 + 12 D* --> 104Ru44 + 48Ti22 + 204.345 MeV [35.975 MeV] (A_Xe:751)
128Xe54 + 12 D* --> 104Pd46 + 48Ca20 + 201.373 MeV [33.002 MeV] (A_Xe:752)
128Xe54 + 12 D* --> 106Pd46 + 46Ca20 + 200.806 MeV [32.436 MeV] (A_Xe:753)
128Xe54 + 12 D* --> 108Pd46 + 44Ca20 + 198.761 MeV [30.391 MeV] (A_Xe:754)
128Xe54 + 12 D* --> 110Pd46 + 42Ca20 + 194.665 MeV [26.294 MeV] (A_Xe:755)
128Xe54 + 12 D* --> 112Cd48 + 40Ar18 + 193.389 MeV [25.019 MeV] (A_Xe:756)
128Xe54 + 12 D* --> 114Cd48 + 38Ar18 + 192.504 MeV [24.134 MeV] (A_Xe:757)
128Xe54 + 12 D* --> 116Cd48 + 36Ar18 + 186.720 MeV [18.349 MeV] (A_Xe:758)
128Xe54 + 12 D* --> 115In49 + 37Cl17 + 189.067 MeV [20.696 MeV] (A_Xe:759)
128Xe54 + 12 D* --> 116Sn50 + 36S16 + 189.961 MeV [21.590 MeV] (A_Xe:760)
128Xe54 + 12 D* --> 118Sn50 + 34S16 + 189.356 MeV [20.986 MeV] (A_Xe:761)
128Xe54 + 12 D* --> 119Sn50 + 33S16 + 184.423 MeV [16.053 MeV] (A_Xe:762)
128Xe54 + 12 D* --> 120Sn50 + 32S16 + 184.889 MeV [16.519 MeV] (A_Xe:763)
128Xe54 + 12 D* --> 121Sb51 + 31P15 + 181.805 MeV [13.434 MeV] (A_Xe:764)
128Xe54 + 12 D* --> 122Te52 + 30Si14 + 182.516 MeV [14.145 MeV] (A_Xe:765)
128Xe54 + 12 D* --> 123Te52 + 29Si14 + 178.836 MeV [10.465 MeV] (A_Xe:766)
128Xe54 + 12 D* --> 124Te52 + 28Si14 + 179.786 MeV [11.416 MeV] (A_Xe:767)
128Xe54 + 12 D* --> 126Xe54 + 26Mg12 + 173.152 MeV [4.781 MeV] (A_Xe:768)
128Xe54 + 12 D* --> 128Xe54 + 24Mg12 + 171.562 MeV [3.192 MeV] (A_Xe:769)
128Xe54 + 12 D* --> 130Ba56 + 22Ne10 + 163.055 MeV [-5.316 MeV] (A_Xe:770)
128Xe54 + 12 D* --> 132Ba56 + 20Ne10 + 163.245 MeV [-5.125 MeV] (A_Xe:771)
128Xe54 + 12 D* --> 136Ce58 + 16O8 + 158.974 MeV [-9.396 MeV] (A_Xe:772)

129Xe54 + D* --> 116Cd48 + 15N7 + 13.056 MeV [00.808 MeV] (A_Xe:773)
129Xe54 + D* --> 120Sn50 + 11B5 + 6.875 MeV [-5.373 MeV] (A_Xe:774)
129Xe54 + D* --> 124Te52 + 7Li3 + 00.055 MeV [-12.194 MeV] (A_Xe:775)
129Xe54 + D* --> 127I53 + 4He2 + 10.997 MeV [-1.252 MeV] (A_Xe:776)
129Xe54 + D* --> 130Xe54 + 1H1 + 7.031 MeV [-5.218 MeV] (A_Xe:777)

129Xe54 + 2 D* --> 116Cd48 + 17O8 + 27.102 MeV [2.277 MeV] (A_Xe:778)
129Xe54 + 2 D* --> 120Sn50 + 13C6 + 25.554 MeV [00.729 MeV] (A_Xe:779)
129Xe54 + 2 D* --> 123Sb51 + 10B5 + 14.747 MeV [-10.078 MeV] (A_Xe:780)
129Xe54 + 2 D* --> 124Te52 + 9Be4 + 16.751 MeV [-8.074 MeV] (A_Xe:781)
129Xe54 + 2 D* --> 127I53 + 6Li3 + 12.470 MeV [-12.355 MeV] (A_Xe:782)

129Xe54 + 2 D* --> 129Xe54 + 4He2 + 23.847 MeV [-0.979 MeV] (A_Xe:783)
129Xe54 + 2 D* --> 130Xe54 + 3He2 + 12.525 MeV [-12.301 MeV] (A_Xe:784)

129Xe54 + 3 D* --> 87Rb37 + 48Ca20 + 79.522 MeV [41.795 MeV] (A_Xe:785)
129Xe54 + 3 D* --> 116Cd48 + 19F9 + 40.917 MeV [3.190 MeV] (A_Xe:786)
129Xe54 + 3 D* --> 120Sn50 + 15N7 + 41.713 MeV [3.987 MeV] (A_Xe:787)
129Xe54 + 3 D* --> 123Sb51 + 12C6 + 39.934 MeV [2.207 MeV] (A_Xe:788)
129Xe54 + 3 D* --> 124Te52 + 11B5 + 32.566 MeV [-5.160 MeV] (A_Xe:789)
129Xe54 + 3 D* --> 125Te52 + 10B5 + 27.681 MeV [-10.046 MeV] (A_Xe:790)
129Xe54 + 3 D* --> 128Xe54 + 7Li3 + 25.662 MeV [-12.065 MeV] (A_Xe:791)
129Xe54 + 3 D* --> 129Xe54 + 6Li3 + 25.320 MeV [-12.406 MeV] (A_Xe:792)
129Xe54 + 3 D* --> 134Ba56 + 1H1 + 32.371 MeV [-5.356 MeV] (A_Xe:793)

129Xe54 + 4 D* --> 116Cd48 + 21Ne10 + 58.297 MeV [7.346 MeV] (A_Xe:794)
129Xe54 + 4 D* --> 119Sn50 + 18O8 + 54.695 MeV [3.745 MeV] (A_Xe:795)
129Xe54 + 4 D* --> 120Sn50 + 17O8 + 55.759 MeV [4.809 MeV] (A_Xe:796)
129Xe54 + 4 D* --> 123Sb51 + 14N7 + 50.206 MeV [-0.744 MeV] (A_Xe:797)
129Xe54 + 4 D* --> 124Te52 + 13C6 + 51.245 MeV [00.295 MeV] (A_Xe:798)
129Xe54 + 4 D* --> 125Te52 + 12C6 + 52.868 MeV [1.917 MeV] (A_Xe:799)
129Xe54 + 4 D* --> 127I53 + 10B5 + 40.778 MeV [-10.172 MeV] (A_Xe:800)
129Xe54 + 4 D* --> 128Xe54 + 9Be4 + 42.358 MeV [-8.592 MeV] (A_Xe:801)
129Xe54 + 4 D* --> 134Ba56 + 3He2 + 37.864 MeV [-13.086 MeV] (A_Xe:802)

129Xe54 + 5 D* --> 116Cd48 + 23Na11 + 75.230 MeV [10.738 MeV] (A_Xe:803)
129Xe54 + 5 D* --> 120Sn50 + 19F9 + 69.574 MeV [5.081 MeV] (A_Xe:804)
129Xe54 + 5 D* --> 121Sb51 + 18O8 + 67.358 MeV [2.865 MeV] (A_Xe:805)
129Xe54 + 5 D* --> 123Sb51 + 16O8 + 70.942 MeV [6.449 MeV] (A_Xe:806)
129Xe54 + 5 D* --> 124Te52 + 15N7 + 67.404 MeV [2.911 MeV] (A_Xe:807)
129Xe54 + 5 D* --> 125Te52 + 14N7 + 63.140 MeV [-1.353 MeV] (A_Xe:808)
129Xe54 + 5 D* --> 127I53 + 12C6 + 65.964 MeV [1.471 MeV] (A_Xe:809)
129Xe54 + 5 D* --> 128Xe54 + 11B5 + 58.173 MeV [-6.320 MeV] (A_Xe:810)
129Xe54 + 5 D* --> 129Xe54 + 10B5 + 53.628 MeV [-10.865 MeV] (A_Xe:811)
129Xe54 + 5 D* --> 132Ba56 + 7Li3 + 50.508 MeV [-13.985 MeV] (A_Xe:812)
129Xe54 + 5 D* --> 138Ce58 + 1H1 + 57.261 MeV [-7.232 MeV] (A_Xe:813)

129Xe54 + 6 D* --> 116Cd48 + 25Mg12 + 92.029 MeV [13.677 MeV] (A_Xe:814)
129Xe54 + 6 D* --> 119Sn50 + 22Ne10 + 88.210 MeV [9.858 MeV] (A_Xe:815)
129Xe54 + 6 D* --> 120Sn50 + 21Ne10 + 86.954 MeV [8.602 MeV] (A_Xe:816)
129Xe54 + 6 D* --> 123Te52 + 18O8 + 80.070 MeV [1.718 MeV] (A_Xe:817)
129Xe54 + 6 D* --> 124Te52 + 17O8 + 81.450 MeV [3.098 MeV] (A_Xe:818)
129Xe54 + 6 D* --> 125Te52 + 16O8 + 83.876 MeV [5.524 MeV] (A_Xe:819)
129Xe54 + 6 D* --> 127I53 + 14N7 + 76.237 MeV [-2.115 MeV] (A_Xe:820)
129Xe54 + 6 D* --> 128Xe54 + 13C6 + 76.852 MeV [-1.500 MeV] (A_Xe:821)
129Xe54 + 6 D* --> 129Xe54 + 12C6 + 78.814 MeV [00.462 MeV] (A_Xe:822)
129Xe54 + 6 D* --> 132Ba56 + 9Be4 + 67.204 MeV [-11.148 MeV] (A_Xe:823)
129Xe54 + 6 D* --> 138Ce58 + 3He2 + 62.754 MeV [-15.598 MeV] (A_Xe:824)

129Xe54 + 7 D* --> 116Cd48 + 27Al13 + 109.169 MeV [16.644 MeV] (A_Xe:825)
129Xe54 + 7 D* --> 120Sn50 + 23Na11 + 103.888 MeV [11.363 MeV] (A_Xe:826)
129Xe54 + 7 D* --> 121Sb51 + 22Ne10 + 100.872 MeV [8.348 MeV] (A_Xe:827)
129Xe54 + 7 D* --> 123Sb51 + 20Ne10 + 99.519 MeV [6.994 MeV] (A_Xe:828)
129Xe54 + 7 D* --> 124Te52 + 19F9 + 95.265 MeV [2.740 MeV] (A_Xe:829)
129Xe54 + 7 D* --> 127I53 + 16O8 + 96.973 MeV [4.448 MeV] (A_Xe:830)
129Xe54 + 7 D* --> 128Xe54 + 15N7 + 93.011 MeV [00.487 MeV] (A_Xe:831)

129Xe54 + 7 D* --> 129Xe54 + 14N7 + 89.087 MeV [-3.438 MeV] (A_Xe:832)
129Xe54 + 7 D* --> 132Ba56 + 11B5 + 83.020 MeV [-9.505 MeV] (A_Xe:833)
129Xe54 + 7 D* --> 136Ce58 + 7Li3 + 74.813 MeV [-17.712 MeV] (A_Xe:834)
129Xe54 + 7 D* --> 142Nd60 + 1H1 + 81.919 MeV [-10.606 MeV] (A_Xe:835)

129Xe54 + 8 D* --> 96Zr40 + 49Ti22 + 150.390 MeV [43.382 MeV] (A_Xe:836)
129Xe54 + 8 D* --> 97Mo42 + 48Ca20 + 148.143 MeV [41.135 MeV] (A_Xe:837)
129Xe54 + 8 D* --> 116Cd48 + 29Si14 + 127.003 MeV [19.995 MeV] (A_Xe:838)
129Xe54 + 8 D* --> 119Sn50 + 26Mg12 + 122.671 MeV [15.663 MeV] (A_Xe:839)
129Xe54 + 8 D* --> 120Sn50 + 25Mg12 + 120.686 MeV [13.678 MeV] (A_Xe:840)
129Xe54 + 8 D* --> 123Te52 + 22Ne10 + 113.585 MeV [6.577 MeV] (A_Xe:841)
129Xe54 + 8 D* --> 124Te52 + 21Ne10 + 112.645 MeV [5.637 MeV] (A_Xe:842)
129Xe54 + 8 D* --> 125Te52 + 20Ne10 + 112.453 MeV [5.445 MeV] (A_Xe:843)
129Xe54 + 8 D* --> 128Xe54 + 17O8 + 107.057 MeV [00.049 MeV] (A_Xe:844)
129Xe54 + 8 D* --> 129Xe54 + 16O8 + 109.823 MeV [2.815 MeV] (A_Xe:845)
129Xe54 + 8 D* --> 132Ba56 + 13C6 + 101.698 MeV [-5.310 MeV] (A_Xe:846)
129Xe54 + 8 D* --> 136Ce58 + 9Be4 + 91.509 MeV [-15.499 MeV] (A_Xe:847)
129Xe54 + 8 D* --> 142Nd60 + 3He2 + 87.412 MeV [-19.596 MeV] (A_Xe:848)

129Xe54 + 9 D* --> 76Ge32 + 71Ga31 + 172.877 MeV [51.077 MeV] (A_Xe:849)
129Xe54 + 9 D* --> 82Se34 + 65Cu29 + 174.382 MeV [52.582 MeV] (A_Xe:850)
129Xe54 + 9 D* --> 96Zr40 + 51V23 + 167.168 MeV [45.368 MeV] (A_Xe:851)
129Xe54 + 9 D* --> 110Pd46 + 37Cl17 + 149.635 MeV [27.835 MeV] (A_Xe:852)
129Xe54 + 9 D* --> 116Cd48 + 31P15 + 142.684 MeV [20.884 MeV] (A_Xe:853)
129Xe54 + 9 D* --> 120Sn50 + 27Al13 + 137.826 MeV [16.026 MeV] (A_Xe:854)
129Xe54 + 9 D* --> 121Sb51 + 26Mg12 + 135.334 MeV [13.534 MeV] (A_Xe:855)
129Xe54 + 9 D* --> 123Sb51 + 24Mg12 + 132.682 MeV [10.882 MeV] (A_Xe:856)
129Xe54 + 9 D* --> 124Te52 + 23Na11 + 129.579 MeV [7.778 MeV] (A_Xe:857)
129Xe54 + 9 D* --> 127I53 + 20Ne10 + 125.549 MeV [3.749 MeV] (A_Xe:858)
129Xe54 + 9 D* --> 128Xe54 + 19F9 + 120.872 MeV [-0.929 MeV] (A_Xe:859)
129Xe54 + 9 D* --> 132Ba56 + 15N7 + 117.858 MeV [-3.943 MeV] (A_Xe:860)
129Xe54 + 9 D* --> 136Ce58 + 11B5 + 107.325 MeV [-14.476 MeV] (A_Xe:861)

129Xe54 + 10 D* --> 76Ge32 + 73Ge32 + 187.170 MeV [50.272 MeV] (A_Xe:862)
129Xe54 + 10 D* --> 82Se34 + 67Zn30 + 188.134 MeV [51.236 MeV] (A_Xe:863)
129Xe54 + 10 D* --> 96Zr40 + 53Cr24 + 183.387 MeV [46.489 MeV] (A_Xe:864)
129Xe54 + 10 D* --> 100Mo42 + 49Ti22 + 177.403 MeV [40.505 MeV] (A_Xe:865)
129Xe54 + 10 D* --> 101Ru44 + 48Ca20 + 174.824 MeV [37.926 MeV] (A_Xe:866)
129Xe54 + 10 D* --> 113Cd48 + 36S16 + 162.373 MeV [25.475 MeV] (A_Xe:867)
129Xe54 + 10 D* --> 116Cd48 + 33S16 + 157.965 MeV [21.067 MeV] (A_Xe:868)
129Xe54 + 10 D* --> 119Sn50 + 30Si14 + 157.161 MeV [20.263 MeV] (A_Xe:869)
129Xe54 + 10 D* --> 120Sn50 + 29Si14 + 155.660 MeV [18.762 MeV] (A_Xe:870)
129Xe54 + 10 D* --> 123Te52 + 26Mg12 + 148.046 MeV [11.148 MeV] (A_Xe:871)
129Xe54 + 10 D* --> 124Te52 + 25Mg12 + 146.377 MeV [9.479 MeV] (A_Xe:872)
129Xe54 + 10 D* --> 125Te52 + 24Mg12 + 145.616 MeV [8.717 MeV] (A_Xe:873)
129Xe54 + 10 D* --> 128Xe54 + 21Ne10 + 138.252 MeV [1.353 MeV] (A_Xe:874)
129Xe54 + 10 D* --> 129Xe54 + 20Ne10 + 138.399 MeV [1.501 MeV] (A_Xe:875)
129Xe54 + 10 D* --> 132Ba56 + 17O8 + 131.903 MeV [-4.995 MeV] (A_Xe:876)
129Xe54 + 10 D* --> 136Ce58 + 13C6 + 126.003 MeV [-10.895 MeV] (A_Xe:877)

129Xe54 + 11 D* --> 76Ge32 + 75As33 + 202.041 MeV [49.741 MeV] (A_Xe:878)
129Xe54 + 11 D* --> 80Se34 + 71Ga31 + 203.696 MeV [51.396 MeV] (A_Xe:879)
129Xe54 + 11 D* --> 82Se34 + 69Ga31 + 202.717 MeV [50.417 MeV] (A_Xe:880)
129Xe54 + 11 D* --> 81Br35 + 70Zn30 + 203.335 MeV [51.035 MeV] (A_Xe:881)

129Xe54 + 11 D* --> 86Kr36 + 65Cu29 + 206.325 MeV [54.025 MeV] (A_Xe:882)
129Xe54 + 11 D* --> 87Rb37 + 64Ni28 + 207.493 MeV [55.193 MeV] (A_Xe:883)
129Xe54 + 11 D* --> 96Zr40 + 55Mn25 + 198.949 MeV [46.649 MeV] (A_Xe:884)
129Xe54 + 11 D* --> 100Mo42 + 51V23 + 194.181 MeV [41.881 MeV] (A_Xe:885)
129Xe54 + 11 D* --> 103Rh45 + 48Ca20 + 188.032 MeV [35.732 MeV] (A_Xe:886)
129Xe54 + 11 D* --> 110Pd46 + 41K19 + 179.704 MeV [27.404 MeV] (A_Xe:887)
129Xe54 + 11 D* --> 114Cd48 + 37Cl17 + 177.578 MeV [25.278 MeV] (A_Xe:888)
129Xe54 + 11 D* --> 116Cd48 + 35Cl17 + 173.528 MeV [21.229 MeV] (A_Xe:889)
129Xe54 + 11 D* --> 115In49 + 36S16 + 175.996 MeV [23.696 MeV] (A_Xe:890)
129Xe54 + 11 D* --> 120Sn50 + 31P15 + 171.342 MeV [19.042 MeV] (A_Xe:891)
129Xe54 + 11 D* --> 121Sb51 + 30Si14 + 169.824 MeV [17.524 MeV] (A_Xe:892)
129Xe54 + 11 D* --> 123Sb51 + 28Si14 + 166.512 MeV [14.213 MeV] (A_Xe:893)
129Xe54 + 11 D* --> 124Te52 + 27Al13 + 163.517 MeV [11.217 MeV] (A_Xe:894)
129Xe54 + 11 D* --> 127I53 + 24Mg12 + 158.712 MeV [6.412 MeV] (A_Xe:895)
129Xe54 + 11 D* --> 128Xe54 + 23Na11 + 155.185 MeV [2.886 MeV] (A_Xe:896)
129Xe54 + 11 D* --> 132Ba56 + 19F9 + 145.718 MeV [-6.582 MeV] (A_Xe:897)
129Xe54 + 11 D* --> 136Ce58 + 15N7 + 142.162 MeV [-10.137 MeV] (A_Xe:898)
129Xe54 + 11 D* --> 144Sm62 + 7Li3 + 122.859 MeV [-29.440 MeV] (A_Xe:899)

129Xe54 + 12 D* --> 77Se34 + 76Ge32 + 216.744 MeV [48.741 MeV] (A_Xe:900)
129Xe54 + 12 D* --> 80Se34 + 73Ge32 + 217.989 MeV [49.986 MeV] (A_Xe:901)
129Xe54 + 12 D* --> 83Kr36 + 70Zn30 + 218.478 MeV [50.475 MeV] (A_Xe:902)
129Xe54 + 12 D* --> 86Kr36 + 67Zn30 + 220.077 MeV [52.074 MeV] (A_Xe:903)
129Xe54 + 12 D* --> 96Zr40 + 57Fe26 + 214.554 MeV [46.551 MeV] (A_Xe:904)
129Xe54 + 12 D* --> 100Mo42 + 53Cr24 + 210.400 MeV [42.397 MeV] (A_Xe:905)
129Xe54 + 12 D* --> 104Ru44 + 49Ti22 + 205.579 MeV [37.576 MeV] (A_Xe:906)
129Xe54 + 12 D* --> 105Pd46 + 48Ca20 + 201.558 MeV [33.555 MeV] (A_Xe:907)
129Xe54 + 12 D* --> 110Pd46 + 43Ca20 + 195.689 MeV [27.686 MeV] (A_Xe:908)
129Xe54 + 12 D* --> 113Cd48 + 40Ar18 + 193.020 MeV [25.018 MeV] (A_Xe:909)
129Xe54 + 12 D* --> 117Sn50 + 36S16 + 189.995 MeV [21.992 MeV] (A_Xe:910)
129Xe54 + 12 D* --> 119Sn50 + 34S16 + 188.931 MeV [20.929 MeV] (A_Xe:911)
129Xe54 + 12 D* --> 120Sn50 + 33S16 + 186.622 MeV [18.620 MeV] (A_Xe:912)
129Xe54 + 12 D* --> 123Te52 + 30Si14 + 182.536 MeV [14.533 MeV] (A_Xe:913)
129Xe54 + 12 D* --> 124Te52 + 29Si14 + 181.351 MeV [13.348 MeV] (A_Xe:914)
129Xe54 + 12 D* --> 125Te52 + 28Si14 + 179.446 MeV [11.443 MeV] (A_Xe:915)
129Xe54 + 12 D* --> 128Xe54 + 25Mg12 + 171.984 MeV [3.981 MeV] (A_Xe:916)
129Xe54 + 12 D* --> 129Xe54 + 24Mg12 + 171.562 MeV [3.559 MeV] (A_Xe:917)
129Xe54 + 12 D* --> 132Ba56 + 21Ne10 + 163.098 MeV [-4.905 MeV] (A_Xe:918)
129Xe54 + 12 D* --> 136Ce58 + 17O8 + 156.208 MeV [-11.794 MeV] (A_Xe:919)
129Xe54 + 12 D* --> 144Sm62 + 9Be4 + 139.556 MeV [-28.447 MeV] (A_Xe:920)

130Xe54 + D* --> 122Sn50 + 10B5 + 1.149 MeV [-11.068 MeV] (A_Xe:921)
130Xe54 + D* --> 123Sb51 + 9Be4 + 1.130 MeV [-11.087 MeV] (A_Xe:922)
130Xe54 + D* --> 131Xe54 + 1H1 + 4.380 MeV [-7.837 MeV] (A_Xe:923)

130Xe54 + 2 D* --> 86Kr36 + 48Ca20 + 63.869 MeV [39.106 MeV] (A_Xe:924)
130Xe54 + 2 D* --> 116Cd48 + 18O8 + 25.891 MeV [1.127 MeV] (A_Xe:925)
130Xe54 + 2 D* --> 122Sn50 + 12C6 + 26.336 MeV [1.572 MeV] (A_Xe:926)
130Xe54 + 2 D* --> 123Sb51 + 11B5 + 16.946 MeV [-7.817 MeV] (A_Xe:927)
130Xe54 + 2 D* --> 125Te52 + 9Be4 + 14.064 MeV [-10.699 MeV] (A_Xe:928)
130Xe54 + 2 D* --> 127I53 + 7Li3 + 10.465 MeV [-14.299 MeV] (A_Xe:929)
130Xe54 + 2 D* --> 130Xe54 + 4He2 + 23.847 MeV [-0.917 MeV] (A_Xe:930)
130Xe54 + 2 D* --> 131Xe54 + 3He2 + 9.874 MeV [-14.890 MeV] (A_Xe:931)
130Xe54 + 2 D* --> 133Cs55 + 1H1 + 17.172 MeV [-7.592 MeV] (A_Xe:932)

130Xe54 + 2 D* --> 134Ba56 + 25.340 MeV [00.576 MeV] (A_Xe:933)

130Xe54 + 3 D* --> 122Sn50 + 14N7 + 36.608 MeV [-1.026 MeV] (A_Xe:934)
130Xe54 + 3 D* --> 123Sb51 + 13C6 + 35.625 MeV [-2.010 MeV] (A_Xe:935)
130Xe54 + 3 D* --> 125Te52 + 11B5 + 29.880 MeV [-7.754 MeV] (A_Xe:936)
130Xe54 + 3 D* --> 126Te52 + 10B5 + 27.539 MeV [-10.095 MeV] (A_Xe:937)
130Xe54 + 3 D* --> 127I53 + 9Be4 + 27.161 MeV [-10.473 MeV] (A_Xe:938)
130Xe54 + 3 D* --> 129Xe54 + 7Li3 + 23.315 MeV [-14.319 MeV] (A_Xe:939)
130Xe54 + 3 D* --> 130Xe54 + 6Li3 + 25.320 MeV [-12.314 MeV] (A_Xe:940)
130Xe54 + 3 D* --> 133Cs55 + 3He2 + 22.665 MeV [-14.969 MeV] (A_Xe:941)
130Xe54 + 3 D* --> 134Ba56 + 2H1 + 25.340 MeV [-12.295 MeV] (A_Xe:942)
130Xe54 + 3 D* --> 135Ba56 + 1H1 + 30.087 MeV [-7.547 MeV] (A_Xe:943)

130Xe54 + 4 D* --> 116Cd48 + 22Ne10 + 59.405 MeV [8.578 MeV] (A_Xe:944)
130Xe54 + 4 D* --> 120Sn50 + 18O8 + 54.548 MeV [3.721 MeV] (A_Xe:945)
130Xe54 + 4 D* --> 122Sn50 + 16O8 + 57.344 MeV [6.517 MeV] (A_Xe:946)
130Xe54 + 4 D* --> 123Sb51 + 15N7 + 51.784 MeV [00.957 MeV] (A_Xe:947)
130Xe54 + 4 D* --> 125Te52 + 13C6 + 48.558 MeV [-2.269 MeV] (A_Xe:948)
130Xe54 + 4 D* --> 126Te52 + 12C6 + 52.726 MeV [1.899 MeV] (A_Xe:949)
130Xe54 + 4 D* --> 127I53 + 11B5 + 42.976 MeV [-7.851 MeV] (A_Xe:950)
130Xe54 + 4 D* --> 129Xe54 + 9Be4 + 40.011 MeV [-10.816 MeV] (A_Xe:951)
130Xe54 + 4 D* --> 134Ba56 + 4He2 + 49.186 MeV [-1.641 MeV] (A_Xe:952)
130Xe54 + 4 D* --> 135Ba56 + 3He2 + 35.580 MeV [-15.247 MeV] (A_Xe:953)
130Xe54 + 4 D* --> 138Ce58 + 50.230 MeV [-0.597 MeV] (A_Xe:954)

130Xe54 + 5 D* --> 123Sb51 + 17O8 + 65.830 MeV [1.491 MeV] (A_Xe:955)
130Xe54 + 5 D* --> 125Te52 + 15N7 + 64.718 MeV [00.379 MeV] (A_Xe:956)
130Xe54 + 5 D* --> 126Te52 + 14N7 + 62.998 MeV [-1.341 MeV] (A_Xe:957)
130Xe54 + 5 D* --> 127I53 + 13C6 + 61.655 MeV [-2.684 MeV] (A_Xe:958)
130Xe54 + 5 D* --> 129Xe54 + 11B5 + 55.826 MeV [-8.513 MeV] (A_Xe:959)
130Xe54 + 5 D* --> 130Xe54 + 10B5 + 53.628 MeV [-10.711 MeV] (A_Xe:960)
130Xe54 + 5 D* --> 134Ba56 + 6Li3 + 50.660 MeV [-13.679 MeV] (A_Xe:961)
130Xe54 + 5 D* --> 138Ce58 + 2H1 + 50.230 MeV [-14.109 MeV] (A_Xe:962)

130Xe54 + 6 D* --> 94Zr40 + 48Ca20 + 120.414 MeV [42.246 MeV] (A_Xe:963)
130Xe54 + 6 D* --> 96Zr40 + 46Ca20 + 117.510 MeV [39.343 MeV] (A_Xe:964)
130Xe54 + 6 D* --> 116Cd48 + 26Mg12 + 93.867 MeV [15.699 MeV] (A_Xe:965)
130Xe54 + 6 D* --> 120Sn50 + 22Ne10 + 88.062 MeV [9.895 MeV] (A_Xe:966)
130Xe54 + 6 D* --> 122Sn50 + 20Ne10 + 85.920 MeV [7.753 MeV] (A_Xe:967)
130Xe54 + 6 D* --> 123Sb51 + 19F9 + 79.644 MeV [1.477 MeV] (A_Xe:968)
130Xe54 + 6 D* --> 124Te52 + 18O8 + 80.239 MeV [2.071 MeV] (A_Xe:969)
130Xe54 + 6 D* --> 125Te52 + 17O8 + 78.764 MeV [00.596 MeV] (A_Xe:970)
130Xe54 + 6 D* --> 126Te52 + 16O8 + 83.734 MeV [5.567 MeV] (A_Xe:971)
130Xe54 + 6 D* --> 127I53 + 15N7 + 77.814 MeV [-0.353 MeV] (A_Xe:972)
130Xe54 + 6 D* --> 129Xe54 + 13C6 + 74.505 MeV [-3.663 MeV] (A_Xe:973)
130Xe54 + 6 D* --> 130Xe54 + 12C6 + 78.814 MeV [00.647 MeV] (A_Xe:974)
130Xe54 + 6 D* --> 138Ce58 + 4He2 + 74.076 MeV [-4.091 MeV] (A_Xe:975)
130Xe54 + 6 D* --> 141Pr59 + 1H1 + 67.665 MeV [-10.503 MeV] (A_Xe:976)
130Xe54 + 6 D* --> 142Nd60 + 74.888 MeV [-3.280 MeV] (A_Xe:977)

130Xe54 + 7 D* --> 123Sb51 + 21Ne10 + 97.024 MeV [4.714 MeV] (A_Xe:978)
130Xe54 + 7 D* --> 125Te52 + 19F9 + 92.578 MeV [00.268 MeV] (A_Xe:979)
130Xe54 + 7 D* --> 127I53 + 17O8 + 91.860 MeV [-0.449 MeV] (A_Xe:980)
130Xe54 + 7 D* --> 129Xe54 + 15N7 + 90.664 MeV [-1.645 MeV] (A_Xe:981)

130Xe54 + 7 D* --> 130Xe54 + 14N7 + 89.087 MeV [-3.223 MeV] (A_Xe:982)
130Xe54 + 7 D* --> 134Ba56 + 10B5 + 78.967 MeV [-13.342 MeV] (A_Xe:983)
130Xe54 + 7 D* --> 138Ce58 + 6Li3 + 75.550 MeV [-16.760 MeV] (A_Xe:984)
130Xe54 + 7 D* --> 141Pr59 + 3He2 + 73.158 MeV [-19.152 MeV] (A_Xe:985)
130Xe54 + 7 D* --> 142Nd60 + 2H1 + 74.888 MeV [-17.422 MeV] (A_Xe:986)
130Xe54 + 7 D* --> 143Nd60 + 1H1 + 78.787 MeV [-13.523 MeV] (A_Xe:987)

130Xe54 + 8 D* --> 76Ge32 + 70Zn30 + 157.982 MeV [51.219 MeV] (A_Xe:988)
130Xe54 + 8 D* --> 82Se34 + 64Ni28 + 159.897 MeV [53.134 MeV] (A_Xe:989)
130Xe54 + 8 D* --> 96Zr40 + 50Ti22 + 152.074 MeV [45.310 MeV] (A_Xe:990)
130Xe54 + 8 D* --> 98Mo42 + 48Ca20 + 147.530 MeV [40.767 MeV] (A_Xe:991)
130Xe54 + 8 D* --> 100Mo42 + 46Ca20 + 144.523 MeV [37.760 MeV] (A_Xe:992)
130Xe54 + 8 D* --> 110Pd46 + 36S16 + 134.217 MeV [27.454 MeV] (A_Xe:993)
130Xe54 + 8 D* --> 116Cd48 + 30Si14 + 128.356 MeV [21.593 MeV] (A_Xe:994)
130Xe54 + 8 D* --> 120Sn50 + 26Mg12 + 122.524 MeV [15.761 MeV] (A_Xe:995)
130Xe54 + 8 D* --> 122Sn50 + 24Mg12 + 119.084 MeV [12.320 MeV] (A_Xe:996)
130Xe54 + 8 D* --> 123Sb51 + 23Na11 + 113.958 MeV [7.195 MeV] (A_Xe:997)
130Xe54 + 8 D* --> 124Te52 + 22Ne10 + 113.753 MeV [6.990 MeV] (A_Xe:998)
130Xe54 + 8 D* --> 125Te52 + 21Ne10 + 109.958 MeV [3.195 MeV] (A_Xe:999)
130Xe54 + 8 D* --> 126Te52 + 20Ne10 + 112.311 MeV [5.547 MeV]
(A_Xe:1000)
130Xe54 + 8 D* --> 127I53 + 19F9 + 105.675 MeV [-1.089 MeV]
(A_Xe:1001)
130Xe54 + 8 D* --> 128Xe54 + 18O8 + 105.846 MeV [-0.918 MeV]
(A_Xe:1002)
130Xe54 + 8 D* --> 129Xe54 + 17O8 + 104.710 MeV [-2.053 MeV]
(A_Xe:1003)
130Xe54 + 8 D* --> 130Xe54 + 16O8 + 109.823 MeV [3.060 MeV]
(A_Xe:1004)
130Xe54 + 8 D* --> 134Ba56 + 12C6 + 104.154 MeV [-2.609 MeV]
(A_Xe:1005)
130Xe54 + 8 D* --> 142Nd60 + 4He2 + 98.734 MeV [-8.029 MeV]
(A_Xe:1006)
130Xe54 + 8 D* --> 143Nd60 + 3He2 + 84.280 MeV [-22.483 MeV]
(A_Xe:1007)

130Xe54 + 9 D* --> 123Sb51 + 25Mg12 + 130.757 MeV [9.232 MeV]
(A_Xe:1008)
130Xe54 + 9 D* --> 125Te52 + 23Na11 + 126.892 MeV [5.367 MeV]
(A_Xe:1009)
130Xe54 + 9 D* --> 127I53 + 21Ne10 + 123.055 MeV [1.530 MeV]
(A_Xe:1010)
130Xe54 + 9 D* --> 129Xe54 + 19F9 + 118.525 MeV [-3.001 MeV]
(A_Xe:1011)
130Xe54 + 9 D* --> 134Ba56 + 14N7 + 114.426 MeV [-7.099 MeV]
(A_Xe:1012)
130Xe54 + 9 D* --> 138Ce58 + 10B5 + 103.858 MeV [-17.668 MeV]
(A_Xe:1013)
130Xe54 + 9 D* --> 142Nd60 + 6Li3 + 100.208 MeV [-21.317 MeV]
(A_Xe:1014)
130Xe54 + 9 D* --> 147Sm62 + 1H1 + 100.323 MeV [-21.202 MeV]
(A_Xe:1015)

130Xe54 + 10 D* --> 76Ge32 + 74Ge32 + 188.111 MeV [51.518 MeV]

(A_Xe:1016)
130Xe54 + 10 D* --> 80Se34 + 70Zn30 + 188.800 MeV [52.207 MeV]
(A_Xe:1017)
130Xe54 + 10 D* --> 82Se34 + 68Zn30 + 189.077 MeV [52.483 MeV]
(A_Xe:1018)
130Xe54 + 10 D* --> 86Kr36 + 64Ni28 + 191.840 MeV [55.247 MeV]
(A_Xe:1019)
130Xe54 + 10 D* --> 96Zr40 + 54Cr24 + 183.851 MeV [47.258 MeV]
(A_Xe:1020)
130Xe54 + 10 D* --> 100Mo42 + 50Ti22 + 179.086 MeV [42.493 MeV]
(A_Xe:1021)
130Xe54 + 10 D* --> 102Ru44 + 48Ca20 + 174.788 MeV [38.194 MeV]
(A_Xe:1022)
130Xe54 + 10 D* --> 104Ru44 + 46Ca20 + 172.699 MeV [36.106 MeV]
(A_Xe:1023)
130Xe54 + 10 D* --> 110Pd46 + 40Ar18 + 164.865 MeV [28.271 MeV]
(A_Xe:1024)
130Xe54 + 10 D* --> 114Cd48 + 36S16 + 162.161 MeV [25.567 MeV]
(A_Xe:1025)
130Xe54 + 10 D* --> 116Cd48 + 34S16 + 160.127 MeV [23.533 MeV]
(A_Xe:1026)
130Xe54 + 10 D* --> 120Sn50 + 30Si14 + 157.014 MeV [20.420 MeV]
(A_Xe:1027)
130Xe54 + 10 D* --> 122Sn50 + 28Si14 + 152.914 MeV [16.321 MeV]
(A_Xe:1028)
130Xe54 + 10 D* --> 123Sb51 + 27Al13 + 147.896 MeV [11.303 MeV]
(A_Xe:1029)
130Xe54 + 10 D* --> 124Te52 + 26Mg12 + 148.215 MeV [11.621 MeV]
(A_Xe:1030)
130Xe54 + 10 D* --> 125Te52 + 25Mg12 + 143.691 MeV [7.097 MeV]
(A_Xe:1031)
130Xe54 + 10 D* --> 126Te52 + 24Mg12 + 145.474 MeV [8.880 MeV]
(A_Xe:1032)
130Xe54 + 10 D* --> 127I53 + 23Na11 + 139.988 MeV [3.395 MeV]
(A_Xe:1033)
130Xe54 + 10 D* --> 128Xe54 + 22Ne10 + 139.360 MeV [2.767 MeV]
(A_Xe:1034)
130Xe54 + 10 D* --> 129Xe54 + 21Ne10 + 135.905 MeV [-0.689 MeV]
(A_Xe:1035)
130Xe54 + 10 D* --> 130Xe54 + 20Ne10 + 138.399 MeV [1.806 MeV]
(A_Xe:1036)
130Xe54 + 10 D* --> 132Ba56 + 18O8 + 130.692 MeV [-5.901 MeV]
(A_Xe:1037)
130Xe54 + 10 D* --> 134Ba56 + 16O8 + 135.162 MeV [-1.431 MeV]
(A_Xe:1038)
130Xe54 + 10 D* --> 138Ce58 + 12C6 + 129.044 MeV [-7.549 MeV]
(A_Xe:1039)
130Xe54 + 10 D* --> 147Sm62 + 3He2 + 105.816 MeV [-30.777 MeV]
(A_Xe:1040)

130Xe54 + 11 D* --> 123Sb51 + 29Si14 + 165.730 MeV [13.765 MeV]
(A_Xe:1041)
130Xe54 + 11 D* --> 125Te52 + 27Al13 + 160.830 MeV [8.865 MeV]
(A_Xe:1042)

130Xe54 + 11 D* --> 127I53 + 25Mg12 + 156.787 MeV [4.822 MeV]
(A_Xe:1043)
130Xe54 + 11 D* --> 129Xe54 + 23Na11 + 152.838 MeV [00.873 MeV]
(A_Xe:1044)
130Xe54 + 11 D* --> 138Ce58 + 14N7 + 139.316 MeV [-12.649 MeV]
(A_Xe:1045)
130Xe54 + 11 D* --> 142Nd60 + 10B5 + 128.516 MeV [-23.449 MeV]
(A_Xe:1046)

130Xe54 + 12 D* --> 78Se34 + 76Ge32 + 217.986 MeV [50.348 MeV]
(A_Xe:1047)
130Xe54 + 12 D* --> 80Se34 + 74Ge32 + 218.929 MeV [51.291 MeV]
(A_Xe:1048)
130Xe54 + 12 D* --> 82Se34 + 72Ge32 + 217.927 MeV [50.288 MeV]
(A_Xe:1049)
130Xe54 + 12 D* --> 84Kr36 + 70Zn30 + 219.743 MeV [52.104 MeV]
(A_Xe:1050)
130Xe54 + 12 D* --> 86Kr36 + 68Zn30 + 221.020 MeV [53.381 MeV]
(A_Xe:1051)
130Xe54 + 12 D* --> 96Zr40 + 58Fe26 + 215.343 MeV [47.705 MeV]
(A_Xe:1052)
130Xe54 + 12 D* --> 100Mo42 + 54Cr24 + 210.864 MeV [43.225 MeV]
(A_Xe:1053)
130Xe54 + 12 D* --> 104Ru44 + 50Ti22 + 207.262 MeV [39.624 MeV]
(A_Xe:1054)
130Xe54 + 12 D* --> 106Pd46 + 48Ca20 + 201.864 MeV [34.225 MeV]
(A_Xe:1055)
130Xe54 + 12 D* --> 108Pd46 + 46Ca20 + 200.406 MeV [32.768 MeV]
(A_Xe:1056)
130Xe54 + 12 D* --> 110Pd46 + 44Ca20 + 197.565 MeV [29.926 MeV]
(A_Xe:1057)
130Xe54 + 12 D* --> 114Cd48 + 40Ar18 + 192.808 MeV [25.169 MeV]
(A_Xe:1058)
130Xe54 + 12 D* --> 116Cd48 + 38Ar18 + 191.181 MeV [23.542 MeV]
(A_Xe:1059)
130Xe54 + 12 D* --> 118Sn50 + 36S16 + 190.067 MeV [22.429 MeV]
(A_Xe:1060)
130Xe54 + 12 D* --> 120Sn50 + 34S16 + 188.784 MeV [21.145 MeV]
(A_Xe:1061)
130Xe54 + 12 D* --> 122Sn50 + 32S16 + 183.709 MeV [16.070 MeV]
(A_Xe:1062)
130Xe54 + 12 D* --> 123Sb51 + 31P15 + 181.412 MeV [13.774 MeV]
(A_Xe:1063)
130Xe54 + 12 D* --> 124Te52 + 30Si14 + 182.704 MeV [15.066 MeV]
(A_Xe:1064)
130Xe54 + 12 D* --> 125Te52 + 29Si14 + 178.664 MeV [11.026 MeV]
(A_Xe:1065)
130Xe54 + 12 D* --> 126Te52 + 28Si14 + 179.304 MeV [11.666 MeV]
(A_Xe:1066)
130Xe54 + 12 D* --> 127I53 + 27Al13 + 173.927 MeV [6.288 MeV]
(A_Xe:1067)
130Xe54 + 12 D* --> 128Xe54 + 26Mg12 + 173.822 MeV [6.183 MeV]
(A_Xe:1068)
130Xe54 + 12 D* --> 129Xe54 + 25Mg12 + 169.637 MeV [1.999 MeV]

(A_Xe:1069)
 130Xe54 + 12 D* --> 130Xe54 + 24Mg12 + 171.562 MeV [3.924 MeV]
(A_Xe:1070)
 130Xe54 + 12 D* --> 132Ba56 + 22Ne10 + 164.207 MeV [-3.432 MeV]
(A_Xe:1071)
 130Xe54 + 12 D* --> 134Ba56 + 20Ne10 + 163.739 MeV [-3.900 MeV]
(A_Xe:1072)
 130Xe54 + 12 D* --> 136Ce58 + 18O8 + 154.997 MeV [-12.642 MeV]
(A_Xe:1073)
 130Xe54 + 12 D* --> 138Ce58 + 16O8 + 160.052 MeV [-7.586 MeV]
(A_Xe:1074)
 130Xe54 + 12 D* --> 142Nd60 + 12C6 + 153.702 MeV [-13.936 MeV]
(A_Xe:1075)

 131Xe54 + D* --> 122Sn50 + 11B5 + 5.999 MeV [-6.188 MeV]
(A_Xe:1076)
 131Xe54 + D* --> 132Xe54 + 1H1 + 6.712 MeV [-5.475 MeV]
(A_Xe:1077)
 131Xe54 + D* --> 133Cs55 + 12.791 MeV [00.605 MeV]
(A_Xe:1078)

 131Xe54 + 2 D* --> 122Sn50 + 13C6 + 24.677 MeV [-0.025 MeV]
(A_Xe:1079)
 131Xe54 + 2 D* --> 126Te52 + 9Be4 + 16.573 MeV [-8.129 MeV]
(A_Xe:1080)
 131Xe54 + 2 D* --> 131Xe54 + 4He2 + 23.847 MeV [-0.856 MeV]
(A_Xe:1081)
 131Xe54 + 2 D* --> 132Xe54 + 3He2 + 12.205 MeV [-12.497 MeV]
(A_Xe:1082)
 131Xe54 + 2 D* --> 133Cs55 + 2H1 + 12.791 MeV [-11.911 MeV]
(A_Xe:1083)
 131Xe54 + 2 D* --> 135Ba56 + 25.707 MeV [1.005 MeV]
(A_Xe:1084)

 131Xe54 + 3 D* --> 122Sn50 + 15N7 + 40.836 MeV [3.294 MeV]
(A_Xe:1085)
 131Xe54 + 3 D* --> 126Te52 + 11B5 + 32.389 MeV [-5.154 MeV]
(A_Xe:1086)
 131Xe54 + 3 D* --> 130Xe54 + 7Li3 + 25.966 MeV [-11.577 MeV]
(A_Xe:1087)
 131Xe54 + 3 D* --> 131Xe54 + 6Li3 + 25.320 MeV [-12.222 MeV]
(A_Xe:1088)
 131Xe54 + 3 D* --> 133Cs55 + 4He2 + 36.638 MeV [-0.904 MeV]
(A_Xe:1089)
 131Xe54 + 3 D* --> 135Ba56 + 2H1 + 25.707 MeV [-11.836 MeV]
(A_Xe:1090)
 131Xe54 + 3 D* --> 136Ba56 + 1H1 + 32.590 MeV [-4.952 MeV]
(A_Xe:1091)

 131Xe54 + 4 D* --> 122Sn50 + 17O8 + 54.882 MeV [4.178 MeV]
(A_Xe:1092)
 131Xe54 + 4 D* --> 126Te52 + 13C6 + 51.067 MeV [00.362 MeV]
(A_Xe:1093)
 131Xe54 + 4 D* --> 130Xe54 + 9Be4 + 42.662 MeV [-8.043 MeV]

(A_Xe:1094)
131Xe54 + 4 D* --> 133Cs55 + 6Li3 + 38.112 MeV [-12.593 MeV]
(A_Xe:1095)
131Xe54 + 4 D* --> 135Ba56 + 4He2 + 49.553 MeV [-1.152 MeV]
(A_Xe:1096)
131Xe54 + 4 D* --> 136Ba56 + 3He2 + 38.083 MeV [-12.621 MeV]
(A_Xe:1097)
131Xe54 + 4 D* --> 138La57 + 1H1 + 43.363 MeV [-7.341 MeV]
(A_Xe:1098)

131Xe54 + 5 D* --> 122Sn50 + 19F9 + 68.697 MeV [4.510 MeV]
(A_Xe:1099)
131Xe54 + 5 D* --> 123Sb51 + 18O8 + 67.269 MeV [3.082 MeV]
(A_Xe:1100)
131Xe54 + 5 D* --> 126Te52 + 15N7 + 67.227 MeV [3.040 MeV]
(A_Xe:1101)
131Xe54 + 5 D* --> 130Xe54 + 11B5 + 58.477 MeV [-5.709 MeV]
(A_Xe:1102)
131Xe54 + 5 D* --> 131Xe54 + 10B5 + 53.628 MeV [-10.559 MeV]
(A_Xe:1103)
131Xe54 + 5 D* --> 134Ba56 + 7Li3 + 51.305 MeV [-12.881 MeV]
(A_Xe:1104)
131Xe54 + 5 D* --> 135Ba56 + 6Li3 + 51.027 MeV [-13.159 MeV]
(A_Xe:1105)
131Xe54 + 5 D* --> 138La57 + 3He2 + 48.857 MeV [-15.330 MeV]
(A_Xe:1106)
131Xe54 + 5 D* --> 140Ce58 + 1H1 + 58.058 MeV [-6.129 MeV]
(A_Xe:1107)
131Xe54 + 5 D* --> 141Pr59 + 63.284 MeV [-0.902 MeV]
(A_Xe:1108)

131Xe54 + 6 D* --> 122Sn50 + 21Ne10 + 86.077 MeV [8.092 MeV]
(A_Xe:1109)
131Xe54 + 6 D* --> 125Te52 + 18O8 + 80.203 MeV [2.218 MeV]
(A_Xe:1110)
131Xe54 + 6 D* --> 126Te52 + 17O8 + 81.273 MeV [3.288 MeV]
(A_Xe:1111)
131Xe54 + 6 D* --> 130Xe54 + 13C6 + 77.156 MeV [-0.829 MeV]
(A_Xe:1112)
131Xe54 + 6 D* --> 131Xe54 + 12C6 + 78.814 MeV [00.829 MeV]
(A_Xe:1113)
131Xe54 + 6 D* --> 133Cs55 + 10B5 + 66.419 MeV [-11.566 MeV]
(A_Xe:1114)
131Xe54 + 6 D* --> 134Ba56 + 9Be4 + 68.001 MeV [-9.984 MeV]
(A_Xe:1115)
131Xe54 + 6 D* --> 140Ce58 + 3He2 + 63.551 MeV [-14.434 MeV]
(A_Xe:1116)
131Xe54 + 6 D* --> 141Pr59 + 2H1 + 63.284 MeV [-14.701 MeV]
(A_Xe:1117)
131Xe54 + 6 D* --> 143Nd60 + 74.407 MeV [-3.578 MeV]
(A_Xe:1118)

131Xe54 + 7 D* --> 122Sn50 + 23Na11 + 103.011 MeV [10.914 MeV]
(A_Xe:1119)

131Xe54 + 7 D* --> 123Sb51 + 22Ne10 + 100.784 MeV [8.687 MeV]
(A_Xe:1120)
131Xe54 + 7 D* --> 126Te52 + 19F9 + 95.087 MeV [2.990 MeV]
(A_Xe:1121)
131Xe54 + 7 D* --> 127I53 + 18O8 + 93.299 MeV [1.202 MeV]
(A_Xe:1122)
131Xe54 + 7 D* --> 130Xe54 + 15N7 + 93.315 MeV [1.218 MeV]
(A_Xe:1123)
131Xe54 + 7 D* --> 131Xe54 + 14N7 + 89.087 MeV [-3.010 MeV]
(A_Xe:1124)
131Xe54 + 7 D* --> 133Cs55 + 12C6 + 91.606 MeV [-0.491 MeV]
(A_Xe:1125)
131Xe54 + 7 D* --> 134Ba56 + 11B5 + 83.817 MeV [-8.280 MeV]
(A_Xe:1126)
131Xe54 + 7 D* --> 135Ba56 + 10B5 + 79.335 MeV [-12.762 MeV]
(A_Xe:1127)
131Xe54 + 7 D* --> 138Ce58 + 7Li3 + 76.195 MeV [-15.902 MeV]
(A_Xe:1128)
131Xe54 + 7 D* --> 141Pr59 + 4He2 + 87.131 MeV [-4.966 MeV]
(A_Xe:1129)
131Xe54 + 7 D* --> 143Nd60 + 2H1 + 74.407 MeV [-17.690 MeV]
(A_Xe:1130)
131Xe54 + 7 D* --> 144Nd60 + 1H1 + 79.999 MeV [-12.098 MeV]
(A_Xe:1131)

131Xe54 + 8 D* --> 122Sn50 + 25Mg12 + 119.809 MeV [13.289 MeV]
(A_Xe:1132)
131Xe54 + 8 D* --> 125Te52 + 22Ne10 + 113.717 MeV [7.197 MeV]
(A_Xe:1133)
131Xe54 + 8 D* --> 126Te52 + 21Ne10 + 112.467 MeV [5.946 MeV]
(A_Xe:1134)
131Xe54 + 8 D* --> 129Xe54 + 18O8 + 106.149 MeV [-0.371 MeV]
(A_Xe:1135)
131Xe54 + 8 D* --> 130Xe54 + 17O8 + 107.361 MeV [00.841 MeV]
(A_Xe:1136)
131Xe54 + 8 D* --> 131Xe54 + 16O8 + 109.823 MeV [3.302 MeV]
(A_Xe:1137)
131Xe54 + 8 D* --> 133Cs55 + 14N7 + 101.878 MeV [-4.642 MeV]
(A_Xe:1138)
131Xe54 + 8 D* --> 134Ba56 + 13C6 + 102.495 MeV [-4.025 MeV]
(A_Xe:1139)
131Xe54 + 8 D* --> 135Ba56 + 12C6 + 104.521 MeV [-1.999 MeV]
(A_Xe:1140)
131Xe54 + 8 D* --> 138Ce58 + 9Be4 + 92.891 MeV [-13.629 MeV]
(A_Xe:1141)
131Xe54 + 8 D* --> 141Pr59 + 6Li3 + 88.605 MeV [-17.916 MeV]
(A_Xe:1142)
131Xe54 + 8 D* --> 143Nd60 + 4He2 + 98.253 MeV [-8.267 MeV]
(A_Xe:1143)
131Xe54 + 8 D* --> 144Nd60 + 3He2 + 85.493 MeV [-21.028 MeV]
(A_Xe:1144)
131Xe54 + 8 D* --> 147Sm62 + 95.943 MeV [-10.578 MeV]
(A_Xe:1145)

131Xe54 + 9 D* --> 122Sn50 + 27Al13 + 136.949 MeV [15.696 MeV]
(A_Xe:1146)
131Xe54 + 9 D* --> 123Sb51 + 26Mg12 + 135.245 MeV [13.992 MeV]
(A_Xe:1147)
131Xe54 + 9 D* --> 126Te52 + 23Na11 + 129.401 MeV [8.148 MeV]
(A_Xe:1148)
131Xe54 + 9 D* --> 127I53 + 22Ne10 + 126.814 MeV [5.561 MeV]
(A_Xe:1149)
131Xe54 + 9 D* --> 130Xe54 + 19F9 + 121.175 MeV [-0.077 MeV]
(A_Xe:1150)
131Xe54 + 9 D* --> 133Cs55 + 16O8 + 122.614 MeV [1.362 MeV]
(A_Xe:1151)
131Xe54 + 9 D* --> 134Ba56 + 15N7 + 118.655 MeV [-2.598 MeV]
(A_Xe:1152)
131Xe54 + 9 D* --> 135Ba56 + 14N7 + 114.793 MeV [-6.459 MeV]
(A_Xe:1153)
131Xe54 + 9 D* --> 138Ce58 + 11B5 + 108.707 MeV [-12.546 MeV]
(A_Xe:1154)
131Xe54 + 9 D* --> 142Nd60 + 7Li3 + 100.853 MeV [-20.399 MeV]
(A_Xe:1155)
131Xe54 + 9 D* --> 143Nd60 + 6Li3 + 99.727 MeV [-21.526 MeV]
(A_Xe:1156)
131Xe54 + 9 D* --> 147Sm62 + 2H1 + 95.943 MeV [-25.310 MeV]
(A_Xe:1157)
131Xe54 + 9 D* --> 148Sm62 + 1H1 + 101.859 MeV [-19.393 MeV]
(A_Xe:1158)

131Xe54 + 10 D* --> 122Sn50 + 29Si14 + 154.783 MeV [18.492 MeV]
(A_Xe:1159)
131Xe54 + 10 D* --> 125Te52 + 26Mg12 + 148.179 MeV [11.888 MeV]
(A_Xe:1160)
131Xe54 + 10 D* --> 126Te52 + 25Mg12 + 146.199 MeV [9.908 MeV]
(A_Xe:1161)
131Xe54 + 10 D* --> 129Xe54 + 22Ne10 + 139.664 MeV [3.373 MeV]
(A_Xe:1162)
131Xe54 + 10 D* --> 130Xe54 + 21Ne10 + 138.555 MeV [2.264 MeV]
(A_Xe:1163)
131Xe54 + 10 D* --> 131Xe54 + 20Ne10 + 138.399 MeV [2.108 MeV]
(A_Xe:1164)
131Xe54 + 10 D* --> 134Ba56 + 17O8 + 132.701 MeV [-3.590 MeV]
(A_Xe:1165)
131Xe54 + 10 D* --> 135Ba56 + 16O8 + 135.530 MeV [-0.762 MeV]
(A_Xe:1166)
131Xe54 + 10 D* --> 138Ce58 + 13C6 + 127.386 MeV [-8.906 MeV]
(A_Xe:1167)
131Xe54 + 10 D* --> 141Pr59 + 10B5 + 116.912 MeV [-19.379 MeV]
(A_Xe:1168)
131Xe54 + 10 D* --> 142Nd60 + 9Be4 + 117.550 MeV [-18.742 MeV]
(A_Xe:1169)
131Xe54 + 10 D* --> 147Sm62 + 4He2 + 119.789 MeV [-16.502 MeV]
(A_Xe:1170)
131Xe54 + 10 D* --> 148Sm62 + 3He2 + 107.353 MeV [-28.938 MeV]
(A_Xe:1171)

131Xe54 + 11 D* --> 82Se34 + 71Ga31 + 203.812 MeV [52.179 MeV]
(A_Xe:1172)
131Xe54 + 11 D* --> 116Cd48 + 37Cl17 + 176.559 MeV [24.925 MeV]
(A_Xe:1173)
131Xe54 + 11 D* --> 122Sn50 + 31P15 + 170.465 MeV [18.831 MeV]
(A_Xe:1174)
131Xe54 + 11 D* --> 123Sb51 + 30Si14 + 169.735 MeV [18.101 MeV]
(A_Xe:1175)
131Xe54 + 11 D* --> 126Te52 + 27Al13 + 163.339 MeV [11.706 MeV]
(A_Xe:1176)
131Xe54 + 11 D* --> 127I53 + 26Mg12 + 161.275 MeV [9.642 MeV]
(A_Xe:1177)
131Xe54 + 11 D* --> 130Xe54 + 23Na11 + 155.489 MeV [3.856 MeV]
(A_Xe:1178)
131Xe54 + 11 D* --> 133Cs55 + 20Ne10 + 151.191 MeV [-0.443 MeV]
(A_Xe:1179)
131Xe54 + 11 D* --> 134Ba56 + 19F9 + 146.515 MeV [-5.118 MeV]
(A_Xe:1180)
131Xe54 + 11 D* --> 138Ce58 + 15N7 + 143.545 MeV [-8.089 MeV]
(A_Xe:1181)
131Xe54 + 11 D* --> 141Pr59 + 12C6 + 142.099 MeV [-9.535 MeV]
(A_Xe:1182)
131Xe54 + 11 D* --> 142Nd60 + 11B5 + 133.365 MeV [-18.268 MeV]
(A_Xe:1183)
131Xe54 + 11 D* --> 143Nd60 + 10B5 + 128.034 MeV [-23.599 MeV]
(A_Xe:1184)
131Xe54 + 11 D* --> 147Sm62 + 6Li3 + 121.263 MeV [-30.370 MeV]
(A_Xe:1185)
131Xe54 + 11 D* --> 152Gd64 + 1H1 + 123.503 MeV [-28.130 MeV]
(A_Xe:1186)

131Xe54 + 12 D* --> 82Se34 + 73Ge32 + 218.105 MeV [50.828 MeV]
(A_Xe:1187)
131Xe54 + 12 D* --> 119Sn50 + 36S16 + 189.946 MeV [22.669 MeV]
(A_Xe:1188)
131Xe54 + 12 D* --> 122Sn50 + 33S16 + 185.745 MeV [18.468 MeV]
(A_Xe:1189)
131Xe54 + 12 D* --> 125Te52 + 30Si14 + 182.669 MeV [15.391 MeV]
(A_Xe:1190)
131Xe54 + 12 D* --> 126Te52 + 29Si14 + 181.173 MeV [13.896 MeV]
(A_Xe:1191)
131Xe54 + 12 D* --> 129Xe54 + 26Mg12 + 174.125 MeV [6.848 MeV]
(A_Xe:1192)
131Xe54 + 12 D* --> 130Xe54 + 25Mg12 + 172.288 MeV [5.011 MeV]
(A_Xe:1193)
131Xe54 + 12 D* --> 131Xe54 + 24Mg12 + 171.562 MeV [4.285 MeV]
(A_Xe:1194)
131Xe54 + 12 D* --> 134Ba56 + 21Ne10 + 163.895 MeV [-3.382 MeV]
(A_Xe:1195)
131Xe54 + 12 D* --> 135Ba56 + 20Ne10 + 164.106 MeV [-3.171 MeV]
(A_Xe:1196)
131Xe54 + 12 D* --> 138Ce58 + 17O8 + 157.591 MeV [-9.686 MeV]
(A_Xe:1197)
131Xe54 + 12 D* --> 141Pr59 + 14N7 + 152.371 MeV [-14.906 MeV]

(A_Xe:1198)
131Xe54 + 12 D* --> 142Nd60 + 13C6 + 152.044 MeV [-15.233 MeV]
(A_Xe:1199)
131Xe54 + 12 D* --> 143Nd60 + 12C6 + 153.221 MeV [-14.056 MeV]
(A_Xe:1200)
131Xe54 + 12 D* --> 152Gd64 + 3He2 + 128.996 MeV [-38.281 MeV]
(A_Xe:1201)

132Xe54 + D* --> 124Sn50 + 10B5 + 00.041 MeV [-12.115 MeV]
(A_Xe:1202)

132Xe54 + 2 D* --> 124Sn50 + 12C6 + 25.228 MeV [00.586 MeV]
(A_Xe:1203)
132Xe54 + 2 D* --> 132Xe54 + 4He2 + 23.847 MeV [-0.795 MeV]
(A_Xe:1204)
132Xe54 + 2 D* --> 136Ba56 + 25.878 MeV [1.236 MeV]
(A_Xe:1205)

132Xe54 + 3 D* --> 124Sn50 + 14N7 + 35.500 MeV [-1.951 MeV]
(A_Xe:1206)
132Xe54 + 3 D* --> 128Te52 + 10B5 + 27.068 MeV [-10.383 MeV]
(A_Xe:1207)
132Xe54 + 3 D* --> 131Xe54 + 7Li3 + 23.634 MeV [-13.818 MeV]
(A_Xe:1208)
132Xe54 + 3 D* --> 132Xe54 + 6Li3 + 25.320 MeV [-12.131 MeV]
(A_Xe:1209)
132Xe54 + 3 D* --> 136Ba56 + 2H1 + 25.878 MeV [-11.574 MeV]
(A_Xe:1210)
132Xe54 + 3 D* --> 137Ba56 + 1H1 + 30.559 MeV [-6.893 MeV]
(A_Xe:1211)
132Xe54 + 3 D* --> 138La57 + 36.651 MeV [-0.800 MeV]
(A_Xe:1212)

132Xe54 + 4 D* --> 122Sn50 + 18O8 + 53.990 MeV [3.406 MeV]
(A_Xe:1213)
132Xe54 + 4 D* --> 124Sn50 + 16O8 + 56.236 MeV [5.652 MeV]
(A_Xe:1214)
132Xe54 + 4 D* --> 128Te52 + 12C6 + 52.254 MeV [1.671 MeV]
(A_Xe:1215)
132Xe54 + 4 D* --> 131Xe54 + 9Be4 + 40.330 MeV [-10.254 MeV]
(A_Xe:1216)
132Xe54 + 4 D* --> 133Cs55 + 7Li3 + 36.425 MeV [-14.159 MeV]
(A_Xe:1217)
132Xe54 + 4 D* --> 136Ba56 + 4He2 + 49.724 MeV [-0.859 MeV]
(A_Xe:1218)
132Xe54 + 4 D* --> 137Ba56 + 3He2 + 36.052 MeV [-14.531 MeV]
(A_Xe:1219)
132Xe54 + 4 D* --> 138La57 + 2H1 + 36.651 MeV [-13.932 MeV]
(A_Xe:1220)
132Xe54 + 4 D* --> 139La57 + 1H1 + 43.205 MeV [-7.379 MeV]
(A_Xe:1221)
132Xe54 + 4 D* --> 140Ce58 + 51.346 MeV [00.762 MeV]
(A_Xe:1222)

132Xe54 + 5 D* --> 128Te52 + 14N7 + 62.527 MeV [-1.509 MeV]
(A_Xe:1223)
132Xe54 + 5 D* --> 131Xe54 + 11B5 + 56.145 MeV [-7.890 MeV]
(A_Xe:1224)
132Xe54 + 5 D* --> 132Xe54 + 10B5 + 53.628 MeV [-10.408 MeV]
(A_Xe:1225)
132Xe54 + 5 D* --> 133Cs55 + 9Be4 + 53.121 MeV [-10.914 MeV]
(A_Xe:1226)
132Xe54 + 5 D* --> 135Ba56 + 7Li3 + 49.341 MeV [-14.695 MeV]
(A_Xe:1227)
132Xe54 + 5 D* --> 136Ba56 + 6Li3 + 51.198 MeV [-12.837 MeV]
(A_Xe:1228)
132Xe54 + 5 D* --> 138La57 + 4He2 + 60.498 MeV [-3.538 MeV]
(A_Xe:1229)
132Xe54 + 5 D* --> 139La57 + 3He2 + 48.698 MeV [-15.337 MeV]
(A_Xe:1230)
132Xe54 + 5 D* --> 140Ce58 + 2H1 + 51.346 MeV [-12.690 MeV]
(A_Xe:1231)

132Xe54 + 6 D* --> 96Zr40 + 48Ca20 + 119.191 MeV [41.387 MeV]
(A_Xe:1232)
132Xe54 + 6 D* --> 122Sn50 + 22Ne10 + 87.505 MeV [9.701 MeV]
(A_Xe:1233)
132Xe54 + 6 D* --> 124Sn50 + 20Ne10 + 84.813 MeV [7.009 MeV]
(A_Xe:1234)
132Xe54 + 6 D* --> 126Te52 + 18O8 + 80.380 MeV [2.576 MeV]
(A_Xe:1235)
132Xe54 + 6 D* --> 128Te52 + 16O8 + 83.263 MeV [5.459 MeV]
(A_Xe:1236)
132Xe54 + 6 D* --> 131Xe54 + 13C6 + 74.824 MeV [-2.980 MeV]
(A_Xe:1237)
132Xe54 + 6 D* --> 132Xe54 + 12C6 + 78.814 MeV [1.010 MeV]
(A_Xe:1238)
132Xe54 + 6 D* --> 133Cs55 + 11B5 + 68.937 MeV [-8.867 MeV]
(A_Xe:1239)
132Xe54 + 6 D* --> 135Ba56 + 9Be4 + 66.037 MeV [-11.767 MeV]
(A_Xe:1240)
132Xe54 + 6 D* --> 138La57 + 6Li3 + 61.972 MeV [-15.832 MeV]
(A_Xe:1241)
132Xe54 + 6 D* --> 140Ce58 + 4He2 + 75.192 MeV [-2.612 MeV]
(A_Xe:1242)
132Xe54 + 6 D* --> 144Nd60 + 73.287 MeV [-4.517 MeV]
(A_Xe:1243)

132Xe54 + 7 D* --> 131Xe54 + 15N7 + 90.983 MeV [-0.903 MeV]
(A_Xe:1244)
132Xe54 + 7 D* --> 132Xe54 + 14N7 + 89.087 MeV [-2.800 MeV]
(A_Xe:1245)
132Xe54 + 7 D* --> 133Cs55 + 13C6 + 87.616 MeV [-4.271 MeV]
(A_Xe:1246)
132Xe54 + 7 D* --> 135Ba56 + 11B5 + 81.852 MeV [-10.034 MeV]
(A_Xe:1247)
132Xe54 + 7 D* --> 136Ba56 + 10B5 + 79.506 MeV [-12.381 MeV]
(A_Xe:1248)

132Xe54 + 7 D* --> 140Ce58 + 6Li3 + 76.666 MeV [-15.220 MeV]
(A_Xe:1249)
132Xe54 + 7 D* --> 144Nd60 + 2H1 + 73.287 MeV [-18.599 MeV]
(A_Xe:1250)
132Xe54 + 7 D* --> 145Nd60 + 1H1 + 76.818 MeV [-15.069 MeV]
(A_Xe:1251)

132Xe54 + 8 D* --> 100Mo42 + 48Ca20 + 146.204 MeV [39.924 MeV]
(A_Xe:1252)
132Xe54 + 8 D* --> 122Sn50 + 26Mg12 + 121.966 MeV [15.686 MeV]
(A_Xe:1253)
132Xe54 + 8 D* --> 124Sn50 + 24Mg12 + 117.976 MeV [11.696 MeV]
(A_Xe:1254)
132Xe54 + 8 D* --> 126Te52 + 22Ne10 + 113.895 MeV [7.615 MeV]
(A_Xe:1255)
132Xe54 + 8 D* --> 128Te52 + 20Ne10 + 111.839 MeV [5.559 MeV]
(A_Xe:1256)
132Xe54 + 8 D* --> 130Xe54 + 18O8 + 106.469 MeV [00.188 MeV]
(A_Xe:1257)
132Xe54 + 8 D* --> 131Xe54 + 17O8 + 105.029 MeV [-1.251 MeV]
(A_Xe:1258)
132Xe54 + 8 D* --> 132Xe54 + 16O8 + 109.823 MeV [3.543 MeV]
(A_Xe:1259)
132Xe54 + 8 D* --> 133Cs55 + 15N7 + 103.775 MeV [-2.505 MeV]
(A_Xe:1260)
132Xe54 + 8 D* --> 135Ba56 + 13C6 + 100.531 MeV [-5.749 MeV]
(A_Xe:1261)
132Xe54 + 8 D* --> 136Ba56 + 12C6 + 104.692 MeV [-1.588 MeV]
(A_Xe:1262)
132Xe54 + 8 D* --> 138La57 + 10B5 + 90.279 MeV [-16.001 MeV]
(A_Xe:1263)
132Xe54 + 8 D* --> 141Pr59 + 7Li3 + 86.918 MeV [-19.362 MeV]
(A_Xe:1264)
132Xe54 + 8 D* --> 144Nd60 + 4He2 + 97.134 MeV [-9.147 MeV]
(A_Xe:1265)
132Xe54 + 8 D* --> 145Nd60 + 3He2 + 82.311 MeV [-23.969 MeV]
(A_Xe:1266)
132Xe54 + 8 D* --> 148Sm62 + 95.147 MeV [-11.133 MeV]
(A_Xe:1267)

132Xe54 + 9 D* --> 131Xe54 + 19F9 + 118.844 MeV [-2.139 MeV]
(A_Xe:1268)
132Xe54 + 9 D* --> 133Cs55 + 17O8 + 117.821 MeV [-3.162 MeV]
(A_Xe:1269)
132Xe54 + 9 D* --> 135Ba56 + 15N7 + 116.690 MeV [-4.293 MeV]
(A_Xe:1270)
132Xe54 + 9 D* --> 136Ba56 + 14N7 + 114.965 MeV [-6.018 MeV]
(A_Xe:1271)
132Xe54 + 9 D* --> 138La57 + 12C6 + 115.466 MeV [-5.517 MeV]
(A_Xe:1272)
132Xe54 + 9 D* --> 140Ce58 + 10B5 + 104.974 MeV [-16.009 MeV]
(A_Xe:1273)
132Xe54 + 9 D* --> 141Pr59 + 9Be4 + 103.614 MeV [-17.368 MeV]
(A_Xe:1274)

132Xe54 + 9 D* --> 143Nd60 + 7Li3 + 98.040 MeV [-22.942 MeV]
(A_Xe:1275)
132Xe54 + 9 D* --> 144Nd60 + 6Li3 + 98.607 MeV [-22.375 MeV]
(A_Xe:1276)
132Xe54 + 9 D* --> 148Sm62 + 2H1 + 95.147 MeV [-25.835 MeV]
(A_Xe:1277)
132Xe54 + 9 D* --> 149Sm62 + 1H1 + 98.794 MeV [-22.189 MeV]
(A_Xe:1278)

132Xe54 + 10 D* --> 76Ge32 + 76Ge32 + 188.503 MeV [52.511 MeV]
(A_Xe:1279)
132Xe54 + 10 D* --> 82Se34 + 70Zn30 + 189.235 MeV [53.244 MeV]
(A_Xe:1280)
132Xe54 + 10 D* --> 104Ru44 + 48Ca20 + 174.380 MeV [38.388 MeV]
(A_Xe:1281)
132Xe54 + 10 D* --> 116Cd48 + 36S16 + 161.460 MeV [25.469 MeV]
(A_Xe:1282)
132Xe54 + 10 D* --> 122Sn50 + 30Si14 + 156.456 MeV [20.464 MeV]
(A_Xe:1283)
132Xe54 + 10 D* --> 124Sn50 + 28Si14 + 151.806 MeV [15.815 MeV]
(A_Xe:1284)
132Xe54 + 10 D* --> 126Te52 + 26Mg12 + 148.356 MeV [12.364 MeV]
(A_Xe:1285)
132Xe54 + 10 D* --> 128Te52 + 24Mg12 + 145.002 MeV [9.011 MeV]
(A_Xe:1286)
132Xe54 + 10 D* --> 130Xe54 + 22Ne10 + 139.983 MeV [3.992 MeV]
(A_Xe:1287)
132Xe54 + 10 D* --> 131Xe54 + 21Ne10 + 136.224 MeV [00.232 MeV]
(A_Xe:1288)
132Xe54 + 10 D* --> 132Xe54 + 20Ne10 + 138.399 MeV [2.408 MeV]
(A_Xe:1289)
132Xe54 + 10 D* --> 133Cs55 + 19F9 + 131.635 MeV [-4.356 MeV]
(A_Xe:1290)
132Xe54 + 10 D* --> 134Ba56 + 18O8 + 131.808 MeV [-4.183 MeV]
(A_Xe:1291)
132Xe54 + 10 D* --> 135Ba56 + 17O8 + 130.736 MeV [-5.255 MeV]
(A_Xe:1292)
132Xe54 + 10 D* --> 136Ba56 + 16O8 + 135.701 MeV [-0.291 MeV]
(A_Xe:1293)
132Xe54 + 10 D* --> 138La57 + 14N7 + 125.738 MeV [-10.254 MeV]
(A_Xe:1294)
132Xe54 + 10 D* --> 140Ce58 + 12C6 + 130.160 MeV [-5.832 MeV]
(A_Xe:1295)
132Xe54 + 10 D* --> 141Pr59 + 11B5 + 119.430 MeV [-16.562 MeV]
(A_Xe:1296)
132Xe54 + 10 D* --> 143Nd60 + 9Be4 + 114.737 MeV [-21.255 MeV]
(A_Xe:1297)
132Xe54 + 10 D* --> 148Sm62 + 4He2 + 118.994 MeV [-16.998 MeV]
(A_Xe:1298)
132Xe54 + 10 D* --> 149Sm62 + 3He2 + 104.287 MeV [-31.704 MeV]
(A_Xe:1299)
132Xe54 + 10 D* --> 151Eu63 + 1H1 + 109.447 MeV [-26.545 MeV]
(A_Xe:1300)
132Xe54 + 10 D* --> 152Gd64 + 116.791 MeV [-19.201 MeV]

(A_Xe:1301)

132Xe54 + 11 D* --> 131Xe54 + 23Na11 + 153.158 MeV [1.853 MeV]
(A_Xe:1302)
132Xe54 + 11 D* --> 133Cs55 + 21Ne10 + 149.015 MeV [-2.289 MeV]
(A_Xe:1303)
132Xe54 + 11 D* --> 135Ba56 + 19F9 + 144.550 MeV [-6.754 MeV]
(A_Xe:1304)
132Xe54 + 11 D* --> 138La57 + 16O8 + 146.474 MeV [-4.830 MeV]
(A_Xe:1305)
132Xe54 + 11 D* --> 140Ce58 + 14N7 + 140.432 MeV [-10.872 MeV]
(A_Xe:1306)
132Xe54 + 11 D* --> 141Pr59 + 13C6 + 138.108 MeV [-13.196 MeV]
(A_Xe:1307)
132Xe54 + 11 D* --> 143Nd60 + 11B5 + 130.552 MeV [-20.752 MeV]
(A_Xe:1308)
132Xe54 + 11 D* --> 144Nd60 + 10B5 + 126.915 MeV [-24.390 MeV]
(A_Xe:1309)
132Xe54 + 11 D* --> 147Sm62 + 7Li3 + 119.576 MeV [-31.728 MeV]
(A_Xe:1310)
132Xe54 + 11 D* --> 148Sm62 + 6Li3 + 120.468 MeV [-30.837 MeV]
(A_Xe:1311)
132Xe54 + 11 D* --> 151Eu63 + 3He2 + 114.940 MeV [-36.364 MeV]
(A_Xe:1312)
132Xe54 + 11 D* --> 152Gd64 + 2H1 + 116.791 MeV [-34.513 MeV]
(A_Xe:1313)

132Xe54 + 12 D* --> 80Se34 + 76Ge32 + 219.321 MeV [52.402 MeV]
(A_Xe:1314)
132Xe54 + 12 D* --> 82Se34 + 74Ge32 + 219.365 MeV [52.446 MeV]
(A_Xe:1315)
132Xe54 + 12 D* --> 86Kr36 + 70Zn30 + 221.178 MeV [54.259 MeV]
(A_Xe:1316)
132Xe54 + 12 D* --> 108Pd46 + 48Ca20 + 202.087 MeV [35.168 MeV]
(A_Xe:1317)
132Xe54 + 12 D* --> 110Pd46 + 46Ca20 + 199.832 MeV [32.914 MeV]
(A_Xe:1318)
132Xe54 + 12 D* --> 116Cd48 + 40Ar18 + 192.107 MeV [25.189 MeV]
(A_Xe:1319)
132Xe54 + 12 D* --> 120Sn50 + 36S16 + 190.117 MeV [23.198 MeV]
(A_Xe:1320)
132Xe54 + 12 D* --> 122Sn50 + 34S16 + 188.226 MeV [21.307 MeV]
(A_Xe:1321)
132Xe54 + 12 D* --> 124Sn50 + 32S16 + 182.601 MeV [15.682 MeV]
(A_Xe:1322)
132Xe54 + 12 D* --> 126Te52 + 30Si14 + 182.846 MeV [15.927 MeV]
(A_Xe:1323)
132Xe54 + 12 D* --> 128Te52 + 28Si14 + 178.833 MeV [11.914 MeV]
(A_Xe:1324)
132Xe54 + 12 D* --> 130Xe54 + 26Mg12 + 174.444 MeV [7.526 MeV]
(A_Xe:1325)
132Xe54 + 12 D* --> 131Xe54 + 25Mg12 + 169.956 MeV [3.037 MeV]
(A_Xe:1326)
132Xe54 + 12 D* --> 132Xe54 + 24Mg12 + 171.562 MeV [4.643 MeV]

(A_Xe:1327)
 132Xe54 + 12 D* --> 133Cs55 + 23Na11 + 165.949 MeV [-0.970 MeV]
(A_Xe:1328)
 132Xe54 + 12 D* --> 134Ba56 + 22Ne10 + 165.323 MeV [-1.596 MeV]
(A_Xe:1329)
 132Xe54 + 12 D* --> 135Ba56 + 21Ne10 + 161.930 MeV [-4.988 MeV]
(A_Xe:1330)
 132Xe54 + 12 D* --> 136Ba56 + 20Ne10 + 164.277 MeV [-2.642 MeV]
(A_Xe:1331)
 132Xe54 + 12 D* --> 138Ce58 + 18O8 + 156.698 MeV [-10.221 MeV]
(A_Xe:1332)
 132Xe54 + 12 D* --> 140Ce58 + 16O8 + 161.168 MeV [-5.750 MeV]
(A_Xe:1333)
 132Xe54 + 12 D* --> 141Pr59 + 15N7 + 154.268 MeV [-12.651 MeV]
(A_Xe:1334)
 132Xe54 + 12 D* --> 143Nd60 + 13C6 + 149.231 MeV [-17.688 MeV]
(A_Xe:1335)
 132Xe54 + 12 D* --> 144Nd60 + 12C6 + 152.101 MeV [-14.818 MeV]
(A_Xe:1336)
 132Xe54 + 12 D* --> 147Sm62 + 9Be4 + 136.273 MeV [-30.646 MeV]
(A_Xe:1337)
 132Xe54 + 12 D* --> 152Gd64 + 4He2 + 140.637 MeV [-26.281 MeV]
(A_Xe:1338)
 132Xe54 + 12 D* --> 156Dy66 + 138.878 MeV [-28.041 MeV]
(A_Xe:1339)

 134Xe54 + 2 D* --> 134Xe54 + 4He2 + 23.847 MeV [-0.675 MeV]
(A_Xe:1340)
 134Xe54 + 2 D* --> 138Ba56 + 26.409 MeV [1.887 MeV]
(A_Xe:1341)

 134Xe54 + 3 D* --> 130Te52 + 10B5 + 26.583 MeV [-10.689 MeV]
(A_Xe:1342)
 134Xe54 + 3 D* --> 134Xe54 + 6Li3 + 25.320 MeV [-11.952 MeV]
(A_Xe:1343)
 134Xe54 + 3 D* --> 138Ba56 + 2H1 + 26.409 MeV [-10.864 MeV]
(A_Xe:1344)

 134Xe54 + 4 D* --> 124Sn50 + 18O8 + 53.437 MeV [3.091 MeV]
(A_Xe:1345)
 134Xe54 + 4 D* --> 130Te52 + 12C6 + 51.770 MeV [1.425 MeV]
(A_Xe:1346)
 134Xe54 + 4 D* --> 138Ba56 + 4He2 + 50.255 MeV [-0.090 MeV]
(A_Xe:1347)
 134Xe54 + 4 D* --> 142Ce58 + 48.957 MeV [-1.388 MeV]
(A_Xe:1348)

 134Xe54 + 5 D* --> 130Te52 + 14N7 + 62.042 MeV [-1.696 MeV]
(A_Xe:1349)
 134Xe54 + 5 D* --> 134Xe54 + 10B5 + 53.628 MeV [-10.110 MeV]
(A_Xe:1350)
 134Xe54 + 5 D* --> 137Ba56 + 7Li3 + 50.367 MeV [-13.370 MeV]
(A_Xe:1351)

134Xe54 + 5 D* --> 138Ba56 + 6Li3 + 51.729 MeV [-12.009 MeV]
(A_Xe:1352)
134Xe54 + 5 D* --> 142Ce58 + 2H1 + 48.957 MeV [-14.781 MeV]
(A_Xe:1353)

134Xe54 + 6 D* --> 124Sn50 + 22Ne10 + 86.951 MeV [9.504 MeV]
(A_Xe:1354)
134Xe54 + 6 D* --> 128Te52 + 18O8 + 80.463 MeV [3.016 MeV]
(A_Xe:1355)
134Xe54 + 6 D* --> 130Te52 + 16O8 + 82.778 MeV [5.331 MeV]
(A_Xe:1356)
134Xe54 + 6 D* --> 134Xe54 + 12C6 + 78.814 MeV [1.367 MeV]
(A_Xe:1357)
134Xe54 + 6 D* --> 137Ba56 + 9Be4 + 67.063 MeV [-10.384 MeV]
(A_Xe:1358)
134Xe54 + 6 D* --> 139La57 + 7Li3 + 63.013 MeV [-14.434 MeV]
(A_Xe:1359)
134Xe54 + 6 D* --> 142Ce58 + 4He2 + 72.803 MeV [-4.644 MeV]
(A_Xe:1360)
134Xe54 + 6 D* --> 146Nd60 + 71.621 MeV [-5.826 MeV]
(A_Xe:1361)

134Xe54 + 7 D* --> 134Xe54 + 14N7 + 89.087 MeV [-2.384 MeV]
(A_Xe:1362)
134Xe54 + 7 D* --> 137Ba56 + 11B5 + 82.879 MeV [-8.592 MeV]
(A_Xe:1363)
134Xe54 + 7 D* --> 138Ba56 + 10B5 + 80.036 MeV [-11.434 MeV]
(A_Xe:1364)
134Xe54 + 7 D* --> 139La57 + 9Be4 + 79.709 MeV [-11.761 MeV]
(A_Xe:1365)
134Xe54 + 7 D* --> 142Ce58 + 6Li3 + 74.277 MeV [-17.193 MeV]
(A_Xe:1366)
134Xe54 + 7 D* --> 146Nd60 + 2H1 + 71.621 MeV [-19.850 MeV]
(A_Xe:1367)

134Xe54 + 8 D* --> 124Sn50 + 26Mg12 + 121.413 MeV [15.607 MeV]
(A_Xe:1368)
134Xe54 + 8 D* --> 128Te52 + 22Ne10 + 113.978 MeV [8.173 MeV]
(A_Xe:1369)
134Xe54 + 8 D* --> 130Te52 + 20Ne10 + 111.355 MeV [5.549 MeV]
(A_Xe:1370)
134Xe54 + 8 D* --> 132Xe54 + 18O8 + 107.023 MeV [1.218 MeV]
(A_Xe:1371)
134Xe54 + 8 D* --> 134Xe54 + 16O8 + 109.823 MeV [4.017 MeV]
(A_Xe:1372)
134Xe54 + 8 D* --> 137Ba56 + 13C6 + 101.558 MeV [-4.248 MeV]
(A_Xe:1373)
134Xe54 + 8 D* --> 138Ba56 + 12C6 + 105.223 MeV [-0.583 MeV]
(A_Xe:1374)
134Xe54 + 8 D* --> 139La57 + 11B5 + 95.525 MeV [-10.281 MeV]
(A_Xe:1375)
134Xe54 + 8 D* --> 146Nd60 + 4He2 + 95.467 MeV [-10.338 MeV]
(A_Xe:1376)
134Xe54 + 8 D* --> 150Sm62 + 94.019 MeV [-11.787 MeV]

(A_Xe:1377)

134Xe54 + 9 D* --> 137Ba56 + 15N7 + 117.717 MeV [-2.733 MeV]
(A_Xe:1378)
134Xe54 + 9 D* --> 138Ba56 + 14N7 + 115.495 MeV [-4.954 MeV]
(A_Xe:1379)
134Xe54 + 9 D* --> 139La57 + 13C6 + 114.203 MeV [-6.246 MeV]
(A_Xe:1380)
134Xe54 + 9 D* --> 142Ce58 + 10B5 + 102.585 MeV [-17.865 MeV]
(A_Xe:1381)
134Xe54 + 9 D* --> 145Nd60 + 7Li3 + 96.626 MeV [-23.824 MeV]
(A_Xe:1382)
134Xe54 + 9 D* --> 146Nd60 + 6Li3 + 96.941 MeV [-23.508 MeV]
(A_Xe:1383)
134Xe54 + 9 D* --> 150Sm62 + 2H1 + 94.019 MeV [-26.431 MeV]
(A_Xe:1384)

134Xe54 + 10 D* --> 124Sn50 + 30Si14 + 155.902 MeV [20.502 MeV]
(A_Xe:1385)
134Xe54 + 10 D* --> 128Te52 + 26Mg12 + 148.439 MeV [13.039 MeV]
(A_Xe:1386)
134Xe54 + 10 D* --> 130Te52 + 24Mg12 + 144.518 MeV [9.117 MeV]
(A_Xe:1387)
134Xe54 + 10 D* --> 132Xe54 + 22Ne10 + 140.538 MeV [5.138 MeV]
(A_Xe:1388)
134Xe54 + 10 D* --> 134Xe54 + 20Ne10 + 138.399 MeV [2.999 MeV]
(A_Xe:1389)
134Xe54 + 10 D* --> 136Ba56 + 18O8 + 132.901 MeV [-2.499 MeV]
(A_Xe:1390)
134Xe54 + 10 D* --> 137Ba56 + 17O8 + 131.763 MeV [-3.637 MeV]
(A_Xe:1391)
134Xe54 + 10 D* --> 138Ba56 + 16O8 + 136.231 MeV [00.831 MeV]
(A_Xe:1392)
134Xe54 + 10 D* --> 139La57 + 15N7 + 130.363 MeV [-5.038 MeV]
(A_Xe:1393)
134Xe54 + 10 D* --> 142Ce58 + 12C6 + 127.771 MeV [-7.629 MeV]
(A_Xe:1394)
134Xe54 + 10 D* --> 145Nd60 + 9Be4 + 113.322 MeV [-22.078 MeV]
(A_Xe:1395)
134Xe54 + 10 D* --> 150Sm62 + 4He2 + 117.865 MeV [-17.535 MeV]
(A_Xe:1396)
134Xe54 + 10 D* --> 153Eu63 + 1H1 + 109.317 MeV [-26.083 MeV]
(A_Xe:1397)
134Xe54 + 10 D* --> 154Gd64 + 116.946 MeV [-18.454 MeV]
(A_Xe:1398)

134Xe54 + 11 D* --> 137Ba56 + 19F9 + 145.577 MeV [-5.078 MeV]
(A_Xe:1399)
134Xe54 + 11 D* --> 138La57 + 18O8 + 143.675 MeV [-6.980 MeV]
(A_Xe:1400)
134Xe54 + 11 D* --> 139La57 + 17O8 + 144.409 MeV [-6.246 MeV]
(A_Xe:1401)
134Xe54 + 11 D* --> 142Ce58 + 14N7 + 138.044 MeV [-12.612 MeV]
(A_Xe:1402)

134Xe54 + 11 D* --> 145Nd60 + 11B5 + 129.138 MeV [-21.517 MeV]
(A_Xe:1403)
134Xe54 + 11 D* --> 146Nd60 + 10B5 + 125.249 MeV [-25.406 MeV]
(A_Xe:1404)
134Xe54 + 11 D* --> 149Sm62 + 7Li3 + 118.602 MeV [-32.053 MeV]
(A_Xe:1405)
134Xe54 + 11 D* --> 150Sm62 + 6Li3 + 119.339 MeV [-31.316 MeV]
(A_Xe:1406)
134Xe54 + 11 D* --> 153Eu63 + 3He2 + 114.811 MeV [-35.844 MeV]
(A_Xe:1407)
134Xe54 + 11 D* --> 154Gd64 + 2H1 + 116.946 MeV [-33.709 MeV]
(A_Xe:1408)
134Xe54 + 11 D* --> 155Gd64 + 1H1 + 121.157 MeV [-29.498 MeV]
(A_Xe:1409)

134Xe54 + 12 D* --> 82Se34 + 76Ge32 + 220.311 MeV [54.100 MeV]
(A_Xe:1410)
134Xe54 + 12 D* --> 110Pd46 + 48Ca20 + 202.067 MeV [35.856 MeV]
(A_Xe:1411)
134Xe54 + 12 D* --> 122Sn50 + 36S16 + 190.114 MeV [23.903 MeV]
(A_Xe:1412)
134Xe54 + 12 D* --> 124Sn50 + 34S16 + 187.673 MeV [21.461 MeV]
(A_Xe:1413)
134Xe54 + 12 D* --> 128Te52 + 30Si14 + 182.929 MeV [16.718 MeV]
(A_Xe:1414)
134Xe54 + 12 D* --> 130Te52 + 28Si14 + 178.348 MeV [12.137 MeV]
(A_Xe:1415)
134Xe54 + 12 D* --> 132Xe54 + 26Mg12 + 174.999 MeV [8.788 MeV]
(A_Xe:1416)
134Xe54 + 12 D* --> 134Xe54 + 24Mg12 + 171.562 MeV [5.351 MeV]
(A_Xe:1417)
134Xe54 + 12 D* --> 136Ba56 + 22Ne10 + 166.416 MeV [00.204 MeV]
(A_Xe:1418)
134Xe54 + 12 D* --> 137Ba56 + 21Ne10 + 162.957 MeV [-3.254 MeV]
(A_Xe:1419)
134Xe54 + 12 D* --> 138Ba56 + 20Ne10 + 164.808 MeV [-1.404 MeV]
(A_Xe:1420)
134Xe54 + 12 D* --> 139La57 + 19F9 + 158.223 MeV [-7.989 MeV]
(A_Xe:1421)
134Xe54 + 12 D* --> 140Ce58 + 18O8 + 158.369 MeV [-7.843 MeV]
(A_Xe:1422)
134Xe54 + 12 D* --> 142Ce58 + 16O8 + 158.780 MeV [-7.432 MeV]
(A_Xe:1423)
134Xe54 + 12 D* --> 145Nd60 + 13C6 + 147.816 MeV [-18.395 MeV]
(A_Xe:1424)
134Xe54 + 12 D* --> 146Nd60 + 12C6 + 150.435 MeV [-15.776 MeV]
(A_Xe:1425)
134Xe54 + 12 D* --> 149Sm62 + 9Be4 + 135.298 MeV [-30.913 MeV]
(A_Xe:1426)
134Xe54 + 12 D* --> 151Eu63 + 7Li3 + 129.255 MeV [-36.956 MeV]
(A_Xe:1427)
134Xe54 + 12 D* --> 154Gd64 + 4He2 + 140.792 MeV [-25.419 MeV]
(A_Xe:1428)
134Xe54 + 12 D* --> 155Gd64 + 3He2 + 126.650 MeV [-39.562 MeV]

(A_Xe:1429)
134Xe54 + 12 D* --> 158Dy66 + 139.916 MeV [-26.295 MeV]
(A_Xe:1430)

136Xe54 + 2 D* --> 136Xe54 + 4He2 + 23.847 MeV [-0.558 MeV]
(A_Xe:1431)

136Xe54 + 3 D* --> 136Xe54 + 6Li3 + 25.320 MeV [-11.776 MeV]
(A_Xe:1432)

136Xe54 + 5 D* --> 136Xe54 + 10B5 + 53.628 MeV [-9.817 MeV]
(A_Xe:1433)

136Xe54 + 6 D* --> 130Te52 + 18O8 + 80.522 MeV [3.426 MeV]
(A_Xe:1434)
136Xe54 + 6 D* --> 136Xe54 + 12C6 + 78.814 MeV [1.718 MeV]
(A_Xe:1435)
136Xe54 + 6 D* --> 148Nd60 + 69.803 MeV [-7.294 MeV]
(A_Xe:1436)

136Xe54 + 7 D* --> 136Xe54 + 14N7 + 89.087 MeV [-1.976 MeV]
(A_Xe:1437)
136Xe54 + 7 D* --> 148Nd60 + 2H1 + 69.803 MeV [-21.260 MeV]
(A_Xe:1438)

136Xe54 + 8 D* --> 130Te52 + 22Ne10 + 114.037 MeV [8.697 MeV]
(A_Xe:1439)
136Xe54 + 8 D* --> 134Xe54 + 18O8 + 107.567 MeV [2.227 MeV]
(A_Xe:1440)
136Xe54 + 8 D* --> 136Xe54 + 16O8 + 109.823 MeV [4.483 MeV]
(A_Xe:1441)
136Xe54 + 8 D* --> 148Nd60 + 4He2 + 93.649 MeV [-11.690 MeV]
(A_Xe:1442)
136Xe54 + 8 D* --> 152Sm62 + 93.429 MeV [-11.910 MeV]
(A_Xe:1443)

136Xe54 + 9 D* --> 148Nd60 + 6Li3 + 95.123 MeV [-24.803 MeV]
(A_Xe:1444)
136Xe54 + 9 D* --> 152Sm62 + 2H1 + 93.429 MeV [-26.497 MeV]
(A_Xe:1445)

136Xe54 + 10 D* --> 130Te52 + 26Mg12 + 148.498 MeV [13.679 MeV]
(A_Xe:1446)
136Xe54 + 10 D* --> 134Xe54 + 22Ne10 + 141.081 MeV [6.262 MeV]
(A_Xe:1447)
136Xe54 + 10 D* --> 136Xe54 + 20Ne10 + 138.399 MeV [3.580 MeV]
(A_Xe:1448)
136Xe54 + 10 D* --> 138Ba56 + 18O8 + 133.975 MeV [-0.844 MeV]
(A_Xe:1449)
136Xe54 + 10 D* --> 152Sm62 + 4He2 + 117.276 MeV [-17.543 MeV]
(A_Xe:1450)
136Xe54 + 10 D* --> 156Gd64 + 117.474 MeV [-17.345 MeV]

(A_Xe:1451)

136Xe54 + 11 D* --> 148Nd60 + 10B5 + 123.430 MeV [-26.586 MeV]
(A_Xe:1452)
136Xe54 + 11 D* --> 152Sm62 + 6Li3 + 118.750 MeV [-31.267 MeV]
(A_Xe:1453)
136Xe54 + 11 D* --> 156Gd64 + 2H1 + 117.474 MeV [-32.542 MeV]
(A_Xe:1454)
136Xe54 + 11 D* --> 157Gd64 + 1H1 + 121.610 MeV [-28.407 MeV]
(A_Xe:1455)

136Xe54 + 12 D* --> 124Sn50 + 36S16 + 190.104 MeV [24.588 MeV]
(A_Xe:1456)
136Xe54 + 12 D* --> 130Te52 + 30Si14 + 182.988 MeV [17.472 MeV]
(A_Xe:1457)
136Xe54 + 12 D* --> 134Xe54 + 26Mg12 + 175.543 MeV [10.026 MeV]
(A_Xe:1458)
136Xe54 + 12 D* --> 136Xe54 + 24Mg12 + 171.562 MeV [6.046 MeV]
(A_Xe:1459)
136Xe54 + 12 D* --> 138Ba56 + 22Ne10 + 167.490 MeV [1.974 MeV]
(A_Xe:1460)
136Xe54 + 12 D* --> 142Ce58 + 18O8 + 156.524 MeV [-8.993 MeV]
(A_Xe:1461)
136Xe54 + 12 D* --> 148Nd60 + 12C6 + 148.617 MeV [-16.899 MeV]
(A_Xe:1462)
136Xe54 + 12 D* --> 153Eu63 + 7Li3 + 129.669 MeV [-35.847 MeV]
(A_Xe:1463)
136Xe54 + 12 D* --> 156Gd64 + 4He2 + 141.321 MeV [-24.195 MeV]
(A_Xe:1464)
136Xe54 + 12 D* --> 157Gd64 + 3He2 + 127.103 MeV [-38.413 MeV]
(A_Xe:1465)
136Xe54 + 12 D* --> 159Tb65 + 1H1 + 133.454 MeV [-32.063 MeV]
(A_Xe:1466)
136Xe54 + 12 D* --> 160Dy66 + 140.882 MeV [-24.635 MeV]
(A_Xe:1467)

---------- Equations follow for Cesium, Cs, element 55 ----------

133Cs55 + D* --> 122Sn50 + 13C6 + 11.886 MeV [-0.465 MeV] (A_Cs:1)
133Cs55 + D* --> 126Te52 + 9Be4 + 3.782 MeV [-8.569 MeV] (A_Cs:2)
133Cs55 + D* --> 131Xe54 + 4He2 + 11.055 MeV [-1.296 MeV] (A_Cs:3)
133Cs55 + D* --> 135Ba56 + 12.915 MeV [00.564 MeV] (A_Cs:4)

133Cs55 + 2 D* --> 122Sn50 + 15N7 + 28.045 MeV [3.017 MeV] (A_Cs:5)
133Cs55 + 2 D* --> 126Te52 + 11B5 + 19.597 MeV [-5.431 MeV] (A_Cs:6)
133Cs55 + 2 D* --> 130Xe54 + 7Li3 + 13.174 MeV [-11.854 MeV] (A_Cs:7)
133Cs55 + 2 D* --> 131Xe54 + 6Li3 + 12.529 MeV [-12.499 MeV] (A_Cs:8)
133Cs55 + 2 D* --> 133Cs55 + 4He2 + 23.847 MeV [-1.182 MeV] (A_Cs:9)
133Cs55 + 2 D* --> 135Ba56 + 2H1 + 12.915 MeV [-12.113 MeV] (A_Cs:10)
133Cs55 + 2 D* --> 136Ba56 + 1H1 + 19.798 MeV [-5.230 MeV] (A_Cs:11)

133Cs55 + 3 D* --> 122Sn50 + 17O8 + 42.091 MeV [4.062 MeV] (A_Cs:12)
133Cs55 + 3 D* --> 126Te52 + 13C6 + 38.276 MeV [00.247 MeV] (A_Cs:13)
133Cs55 + 3 D* --> 130Xe54 + 9Be4 + 29.870 MeV [-8.158 MeV] (A_Cs:14)

133Cs55 + 3 D* --> 133Cs55 + 6Li3 + 25.320 MeV [-12.708 MeV] (A_Cs:15)
133Cs55 + 3 D* --> 135Ba56 + 4He2 + 36.762 MeV [-1.267 MeV] (A_Cs:16)
133Cs55 + 3 D* --> 136Ba56 + 3He2 + 25.292 MeV [-12.737 MeV] (A_Cs:17)
133Cs55 + 3 D* --> 138La57 + 1H1 + 30.572 MeV [-7.457 MeV] (A_Cs:18)

133Cs55 + 4 D* --> 122Sn50 + 19F9 + 55.905 MeV [4.556 MeV] (A_Cs:19)
133Cs55 + 4 D* --> 123Sb51 + 18O8 + 54.478 MeV [3.128 MeV] (A_Cs:20)
133Cs55 + 4 D* --> 126Te52 + 15N7 + 54.435 MeV [3.086 MeV] (A_Cs:21)
133Cs55 + 4 D* --> 130Xe54 + 11B5 + 45.686 MeV [-5.664 MeV] (A_Cs:22)
133Cs55 + 4 D* --> 131Xe54 + 10B5 + 40.836 MeV [-10.513 MeV] (A_Cs:23)
133Cs55 + 4 D* --> 134Ba56 + 7Li3 + 38.514 MeV [-12.836 MeV] (A_Cs:24)
133Cs55 + 4 D* --> 135Ba56 + 6Li3 + 38.236 MeV [-13.114 MeV] (A_Cs:25)
133Cs55 + 4 D* --> 138La57 + 3He2 + 36.065 MeV [-15.284 MeV] (A_Cs:26)
133Cs55 + 4 D* --> 140Ce58 + 1H1 + 45.266 MeV [-6.083 MeV] (A_Cs:27)
133Cs55 + 4 D* --> 141Pr59 + 50.493 MeV [-0.856 MeV] (A_Cs:28)

133Cs55 + 5 D* --> 122Sn50 + 21Ne10 + 73.285 MeV [8.298 MeV] (A_Cs:29)
133Cs55 + 5 D* --> 125Te52 + 18O8 + 67.411 MeV [2.424 MeV] (A_Cs:30)
133Cs55 + 5 D* --> 126Te52 + 17O8 + 68.481 MeV [3.494 MeV] (A_Cs:31)
133Cs55 + 5 D* --> 130Xe54 + 13C6 + 64.364 MeV [-0.623 MeV] (A_Cs:32)
133Cs55 + 5 D* --> 131Xe54 + 12C6 + 66.023 MeV [1.035 MeV] (A_Cs:33)
133Cs55 + 5 D* --> 133Cs55 + 10B5 + 53.628 MeV [-11.360 MeV] (A_Cs:34)
133Cs55 + 5 D* --> 134Ba56 + 9Be4 + 55.210 MeV [-9.778 MeV] (A_Cs:35)
133Cs55 + 5 D* --> 140Ce58 + 3He2 + 50.760 MeV [-14.228 MeV] (A_Cs:36)
133Cs55 + 5 D* --> 141Pr59 + 2H1 + 50.493 MeV [-14.495 MeV] (A_Cs:37)
133Cs55 + 5 D* --> 143Nd60 + 61.615 MeV [-3.372 MeV] (A_Cs:38)

133Cs55 + 6 D* --> 122Sn50 + 23Na11 + 90.219 MeV [11.279 MeV] (A_Cs:39)
133Cs55 + 6 D* --> 123Sb51 + 22Ne10 + 87.992 MeV [9.052 MeV] (A_Cs:40)
133Cs55 + 6 D* --> 126Te52 + 19F9 + 82.295 MeV [3.355 MeV] (A_Cs:41)
133Cs55 + 6 D* --> 127I53 + 18O8 + 80.508 MeV [1.568 MeV] (A_Cs:42)
133Cs55 + 6 D* --> 130Xe54 + 15N7 + 80.524 MeV [1.583 MeV] (A_Cs:43)
133Cs55 + 6 D* --> 131Xe54 + 14N7 + 76.295 MeV [-2.645 MeV] (A_Cs:44)
133Cs55 + 6 D* --> 133Cs55 + 12C6 + 78.814 MeV [-0.126 MeV] (A_Cs:45)
133Cs55 + 6 D* --> 134Ba56 + 11B5 + 71.025 MeV [-7.915 MeV] (A_Cs:46)
133Cs55 + 6 D* --> 135Ba56 + 10B5 + 66.543 MeV [-12.397 MeV] (A_Cs:47)
133Cs55 + 6 D* --> 138Ce58 + 7Li3 + 63.404 MeV [-15.537 MeV] (A_Cs:48)
133Cs55 + 6 D* --> 141Pr59 + 4He2 + 74.339 MeV [-4.601 MeV] (A_Cs:49)
133Cs55 + 6 D* --> 143Nd60 + 2H1 + 61.615 MeV [-17.325 MeV] (A_Cs:50)
133Cs55 + 6 D* --> 144Nd60 + 1H1 + 67.208 MeV [-11.733 MeV] (A_Cs:51)

133Cs55 + 7 D* --> 122Sn50 + 25Mg12 + 107.018 MeV [13.812 MeV] (A_Cs:52)
133Cs55 + 7 D* --> 125Te52 + 22Ne10 + 100.926 MeV [7.721 MeV] (A_Cs:53)
133Cs55 + 7 D* --> 126Te52 + 21Ne10 + 99.675 MeV [6.470 MeV] (A_Cs:54)
133Cs55 + 7 D* --> 129Xe54 + 18O8 + 93.358 MeV [00.153 MeV] (A_Cs:55)
133Cs55 + 7 D* --> 130Xe54 + 17O8 + 94.570 MeV [1.364 MeV] (A_Cs:56)
133Cs55 + 7 D* --> 131Xe54 + 16O8 + 97.031 MeV [3.826 MeV] (A_Cs:57)
133Cs55 + 7 D* --> 133Cs55 + 14N7 + 89.087 MeV [-4.119 MeV] (A_Cs:58)
133Cs55 + 7 D* --> 134Ba56 + 13C6 + 89.704 MeV [-3.501 MeV] (A_Cs:59)
133Cs55 + 7 D* --> 135Ba56 + 12C6 + 91.730 MeV [-1.476 MeV] (A_Cs:60)
133Cs55 + 7 D* --> 138Ce58 + 9Be4 + 80.100 MeV [-13.105 MeV] (A_Cs:61)
133Cs55 + 7 D* --> 141Pr59 + 6Li3 + 75.813 MeV [-17.392 MeV] (A_Cs:62)
133Cs55 + 7 D* --> 143Nd60 + 4He2 + 85.462 MeV [-7.744 MeV] (A_Cs:63)
133Cs55 + 7 D* --> 144Nd60 + 3He2 + 72.701 MeV [-20.504 MeV] (A_Cs:64)

133Cs55 + 7 D* --> 147Sm62 + 83.151 MeV [-10.054 MeV] (A_Cs:65)

133Cs55 + 8 D* --> 122Sn50 + 27Al13 + 124.157 MeV [16.377 MeV] (A_Cs:66)
133Cs55 + 8 D* --> 123Sb51 + 26Mg12 + 122.454 MeV [14.673 MeV] (A_Cs:67)
133Cs55 + 8 D* --> 126Te52 + 23Na11 + 116.609 MeV [8.829 MeV] (A_Cs:68)
133Cs55 + 8 D* --> 127I53 + 22Ne10 + 114.023 MeV [6.243 MeV] (A_Cs:69)
133Cs55 + 8 D* --> 130Xe54 + 19F9 + 108.384 MeV [00.604 MeV] (A_Cs:70)
133Cs55 + 8 D* --> 133Cs55 + 16O8 + 109.823 MeV [2.043 MeV] (A_Cs:71)
133Cs55 + 8 D* --> 134Ba56 + 15N7 + 105.863 MeV [-1.917 MeV] (A_Cs:72)
133Cs55 + 8 D* --> 135Ba56 + 14N7 + 102.002 MeV [-5.778 MeV] (A_Cs:73)
133Cs55 + 8 D* --> 138Ce58 + 11B5 + 95.915 MeV [-11.865 MeV] (A_Cs:74)
133Cs55 + 8 D* --> 142Nd60 + 7Li3 + 88.062 MeV [-19.718 MeV] (A_Cs:75)
133Cs55 + 8 D* --> 143Nd60 + 6Li3 + 86.935 MeV [-20.845 MeV] (A_Cs:76)
133Cs55 + 8 D* --> 147Sm62 + 2H1 + 83.151 MeV [-24.629 MeV] (A_Cs:77)
133Cs55 + 8 D* --> 148Sm62 + 1H1 + 89.068 MeV [-18.712 MeV] (A_Cs:78)

133Cs55 + 9 D* --> 122Sn50 + 29Si14 + 141.992 MeV [19.330 MeV] (A_Cs:79)
133Cs55 + 9 D* --> 125Te52 + 26Mg12 + 135.387 MeV [12.725 MeV] (A_Cs:80)
133Cs55 + 9 D* --> 126Te52 + 25Mg12 + 133.408 MeV [10.746 MeV] (A_Cs:81)
133Cs55 + 9 D* --> 129Xe54 + 22Ne10 + 126.873 MeV [4.211 MeV] (A_Cs:82)
133Cs55 + 9 D* --> 130Xe54 + 21Ne10 + 125.764 MeV [3.102 MeV] (A_Cs:83)
133Cs55 + 9 D* --> 131Xe54 + 20Ne10 + 125.608 MeV [2.946 MeV] (A_Cs:84)
133Cs55 + 9 D* --> 134Ba56 + 17O8 + 119.909 MeV [-2.753 MeV] (A_Cs:85)
133Cs55 + 9 D* --> 135Ba56 + 16O8 + 122.738 MeV [00.076 MeV] (A_Cs:86)
133Cs55 + 9 D* --> 138Ce58 + 13C6 + 114.594 MeV [-8.068 MeV] (A_Cs:87)
133Cs55 + 9 D* --> 141Pr59 + 10B5 + 104.121 MeV [-18.541 MeV] (A_Cs:88)
133Cs55 + 9 D* --> 142Nd60 + 9Be4 + 104.758 MeV [-17.904 MeV] (A_Cs:89)
133Cs55 + 9 D* --> 147Sm62 + 4He2 + 106.998 MeV [-15.664 MeV] (A_Cs:90)
133Cs55 + 9 D* --> 148Sm62 + 3He2 + 94.561 MeV [-28.100 MeV] (A_Cs:91)

133Cs55 + 10 D* --> 82Se34 + 71Ga31 + 191.021 MeV [53.172 MeV] (A_Cs:92)
133Cs55 + 10 D* --> 116Cd48 + 37Cl17 + 163.767 MeV [25.919 MeV] (A_Cs:93)
133Cs55 + 10 D* --> 122Sn50 + 31P15 + 157.673 MeV [19.825 MeV] (A_Cs:94)
133Cs55 + 10 D* --> 123Sb51 + 30Si14 + 156.943 MeV [19.095 MeV] (A_Cs:95)
133Cs55 + 10 D* --> 126Te52 + 27Al13 + 150.547 MeV [12.699 MeV] (A_Cs:96)
133Cs55 + 10 D* --> 127I53 + 26Mg12 + 148.484 MeV [10.635 MeV] (A_Cs:97)
133Cs55 + 10 D* --> 130Xe54 + 23Na11 + 142.698 MeV [4.849 MeV] (A_Cs:98)
133Cs55 + 10 D* --> 133Cs55 + 20Ne10 + 138.399 MeV [00.551 MeV] (A_Cs:99)
133Cs55 + 10 D* --> 134Ba56 + 19F9 + 133.724 MeV [-4.125 MeV] (A_Cs:100)
133Cs55 + 10 D* --> 138Ce58 + 15N7 + 130.753 MeV [-7.095 MeV] (A_Cs:101)
133Cs55 + 10 D* --> 141Pr59 + 12C6 + 129.307 MeV [-8.541 MeV] (A_Cs:102)
133Cs55 + 10 D* --> 142Nd60 + 11B5 + 120.574 MeV [-17.275 MeV] (A_Cs:103)
133Cs55 + 10 D* --> 143Nd60 + 10B5 + 115.243 MeV [-22.606 MeV] (A_Cs:104)
133Cs55 + 10 D* --> 147Sm62 + 6Li3 + 108.472 MeV [-29.377 MeV] (A_Cs:105)
133Cs55 + 10 D* --> 152Gd64 + 1H1 + 110.711 MeV [-27.137 MeV] (A_Cs:106)

133Cs55 + 11 D* --> 82Se34 + 73Ge32 + 205.314 MeV [51.976 MeV] (A_Cs:107)
133Cs55 + 11 D* --> 119Sn50 + 36S16 + 177.154 MeV [23.817 MeV] (A_Cs:108)
133Cs55 + 11 D* --> 122Sn50 + 33S16 + 172.954 MeV [19.617 MeV] (A_Cs:109)
133Cs55 + 11 D* --> 125Te52 + 30Si14 + 169.877 MeV [16.540 MeV] (A_Cs:110)
133Cs55 + 11 D* --> 126Te52 + 29Si14 + 168.382 MeV [15.044 MeV] (A_Cs:111)
133Cs55 + 11 D* --> 129Xe54 + 26Mg12 + 161.334 MeV [7.997 MeV] (A_Cs:112)
133Cs55 + 11 D* --> 130Xe54 + 25Mg12 + 159.497 MeV [6.159 MeV] (A_Cs:113)
133Cs55 + 11 D* --> 131Xe54 + 24Mg12 + 158.771 MeV [5.433 MeV] (A_Cs:114)

133Cs55 + 11 D* --> 134Ba56 + 21Ne10 + 151.104 MeV [-2.234 MeV] (A_Cs:115)
133Cs55 + 11 D* --> 135Ba56 + 20Ne10 + 151.314 MeV [-2.023 MeV] (A_Cs:116)
133Cs55 + 11 D* --> 138Ce58 + 17O8 + 144.799 MeV [-8.538 MeV] (A_Cs:117)
133Cs55 + 11 D* --> 141Pr59 + 14N7 + 139.579 MeV [-13.758 MeV] (A_Cs:118)
133Cs55 + 11 D* --> 142Nd60 + 13C6 + 139.252 MeV [-14.085 MeV] (A_Cs:119)
133Cs55 + 11 D* --> 143Nd60 + 12C6 + 140.429 MeV [-12.908 MeV] (A_Cs:120)
133Cs55 + 11 D* --> 152Gd64 + 3He2 + 116.205 MeV [-37.132 MeV] (A_Cs:121)

133Cs55 + 12 D* --> 82Se34 + 75As33 + 220.184 MeV [51.058 MeV] (A_Cs:122)
133Cs55 + 12 D* --> 81Br35 + 76Ge32 + 220.746 MeV [51.619 MeV] (A_Cs:123)
133Cs55 + 12 D* --> 86Kr36 + 71Ga31 + 222.964 MeV [53.837 MeV] (A_Cs:124)
133Cs55 + 12 D* --> 87Rb37 + 70Zn30 + 223.720 MeV [54.594 MeV] (A_Cs:125)
133Cs55 + 12 D* --> 109Ag47 + 48Ca20 + 202.495 MeV [33.368 MeV] (A_Cs:126)
133Cs55 + 12 D* --> 116Cd48 + 41K19 + 193.836 MeV [24.710 MeV] (A_Cs:127)
133Cs55 + 12 D* --> 120Sn50 + 37Cl17 + 192.424 MeV [23.298 MeV] (A_Cs:128)
133Cs55 + 12 D* --> 122Sn50 + 35Cl17 + 188.517 MeV [19.391 MeV] (A_Cs:129)
133Cs55 + 12 D* --> 121Sb51 + 36S16 + 189.817 MeV [20.691 MeV] (A_Cs:130)
133Cs55 + 12 D* --> 123Sb51 + 34S16 + 188.714 MeV [19.587 MeV] (A_Cs:131)
133Cs55 + 12 D* --> 126Te52 + 31P15 + 184.063 MeV [14.937 MeV] (A_Cs:132)
133Cs55 + 12 D* --> 127I53 + 30Si14 + 182.974 MeV [13.847 MeV] (A_Cs:133)
133Cs55 + 12 D* --> 130Xe54 + 27Al13 + 176.636 MeV [7.510 MeV] (A_Cs:134)
133Cs55 + 12 D* --> 133Cs55 + 24Mg12 + 171.562 MeV [2.436 MeV] (A_Cs:135)
133Cs55 + 12 D* --> 134Ba56 + 23Na11 + 168.037 MeV [-1.089 MeV] (A_Cs:136)
133Cs55 + 12 D* --> 138Ce58 + 19F9 + 158.614 MeV [-10.513 MeV] (A_Cs:137)
133Cs55 + 12 D* --> 141Pr59 + 16O8 + 160.316 MeV [-8.811 MeV] (A_Cs:138)
133Cs55 + 12 D* --> 142Nd60 + 15N7 + 155.411 MeV [-13.715 MeV] (A_Cs:139)
133Cs55 + 12 D* --> 143Nd60 + 14N7 + 150.702 MeV [-18.425 MeV] (A_Cs:140)
133Cs55 + 12 D* --> 147Sm62 + 10B5 + 136.779 MeV [-32.347 MeV] (A_Cs:141)
133Cs55 + 12 D* --> 156Dy66 + 1H1 + 132.799 MeV [-36.328 MeV] (A_Cs:142)

---------- Equations follow for Barium, Ba, element 56 ----------

130Ba56 + D* --> 82Se34 + 50V23 + 52.690 MeV [40.020 MeV] (A_Ba:1)
130Ba56 + D* --> 113Cd48 + 19F9 + 16.411 MeV [3.741 MeV] (A_Ba:2)
130Ba56 + D* --> 115In49 + 17O8 + 16.220 MeV [3.549 MeV] (A_Ba:3)
130Ba56 + D* --> 117Sn50 + 15N7 + 16.173 MeV [3.502 MeV] (A_Ba:4)
130Ba56 + D* --> 118Sn50 + 14N7 + 14.667 MeV [1.997 MeV] (A_Ba:5)
130Ba56 + D* --> 122Te52 + 10B5 + 4.137 MeV [-8.533 MeV] (A_Ba:6)
130Ba56 + D* --> 126Xe54 + 6Li3 + 00.956 MeV [-11.714 MeV] (A_Ba:7)

130Ba56 + 2 D* --> 70Zn30 + 64Ni28 + 75.674 MeV [50.010 MeV] (A_Ba:8)
130Ba56 + 2 D* --> 76Ge32 + 58Fe26 + 74.376 MeV [48.712 MeV] (A_Ba:9)
130Ba56 + 2 D* --> 80Se34 + 54Cr24 + 73.702 MeV [48.038 MeV] (A_Ba:10)
130Ba56 + 2 D* --> 82Se34 + 52Cr24 + 72.021 MeV [46.357 MeV] (A_Ba:11)
130Ba56 + 2 D* --> 84Kr36 + 50Ti22 + 72.868 MeV [47.204 MeV] (A_Ba:12)
130Ba56 + 2 D* --> 86Kr36 + 48Ti22 + 70.763 MeV [45.099 MeV] (A_Ba:13)
130Ba56 + 2 D* --> 86Sr38 + 48Ca20 + 67.748 MeV [42.084 MeV] (A_Ba:14)
130Ba56 + 2 D* --> 88Sr38 + 46Ca20 + 70.067 MeV [44.403 MeV] (A_Ba:15)
130Ba56 + 2 D* --> 94Zr40 + 40Ar18 + 61.317 MeV [35.653 MeV] (A_Ba:16)
130Ba56 + 2 D* --> 96Zr40 + 38Ar18 + 59.167 MeV [33.503 MeV] (A_Ba:17)
130Ba56 + 2 D* --> 98Mo42 + 36S16 + 57.786 MeV [32.122 MeV] (A_Ba:18)
130Ba56 + 2 D* --> 100Mo42 + 34S16 + 55.126 MeV [29.462 MeV] (A_Ba:19)
130Ba56 + 2 D* --> 104Ru44 + 30Si14 + 51.532 MeV [25.868 MeV] (A_Ba:20)
130Ba56 + 2 D* --> 108Pd46 + 26Mg12 + 44.749 MeV [19.085 MeV] (A_Ba:21)

130Ba56 + 2 D* --> 110Pd46 + 24Mg12 + 41.293 MeV [15.629 MeV] (A_Ba:22)
130Ba56 + 2 D* --> 112Cd48 + 22Ne10 + 37.615 MeV [11.951 MeV] (A_Ba:23)
130Ba56 + 2 D* --> 113Cd48 + 21Ne10 + 33.791 MeV [8.127 MeV] (A_Ba:24)
130Ba56 + 2 D* --> 114Cd48 + 20Ne10 + 36.073 MeV [10.409 MeV] (A_Ba:25)
130Ba56 + 2 D* --> 115In49 + 19F9 + 30.034 MeV [4.370 MeV] (A_Ba:26)
130Ba56 + 2 D* --> 116Sn50 + 18O8 + 31.319 MeV [5.656 MeV] (A_Ba:27)
130Ba56 + 2 D* --> 117Sn50 + 17O8 + 30.219 MeV [4.555 MeV] (A_Ba:28)
130Ba56 + 2 D* --> 118Sn50 + 16O8 + 35.403 MeV [9.739 MeV] (A_Ba:29)
130Ba56 + 2 D* --> 122Te52 + 12C6 + 29.324 MeV [3.660 MeV] (A_Ba:30)
130Ba56 + 2 D* --> 130Ba56 + 4He2 + 23.847 MeV [-1.817 MeV] (A_Ba:31)

130Ba56 + 3 D* --> 86Kr36 + 50V23 + 84.633 MeV [45.654 MeV] (A_Ba:32)
130Ba56 + 3 D* --> 87Rb37 + 49Ti22 + 85.302 MeV [46.324 MeV] (A_Ba:33)
130Ba56 + 3 D* --> 96Zr40 + 40K19 + 71.124 MeV [32.145 MeV] (A_Ba:34)
130Ba56 + 3 D* --> 113Cd48 + 23Na11 + 50.725 MeV [11.746 MeV] (A_Ba:35)
130Ba56 + 3 D* --> 115In49 + 21Ne10 + 47.414 MeV [8.436 MeV] (A_Ba:36)
130Ba56 + 3 D* --> 117Sn50 + 19F9 + 44.033 MeV [5.055 MeV] (A_Ba:37)
130Ba56 + 3 D* --> 122Te52 + 14N7 + 39.596 MeV [00.618 MeV] (A_Ba:38)
130Ba56 + 3 D* --> 126Xe54 + 10B5 + 29.263 MeV [-9.715 MeV] (A_Ba:39)
130Ba56 + 3 D* --> 130Ba56 + 6Li3 + 25.320 MeV [-13.658 MeV] (A_Ba:40)

130Ba56 + 4 D* --> 70Zn30 + 68Zn30 + 104.853 MeV [52.243 MeV] (A_Ba:41)
130Ba56 + 4 D* --> 74Ge32 + 64Ni28 + 105.803 MeV [53.193 MeV] (A_Ba:42)
130Ba56 + 4 D* --> 76Ge32 + 62Ni28 + 105.240 MeV [52.630 MeV] (A_Ba:43)
130Ba56 + 4 D* --> 80Se34 + 58Fe26 + 105.195 MeV [52.584 MeV] (A_Ba:44)
130Ba56 + 4 D* --> 82Se34 + 56Fe26 + 103.481 MeV [50.870 MeV] (A_Ba:45)
130Ba56 + 4 D* --> 84Kr36 + 54Cr24 + 104.645 MeV [52.034 MeV] (A_Ba:46)
130Ba56 + 4 D* --> 86Kr36 + 52Cr24 + 103.964 MeV [51.353 MeV] (A_Ba:47)
130Ba56 + 4 D* --> 87Rb37 + 51V23 + 102.080 MeV [49.470 MeV] (A_Ba:48)
130Ba56 + 4 D* --> 88Sr38 + 50Ti22 + 104.630 MeV [52.019 MeV] (A_Ba:49)
130Ba56 + 4 D* --> 90Zr40 + 48Ca20 + 98.263 MeV [45.652 MeV] (A_Ba:50)
130Ba56 + 4 D* --> 92Zr40 + 46Ca20 + 96.870 MeV [44.260 MeV] (A_Ba:51)
130Ba56 + 4 D* --> 94Zr40 + 44Ca20 + 94.017 MeV [41.406 MeV] (A_Ba:52)
130Ba56 + 4 D* --> 96Zr40 + 42Ca20 + 89.271 MeV [36.661 MeV] (A_Ba:53)
130Ba56 + 4 D* --> 98Mo42 + 40Ar18 + 88.433 MeV [35.823 MeV] (A_Ba:54)
130Ba56 + 4 D* --> 100Mo42 + 38Ar18 + 86.180 MeV [33.570 MeV] (A_Ba:55)
130Ba56 + 4 D* --> 102Ru44 + 36S16 + 85.043 MeV [32.433 MeV] (A_Ba:56)
130Ba56 + 4 D* --> 104Ru44 + 34S16 + 83.302 MeV [30.692 MeV] (A_Ba:57)
130Ba56 + 4 D* --> 108Pd46 + 30Si14 + 79.239 MeV [26.628 MeV] (A_Ba:58)
130Ba56 + 4 D* --> 110Pd46 + 28Si14 + 75.123 MeV [22.513 MeV] (A_Ba:59)
130Ba56 + 4 D* --> 112Cd48 + 26Mg12 + 72.076 MeV [19.466 MeV] (A_Ba:60)
130Ba56 + 4 D* --> 113Cd48 + 25Mg12 + 67.523 MeV [14.913 MeV] (A_Ba:61)
130Ba56 + 4 D* --> 114Cd48 + 24Mg12 + 69.236 MeV [16.625 MeV] (A_Ba:62)
130Ba56 + 4 D* --> 115In49 + 23Na11 + 64.348 MeV [11.737 MeV] (A_Ba:63)
130Ba56 + 4 D* --> 116Sn50 + 22Ne10 + 64.834 MeV [12.224 MeV] (A_Ba:64)
130Ba56 + 4 D* --> 117Sn50 + 21Ne10 + 61.413 MeV [8.803 MeV] (A_Ba:65)
130Ba56 + 4 D* --> 118Sn50 + 20Ne10 + 63.979 MeV [11.369 MeV] (A_Ba:66)
130Ba56 + 4 D* --> 120Te52 + 18O8 + 55.467 MeV [2.857 MeV] (A_Ba:67)
130Ba56 + 4 D* --> 122Te52 + 16O8 + 60.332 MeV [7.722 MeV] (A_Ba:68)
130Ba56 + 4 D* --> 126Xe54 + 12C6 + 54.450 MeV [1.839 MeV] (A_Ba:69)

130Ba56 + 5 D* --> 87Rb37 + 53Cr24 + 118.300 MeV [51.742 MeV] (A_Ba:70)
130Ba56 + 5 D* --> 100Mo42 + 40K19 + 98.137 MeV [31.579 MeV] (A_Ba:71)
130Ba56 + 5 D* --> 113Cd48 + 27Al13 + 84.663 MeV [18.105 MeV] (A_Ba:72)

130Ba56 + 5 D* --> 115In49 + 25Mg12 + 81.146 MeV [14.589 MeV] (A_Ba:73)
130Ba56 + 5 D* --> 117Sn50 + 23Na11 + 78.347 MeV [11.789 MeV] (A_Ba:74)
130Ba56 + 5 D* --> 126Xe54 + 14N7 + 64.722 MeV [-1.835 MeV] (A_Ba:75)
130Ba56 + 5 D* --> 130Ba56 + 10B5 + 53.628 MeV [-12.930 MeV] (A_Ba:76)

130Ba56 + 6 D* --> 71Ga31 + 71Ga31 + 131.833 MeV [51.016 MeV] (A_Ba:77)
130Ba56 + 6 D* --> 72Ge32 + 70Zn30 + 133.703 MeV [52.886 MeV] (A_Ba:78)
130Ba56 + 6 D* --> 74Ge32 + 68Zn30 + 134.982 MeV [54.165 MeV] (A_Ba:79)
130Ba56 + 6 D* --> 76Ge32 + 66Zn30 + 133.665 MeV [52.848 MeV] (A_Ba:80)
130Ba56 + 6 D* --> 78Se34 + 64Ni28 + 135.678 MeV [54.861 MeV] (A_Ba:81)
130Ba56 + 6 D* --> 80Se34 + 62Ni28 + 136.059 MeV [55.242 MeV] (A_Ba:82)
130Ba56 + 6 D* --> 82Se34 + 60Ni28 + 133.619 MeV [52.802 MeV] (A_Ba:83)
130Ba56 + 6 D* --> 84Kr36 + 58Fe26 + 136.137 MeV [55.320 MeV] (A_Ba:84)
130Ba56 + 6 D* --> 86Kr36 + 56Fe26 + 135.424 MeV [54.606 MeV] (A_Ba:85)
130Ba56 + 6 D* --> 87Rb37 + 55Mn25 + 133.861 MeV [53.044 MeV] (A_Ba:86)
130Ba56 + 6 D* --> 88Sr38 + 54Cr24 + 136.407 MeV [55.590 MeV] (A_Ba:87)
130Ba56 + 6 D* --> 92Zr40 + 50Ti22 + 131.433 MeV [50.616 MeV] (A_Ba:88)
130Ba56 + 6 D* --> 94Zr40 + 48Ti22 + 127.307 MeV [46.490 MeV] (A_Ba:89)
130Ba56 + 6 D* --> 96Zr40 + 46Ti22 + 121.119 MeV [40.302 MeV] (A_Ba:90)
130Ba56 + 6 D* --> 94Mo42 + 48Ca20 + 124.177 MeV [43.359 MeV] (A_Ba:91)
130Ba56 + 6 D* --> 96Mo42 + 46Ca20 + 123.478 MeV [42.661 MeV] (A_Ba:92)
130Ba56 + 6 D* --> 98Mo42 + 44Ca20 + 121.133 MeV [40.316 MeV] (A_Ba:93)
130Ba56 + 6 D* --> 100Mo42 + 42Ca20 + 116.284 MeV [35.467 MeV] (A_Ba:94)
130Ba56 + 6 D* --> 102Ru44 + 40Ar18 + 115.691 MeV [34.873 MeV] (A_Ba:95)
130Ba56 + 6 D* --> 104Ru44 + 38Ar18 + 114.356 MeV [33.539 MeV] (A_Ba:96)
130Ba56 + 6 D* --> 106Pd46 + 36S16 + 112.119 MeV [31.302 MeV] (A_Ba:97)
130Ba56 + 6 D* --> 108Pd46 + 34S16 + 111.009 MeV [30.192 MeV] (A_Ba:98)
130Ba56 + 6 D* --> 110Pd46 + 32S16 + 105.918 MeV [25.100 MeV] (A_Ba:99)
130Ba56 + 6 D* --> 112Cd48 + 30Si14 + 106.566 MeV [25.749 MeV] (A_Ba:100)
130Ba56 + 6 D* --> 113Cd48 + 29Si14 + 102.497 MeV [21.680 MeV] (A_Ba:101)
130Ba56 + 6 D* --> 114Cd48 + 28Si14 + 103.066 MeV [22.249 MeV] (A_Ba:102)
130Ba56 + 6 D* --> 115In49 + 27Al13 + 98.286 MeV [17.469 MeV] (A_Ba:103)
130Ba56 + 6 D* --> 116Sn50 + 26Mg12 + 99.295 MeV [18.478 MeV] (A_Ba:104)
130Ba56 + 6 D* --> 117Sn50 + 25Mg12 + 95.146 MeV [14.328 MeV] (A_Ba:105)
130Ba56 + 6 D* --> 118Sn50 + 24Mg12 + 97.142 MeV [16.325 MeV] (A_Ba:106)
130Ba56 + 6 D* --> 120Te52 + 22Ne10 + 88.982 MeV [8.165 MeV] (A_Ba:107)
130Ba56 + 6 D* --> 122Te52 + 20Ne10 + 88.909 MeV [8.091 MeV] (A_Ba:108)
130Ba56 + 6 D* --> 124Xe54 + 18O8 + 79.994 MeV [-0.823 MeV] (A_Ba:109)
130Ba56 + 6 D* --> 126Xe54 + 16O8 + 85.458 MeV [4.641 MeV] (A_Ba:110)
130Ba56 + 6 D* --> 130Ba56 + 12C6 + 78.814 MeV [-2.003 MeV] (A_Ba:111)

130Ba56 + 7 D* --> 73Ge32 + 71Ga31 + 146.126 MeV [50.739 MeV] (A_Ba:112)
130Ba56 + 7 D* --> 87Rb37 + 57Fe26 + 149.466 MeV [54.080 MeV] (A_Ba:113)
130Ba56 + 7 D* --> 94Zr40 + 50V23 + 141.177 MeV [45.790 MeV] (A_Ba:114)
130Ba56 + 7 D* --> 104Ru44 + 40K19 + 126.313 MeV [30.926 MeV] (A_Ba:115)
130Ba56 + 7 D* --> 113Cd48 + 31P15 + 118.179 MeV [22.792 MeV] (A_Ba:116)
130Ba56 + 7 D* --> 115In49 + 29Si14 + 116.120 MeV [20.733 MeV] (A_Ba:117)
130Ba56 + 7 D* --> 117Sn50 + 27Al13 + 112.285 MeV [16.898 MeV] (A_Ba:118)
130Ba56 + 7 D* --> 130Ba56 + 14N7 + 89.087 MeV [-6.300 MeV] (A_Ba:119)

130Ba56 + 8 D* --> 73Ge32 + 73Ge32 + 160.419 MeV [50.156 MeV] (A_Ba:120)
130Ba56 + 8 D* --> 74Ge32 + 72Ge32 + 163.833 MeV [53.569 MeV] (A_Ba:121)
130Ba56 + 8 D* --> 76Ge32 + 70Ge32 + 161.600 MeV [51.337 MeV] (A_Ba:122)
130Ba56 + 8 D* --> 75As33 + 71Ga31 + 160.997 MeV [50.733 MeV] (A_Ba:123)

130Ba56 + 8 D* --> 76Se34 + 70Zn30 + 162.641 MeV [52.377 MeV] (A_Ba:124)
130Ba56 + 8 D* --> 78Se34 + 68Zn30 + 164.857 MeV [54.594 MeV] (A_Ba:125)
130Ba56 + 8 D* --> 80Se34 + 66Zn30 + 164.484 MeV [54.220 MeV] (A_Ba:126)
130Ba56 + 8 D* --> 82Se34 + 64Zn30 + 161.422 MeV [51.158 MeV] (A_Ba:127)
130Ba56 + 8 D* --> 81Br35 + 65Cu29 + 163.063 MeV [52.799 MeV] (A_Ba:128)
130Ba56 + 8 D* --> 82Kr36 + 64Ni28 + 165.513 MeV [55.249 MeV] (A_Ba:129)
130Ba56 + 8 D* --> 84Kr36 + 62Ni28 + 167.001 MeV [56.738 MeV] (A_Ba:130)
130Ba56 + 8 D* --> 86Kr36 + 60Ni28 + 165.562 MeV [55.298 MeV] (A_Ba:131)
130Ba56 + 8 D* --> 87Rb37 + 59Co27 + 164.650 MeV [54.387 MeV] (A_Ba:132)
130Ba56 + 8 D* --> 88Sr38 + 58Fe26 + 167.899 MeV [57.636 MeV] (A_Ba:133)
130Ba56 + 8 D* --> 92Zr40 + 54Cr24 + 163.211 MeV [52.947 MeV] (A_Ba:134)
130Ba56 + 8 D* --> 94Zr40 + 52Cr24 + 160.508 MeV [50.244 MeV] (A_Ba:135)
130Ba56 + 8 D* --> 96Zr40 + 50Cr24 + 153.526 MeV [43.263 MeV] (A_Ba:136)
130Ba56 + 8 D* --> 96Mo42 + 50Ti22 + 158.041 MeV [47.778 MeV] (A_Ba:137)
130Ba56 + 8 D* --> 97Mo42 + 49Ti22 + 153.923 MeV [43.660 MeV] (A_Ba:138)
130Ba56 + 8 D* --> 98Mo42 + 48Ti22 + 154.424 MeV [44.160 MeV] (A_Ba:139)
130Ba56 + 8 D* --> 100Mo42 + 46Ti22 + 148.132 MeV [37.868 MeV] (A_Ba:140)
130Ba56 + 8 D* --> 98Ru44 + 48Ca20 + 150.263 MeV [39.999 MeV] (A_Ba:141)
130Ba56 + 8 D* --> 100Ru44 + 46Ca20 + 150.178 MeV [39.915 MeV] (A_Ba:142)
130Ba56 + 8 D* --> 102Ru44 + 44Ca20 + 148.391 MeV [38.127 MeV] (A_Ba:143)
130Ba56 + 8 D* --> 104Ru44 + 42Ca20 + 144.460 MeV [34.197 MeV] (A_Ba:144)
130Ba56 + 8 D* --> 106Pd46 + 40Ar18 + 142.767 MeV [32.503 MeV] (A_Ba:145)
130Ba56 + 8 D* --> 108Pd46 + 38Ar18 + 142.063 MeV [31.799 MeV] (A_Ba:146)
130Ba56 + 8 D* --> 110Pd46 + 36Ar18 + 136.405 MeV [26.141 MeV] (A_Ba:147)
130Ba56 + 8 D* --> 109Ag47 + 37Cl17 + 138.308 MeV [28.045 MeV] (A_Ba:148)
130Ba56 + 8 D* --> 110Cd48 + 36S16 + 138.841 MeV [28.578 MeV] (A_Ba:149)
130Ba56 + 8 D* --> 112Cd48 + 34S16 + 138.336 MeV [28.073 MeV] (A_Ba:150)
130Ba56 + 8 D* --> 113Cd48 + 33S16 + 133.459 MeV [23.196 MeV] (A_Ba:151)
130Ba56 + 8 D* --> 114Cd48 + 32S16 + 133.861 MeV [23.597 MeV] (A_Ba:152)
130Ba56 + 8 D* --> 115In49 + 31P15 + 131.802 MeV [21.538 MeV] (A_Ba:153)
130Ba56 + 8 D* --> 116Sn50 + 30Si14 + 133.785 MeV [23.522 MeV] (A_Ba:154)
130Ba56 + 8 D* --> 117Sn50 + 29Si14 + 130.119 MeV [19.856 MeV] (A_Ba:155)
130Ba56 + 8 D* --> 118Sn50 + 28Si14 + 130.973 MeV [20.709 MeV] (A_Ba:156)
130Ba56 + 8 D* --> 120Te52 + 26Mg12 + 123.443 MeV [13.180 MeV] (A_Ba:157)
130Ba56 + 8 D* --> 122Te52 + 24Mg12 + 122.072 MeV [11.808 MeV] (A_Ba:158)
130Ba56 + 8 D* --> 124Xe54 + 22Ne10 + 113.509 MeV [3.245 MeV] (A_Ba:159)
130Ba56 + 8 D* --> 126Xe54 + 20Ne10 + 114.035 MeV [3.771 MeV] (A_Ba:160)
130Ba56 + 8 D* --> 130Ba56 + 16O8 + 109.823 MeV [-0.441 MeV] (A_Ba:161)

130Ba56 + 9 D* --> 75As33 + 73Ge32 + 175.290 MeV [49.845 MeV] (A_Ba:162)
130Ba56 + 9 D* --> 77Se34 + 71Ga31 + 175.700 MeV [50.254 MeV] (A_Ba:163)
130Ba56 + 9 D* --> 81Br35 + 67Zn30 + 176.815 MeV [51.370 MeV] (A_Ba:164)
130Ba56 + 9 D* --> 83Kr36 + 65Cu29 + 178.205 MeV [52.760 MeV] (A_Ba:165)
130Ba56 + 9 D* --> 87Rb37 + 61Ni28 + 179.779 MeV [54.333 MeV] (A_Ba:166)
130Ba56 + 9 D* --> 97Mo42 + 51V23 + 170.702 MeV [45.256 MeV] (A_Ba:167)
130Ba56 + 9 D* --> 98Mo42 + 50V23 + 168.293 MeV [42.848 MeV] (A_Ba:168)
130Ba56 + 9 D* --> 108Pd46 + 40K19 + 154.019 MeV [28.574 MeV] (A_Ba:169)
130Ba56 + 9 D* --> 111Cd48 + 37Cl17 + 151.979 MeV [26.534 MeV] (A_Ba:170)
130Ba56 + 9 D* --> 113Cd48 + 35Cl17 + 149.023 MeV [23.577 MeV] (A_Ba:171)
130Ba56 + 9 D* --> 115In49 + 33S16 + 147.083 MeV [21.637 MeV] (A_Ba:172)
130Ba56 + 9 D* --> 117Sn50 + 31P15 + 145.801 MeV [20.355 MeV] (A_Ba:173)

130Ba56 + 10 D* --> 76Ge32 + 74Se34 + 189.521 MeV [48.592 MeV] (A_Ba:174)
130Ba56 + 10 D* --> 75As33 + 75As33 + 190.160 MeV [49.231 MeV] (A_Ba:175)

130Ba56 + 10 D* --> 76Se34 + 74Ge32 + 192.770 MeV [51.841 MeV] (A_Ba:176)
130Ba56 + 10 D* --> 77Se34 + 73Ge32 + 189.993 MeV [49.063 MeV] (A_Ba:177)
130Ba56 + 10 D* --> 78Se34 + 72Ge32 + 193.708 MeV [52.778 MeV] (A_Ba:178)
130Ba56 + 10 D* --> 80Se34 + 70Ge32 + 192.419 MeV [51.489 MeV] (A_Ba:179)
130Ba56 + 10 D* --> 79Br35 + 71Ga31 + 190.304 MeV [49.375 MeV] (A_Ba:180)
130Ba56 + 10 D* --> 81Br35 + 69Ga31 + 191.398 MeV [50.469 MeV] (A_Ba:181)
130Ba56 + 10 D* --> 80Kr36 + 70Zn30 + 191.553 MeV [50.623 MeV] (A_Ba:182)
130Ba56 + 10 D* --> 82Kr36 + 68Zn30 + 194.692 MeV [53.763 MeV] (A_Ba:183)
130Ba56 + 10 D* --> 83Kr36 + 67Zn30 + 191.958 MeV [51.028 MeV] (A_Ba:184)
130Ba56 + 10 D* --> 84Kr36 + 66Zn30 + 195.426 MeV [54.496 MeV] (A_Ba:185)
130Ba56 + 10 D* --> 86Kr36 + 64Zn30 + 193.365 MeV [52.435 MeV] (A_Ba:186)
130Ba56 + 10 D* --> 85Rb37 + 65Cu29 + 193.527 MeV [52.597 MeV] (A_Ba:187)
130Ba56 + 10 D* --> 87Rb37 + 63Cu29 + 194.273 MeV [53.343 MeV] (A_Ba:188)
130Ba56 + 10 D* --> 86Sr38 + 64Ni28 + 195.718 MeV [54.789 MeV] (A_Ba:189)
130Ba56 + 10 D* --> 88Sr38 + 62Ni28 + 198.763 MeV [57.834 MeV] (A_Ba:190)
130Ba56 + 10 D* --> 92Zr40 + 58Fe26 + 194.703 MeV [53.773 MeV] (A_Ba:191)
130Ba56 + 10 D* --> 94Zr40 + 56Fe26 + 191.968 MeV [51.038 MeV] (A_Ba:192)
130Ba56 + 10 D* --> 96Zr40 + 54Fe26 + 185.791 MeV [44.861 MeV] (A_Ba:193)
130Ba56 + 10 D* --> 96Mo42 + 54Cr24 + 189.819 MeV [48.889 MeV] (A_Ba:194)
130Ba56 + 10 D* --> 97Mo42 + 53Cr24 + 186.921 MeV [45.991 MeV] (A_Ba:195)
130Ba56 + 10 D* --> 98Mo42 + 52Cr24 + 187.624 MeV [46.695 MeV] (A_Ba:196)
130Ba56 + 10 D* --> 100Mo42 + 50Cr24 + 180.539 MeV [39.610 MeV] (A_Ba:197)
130Ba56 + 10 D* --> 100Ru44 + 50Ti22 + 184.741 MeV [43.812 MeV] (A_Ba:198)
130Ba56 + 10 D* --> 101Ru44 + 49Ti22 + 180.604 MeV [39.675 MeV] (A_Ba:199)
130Ba56 + 10 D* --> 102Ru44 + 48Ti22 + 181.681 MeV [40.752 MeV] (A_Ba:200)
130Ba56 + 10 D* --> 104Ru44 + 46Ti22 + 176.308 MeV [35.378 MeV] (A_Ba:201)
130Ba56 + 10 D* --> 102Pd46 + 48Ca20 + 176.235 MeV [35.305 MeV] (A_Ba:202)
130Ba56 + 10 D* --> 104Pd46 + 46Ca20 + 176.621 MeV [35.691 MeV] (A_Ba:203)
130Ba56 + 10 D* --> 106Pd46 + 44Ca20 + 175.467 MeV [34.537 MeV] (A_Ba:204)
130Ba56 + 10 D* --> 108Pd46 + 42Ca20 + 172.167 MeV [31.237 MeV] (A_Ba:205)
130Ba56 + 10 D* --> 110Pd46 + 40Ca20 + 167.291 MeV [26.362 MeV] (A_Ba:206)
130Ba56 + 10 D* --> 109Ag47 + 41K19 + 168.377 MeV [27.448 MeV] (A_Ba:207)
130Ba56 + 10 D* --> 110Cd48 + 40Ar18 + 169.489 MeV [28.559 MeV] (A_Ba:208)
130Ba56 + 10 D* --> 112Cd48 + 38Ar18 + 169.391 MeV [28.461 MeV] (A_Ba:209)
130Ba56 + 10 D* --> 114Cd48 + 36Ar18 + 164.348 MeV [23.419 MeV] (A_Ba:210)
130Ba56 + 10 D* --> 113In49 + 37Cl17 + 165.227 MeV [24.297 MeV] (A_Ba:211)
130Ba56 + 10 D* --> 115In49 + 35Cl17 + 162.646 MeV [21.716 MeV] (A_Ba:212)
130Ba56 + 10 D* --> 114Sn50 + 36S16 + 165.321 MeV [24.391 MeV] (A_Ba:213)
130Ba56 + 10 D* --> 116Sn50 + 34S16 + 165.556 MeV [24.626 MeV] (A_Ba:214)
130Ba56 + 10 D* --> 117Sn50 + 33S16 + 161.082 MeV [20.152 MeV] (A_Ba:215)
130Ba56 + 10 D* --> 118Sn50 + 32S16 + 161.767 MeV [20.838 MeV] (A_Ba:216)
130Ba56 + 10 D* --> 120Te52 + 30Si14 + 157.933 MeV [17.004 MeV] (A_Ba:217)
130Ba56 + 10 D* --> 122Te52 + 28Si14 + 155.902 MeV [14.973 MeV] (A_Ba:218)
130Ba56 + 10 D* --> 124Xe54 + 26Mg12 + 147.970 MeV [7.041 MeV] (A_Ba:219)
130Ba56 + 10 D* --> 126Xe54 + 24Mg12 + 147.198 MeV [6.268 MeV] (A_Ba:220)
130Ba56 + 10 D* --> 130Ba56 + 20Ne10 + 138.399 MeV [-2.530 MeV] (A_Ba:221)

130Ba56 + 11 D* --> 77Se34 + 75As33 + 204.863 MeV [48.149 MeV] (A_Ba:222)
130Ba56 + 11 D* --> 79Br35 + 73Ge32 + 204.597 MeV [47.883 MeV] (A_Ba:223)
130Ba56 + 11 D* --> 83Kr36 + 69Ga31 + 206.541 MeV [49.827 MeV] (A_Ba:224)
130Ba56 + 11 D* --> 85Rb37 + 67Zn30 + 207.279 MeV [50.565 MeV] (A_Ba:225)
130Ba56 + 11 D* --> 87Sr38 + 65Cu29 + 209.375 MeV [52.661 MeV] (A_Ba:226)
130Ba56 + 11 D* --> 97Mo42 + 55Mn25 + 202.482 MeV [45.768 MeV] (A_Ba:227)
130Ba56 + 11 D* --> 101Ru44 + 51V23 + 197.382 MeV [40.668 MeV] (A_Ba:228)

130Ba56 + 11 D* --> 102Ru44 + 50V23 + 195.551 MeV [38.837 MeV] (A_Ba:229)
130Ba56 + 11 D* --> 103Rh45 + 49Ti22 + 193.812 MeV [37.098 MeV] (A_Ba:230)
130Ba56 + 11 D* --> 109Ag47 + 43Ca20 + 184.363 MeV [27.649 MeV] (A_Ba:231)
130Ba56 + 11 D* --> 111Cd48 + 41K19 + 182.048 MeV [25.334 MeV] (A_Ba:232)
130Ba56 + 11 D* --> 112Cd48 + 40K19 + 181.347 MeV [24.633 MeV] (A_Ba:233)
130Ba56 + 11 D* --> 113Cd48 + 39K19 + 180.088 MeV [23.374 MeV] (A_Ba:234)
130Ba56 + 11 D* --> 115Sn50 + 37Cl17 + 179.029 MeV [22.315 MeV] (A_Ba:235)
130Ba56 + 11 D* --> 117Sn50 + 35Cl17 + 176.645 MeV [19.931 MeV] (A_Ba:236)

130Ba56 + 12 D* --> 77Se34 + 77Se34 + 219.566 MeV [46.770 MeV] (A_Ba:237)
130Ba56 + 12 D* --> 78Se34 + 76Se34 + 222.645 MeV [49.849 MeV] (A_Ba:238)
130Ba56 + 12 D* --> 80Se34 + 74Se34 + 220.340 MeV [47.543 MeV] (A_Ba:239)
130Ba56 + 12 D* --> 79Br35 + 75As33 + 219.468 MeV [46.671 MeV] (A_Ba:240)
130Ba56 + 12 D* --> 78Kr36 + 76Ge32 + 217.760 MeV [44.963 MeV] (A_Ba:241)
130Ba56 + 12 D* --> 80Kr36 + 74Ge32 + 221.682 MeV [48.885 MeV] (A_Ba:242)
130Ba56 + 12 D* --> 82Kr36 + 72Ge32 + 223.542 MeV [50.746 MeV] (A_Ba:243)
130Ba56 + 12 D* --> 84Kr36 + 70Ge32 + 223.361 MeV [50.565 MeV] (A_Ba:244)
130Ba56 + 12 D* --> 85Rb37 + 69Ga31 + 221.862 MeV [49.066 MeV] (A_Ba:245)
130Ba56 + 12 D* --> 84Sr38 + 70Zn30 + 220.576 MeV [47.779 MeV] (A_Ba:246)
130Ba56 + 12 D* --> 86Sr38 + 68Zn30 + 224.898 MeV [52.101 MeV] (A_Ba:247)
130Ba56 + 12 D* --> 87Sr38 + 67Zn30 + 223.128 MeV [50.331 MeV] (A_Ba:248)
130Ba56 + 12 D* --> 88Sr38 + 66Zn30 + 227.188 MeV [54.392 MeV] (A_Ba:249)
130Ba56 + 12 D* --> 89Y39 + 65Cu29 + 225.332 MeV [52.536 MeV] (A_Ba:250)
130Ba56 + 12 D* --> 90Zr40 + 64Ni28 + 226.234 MeV [53.437 MeV] (A_Ba:251)
130Ba56 + 12 D* --> 92Zr40 + 62Ni28 + 225.567 MeV [52.771 MeV] (A_Ba:252)
130Ba56 + 12 D* --> 94Zr40 + 60Ni28 + 222.106 MeV [49.309 MeV] (A_Ba:253)
130Ba56 + 12 D* --> 96Zr40 + 58Ni28 + 216.038 MeV [43.241 MeV] (A_Ba:254)
130Ba56 + 12 D* --> 96Mo42 + 58Fe26 + 221.311 MeV [48.514 MeV] (A_Ba:255)
130Ba56 + 12 D* --> 97Mo42 + 57Fe26 + 218.088 MeV [45.291 MeV] (A_Ba:256)
130Ba56 + 12 D* --> 98Mo42 + 56Fe26 + 219.084 MeV [46.288 MeV] (A_Ba:257)
130Ba56 + 12 D* --> 100Mo42 + 54Fe26 + 212.804 MeV [40.007 MeV] (A_Ba:258)
130Ba56 + 12 D* --> 100Ru44 + 54Cr24 + 216.519 MeV [43.722 MeV] (A_Ba:259)
130Ba56 + 12 D* --> 101Ru44 + 53Cr24 + 213.602 MeV [40.805 MeV] (A_Ba:260)
130Ba56 + 12 D* --> 102Ru44 + 52Cr24 + 214.882 MeV [42.086 MeV] (A_Ba:261)
130Ba56 + 12 D* --> 104Ru44 + 50Cr24 + 208.715 MeV [35.919 MeV] (A_Ba:262)
130Ba56 + 12 D* --> 103Rh45 + 51V23 + 210.591 MeV [37.794 MeV] (A_Ba:263)
130Ba56 + 12 D* --> 104Pd46 + 50Ti22 + 211.184 MeV [38.387 MeV] (A_Ba:264)
130Ba56 + 12 D* --> 105Pd46 + 49Ti22 + 207.339 MeV [34.542 MeV] (A_Ba:265)
130Ba56 + 12 D* --> 106Pd46 + 48Ti22 + 208.757 MeV [35.961 MeV] (A_Ba:266)
130Ba56 + 12 D* --> 108Pd46 + 46Ti22 + 204.015 MeV [31.218 MeV] (A_Ba:267)
130Ba56 + 12 D* --> 109Ag47 + 45Sc21 + 200.158 MeV [27.361 MeV] (A_Ba:268)
130Ba56 + 12 D* --> 106Cd48 + 48Ca20 + 201.714 MeV [28.917 MeV] (A_Ba:269)
130Ba56 + 12 D* --> 108Cd48 + 46Ca20 + 202.754 MeV [29.958 MeV] (A_Ba:270)
130Ba56 + 12 D* --> 110Cd48 + 44Ca20 + 202.189 MeV [29.392 MeV] (A_Ba:271)
130Ba56 + 12 D* --> 111Cd48 + 43Ca20 + 198.033 MeV [25.237 MeV] (A_Ba:272)
130Ba56 + 12 D* --> 112Cd48 + 42Ca20 + 199.495 MeV [26.698 MeV] (A_Ba:273)
130Ba56 + 12 D* --> 114Cd48 + 40Ca20 + 195.234 MeV [22.438 MeV] (A_Ba:274)
130Ba56 + 12 D* --> 113In49 + 41K19 + 195.296 MeV [22.499 MeV] (A_Ba:275)
130Ba56 + 12 D* --> 115In49 + 39K19 + 193.711 MeV [20.914 MeV] (A_Ba:276)
130Ba56 + 12 D* --> 114Sn50 + 40Ar18 + 195.968 MeV [23.171 MeV] (A_Ba:277)
130Ba56 + 12 D* --> 116Sn50 + 38Ar18 + 196.610 MeV [23.813 MeV] (A_Ba:278)
130Ba56 + 12 D* --> 118Sn50 + 36Ar18 + 192.255 MeV [19.458 MeV] (A_Ba:279)
130Ba56 + 12 D* --> 120Te52 + 34S16 + 189.703 MeV [16.907 MeV] (A_Ba:280)
130Ba56 + 12 D* --> 122Te52 + 32S16 + 186.697 MeV [13.900 MeV] (A_Ba:281)

130Ba56 + 12 D* --> 124Xe54 + 30Si14 + 182.460 MeV [9.664 MeV] (A_Ba:282)
130Ba56 + 12 D* --> 126Xe54 + 28Si14 + 181.028 MeV [8.232 MeV] (A_Ba:283)
130Ba56 + 12 D* --> 130Ba56 + 24Mg12 + 171.562 MeV [-1.234 MeV] (A_Ba:284)

132Ba56 + D* --> 119Sn50 + 15N7 + 14.668 MeV [2.061 MeV] (A_Ba:285)
132Ba56 + D* --> 120Sn50 + 14N7 + 12.943 MeV [00.336 MeV] (A_Ba:286)
132Ba56 + D* --> 121Sb51 + 13C6 + 11.171 MeV [-1.436 MeV] (A_Ba:287)
132Ba56 + D* --> 123Te52 + 11B5 + 5.205 MeV [-7.402 MeV] (A_Ba:288)
132Ba56 + D* --> 124Te52 + 10B5 + 3.175 MeV [-9.432 MeV] (A_Ba:289)
132Ba56 + D* --> 128Xe54 + 6Li3 + 00.474 MeV [-12.133 MeV] (A_Ba:290)

132Ba56 + 2 D* --> 82Se34 + 54Cr24 + 72.363 MeV [46.826 MeV] (A_Ba:291)
132Ba56 + 2 D* --> 86Kr36 + 50Ti22 + 72.529 MeV [46.991 MeV] (A_Ba:292)
132Ba56 + 2 D* --> 88Sr38 + 48Ca20 + 69.972 MeV [44.435 MeV] (A_Ba:293)
132Ba56 + 2 D* --> 96Zr40 + 40Ar18 + 58.319 MeV [32.782 MeV] (A_Ba:294)
132Ba56 + 2 D* --> 100Mo42 + 36S16 + 54.685 MeV [29.148 MeV] (A_Ba:295)
132Ba56 + 2 D* --> 110Pd46 + 26Mg12 + 42.400 MeV [16.863 MeV] (A_Ba:296)
132Ba56 + 2 D* --> 114Cd48 + 22Ne10 + 35.882 MeV [10.345 MeV] (A_Ba:297)
132Ba56 + 2 D* --> 116Cd48 + 20Ne10 + 33.598 MeV [8.060 MeV] (A_Ba:298)
132Ba56 + 2 D* --> 118Sn50 + 18O8 + 30.274 MeV [4.737 MeV] (A_Ba:299)
132Ba56 + 2 D* --> 119Sn50 + 17O8 + 28.714 MeV [3.176 MeV] (A_Ba:300)
132Ba56 + 2 D* --> 120Sn50 + 16O8 + 33.679 MeV [8.141 MeV] (A_Ba:301)
132Ba56 + 2 D* --> 121Sb51 + 15N7 + 27.330 MeV [1.793 MeV] (A_Ba:302)
132Ba56 + 2 D* --> 123Te52 + 13C6 + 23.883 MeV [-1.654 MeV] (A_Ba:303)
132Ba56 + 2 D* --> 124Te52 + 12C6 + 28.361 MeV [2.824 MeV] (A_Ba:304)
132Ba56 + 2 D* --> 132Ba56 + 4He2 + 23.847 MeV [-1.691 MeV] (A_Ba:305)
132Ba56 + 2 D* --> 136Ce58 + 24.305 MeV [-1.233 MeV] (A_Ba:306)

132Ba56 + 3 D* --> 119Sn50 + 19F9 + 42.528 MeV [3.739 MeV] (A_Ba:307)
132Ba56 + 3 D* --> 121Sb51 + 17O8 + 41.376 MeV [2.587 MeV] (A_Ba:308)
132Ba56 + 3 D* --> 123Te52 + 15N7 + 40.043 MeV [1.254 MeV] (A_Ba:309)
132Ba56 + 3 D* --> 124Te52 + 14N7 + 38.633 MeV [-0.156 MeV] (A_Ba:310)
132Ba56 + 3 D* --> 128Xe54 + 10B5 + 28.782 MeV [-10.007 MeV] (A_Ba:311)
132Ba56 + 3 D* --> 132Ba56 + 6Li3 + 25.320 MeV [-13.469 MeV] (A_Ba:312)
132Ba56 + 3 D* --> 136Ce58 + 2H1 + 24.305 MeV [-14.484 MeV] (A_Ba:313)

132Ba56 + 4 D* --> 70Zn30 + 70Zn30 + 103.237 MeV [50.879 MeV] (A_Ba:314)
132Ba56 + 4 D* --> 76Ge32 + 64Ni28 + 104.420 MeV [52.062 MeV] (A_Ba:315)
132Ba56 + 4 D* --> 82Se34 + 58Fe26 + 103.855 MeV [51.497 MeV] (A_Ba:316)
132Ba56 + 4 D* --> 86Kr36 + 54Cr24 + 104.306 MeV [51.948 MeV] (A_Ba:317)
132Ba56 + 4 D* --> 92Zr40 + 48Ca20 + 96.776 MeV [44.417 MeV] (A_Ba:318)
132Ba56 + 4 D* --> 94Zr40 + 46Ca20 + 94.510 MeV [42.151 MeV] (A_Ba:319)
132Ba56 + 4 D* --> 96Zr40 + 44Ca20 + 91.019 MeV [38.661 MeV] (A_Ba:320)
132Ba56 + 4 D* --> 100Mo42 + 40Ar18 + 85.332 MeV [32.974 MeV] (A_Ba:321)
132Ba56 + 4 D* --> 104Ru44 + 36S16 + 82.861 MeV [30.502 MeV] (A_Ba:322)
132Ba56 + 4 D* --> 110Pd46 + 30Si14 + 76.890 MeV [24.531 MeV] (A_Ba:323)
132Ba56 + 4 D* --> 114Cd48 + 26Mg12 + 70.344 MeV [17.985 MeV] (A_Ba:324)
132Ba56 + 4 D* --> 116Cd48 + 24Mg12 + 66.761 MeV [14.402 MeV] (A_Ba:325)
132Ba56 + 4 D* --> 118Sn50 + 22Ne10 + 63.789 MeV [11.430 MeV] (A_Ba:326)
132Ba56 + 4 D* --> 119Sn50 + 21Ne10 + 59.908 MeV [7.550 MeV] (A_Ba:327)
132Ba56 + 4 D* --> 120Sn50 + 20Ne10 + 62.255 MeV [9.896 MeV] (A_Ba:328)
132Ba56 + 4 D* --> 121Sb51 + 19F9 + 55.191 MeV [2.832 MeV] (A_Ba:329)
132Ba56 + 4 D* --> 122Te52 + 18O8 + 55.204 MeV [2.845 MeV] (A_Ba:330)
132Ba56 + 4 D* --> 123Te52 + 17O8 + 54.089 MeV [1.730 MeV] (A_Ba:331)

132Ba56 + 4 D* --> 124Te52 + 16O8 + 59.370 MeV [7.011 MeV] (A_Ba:332)
132Ba56 + 4 D* --> 128Xe54 + 12C6 + 53.968 MeV [1.609 MeV] (A_Ba:333)
132Ba56 + 4 D* --> 136Ce58 + 4He2 + 48.151 MeV [-4.207 MeV] (A_Ba:334)

132Ba56 + 5 D* --> 119Sn50 + 23Na11 + 76.842 MeV [10.598 MeV] (A_Ba:335)
132Ba56 + 5 D* --> 121Sb51 + 21Ne10 + 72.571 MeV [6.327 MeV] (A_Ba:336)
132Ba56 + 5 D* --> 123Te52 + 19F9 + 67.903 MeV [1.659 MeV] (A_Ba:337)
132Ba56 + 5 D* --> 128Xe54 + 14N7 + 64.240 MeV [-2.003 MeV] (A_Ba:338)
132Ba56 + 5 D* --> 132Ba56 + 10B5 + 53.628 MeV [-12.616 MeV] (A_Ba:339)
132Ba56 + 5 D* --> 136Ce58 + 6Li3 + 49.625 MeV [-16.618 MeV] (A_Ba:340)

132Ba56 + 6 D* --> 74Ge32 + 70Zn30 + 133.367 MeV [52.925 MeV] (A_Ba:341)
132Ba56 + 6 D* --> 76Ge32 + 68Zn30 + 133.600 MeV [53.158 MeV] (A_Ba:342)
132Ba56 + 6 D* --> 80Se34 + 64Ni28 + 135.239 MeV [54.797 MeV] (A_Ba:343)
132Ba56 + 6 D* --> 82Se34 + 62Ni28 + 134.720 MeV [54.278 MeV] (A_Ba:344)
132Ba56 + 6 D* --> 86Kr36 + 58Fe26 + 135.798 MeV [55.357 MeV] (A_Ba:345)
132Ba56 + 6 D* --> 94Zr40 + 50Ti22 + 129.073 MeV [48.632 MeV] (A_Ba:346)
132Ba56 + 6 D* --> 96Zr40 + 48Ti22 + 124.310 MeV [43.869 MeV] (A_Ba:347)
132Ba56 + 6 D* --> 96Mo42 + 48Ca20 + 123.384 MeV [42.943 MeV] (A_Ba:348)
132Ba56 + 6 D* --> 98Mo42 + 46Ca20 + 121.626 MeV [41.185 MeV] (A_Ba:349)
132Ba56 + 6 D* --> 100Mo42 + 44Ca20 + 118.032 MeV [37.591 MeV] (A_Ba:350)
132Ba56 + 6 D* --> 104Ru44 + 40Ar18 + 113.508 MeV [33.067 MeV] (A_Ba:351)
132Ba56 + 6 D* --> 108Pd46 + 36S16 + 110.568 MeV [30.127 MeV] (A_Ba:352)
132Ba56 + 6 D* --> 110Pd46 + 34S16 + 108.660 MeV [28.219 MeV] (A_Ba:353)
132Ba56 + 6 D* --> 114Cd48 + 30Si14 + 104.833 MeV [24.392 MeV] (A_Ba:354)
132Ba56 + 6 D* --> 116Cd48 + 28Si14 + 100.592 MeV [20.150 MeV] (A_Ba:355)
132Ba56 + 6 D* --> 118Sn50 + 26Mg12 + 98.250 MeV [17.809 MeV] (A_Ba:356)
132Ba56 + 6 D* --> 119Sn50 + 25Mg12 + 93.641 MeV [13.199 MeV] (A_Ba:357)
132Ba56 + 6 D* --> 120Sn50 + 24Mg12 + 95.418 MeV [14.977 MeV] (A_Ba:358)
132Ba56 + 6 D* --> 121Sb51 + 23Na11 + 89.504 MeV [9.063 MeV] (A_Ba:359)
132Ba56 + 6 D* --> 122Te52 + 22Ne10 + 88.718 MeV [8.277 MeV] (A_Ba:360)
132Ba56 + 6 D* --> 123Te52 + 21Ne10 + 85.283 MeV [4.842 MeV] (A_Ba:361)
132Ba56 + 6 D* --> 124Te52 + 20Ne10 + 87.946 MeV [7.505 MeV] (A_Ba:362)
132Ba56 + 6 D* --> 126Xe54 + 18O8 + 80.330 MeV [-0.112 MeV] (A_Ba:363)
132Ba56 + 6 D* --> 128Xe54 + 16O8 + 84.977 MeV [4.535 MeV] (A_Ba:364)
132Ba56 + 6 D* --> 132Ba56 + 12C6 + 78.814 MeV [-1.627 MeV] (A_Ba:365)
132Ba56 + 6 D* --> 144Sm62 + 72.351 MeV [-8.090 MeV] (A_Ba:366)

132Ba56 + 7 D* --> 96Zr40 + 50V23 + 138.180 MeV [43.230 MeV] (A_Ba:367)
132Ba56 + 7 D* --> 119Sn50 + 27Al13 + 110.780 MeV [15.831 MeV] (A_Ba:368)
132Ba56 + 7 D* --> 121Sb51 + 25Mg12 + 106.303 MeV [11.354 MeV] (A_Ba:369)
132Ba56 + 7 D* --> 123Te52 + 23Na11 + 102.217 MeV [7.268 MeV] (A_Ba:370)
132Ba56 + 7 D* --> 132Ba56 + 14N7 + 89.087 MeV [-5.863 MeV] (A_Ba:371)
132Ba56 + 7 D* --> 136Ce58 + 10B5 + 77.933 MeV [-17.016 MeV] (A_Ba:372)
132Ba56 + 7 D* --> 144Sm62 + 2H1 + 72.351 MeV [-22.598 MeV] (A_Ba:373)

132Ba56 + 8 D* --> 74Ge32 + 74Ge32 + 163.496 MeV [53.731 MeV] (A_Ba:374)
132Ba56 + 8 D* --> 76Ge32 + 72Ge32 + 162.450 MeV [52.685 MeV] (A_Ba:375)
132Ba56 + 8 D* --> 78Se34 + 70Zn30 + 163.242 MeV [53.477 MeV] (A_Ba:376)
132Ba56 + 8 D* --> 80Se34 + 68Zn30 + 164.418 MeV [54.653 MeV] (A_Ba:377)
132Ba56 + 8 D* --> 82Se34 + 66Zn30 + 163.144 MeV [53.380 MeV] (A_Ba:378)
132Ba56 + 8 D* --> 84Kr36 + 64Ni28 + 166.181 MeV [56.417 MeV] (A_Ba:379)
132Ba56 + 8 D* --> 86Kr36 + 62Ni28 + 166.663 MeV [56.898 MeV] (A_Ba:380)
132Ba56 + 8 D* --> 94Zr40 + 54Cr24 + 160.850 MeV [51.086 MeV] (A_Ba:381)

132Ba56 + 8 D* --> 96Zr40 + 52Cr24 + 157.511 MeV [47.746 MeV] (A_Ba:382)
132Ba56 + 8 D* --> 98Mo42 + 50Ti22 + 156.189 MeV [46.425 MeV] (A_Ba:383)
132Ba56 + 8 D* --> 100Mo42 + 48Ti22 + 151.323 MeV [41.558 MeV] (A_Ba:384)
132Ba56 + 8 D* --> 100Ru44 + 48Ca20 + 150.084 MeV [40.319 MeV] (A_Ba:385)
132Ba56 + 8 D* --> 102Ru44 + 46Ca20 + 148.884 MeV [39.119 MeV] (A_Ba:386)
132Ba56 + 8 D* --> 104Ru44 + 44Ca20 + 146.208 MeV [36.444 MeV] (A_Ba:387)
132Ba56 + 8 D* --> 108Pd46 + 40Ar18 + 141.215 MeV [31.450 MeV] (A_Ba:388)
132Ba56 + 8 D* --> 110Pd46 + 38Ar18 + 139.715 MeV [29.950 MeV] (A_Ba:389)
132Ba56 + 8 D* --> 112Cd48 + 36S16 + 137.896 MeV [28.131 MeV] (A_Ba:390)
132Ba56 + 8 D* --> 114Cd48 + 34S16 + 136.604 MeV [26.839 MeV] (A_Ba:391)
132Ba56 + 8 D* --> 116Cd48 + 32S16 + 131.386 MeV [21.621 MeV] (A_Ba:392)
132Ba56 + 8 D* --> 118Sn50 + 30Si14 + 132.740 MeV [22.975 MeV] (A_Ba:393)
132Ba56 + 8 D* --> 119Sn50 + 29Si14 + 128.614 MeV [18.850 MeV] (A_Ba:394)
132Ba56 + 8 D* --> 120Sn50 + 28Si14 + 129.249 MeV [19.484 MeV] (A_Ba:395)
132Ba56 + 8 D* --> 121Sb51 + 27Al13 + 123.443 MeV [13.678 MeV] (A_Ba:396)
132Ba56 + 8 D* --> 122Te52 + 26Mg12 + 123.180 MeV [13.415 MeV] (A_Ba:397)
132Ba56 + 8 D* --> 123Te52 + 25Mg12 + 119.016 MeV [9.251 MeV] (A_Ba:398)
132Ba56 + 8 D* --> 124Te52 + 24Mg12 + 121.109 MeV [11.344 MeV] (A_Ba:399)
132Ba56 + 8 D* --> 126Xe54 + 22Ne10 + 113.844 MeV [4.080 MeV] (A_Ba:400)
132Ba56 + 8 D* --> 128Xe54 + 20Ne10 + 113.553 MeV [3.788 MeV] (A_Ba:401)
132Ba56 + 8 D* --> 130Ba56 + 18O8 + 104.694 MeV [-5.071 MeV] (A_Ba:402)
132Ba56 + 8 D* --> 132Ba56 + 16O8 + 109.823 MeV [00.058 MeV] (A_Ba:403)
132Ba56 + 8 D* --> 136Ce58 + 12C6 + 103.119 MeV [-6.645 MeV] (A_Ba:404)
132Ba56 + 8 D* --> 144Sm62 + 4He2 + 96.198 MeV [-13.567 MeV] (A_Ba:405)

132Ba56 + 9 D* --> 100Mo42 + 50V23 + 165.193 MeV [40.307 MeV] (A_Ba:406)
132Ba56 + 9 D* --> 110Pd46 + 40K19 + 151.671 MeV [26.786 MeV] (A_Ba:407)
132Ba56 + 9 D* --> 113Cd48 + 37Cl17 + 150.597 MeV [25.712 MeV] (A_Ba:408)
132Ba56 + 9 D* --> 119Sn50 + 31P15 + 144.296 MeV [19.411 MeV] (A_Ba:409)
132Ba56 + 9 D* --> 121Sb51 + 29Si14 + 141.277 MeV [16.392 MeV] (A_Ba:410)
132Ba56 + 9 D* --> 123Te52 + 27Al13 + 136.155 MeV [11.270 MeV] (A_Ba:411)
132Ba56 + 9 D* --> 136Ce58 + 14N7 + 113.392 MeV [-11.494 MeV] (A_Ba:412)
132Ba56 + 9 D* --> 144Sm62 + 6Li3 + 97.672 MeV [-27.213 MeV] (A_Ba:413)

132Ba56 + 10 D* --> 76Ge32 + 76Se34 + 191.387 MeV [51.079 MeV] (A_Ba:414)
132Ba56 + 10 D* --> 76Se34 + 76Ge32 + 191.387 MeV [51.079 MeV] (A_Ba:415)
132Ba56 + 10 D* --> 78Se34 + 74Ge32 + 193.371 MeV [53.062 MeV] (A_Ba:416)
132Ba56 + 10 D* --> 80Se34 + 72Ge32 + 193.268 MeV [52.960 MeV] (A_Ba:417)
132Ba56 + 10 D* --> 82Se34 + 70Ge32 + 191.079 MeV [50.771 MeV] (A_Ba:418)
132Ba56 + 10 D* --> 81Br35 + 71Ga31 + 191.037 MeV [50.729 MeV] (A_Ba:419)
132Ba56 + 10 D* --> 82Kr36 + 70Zn30 + 193.077 MeV [52.768 MeV] (A_Ba:420)
132Ba56 + 10 D* --> 84Kr36 + 68Zn30 + 195.361 MeV [55.052 MeV] (A_Ba:421)
132Ba56 + 10 D* --> 86Kr36 + 66Zn30 + 195.087 MeV [54.779 MeV] (A_Ba:422)
132Ba56 + 10 D* --> 87Rb37 + 65Cu29 + 194.784 MeV [54.475 MeV] (A_Ba:423)
132Ba56 + 10 D* --> 88Sr38 + 64Ni28 + 197.943 MeV [57.635 MeV] (A_Ba:424)
132Ba56 + 10 D* --> 94Zr40 + 58Fe26 + 192.343 MeV [52.034 MeV] (A_Ba:425)
132Ba56 + 10 D* --> 96Zr40 + 56Fe26 + 188.971 MeV [48.662 MeV] (A_Ba:426)
132Ba56 + 10 D* --> 98Mo42 + 54Cr24 + 187.967 MeV [47.658 MeV] (A_Ba:427)
132Ba56 + 10 D* --> 100Mo42 + 52Cr24 + 184.524 MeV [44.215 MeV] (A_Ba:428)
132Ba56 + 10 D* --> 102Ru44 + 50Ti22 + 183.447 MeV [43.138 MeV] (A_Ba:429)
132Ba56 + 10 D* --> 104Ru44 + 48Ti22 + 179.499 MeV [39.190 MeV] (A_Ba:430)
132Ba56 + 10 D* --> 104Pd46 + 48Ca20 + 176.527 MeV [36.218 MeV] (A_Ba:431)
132Ba56 + 10 D* --> 106Pd46 + 46Ca20 + 175.960 MeV [35.651 MeV] (A_Ba:432)
132Ba56 + 10 D* --> 108Pd46 + 44Ca20 + 173.915 MeV [33.606 MeV] (A_Ba:433)

132Ba56 + 10 D* --> 110Pd46 + 42Ca20 + 169.819 MeV [29.510 MeV] (A_Ba:434)
132Ba56 + 10 D* --> 112Cd48 + 40Ar18 + 168.543 MeV [28.234 MeV] (A_Ba:435)
132Ba56 + 10 D* --> 114Cd48 + 38Ar18 + 167.658 MeV [27.349 MeV] (A_Ba:436)
132Ba56 + 10 D* --> 116Cd48 + 36Ar18 + 161.873 MeV [21.565 MeV] (A_Ba:437)
132Ba56 + 10 D* --> 115In49 + 37Cl17 + 164.221 MeV [23.912 MeV] (A_Ba:438)
132Ba56 + 10 D* --> 116Sn50 + 36S16 + 165.115 MeV [24.806 MeV] (A_Ba:439)
132Ba56 + 10 D* --> 118Sn50 + 34S16 + 164.510 MeV [24.202 MeV] (A_Ba:440)
132Ba56 + 10 D* --> 119Sn50 + 33S16 + 159.577 MeV [19.268 MeV] (A_Ba:441)
132Ba56 + 10 D* --> 120Sn50 + 32S16 + 160.043 MeV [19.734 MeV] (A_Ba:442)
132Ba56 + 10 D* --> 121Sb51 + 31P15 + 156.958 MeV [16.650 MeV] (A_Ba:443)
132Ba56 + 10 D* --> 122Te52 + 30Si14 + 157.669 MeV [17.361 MeV] (A_Ba:444)
132Ba56 + 10 D* --> 123Te52 + 29Si14 + 153.989 MeV [13.681 MeV] (A_Ba:445)
132Ba56 + 10 D* --> 124Te52 + 28Si14 + 154.940 MeV [14.631 MeV] (A_Ba:446)
132Ba56 + 10 D* --> 126Xe54 + 26Mg12 + 148.305 MeV [7.997 MeV] (A_Ba:447)
132Ba56 + 10 D* --> 128Xe54 + 24Mg12 + 146.716 MeV [6.407 MeV] (A_Ba:448)
132Ba56 + 10 D* --> 130Ba56 + 22Ne10 + 138.209 MeV [-2.100 MeV] (A_Ba:449)
132Ba56 + 10 D* --> 132Ba56 + 20Ne10 + 138.399 MeV [-1.910 MeV] (A_Ba:450)
132Ba56 + 10 D* --> 136Ce58 + 16O8 + 134.128 MeV [-6.181 MeV] (A_Ba:451)

132Ba56 + 11 D* --> 81Br35 + 73Ge32 + 205.330 MeV [49.298 MeV] (A_Ba:452)
132Ba56 + 11 D* --> 83Kr36 + 71Ga31 + 206.180 MeV [50.147 MeV] (A_Ba:453)
132Ba56 + 11 D* --> 87Rb37 + 67Zn30 + 208.536 MeV [52.504 MeV] (A_Ba:454)
132Ba56 + 11 D* --> 104Ru44 + 50V23 + 193.369 MeV [37.336 MeV] (A_Ba:455)
132Ba56 + 11 D* --> 113Cd48 + 41K19 + 180.666 MeV [24.634 MeV] (A_Ba:456)
132Ba56 + 11 D* --> 114Cd48 + 40K19 + 179.614 MeV [23.582 MeV] (A_Ba:457)
132Ba56 + 11 D* --> 117Sn50 + 37Cl17 + 178.220 MeV [22.187 MeV] (A_Ba:458)
132Ba56 + 11 D* --> 119Sn50 + 35Cl17 + 175.140 MeV [19.107 MeV] (A_Ba:459)
132Ba56 + 11 D* --> 121Sb51 + 33S16 + 172.239 MeV [16.207 MeV] (A_Ba:460)
132Ba56 + 11 D* --> 123Te52 + 31P15 + 169.671 MeV [13.638 MeV] (A_Ba:461)
132Ba56 + 11 D* --> 144Sm62 + 10B5 + 125.979 MeV [-30.053 MeV] (A_Ba:462)

132Ba56 + 12 D* --> 78Se34 + 78Se34 + 223.246 MeV [51.191 MeV] (A_Ba:463)
132Ba56 + 12 D* --> 80Se34 + 76Se34 + 222.206 MeV [50.151 MeV] (A_Ba:464)
132Ba56 + 12 D* --> 82Se34 + 74Se34 + 219.001 MeV [46.946 MeV] (A_Ba:465)
132Ba56 + 12 D* --> 81Br35 + 75As33 + 220.201 MeV [48.146 MeV] (A_Ba:466)
132Ba56 + 12 D* --> 80Kr36 + 76Ge32 + 220.299 MeV [48.244 MeV] (A_Ba:467)
132Ba56 + 12 D* --> 82Kr36 + 74Ge32 + 223.206 MeV [51.151 MeV] (A_Ba:468)
132Ba56 + 12 D* --> 83Kr36 + 73Ge32 + 220.473 MeV [48.418 MeV] (A_Ba:469)
132Ba56 + 12 D* --> 84Kr36 + 72Ge32 + 224.211 MeV [52.156 MeV] (A_Ba:470)
132Ba56 + 12 D* --> 86Kr36 + 70Ge32 + 223.023 MeV [50.968 MeV] (A_Ba:471)
132Ba56 + 12 D* --> 85Rb37 + 71Ga31 + 221.501 MeV [49.447 MeV] (A_Ba:472)
132Ba56 + 12 D* --> 87Rb37 + 69Ga31 + 223.119 MeV [51.064 MeV] (A_Ba:473)
132Ba56 + 12 D* --> 86Sr38 + 70Zn30 + 223.282 MeV [51.227 MeV] (A_Ba:474)
132Ba56 + 12 D* --> 88Sr38 + 68Zn30 + 227.123 MeV [55.068 MeV] (A_Ba:475)
132Ba56 + 12 D* --> 92Zr40 + 64Ni28 + 224.747 MeV [52.692 MeV] (A_Ba:476)
132Ba56 + 12 D* --> 94Zr40 + 62Ni28 + 223.207 MeV [51.152 MeV] (A_Ba:477)
132Ba56 + 12 D* --> 96Zr40 + 60Ni28 + 219.109 MeV [47.054 MeV] (A_Ba:478)
132Ba56 + 12 D* --> 98Mo42 + 58Fe26 + 219.459 MeV [47.404 MeV] (A_Ba:479)
132Ba56 + 12 D* --> 100Mo42 + 56Fe26 + 215.983 MeV [43.929 MeV] (A_Ba:480)
132Ba56 + 12 D* --> 102Ru44 + 54Cr24 + 215.224 MeV [43.170 MeV] (A_Ba:481)
132Ba56 + 12 D* --> 104Ru44 + 52Cr24 + 212.700 MeV [40.645 MeV] (A_Ba:482)
132Ba56 + 12 D* --> 106Pd46 + 50Ti22 + 210.523 MeV [38.468 MeV] (A_Ba:483)
132Ba56 + 12 D* --> 108Pd46 + 48Ti22 + 207.206 MeV [35.151 MeV] (A_Ba:484)
132Ba56 + 12 D* --> 110Pd46 + 46Ti22 + 201.666 MeV [29.612 MeV] (A_Ba:485)

132Ba56 + 12 D* --> 108Cd48 + 48Ca20 + 202.660 MeV [30.605 MeV] (A_Ba:486)
132Ba56 + 12 D* --> 110Cd48 + 46Ca20 + 202.682 MeV [30.627 MeV] (A_Ba:487)
132Ba56 + 12 D* --> 112Cd48 + 44Ca20 + 201.243 MeV [29.188 MeV] (A_Ba:488)
132Ba56 + 12 D* --> 113Cd48 + 43Ca20 + 196.652 MeV [24.597 MeV] (A_Ba:489)
132Ba56 + 12 D* --> 114Cd48 + 42Ca20 + 197.762 MeV [25.707 MeV] (A_Ba:490)
132Ba56 + 12 D* --> 116Cd48 + 40Ca20 + 192.759 MeV [20.705 MeV] (A_Ba:491)
132Ba56 + 12 D* --> 115In49 + 41K19 + 194.290 MeV [22.235 MeV] (A_Ba:492)
132Ba56 + 12 D* --> 116Sn50 + 40Ar18 + 195.762 MeV [23.707 MeV] (A_Ba:493)
132Ba56 + 12 D* --> 118Sn50 + 38Ar18 + 195.564 MeV [23.510 MeV] (A_Ba:494)
132Ba56 + 12 D* --> 120Sn50 + 36Ar18 + 190.530 MeV [18.476 MeV] (A_Ba:495)
132Ba56 + 12 D* --> 121Sb51 + 35Cl17 + 187.802 MeV [15.748 MeV] (A_Ba:496)
132Ba56 + 12 D* --> 120Te52 + 36S16 + 189.262 MeV [17.208 MeV] (A_Ba:497)
132Ba56 + 12 D* --> 122Te52 + 34S16 + 189.440 MeV [17.385 MeV] (A_Ba:498)
132Ba56 + 12 D* --> 123Te52 + 33S16 + 184.952 MeV [12.897 MeV] (A_Ba:499)
132Ba56 + 12 D* --> 124Te52 + 32S16 + 185.734 MeV [13.679 MeV] (A_Ba:500)
132Ba56 + 12 D* --> 126Xe54 + 30Si14 + 182.795 MeV [10.740 MeV] (A_Ba:501)
132Ba56 + 12 D* --> 128Xe54 + 28Si14 + 180.547 MeV [8.492 MeV] (A_Ba:502)
132Ba56 + 12 D* --> 130Ba56 + 26Mg12 + 172.670 MeV [00.615 MeV] (A_Ba:503)
132Ba56 + 12 D* --> 132Ba56 + 24Mg12 + 171.562 MeV [-0.493 MeV] (A_Ba:504)
132Ba56 + 12 D* --> 136Ce58 + 20Ne10 + 162.704 MeV [-9.351 MeV] (A_Ba:505)
132Ba56 + 12 D* --> 144Sm62 + 12C6 + 151.166 MeV [-20.889 MeV] (A_Ba:506)

134Ba56 + D* --> 122Sn50 + 14N7 + 11.268 MeV [-1.276 MeV] (A_Ba:507)
134Ba56 + D* --> 123Sb51 + 13C6 + 10.285 MeV [-2.260 MeV] (A_Ba:508)
134Ba56 + D* --> 125Te52 + 11B5 + 4.540 MeV [-8.005 MeV] (A_Ba:509)
134Ba56 + D* --> 126Te52 + 10B5 + 2.200 MeV [-10.345 MeV] (A_Ba:510)
134Ba56 + D* --> 127I53 + 9Be4 + 1.821 MeV [-10.723 MeV] (A_Ba:511)
134Ba56 + D* --> 135Ba56 + 1H1 + 4.747 MeV [-7.797 MeV] (A_Ba:512)

134Ba56 + 2 D* --> 116Cd48 + 22Ne10 + 34.066 MeV [8.652 MeV] (A_Ba:513)
134Ba56 + 2 D* --> 120Sn50 + 18O8 + 29.208 MeV [3.795 MeV] (A_Ba:514)
134Ba56 + 2 D* --> 122Sn50 + 16O8 + 32.005 MeV [6.591 MeV] (A_Ba:515)
134Ba56 + 2 D* --> 123Sb51 + 15N7 + 26.444 MeV [1.031 MeV] (A_Ba:516)
134Ba56 + 2 D* --> 125Te52 + 13C6 + 23.219 MeV [-2.195 MeV] (A_Ba:517)
134Ba56 + 2 D* --> 126Te52 + 12C6 + 27.386 MeV [1.973 MeV] (A_Ba:518)
134Ba56 + 2 D* --> 127I53 + 11B5 + 17.637 MeV [-7.777 MeV] (A_Ba:519)
134Ba56 + 2 D* --> 129Xe54 + 9Be4 + 14.671 MeV [-10.742 MeV] (A_Ba:520)
134Ba56 + 2 D* --> 134Ba56 + 4He2 + 23.847 MeV [-1.567 MeV] (A_Ba:521)
134Ba56 + 2 D* --> 135Ba56 + 3He2 + 10.241 MeV [-15.173 MeV] (A_Ba:522)
134Ba56 + 2 D* --> 138Ce58 + 24.890 MeV [-0.523 MeV] (A_Ba:523)

134Ba56 + 3 D* --> 123Sb51 + 17O8 + 40.490 MeV [1.887 MeV] (A_Ba:524)
134Ba56 + 3 D* --> 125Te52 + 15N7 + 39.378 MeV [00.775 MeV] (A_Ba:525)
134Ba56 + 3 D* --> 126Te52 + 14N7 + 37.658 MeV [-0.945 MeV] (A_Ba:526)
134Ba56 + 3 D* --> 127I53 + 13C6 + 36.315 MeV [-2.288 MeV] (A_Ba:527)
134Ba56 + 3 D* --> 129Xe54 + 11B5 + 30.487 MeV [-8.117 MeV] (A_Ba:528)
134Ba56 + 3 D* --> 130Xe54 + 10B5 + 28.288 MeV [-10.315 MeV] (A_Ba:529)
134Ba56 + 3 D* --> 134Ba56 + 6Li3 + 25.320 MeV [-13.283 MeV] (A_Ba:530)
134Ba56 + 3 D* --> 138Ce58 + 2H1 + 24.890 MeV [-13.713 MeV] (A_Ba:531)

134Ba56 + 4 D* --> 94Zr40 + 48Ca20 + 95.074 MeV [42.962 MeV] (A_Ba:532)
134Ba56 + 4 D* --> 96Zr40 + 46Ca20 + 92.171 MeV [40.059 MeV] (A_Ba:533)
134Ba56 + 4 D* --> 116Cd48 + 26Mg12 + 68.527 MeV [16.415 MeV] (A_Ba:534)
134Ba56 + 4 D* --> 120Sn50 + 22Ne10 + 62.723 MeV [10.611 MeV] (A_Ba:535)

134Ba56 + 4 D* --> 122Sn50 + 20Ne10 + 60.581 MeV [8.469 MeV] (A_Ba:536)
134Ba56 + 4 D* --> 123Sb51 + 19F9 + 54.305 MeV [2.193 MeV] (A_Ba:537)
134Ba56 + 4 D* --> 124Te52 + 18O8 + 54.899 MeV [2.787 MeV] (A_Ba:538)
134Ba56 + 4 D* --> 125Te52 + 17O8 + 53.424 MeV [1.312 MeV] (A_Ba:539)
134Ba56 + 4 D* --> 126Te52 + 16O8 + 58.395 MeV [6.283 MeV] (A_Ba:540)
134Ba56 + 4 D* --> 127I53 + 15N7 + 52.475 MeV [00.363 MeV] (A_Ba:541)
134Ba56 + 4 D* --> 129Xe54 + 13C6 + 49.165 MeV [-2.946 MeV] (A_Ba:542)
134Ba56 + 4 D* --> 130Xe54 + 12C6 + 53.475 MeV [1.363 MeV] (A_Ba:543)
134Ba56 + 4 D* --> 138Ce58 + 4He2 + 48.737 MeV [-3.375 MeV] (A_Ba:544)
134Ba56 + 4 D* --> 141Pr59 + 1H1 + 42.325 MeV [-9.787 MeV] (A_Ba:545)
134Ba56 + 4 D* --> 142Nd60 + 49.548 MeV [-2.563 MeV] (A_Ba:546)

134Ba56 + 5 D* --> 123Sb51 + 21Ne10 + 71.685 MeV [5.749 MeV] (A_Ba:547)
134Ba56 + 5 D* --> 125Te52 + 19F9 + 67.238 MeV [1.303 MeV] (A_Ba:548)
134Ba56 + 5 D* --> 127I53 + 17O8 + 66.521 MeV [00.585 MeV] (A_Ba:549)
134Ba56 + 5 D* --> 129Xe54 + 15N7 + 65.325 MeV [-0.611 MeV] (A_Ba:550)
134Ba56 + 5 D* --> 130Xe54 + 14N7 + 63.747 MeV [-2.189 MeV] (A_Ba:551)
134Ba56 + 5 D* --> 134Ba56 + 10B5 + 53.628 MeV [-12.308 MeV] (A_Ba:552)
134Ba56 + 5 D* --> 138Ce58 + 6Li3 + 50.210 MeV [-15.725 MeV] (A_Ba:553)
134Ba56 + 5 D* --> 141Pr59 + 3He2 + 47.818 MeV [-18.117 MeV] (A_Ba:554)
134Ba56 + 5 D* --> 142Nd60 + 2H1 + 49.548 MeV [-16.387 MeV] (A_Ba:555)
134Ba56 + 5 D* --> 143Nd60 + 1H1 + 53.447 MeV [-12.488 MeV] (A_Ba:556)

134Ba56 + 6 D* --> 76Ge32 + 70Zn30 + 132.642 MeV [52.570 MeV] (A_Ba:557)
134Ba56 + 6 D* --> 82Se34 + 64Ni28 + 134.558 MeV [54.485 MeV] (A_Ba:558)
134Ba56 + 6 D* --> 96Zr40 + 50Ti22 + 126.734 MeV [46.662 MeV] (A_Ba:559)
134Ba56 + 6 D* --> 98Mo42 + 48Ca20 + 122.190 MeV [42.118 MeV] (A_Ba:560)
134Ba56 + 6 D* --> 100Mo42 + 46Ca20 + 119.184 MeV [39.111 MeV] (A_Ba:561)
134Ba56 + 6 D* --> 110Pd46 + 36S16 + 108.878 MeV [28.805 MeV] (A_Ba:562)
134Ba56 + 6 D* --> 116Cd48 + 30Si14 + 103.017 MeV [22.944 MeV] (A_Ba:563)
134Ba56 + 6 D* --> 120Sn50 + 26Mg12 + 97.184 MeV [17.112 MeV] (A_Ba:564)
134Ba56 + 6 D* --> 122Sn50 + 24Mg12 + 93.744 MeV [13.672 MeV] (A_Ba:565)
134Ba56 + 6 D* --> 123Sb51 + 23Na11 + 88.618 MeV [8.546 MeV] (A_Ba:566)
134Ba56 + 6 D* --> 124Te52 + 22Ne10 + 88.414 MeV [8.341 MeV] (A_Ba:567)
134Ba56 + 6 D* --> 125Te52 + 21Ne10 + 84.618 MeV [4.546 MeV] (A_Ba:568)
134Ba56 + 6 D* --> 126Te52 + 20Ne10 + 86.971 MeV [6.899 MeV] (A_Ba:569)
134Ba56 + 6 D* --> 127I53 + 19F9 + 80.335 MeV [00.263 MeV] (A_Ba:570)
134Ba56 + 6 D* --> 128Xe54 + 18O8 + 80.506 MeV [00.434 MeV] (A_Ba:571)
134Ba56 + 6 D* --> 129Xe54 + 17O8 + 79.371 MeV [-0.702 MeV] (A_Ba:572)
134Ba56 + 6 D* --> 130Xe54 + 16O8 + 84.483 MeV [4.411 MeV] (A_Ba:573)
134Ba56 + 6 D* --> 134Ba56 + 12C6 + 78.814 MeV [-1.258 MeV] (A_Ba:574)
134Ba56 + 6 D* --> 142Nd60 + 4He2 + 73.395 MeV [-6.678 MeV] (A_Ba:575)
134Ba56 + 6 D* --> 143Nd60 + 3He2 + 58.941 MeV [-21.132 MeV] (A_Ba:576)

134Ba56 + 7 D* --> 123Sb51 + 25Mg12 + 105.417 MeV [10.898 MeV] (A_Ba:577)
134Ba56 + 7 D* --> 125Te52 + 23Na11 + 101.552 MeV [7.033 MeV] (A_Ba:578)
134Ba56 + 7 D* --> 127I53 + 21Ne10 + 97.715 MeV [3.196 MeV] (A_Ba:579)
134Ba56 + 7 D* --> 129Xe54 + 19F9 + 93.185 MeV [-1.335 MeV] (A_Ba:580)
134Ba56 + 7 D* --> 134Ba56 + 14N7 + 89.087 MeV [-5.433 MeV] (A_Ba:581)
134Ba56 + 7 D* --> 138Ce58 + 10B5 + 78.518 MeV [-16.002 MeV] (A_Ba:582)
134Ba56 + 7 D* --> 142Nd60 + 6Li3 + 74.869 MeV [-19.651 MeV] (A_Ba:583)
134Ba56 + 7 D* --> 147Sm62 + 1H1 + 74.983 MeV [-19.536 MeV] (A_Ba:584)

134Ba56 + 8 D* --> 76Ge32 + 74Ge32 + 162.771 MeV [53.497 MeV] (A_Ba:585)

134Ba56 + 8 D* --> 80Se34 + 70Zn30 + 163.460 MeV [54.186 MeV] (A_Ba:586)
134Ba56 + 8 D* --> 82Se34 + 68Zn30 + 163.737 MeV [54.463 MeV] (A_Ba:587)
134Ba56 + 8 D* --> 86Kr36 + 64Ni28 + 166.501 MeV [57.226 MeV] (A_Ba:588)
134Ba56 + 8 D* --> 96Zr40 + 54Cr24 + 158.511 MeV [49.237 MeV] (A_Ba:589)
134Ba56 + 8 D* --> 100Mo42 + 50Ti22 + 153.747 MeV [44.472 MeV] (A_Ba:590)
134Ba56 + 8 D* --> 102Ru44 + 48Ca20 + 149.448 MeV [40.173 MeV] (A_Ba:591)
134Ba56 + 8 D* --> 104Ru44 + 46Ca20 + 147.360 MeV [38.085 MeV] (A_Ba:592)
134Ba56 + 8 D* --> 110Pd46 + 40Ar18 + 139.525 MeV [30.250 MeV] (A_Ba:593)
134Ba56 + 8 D* --> 114Cd48 + 36S16 + 136.821 MeV [27.546 MeV] (A_Ba:594)
134Ba56 + 8 D* --> 116Cd48 + 34S16 + 134.787 MeV [25.512 MeV] (A_Ba:595)
134Ba56 + 8 D* --> 120Sn50 + 30Si14 + 131.674 MeV [22.399 MeV] (A_Ba:596)
134Ba56 + 8 D* --> 122Sn50 + 28Si14 + 127.575 MeV [18.300 MeV] (A_Ba:597)
134Ba56 + 8 D* --> 123Sb51 + 27Al13 + 122.557 MeV [13.282 MeV] (A_Ba:598)
134Ba56 + 8 D* --> 124Te52 + 26Mg12 + 122.875 MeV [13.600 MeV] (A_Ba:599)
134Ba56 + 8 D* --> 125Te52 + 25Mg12 + 118.351 MeV [9.076 MeV] (A_Ba:600)
134Ba56 + 8 D* --> 126Te52 + 24Mg12 + 120.134 MeV [10.859 MeV] (A_Ba:601)
134Ba56 + 8 D* --> 127I53 + 23Na11 + 114.649 MeV [5.374 MeV] (A_Ba:602)
134Ba56 + 8 D* --> 128Xe54 + 22Ne10 + 114.021 MeV [4.746 MeV] (A_Ba:603)
134Ba56 + 8 D* --> 129Xe54 + 21Ne10 + 110.565 MeV [1.290 MeV] (A_Ba:604)
134Ba56 + 8 D* --> 130Xe54 + 20Ne10 + 113.060 MeV [3.785 MeV] (A_Ba:605)
134Ba56 + 8 D* --> 132Ba56 + 18O8 + 105.352 MeV [-3.922 MeV] (A_Ba:606)
134Ba56 + 8 D* --> 134Ba56 + 16O8 + 109.823 MeV [00.548 MeV] (A_Ba:607)
134Ba56 + 8 D* --> 138Ce58 + 12C6 + 103.704 MeV [-5.570 MeV] (A_Ba:608)
134Ba56 + 8 D* --> 147Sm62 + 3He2 + 80.477 MeV [-28.798 MeV] (A_Ba:609)

134Ba56 + 9 D* --> 123Sb51 + 29Si14 + 140.391 MeV [16.056 MeV] (A_Ba:610)
134Ba56 + 9 D* --> 125Te52 + 27Al13 + 135.490 MeV [11.155 MeV] (A_Ba:611)
134Ba56 + 9 D* --> 127I53 + 25Mg12 + 131.448 MeV [7.112 MeV] (A_Ba:612)
134Ba56 + 9 D* --> 129Xe54 + 23Na11 + 127.499 MeV [3.164 MeV] (A_Ba:613)
134Ba56 + 9 D* --> 138Ce58 + 14N7 + 113.977 MeV [-10.358 MeV] (A_Ba:614)
134Ba56 + 9 D* --> 142Nd60 + 10B5 + 103.176 MeV [-21.159 MeV] (A_Ba:615)

134Ba56 + 10 D* --> 78Se34 + 76Ge32 + 192.646 MeV [52.948 MeV] (A_Ba:616)
134Ba56 + 10 D* --> 80Se34 + 74Ge32 + 193.590 MeV [53.891 MeV] (A_Ba:617)
134Ba56 + 10 D* --> 82Se34 + 72Ge32 + 192.587 MeV [52.889 MeV] (A_Ba:618)
134Ba56 + 10 D* --> 84Kr36 + 70Zn30 + 194.403 MeV [54.704 MeV] (A_Ba:619)
134Ba56 + 10 D* --> 86Kr36 + 68Zn30 + 195.680 MeV [55.981 MeV] (A_Ba:620)
134Ba56 + 10 D* --> 96Zr40 + 58Fe26 + 190.004 MeV [50.305 MeV] (A_Ba:621)
134Ba56 + 10 D* --> 100Mo42 + 54Cr24 + 185.524 MeV [45.826 MeV] (A_Ba:622)
134Ba56 + 10 D* --> 104Ru44 + 50Ti22 + 181.923 MeV [42.224 MeV] (A_Ba:623)
134Ba56 + 10 D* --> 106Pd46 + 48Ca20 + 176.524 MeV [36.825 MeV] (A_Ba:624)
134Ba56 + 10 D* --> 108Pd46 + 46Ca20 + 175.067 MeV [35.368 MeV] (A_Ba:625)
134Ba56 + 10 D* --> 110Pd46 + 44Ca20 + 172.225 MeV [32.526 MeV] (A_Ba:626)
134Ba56 + 10 D* --> 114Cd48 + 40Ar18 + 167.468 MeV [27.770 MeV] (A_Ba:627)
134Ba56 + 10 D* --> 116Cd48 + 38Ar18 + 165.841 MeV [26.143 MeV] (A_Ba:628)
134Ba56 + 10 D* --> 118Sn50 + 36S16 + 164.727 MeV [25.029 MeV] (A_Ba:629)
134Ba56 + 10 D* --> 120Sn50 + 34S16 + 163.444 MeV [23.746 MeV] (A_Ba:630)
134Ba56 + 10 D* --> 122Sn50 + 32S16 + 158.369 MeV [18.670 MeV] (A_Ba:631)
134Ba56 + 10 D* --> 123Sb51 + 31P15 + 156.072 MeV [16.374 MeV] (A_Ba:632)
134Ba56 + 10 D* --> 124Te52 + 30Si14 + 157.365 MeV [17.666 MeV] (A_Ba:633)
134Ba56 + 10 D* --> 125Te52 + 29Si14 + 153.325 MeV [13.626 MeV] (A_Ba:634)
134Ba56 + 10 D* --> 126Te52 + 28Si14 + 153.965 MeV [14.266 MeV] (A_Ba:635)
134Ba56 + 10 D* --> 127I53 + 27Al13 + 148.587 MeV [8.888 MeV] (A_Ba:636)
134Ba56 + 10 D* --> 128Xe54 + 26Mg12 + 148.482 MeV [8.783 MeV] (A_Ba:637)

134Ba56 + 10 D* --> 129Xe54 + 25Mg12 + 144.298 MeV [4.599 MeV] (A_Ba:638)
134Ba56 + 10 D* --> 130Xe54 + 24Mg12 + 146.223 MeV [6.524 MeV] (A_Ba:639)
134Ba56 + 10 D* --> 132Ba56 + 22Ne10 + 138.867 MeV [-0.832 MeV] (A_Ba:640)
134Ba56 + 10 D* --> 134Ba56 + 20Ne10 + 138.399 MeV [-1.300 MeV] (A_Ba:641)
134Ba56 + 10 D* --> 136Ce58 + 18O8 + 129.657 MeV [-10.041 MeV] (A_Ba:642)
134Ba56 + 10 D* --> 138Ce58 + 16O8 + 134.713 MeV [-4.986 MeV] (A_Ba:643)
134Ba56 + 10 D* --> 142Nd60 + 12C6 + 128.363 MeV [-11.336 MeV] (A_Ba:644)

134Ba56 + 11 D* --> 116Cd48 + 40K19 + 177.798 MeV [22.435 MeV] (A_Ba:645)
134Ba56 + 11 D* --> 119Sn50 + 37Cl17 + 177.373 MeV [22.010 MeV] (A_Ba:646)
134Ba56 + 11 D* --> 123Sb51 + 33S16 + 171.353 MeV [15.990 MeV] (A_Ba:647)
134Ba56 + 11 D* --> 125Te52 + 31P15 + 169.006 MeV [13.643 MeV] (A_Ba:648)
134Ba56 + 11 D* --> 127I53 + 29Si14 + 166.421 MeV [11.058 MeV] (A_Ba:649)
134Ba56 + 11 D* --> 129Xe54 + 27Al13 + 161.437 MeV [6.074 MeV] (A_Ba:650)
134Ba56 + 11 D* --> 142Nd60 + 14N7 + 138.635 MeV [-16.728 MeV] (A_Ba:651)

134Ba56 + 12 D* --> 80Se34 + 78Se34 + 223.465 MeV [52.139 MeV] (A_Ba:652)
134Ba56 + 12 D* --> 82Se34 + 76Se34 + 221.525 MeV [50.199 MeV] (A_Ba:653)
134Ba56 + 12 D* --> 82Kr36 + 76Ge32 + 222.481 MeV [51.156 MeV] (A_Ba:654)
134Ba56 + 12 D* --> 84Kr36 + 74Ge32 + 224.532 MeV [53.206 MeV] (A_Ba:655)
134Ba56 + 12 D* --> 86Kr36 + 72Ge32 + 224.530 MeV [53.204 MeV] (A_Ba:656)
134Ba56 + 12 D* --> 87Rb37 + 71Ga31 + 223.417 MeV [52.091 MeV] (A_Ba:657)
134Ba56 + 12 D* --> 88Sr38 + 70Zn30 + 226.165 MeV [54.839 MeV] (A_Ba:658)
134Ba56 + 12 D* --> 94Zr40 + 64Ni28 + 223.045 MeV [51.719 MeV] (A_Ba:659)
134Ba56 + 12 D* --> 96Zr40 + 62Ni28 + 220.868 MeV [49.542 MeV] (A_Ba:660)
134Ba56 + 12 D* --> 100Mo42 + 58Fe26 + 217.017 MeV [45.691 MeV] (A_Ba:661)
134Ba56 + 12 D* --> 104Ru44 + 54Cr24 + 213.700 MeV [42.374 MeV] (A_Ba:662)
134Ba56 + 12 D* --> 108Pd46 + 50Ti22 + 209.630 MeV [38.304 MeV] (A_Ba:663)
134Ba56 + 12 D* --> 110Pd46 + 48Ti22 + 205.516 MeV [34.190 MeV] (A_Ba:664)
134Ba56 + 12 D* --> 110Cd48 + 48Ca20 + 203.246 MeV [31.920 MeV] (A_Ba:665)
134Ba56 + 12 D* --> 112Cd48 + 46Ca20 + 202.394 MeV [31.069 MeV] (A_Ba:666)
134Ba56 + 12 D* --> 114Cd48 + 44Ca20 + 200.168 MeV [28.842 MeV] (A_Ba:667)
134Ba56 + 12 D* --> 116Cd48 + 42Ca20 + 195.945 MeV [24.619 MeV] (A_Ba:668)
134Ba56 + 12 D* --> 118Sn50 + 40Ar18 + 195.375 MeV [24.049 MeV] (A_Ba:669)
134Ba56 + 12 D* --> 120Sn50 + 38Ar18 + 194.498 MeV [23.173 MeV] (A_Ba:670)
134Ba56 + 12 D* --> 122Sn50 + 36Ar18 + 188.856 MeV [17.530 MeV] (A_Ba:671)
134Ba56 + 12 D* --> 121Sb51 + 37Cl17 + 190.035 MeV [18.710 MeV] (A_Ba:672)
134Ba56 + 12 D* --> 123Sb51 + 35Cl17 + 186.916 MeV [15.591 MeV] (A_Ba:673)
134Ba56 + 12 D* --> 122Te52 + 36S16 + 189.657 MeV [18.331 MeV] (A_Ba:674)
134Ba56 + 12 D* --> 124Te52 + 34S16 + 189.135 MeV [17.809 MeV] (A_Ba:675)
134Ba56 + 12 D* --> 125Te52 + 33S16 + 184.287 MeV [12.961 MeV] (A_Ba:676)
134Ba56 + 12 D* --> 126Te52 + 32S16 + 184.759 MeV [13.433 MeV] (A_Ba:677)
134Ba56 + 12 D* --> 127I53 + 31P15 + 182.103 MeV [10.777 MeV] (A_Ba:678)
134Ba56 + 12 D* --> 128Xe54 + 30Si14 + 182.972 MeV [11.646 MeV] (A_Ba:679)
134Ba56 + 12 D* --> 129Xe54 + 29Si14 + 179.271 MeV [7.945 MeV] (A_Ba:680)
134Ba56 + 12 D* --> 130Xe54 + 28Si14 + 180.053 MeV [8.727 MeV] (A_Ba:681)
134Ba56 + 12 D* --> 132Ba56 + 26Mg12 + 173.328 MeV [2.002 MeV] (A_Ba:682)
134Ba56 + 12 D* --> 134Ba56 + 24Mg12 + 171.562 MeV [00.236 MeV] (A_Ba:683)
134Ba56 + 12 D* --> 136Ce58 + 22Ne10 + 163.172 MeV [-8.154 MeV] (A_Ba:684)
134Ba56 + 12 D* --> 138Ce58 + 20Ne10 + 163.289 MeV [-8.037 MeV] (A_Ba:685)
134Ba56 + 12 D* --> 142Nd60 + 16O8 + 159.371 MeV [-11.955 MeV] (A_Ba:686)

135Ba56 + D* --> 122Sn50 + 15N7 + 15.130 MeV [2.616 MeV] (A_Ba:687)
135Ba56 + D* --> 126Te52 + 11B5 + 6.682 MeV [-5.832 MeV] (A_Ba:688)

135Ba56 + D* --> 130Xe54 + 7Li3 + 00.259 MeV [-12.255 MeV] (A_Ba:689)
135Ba56 + D* --> 133Cs55 + 4He2 + 10.931 MeV [-1.583 MeV] (A_Ba:690)
135Ba56 + D* --> 136Ba56 + 1H1 + 6.883 MeV [-5.631 MeV] (A_Ba:691)

135Ba56 + 2 D* --> 122Sn50 + 17O8 + 29.176 MeV [3.823 MeV] (A_Ba:692)
135Ba56 + 2 D* --> 126Te52 + 13C6 + 25.360 MeV [00.008 MeV] (A_Ba:693)
135Ba56 + 2 D* --> 130Xe54 + 9Be4 + 16.955 MeV [-8.397 MeV] (A_Ba:694)
135Ba56 + 2 D* --> 133Cs55 + 6Li3 + 12.405 MeV [-12.947 MeV] (A_Ba:695)
135Ba56 + 2 D* --> 135Ba56 + 4He2 + 23.847 MeV [-1.506 MeV] (A_Ba:696)
135Ba56 + 2 D* --> 136Ba56 + 3He2 + 12.377 MeV [-12.976 MeV] (A_Ba:697)
135Ba56 + 2 D* --> 138La57 + 1H1 + 17.657 MeV [-7.696 MeV] (A_Ba:698)

135Ba56 + 3 D* --> 122Sn50 + 19F9 + 42.990 MeV [4.478 MeV] (A_Ba:699)
135Ba56 + 3 D* --> 123Sb51 + 18O8 + 41.562 MeV [3.050 MeV] (A_Ba:700)
135Ba56 + 3 D* --> 126Te52 + 15N7 + 41.520 MeV [3.008 MeV] (A_Ba:701)
135Ba56 + 3 D* --> 130Xe54 + 11B5 + 32.770 MeV [-5.742 MeV] (A_Ba:702)
135Ba56 + 3 D* --> 131Xe54 + 10B5 + 27.921 MeV [-10.591 MeV] (A_Ba:703)
135Ba56 + 3 D* --> 134Ba56 + 7Li3 + 25.598 MeV [-12.914 MeV] (A_Ba:704)
135Ba56 + 3 D* --> 135Ba56 + 6Li3 + 25.320 MeV [-13.192 MeV] (A_Ba:705)
135Ba56 + 3 D* --> 138La57 + 3He2 + 23.150 MeV [-15.362 MeV] (A_Ba:706)
135Ba56 + 3 D* --> 140Ce58 + 1H1 + 32.351 MeV [-6.161 MeV] (A_Ba:707)
135Ba56 + 3 D* --> 141Pr59 + 37.578 MeV [-0.934 MeV] (A_Ba:708)

135Ba56 + 4 D* --> 122Sn50 + 21Ne10 + 60.370 MeV [8.380 MeV] (A_Ba:709)
135Ba56 + 4 D* --> 125Te52 + 18O8 + 54.496 MeV [2.506 MeV] (A_Ba:710)
135Ba56 + 4 D* --> 126Te52 + 17O8 + 55.566 MeV [3.576 MeV] (A_Ba:711)
135Ba56 + 4 D* --> 130Xe54 + 13C6 + 51.449 MeV [-0.541 MeV] (A_Ba:712)
135Ba56 + 4 D* --> 131Xe54 + 12C6 + 53.108 MeV [1.118 MeV] (A_Ba:713)
135Ba56 + 4 D* --> 133Cs55 + 10B5 + 40.713 MeV [-11.277 MeV] (A_Ba:714)
135Ba56 + 4 D* --> 134Ba56 + 9Be4 + 42.295 MeV [-9.695 MeV] (A_Ba:715)
135Ba56 + 4 D* --> 140Ce58 + 3He2 + 37.844 MeV [-14.145 MeV] (A_Ba:716)
135Ba56 + 4 D* --> 141Pr59 + 2H1 + 37.578 MeV [-14.412 MeV] (A_Ba:717)
135Ba56 + 4 D* --> 143Nd60 + 48.700 MeV [-3.290 MeV] (A_Ba:718)

135Ba56 + 5 D* --> 122Sn50 + 23Na11 + 77.304 MeV [11.520 MeV] (A_Ba:719)
135Ba56 + 5 D* --> 123Sb51 + 22Ne10 + 75.077 MeV [9.293 MeV] (A_Ba:720)
135Ba56 + 5 D* --> 126Te52 + 19F9 + 69.380 MeV [3.596 MeV] (A_Ba:721)
135Ba56 + 5 D* --> 127I53 + 18O8 + 67.593 MeV [1.809 MeV] (A_Ba:722)
135Ba56 + 5 D* --> 130Xe54 + 15N7 + 67.608 MeV [1.825 MeV] (A_Ba:723)
135Ba56 + 5 D* --> 131Xe54 + 14N7 + 63.380 MeV [-2.404 MeV] (A_Ba:724)
135Ba56 + 5 D* --> 133Cs55 + 12C6 + 65.899 MeV [00.115 MeV] (A_Ba:725)
135Ba56 + 5 D* --> 134Ba56 + 11B5 + 58.110 MeV [-7.674 MeV] (A_Ba:726)
135Ba56 + 5 D* --> 135Ba56 + 10B5 + 53.628 MeV [-12.156 MeV] (A_Ba:727)
135Ba56 + 5 D* --> 138Ce58 + 7Li3 + 50.488 MeV [-15.295 MeV] (A_Ba:728)
135Ba56 + 5 D* --> 141Pr59 + 4He2 + 61.424 MeV [-4.360 MeV] (A_Ba:729)
135Ba56 + 5 D* --> 143Nd60 + 2H1 + 48.700 MeV [-17.084 MeV] (A_Ba:730)
135Ba56 + 5 D* --> 144Nd60 + 1H1 + 54.292 MeV [-11.491 MeV] (A_Ba:731)

135Ba56 + 6 D* --> 122Sn50 + 25Mg12 + 94.103 MeV [14.212 MeV] (A_Ba:732)
135Ba56 + 6 D* --> 125Te52 + 22Ne10 + 88.011 MeV [8.120 MeV] (A_Ba:733)
135Ba56 + 6 D* --> 126Te52 + 21Ne10 + 86.760 MeV [6.870 MeV] (A_Ba:734)
135Ba56 + 6 D* --> 129Xe54 + 18O8 + 80.443 MeV [00.552 MeV] (A_Ba:735)
135Ba56 + 6 D* --> 130Xe54 + 17O8 + 81.654 MeV [1.764 MeV] (A_Ba:736)
135Ba56 + 6 D* --> 131Xe54 + 16O8 + 84.116 MeV [4.226 MeV] (A_Ba:737)

135Ba56 + 6 D* --> 133Cs55 + 14N7 + 76.171 MeV [-3.719 MeV] (A_Ba:738)
135Ba56 + 6 D* --> 134Ba56 + 13C6 + 76.789 MeV [-3.102 MeV] (A_Ba:739)
135Ba56 + 6 D* --> 135Ba56 + 12C6 + 78.814 MeV [-1.076 MeV] (A_Ba:740)
135Ba56 + 6 D* --> 138Ce58 + 9Be4 + 67.185 MeV [-12.706 MeV] (A_Ba:741)
135Ba56 + 6 D* --> 141Pr59 + 6Li3 + 62.898 MeV [-16.992 MeV] (A_Ba:742)
135Ba56 + 6 D* --> 143Nd60 + 4He2 + 72.546 MeV [-7.344 MeV] (A_Ba:743)
135Ba56 + 6 D* --> 144Nd60 + 3He2 + 59.786 MeV [-20.105 MeV] (A_Ba:744)
135Ba56 + 6 D* --> 147Sm62 + 70.236 MeV [-9.654 MeV] (A_Ba:745)

135Ba56 + 7 D* --> 122Sn50 + 27Al13 + 111.242 MeV [16.935 MeV] (A_Ba:746)
135Ba56 + 7 D* --> 123Sb51 + 26Mg12 + 109.538 MeV [15.231 MeV] (A_Ba:747)
135Ba56 + 7 D* --> 126Te52 + 23Na11 + 103.694 MeV [9.386 MeV] (A_Ba:748)
135Ba56 + 7 D* --> 127I53 + 22Ne10 + 101.107 MeV [6.800 MeV] (A_Ba:749)
135Ba56 + 7 D* --> 130Xe54 + 19F9 + 95.469 MeV [1.161 MeV] (A_Ba:750)
135Ba56 + 7 D* --> 133Cs55 + 16O8 + 96.908 MeV [2.600 MeV] (A_Ba:751)
135Ba56 + 7 D* --> 134Ba56 + 15N7 + 92.948 MeV [-1.360 MeV] (A_Ba:752)
135Ba56 + 7 D* --> 135Ba56 + 14N7 + 89.087 MeV [-5.221 MeV] (A_Ba:753)
135Ba56 + 7 D* --> 138Ce58 + 11B5 + 83.000 MeV [-11.307 MeV] (A_Ba:754)
135Ba56 + 7 D* --> 142Nd60 + 7Li3 + 75.147 MeV [-19.161 MeV] (A_Ba:755)
135Ba56 + 7 D* --> 143Nd60 + 6Li3 + 74.020 MeV [-20.287 MeV] (A_Ba:756)
135Ba56 + 7 D* --> 147Sm62 + 2H1 + 70.236 MeV [-24.072 MeV] (A_Ba:757)
135Ba56 + 7 D* --> 148Sm62 + 1H1 + 76.153 MeV [-18.155 MeV] (A_Ba:758)

135Ba56 + 8 D* --> 122Sn50 + 29Si14 + 129.076 MeV [20.043 MeV] (A_Ba:759)
135Ba56 + 8 D* --> 125Te52 + 26Mg12 + 122.472 MeV [13.439 MeV] (A_Ba:760)
135Ba56 + 8 D* --> 126Te52 + 25Mg12 + 120.493 MeV [11.460 MeV] (A_Ba:761)
135Ba56 + 8 D* --> 129Xe54 + 22Ne10 + 113.957 MeV [4.925 MeV] (A_Ba:762)
135Ba56 + 8 D* --> 130Xe54 + 21Ne10 + 112.849 MeV [3.816 MeV] (A_Ba:763)
135Ba56 + 8 D* --> 131Xe54 + 20Ne10 + 112.692 MeV [3.660 MeV] (A_Ba:764)
135Ba56 + 8 D* --> 134Ba56 + 17O8 + 106.994 MeV [-2.039 MeV] (A_Ba:765)
135Ba56 + 8 D* --> 135Ba56 + 16O8 + 109.823 MeV [00.790 MeV] (A_Ba:766)
135Ba56 + 8 D* --> 138Ce58 + 13C6 + 101.679 MeV [-7.354 MeV] (A_Ba:767)
135Ba56 + 8 D* --> 141Pr59 + 10B5 + 91.205 MeV [-17.827 MeV] (A_Ba:768)
135Ba56 + 8 D* --> 142Nd60 + 9Be4 + 91.843 MeV [-17.190 MeV] (A_Ba:769)
135Ba56 + 8 D* --> 147Sm62 + 4He2 + 94.082 MeV [-14.950 MeV] (A_Ba:770)
135Ba56 + 8 D* --> 148Sm62 + 3He2 + 81.646 MeV [-27.387 MeV] (A_Ba:771)

135Ba56 + 9 D* --> 82Se34 + 71Ga31 + 178.105 MeV [54.042 MeV] (A_Ba:772)
135Ba56 + 9 D* --> 116Cd48 + 37Cl17 + 150.852 MeV [26.788 MeV] (A_Ba:773)
135Ba56 + 9 D* --> 122Sn50 + 31P15 + 144.758 MeV [20.694 MeV] (A_Ba:774)
135Ba56 + 9 D* --> 123Sb51 + 30Si14 + 144.028 MeV [19.964 MeV] (A_Ba:775)
135Ba56 + 9 D* --> 126Te52 + 27Al13 + 137.632 MeV [13.569 MeV] (A_Ba:776)
135Ba56 + 9 D* --> 127I53 + 26Mg12 + 135.569 MeV [11.505 MeV] (A_Ba:777)
135Ba56 + 9 D* --> 130Xe54 + 23Na11 + 129.783 MeV [5.719 MeV] (A_Ba:778)
135Ba56 + 9 D* --> 133Cs55 + 20Ne10 + 125.484 MeV [1.420 MeV] (A_Ba:779)
135Ba56 + 9 D* --> 134Ba56 + 19F9 + 120.808 MeV [-3.255 MeV] (A_Ba:780)
135Ba56 + 9 D* --> 138Ce58 + 15N7 + 117.838 MeV [-6.226 MeV] (A_Ba:781)
135Ba56 + 9 D* --> 141Pr59 + 12C6 + 116.392 MeV [-7.672 MeV] (A_Ba:782)
135Ba56 + 9 D* --> 142Nd60 + 11B5 + 107.658 MeV [-16.405 MeV] (A_Ba:783)
135Ba56 + 9 D* --> 143Nd60 + 10B5 + 102.328 MeV [-21.736 MeV] (A_Ba:784)
135Ba56 + 9 D* --> 147Sm62 + 6Li3 + 95.556 MeV [-28.507 MeV] (A_Ba:785)
135Ba56 + 9 D* --> 152Gd64 + 1H1 + 97.796 MeV [-26.267 MeV] (A_Ba:786)

135Ba56 + 10 D* --> 82Se34 + 73Ge32 + 192.398 MeV [53.001 MeV] (A_Ba:787)

135Ba56 + 10 D* --> 119Sn50 + 36S16 + 164.239 MeV [24.842 MeV] (A_Ba:788)
135Ba56 + 10 D* --> 122Sn50 + 33S16 + 160.039 MeV [20.641 MeV] (A_Ba:789)
135Ba56 + 10 D* --> 125Te52 + 30Si14 + 156.962 MeV [17.564 MeV] (A_Ba:790)
135Ba56 + 10 D* --> 126Te52 + 29Si14 + 155.466 MeV [16.069 MeV] (A_Ba:791)
135Ba56 + 10 D* --> 129Xe54 + 26Mg12 + 148.419 MeV [9.021 MeV] (A_Ba:792)
135Ba56 + 10 D* --> 130Xe54 + 25Mg12 + 146.581 MeV [7.184 MeV] (A_Ba:793)
135Ba56 + 10 D* --> 131Xe54 + 24Mg12 + 145.855 MeV [6.458 MeV] (A_Ba:794)
135Ba56 + 10 D* --> 134Ba56 + 21Ne10 + 138.188 MeV [-1.209 MeV] (A_Ba:795)
135Ba56 + 10 D* --> 135Ba56 + 20Ne10 + 138.399 MeV [-0.998 MeV] (A_Ba:796)
135Ba56 + 10 D* --> 138Ce58 + 17O8 + 131.884 MeV [-7.514 MeV] (A_Ba:797)
135Ba56 + 10 D* --> 141Pr59 + 14N7 + 126.664 MeV [-12.733 MeV] (A_Ba:798)
135Ba56 + 10 D* --> 142Nd60 + 13C6 + 126.337 MeV [-13.061 MeV] (A_Ba:799)
135Ba56 + 10 D* --> 143Nd60 + 12C6 + 127.514 MeV [-11.883 MeV] (A_Ba:800)
135Ba56 + 10 D* --> 152Gd64 + 3He2 + 103.290 MeV [-36.108 MeV] (A_Ba:801)

135Ba56 + 11 D* --> 82Se34 + 75As33 + 207.269 MeV [52.236 MeV] (A_Ba:802)
135Ba56 + 11 D* --> 81Br35 + 76Ge32 + 207.830 MeV [52.798 MeV] (A_Ba:803)
135Ba56 + 11 D* --> 86Kr36 + 71Ga31 + 210.048 MeV [55.016 MeV] (A_Ba:804)
135Ba56 + 11 D* --> 87Rb37 + 70Zn30 + 210.805 MeV [55.772 MeV] (A_Ba:805)
135Ba56 + 11 D* --> 109Ag47 + 48Ca20 + 189.579 MeV [34.547 MeV] (A_Ba:806)
135Ba56 + 11 D* --> 116Cd48 + 41K19 + 180.921 MeV [25.888 MeV] (A_Ba:807)
135Ba56 + 11 D* --> 120Sn50 + 37Cl17 + 179.509 MeV [24.477 MeV] (A_Ba:808)
135Ba56 + 11 D* --> 122Sn50 + 35Cl17 + 175.602 MeV [20.569 MeV] (A_Ba:809)
135Ba56 + 11 D* --> 121Sb51 + 36S16 + 176.902 MeV [21.869 MeV] (A_Ba:810)
135Ba56 + 11 D* --> 123Sb51 + 34S16 + 175.798 MeV [20.766 MeV] (A_Ba:811)
135Ba56 + 11 D* --> 126Te52 + 31P15 + 171.148 MeV [16.115 MeV] (A_Ba:812)
135Ba56 + 11 D* --> 127I53 + 30Si14 + 170.058 MeV [15.026 MeV] (A_Ba:813)
135Ba56 + 11 D* --> 130Xe54 + 27Al13 + 163.721 MeV [8.688 MeV] (A_Ba:814)
135Ba56 + 11 D* --> 133Cs55 + 24Mg12 + 158.647 MeV [3.615 MeV] (A_Ba:815)
135Ba56 + 11 D* --> 134Ba56 + 23Na11 + 155.122 MeV [00.090 MeV] (A_Ba:816)
135Ba56 + 11 D* --> 138Ce58 + 19F9 + 145.698 MeV [-9.334 MeV] (A_Ba:817)
135Ba56 + 11 D* --> 141Pr59 + 16O8 + 147.400 MeV [-7.632 MeV] (A_Ba:818)
135Ba56 + 11 D* --> 142Nd60 + 15N7 + 142.496 MeV [-12.536 MeV] (A_Ba:819)
135Ba56 + 11 D* --> 143Nd60 + 14N7 + 137.786 MeV [-17.246 MeV] (A_Ba:820)
135Ba56 + 11 D* --> 147Sm62 + 10B5 + 123.864 MeV [-31.169 MeV] (A_Ba:821)
135Ba56 + 11 D* --> 156Dy66 + 1H1 + 119.883 MeV [-35.149 MeV] (A_Ba:822)

135Ba56 + 12 D* --> 82Se34 + 77Se34 + 221.972 MeV [51.006 MeV] (A_Ba:823)
135Ba56 + 12 D* --> 83Kr36 + 76Ge32 + 222.973 MeV [52.007 MeV] (A_Ba:824)
135Ba56 + 12 D* --> 86Kr36 + 73Ge32 + 224.341 MeV [53.375 MeV] (A_Ba:825)
135Ba56 + 12 D* --> 110Pd46 + 49Ti22 + 206.686 MeV [35.720 MeV] (A_Ba:826)
135Ba56 + 12 D* --> 111Cd48 + 48Ca20 + 203.250 MeV [32.284 MeV] (A_Ba:827)
135Ba56 + 12 D* --> 113Cd48 + 46Ca20 + 201.963 MeV [30.997 MeV] (A_Ba:828)
135Ba56 + 12 D* --> 116Cd48 + 43Ca20 + 196.906 MeV [25.940 MeV] (A_Ba:829)
135Ba56 + 12 D* --> 119Sn50 + 40Ar18 + 194.886 MeV [23.921 MeV] (A_Ba:830)
135Ba56 + 12 D* --> 123Te52 + 36S16 + 189.614 MeV [18.648 MeV] (A_Ba:831)
135Ba56 + 12 D* --> 125Te52 + 34S16 + 188.732 MeV [17.766 MeV] (A_Ba:832)
135Ba56 + 12 D* --> 126Te52 + 33S16 + 186.429 MeV [15.463 MeV] (A_Ba:833)
135Ba56 + 12 D* --> 129Xe54 + 30Si14 + 182.908 MeV [11.943 MeV] (A_Ba:834)
135Ba56 + 12 D* --> 130Xe54 + 29Si14 + 181.555 MeV [10.589 MeV] (A_Ba:835)
135Ba56 + 12 D* --> 131Xe54 + 28Si14 + 179.686 MeV [8.720 MeV] (A_Ba:836)
135Ba56 + 12 D* --> 134Ba56 + 25Mg12 + 171.921 MeV [00.955 MeV] (A_Ba:837)
135Ba56 + 12 D* --> 135Ba56 + 24Mg12 + 171.562 MeV [00.596 MeV] (A_Ba:838)
135Ba56 + 12 D* --> 138Ce58 + 21Ne10 + 163.078 MeV [-7.887 MeV] (A_Ba:839)

135Ba56 + 12 D* --> 142Nd60 + 17O8 + 156.542 MeV [-14.424 MeV] (A_Ba:840)
135Ba56 + 12 D* --> 143Nd60 + 16O8 + 158.523 MeV [-12.443 MeV] (A_Ba:841)
135Ba56 + 12 D* --> 147Sm62 + 12C6 + 149.050 MeV [-21.916 MeV] (A_Ba:842)
135Ba56 + 12 D* --> 156Dy66 + 3He2 + 125.377 MeV [-45.589 MeV] (A_Ba:843)

136Ba56 + D* --> 124Sn50 + 14N7 + 9.622 MeV [-2.862 MeV] (A_Ba:844)
136Ba56 + D* --> 128Te52 + 10B5 + 1.190 MeV [-11.294 MeV] (A_Ba:845)
136Ba56 + D* --> 137Ba56 + 1H1 + 4.681 MeV [-7.803 MeV] (A_Ba:846)
136Ba56 + D* --> 138La57 + 10.773 MeV [-1.710 MeV] (A_Ba:847)

136Ba56 + 2 D* --> 122Sn50 + 18O8 + 28.112 MeV [2.820 MeV] (A_Ba:848)
136Ba56 + 2 D* --> 124Sn50 + 16O8 + 30.358 MeV [5.066 MeV] (A_Ba:849)
136Ba56 + 2 D* --> 128Te52 + 12C6 + 26.377 MeV [1.085 MeV] (A_Ba:850)
136Ba56 + 2 D* --> 131Xe54 + 9Be4 + 14.452 MeV [-10.840 MeV] (A_Ba:851)
136Ba56 + 2 D* --> 133Cs55 + 7Li3 + 10.547 MeV [-14.745 MeV] (A_Ba:852)
136Ba56 + 2 D* --> 136Ba56 + 4He2 + 23.847 MeV [-1.445 MeV] (A_Ba:853)
136Ba56 + 2 D* --> 137Ba56 + 3He2 + 10.175 MeV [-15.117 MeV] (A_Ba:854)
136Ba56 + 2 D* --> 138La57 + 2H1 + 10.773 MeV [-14.518 MeV] (A_Ba:855)
136Ba56 + 2 D* --> 139La57 + 1H1 + 17.327 MeV [-7.965 MeV] (A_Ba:856)
136Ba56 + 2 D* --> 140Ce58 + 25.468 MeV [00.176 MeV] (A_Ba:857)

136Ba56 + 3 D* --> 128Te52 + 14N7 + 36.649 MeV [-1.772 MeV] (A_Ba:858)
136Ba56 + 3 D* --> 131Xe54 + 11B5 + 30.268 MeV [-8.154 MeV] (A_Ba:859)
136Ba56 + 3 D* --> 132Xe54 + 10B5 + 27.750 MeV [-10.671 MeV] (A_Ba:860)
136Ba56 + 3 D* --> 133Cs55 + 9Be4 + 27.244 MeV [-11.178 MeV] (A_Ba:861)
136Ba56 + 3 D* --> 135Ba56 + 7Li3 + 23.463 MeV [-14.959 MeV] (A_Ba:862)
136Ba56 + 3 D* --> 136Ba56 + 6Li3 + 25.320 MeV [-13.101 MeV] (A_Ba:863)
136Ba56 + 3 D* --> 138La57 + 4He2 + 34.620 MeV [-3.801 MeV] (A_Ba:864)
136Ba56 + 3 D* --> 139La57 + 3He2 + 22.820 MeV [-15.601 MeV] (A_Ba:865)
136Ba56 + 3 D* --> 140Ce58 + 2H1 + 25.468 MeV [-12.954 MeV] (A_Ba:866)

136Ba56 + 4 D* --> 96Zr40 + 48Ca20 + 93.313 MeV [41.444 MeV] (A_Ba:867)
136Ba56 + 4 D* --> 122Sn50 + 22Ne10 + 61.627 MeV [9.757 MeV] (A_Ba:868)
136Ba56 + 4 D* --> 124Sn50 + 20Ne10 + 58.935 MeV [7.065 MeV] (A_Ba:869)
136Ba56 + 4 D* --> 126Te52 + 18O8 + 54.502 MeV [2.633 MeV] (A_Ba:870)
136Ba56 + 4 D* --> 128Te52 + 16O8 + 57.385 MeV [5.516 MeV] (A_Ba:871)
136Ba56 + 4 D* --> 131Xe54 + 13C6 + 48.946 MeV [-2.923 MeV] (A_Ba:872)
136Ba56 + 4 D* --> 132Xe54 + 12C6 + 52.936 MeV [1.067 MeV] (A_Ba:873)
136Ba56 + 4 D* --> 133Cs55 + 11B5 + 43.059 MeV [-8.810 MeV] (A_Ba:874)
136Ba56 + 4 D* --> 135Ba56 + 9Be4 + 40.159 MeV [-11.710 MeV] (A_Ba:875)
136Ba56 + 4 D* --> 138La57 + 6Li3 + 36.094 MeV [-15.775 MeV] (A_Ba:876)
136Ba56 + 4 D* --> 140Ce58 + 4He2 + 49.314 MeV [-2.555 MeV] (A_Ba:877)
136Ba56 + 4 D* --> 144Nd60 + 47.409 MeV [-4.460 MeV] (A_Ba:878)

136Ba56 + 5 D* --> 131Xe54 + 15N7 + 65.105 MeV [-0.528 MeV] (A_Ba:879)
136Ba56 + 5 D* --> 132Xe54 + 14N7 + 63.209 MeV [-2.424 MeV] (A_Ba:880)
136Ba56 + 5 D* --> 133Cs55 + 13C6 + 61.738 MeV [-3.895 MeV] (A_Ba:881)
136Ba56 + 5 D* --> 135Ba56 + 11B5 + 55.974 MeV [-9.659 MeV] (A_Ba:882)
136Ba56 + 5 D* --> 136Ba56 + 10B5 + 53.628 MeV [-12.005 MeV] (A_Ba:883)
136Ba56 + 5 D* --> 140Ce58 + 6Li3 + 50.788 MeV [-14.845 MeV] (A_Ba:884)
136Ba56 + 5 D* --> 144Nd60 + 2H1 + 47.409 MeV [-18.224 MeV] (A_Ba:885)
136Ba56 + 5 D* --> 145Nd60 + 1H1 + 50.940 MeV [-14.693 MeV] (A_Ba:886)

136Ba56 + 6 D* --> 100Mo42 + 48Ca20 + 120.326 MeV [40.616 MeV] (A_Ba:887)

136Ba56 + 6 D* --> 122Sn50 + 26Mg12 + 96.088 MeV [16.378 MeV] (A_Ba:888)
136Ba56 + 6 D* --> 124Sn50 + 24Mg12 + 92.098 MeV [12.388 MeV] (A_Ba:889)
136Ba56 + 6 D* --> 126Te52 + 22Ne10 + 88.017 MeV [8.307 MeV] (A_Ba:890)
136Ba56 + 6 D* --> 128Te52 + 20Ne10 + 85.961 MeV [6.251 MeV] (A_Ba:891)
136Ba56 + 6 D* --> 130Xe54 + 18O8 + 80.591 MeV [00.881 MeV] (A_Ba:892)
136Ba56 + 6 D* --> 131Xe54 + 17O8 + 79.151 MeV [-0.559 MeV] (A_Ba:893)
136Ba56 + 6 D* --> 132Xe54 + 16O8 + 83.945 MeV [4.235 MeV] (A_Ba:894)
136Ba56 + 6 D* --> 133Cs55 + 15N7 + 77.897 MeV [-1.813 MeV] (A_Ba:895)
136Ba56 + 6 D* --> 135Ba56 + 13C6 + 74.653 MeV [-5.057 MeV] (A_Ba:896)
136Ba56 + 6 D* --> 136Ba56 + 12C6 + 78.814 MeV [-0.896 MeV] (A_Ba:897)
136Ba56 + 6 D* --> 138La57 + 10B5 + 64.401 MeV [-15.309 MeV] (A_Ba:898)
136Ba56 + 6 D* --> 141Pr59 + 7Li3 + 61.040 MeV [-18.670 MeV] (A_Ba:899)
136Ba56 + 6 D* --> 144Nd60 + 4He2 + 71.256 MeV [-8.454 MeV] (A_Ba:900)
136Ba56 + 6 D* --> 145Nd60 + 3He2 + 56.433 MeV [-23.277 MeV] (A_Ba:901)
136Ba56 + 6 D* --> 148Sm62 + 69.270 MeV [-10.440 MeV] (A_Ba:902)

136Ba56 + 7 D* --> 131Xe54 + 19F9 + 92.966 MeV [-1.132 MeV] (A_Ba:903)
136Ba56 + 7 D* --> 133Cs55 + 17O8 + 91.943 MeV [-2.155 MeV] (A_Ba:904)
136Ba56 + 7 D* --> 135Ba56 + 15N7 + 90.812 MeV [-3.285 MeV] (A_Ba:905)
136Ba56 + 7 D* --> 136Ba56 + 14N7 + 89.087 MeV [-5.011 MeV] (A_Ba:906)
136Ba56 + 7 D* --> 138La57 + 12C6 + 89.588 MeV [-4.510 MeV] (A_Ba:907)
136Ba56 + 7 D* --> 140Ce58 + 10B5 + 79.096 MeV [-15.002 MeV] (A_Ba:908)
136Ba56 + 7 D* --> 141Pr59 + 9Be4 + 77.736 MeV [-16.361 MeV] (A_Ba:909)
136Ba56 + 7 D* --> 143Nd60 + 7Li3 + 72.162 MeV [-21.935 MeV] (A_Ba:910)
136Ba56 + 7 D* --> 144Nd60 + 6Li3 + 72.729 MeV [-21.368 MeV] (A_Ba:911)
136Ba56 + 7 D* --> 148Sm62 + 2H1 + 69.270 MeV [-24.828 MeV] (A_Ba:912)
136Ba56 + 7 D* --> 149Sm62 + 1H1 + 72.916 MeV [-21.182 MeV] (A_Ba:913)

136Ba56 + 8 D* --> 76Ge32 + 76Ge32 + 162.625 MeV [53.832 MeV] (A_Ba:914)
136Ba56 + 8 D* --> 82Se34 + 70Zn30 + 163.357 MeV [54.564 MeV] (A_Ba:915)
136Ba56 + 8 D* --> 104Ru44 + 48Ca20 + 148.502 MeV [39.709 MeV] (A_Ba:916)
136Ba56 + 8 D* --> 116Cd48 + 36S16 + 135.582 MeV [26.789 MeV] (A_Ba:917)
136Ba56 + 8 D* --> 122Sn50 + 30Si14 + 130.578 MeV [21.785 MeV] (A_Ba:918)
136Ba56 + 8 D* --> 124Sn50 + 28Si14 + 125.928 MeV [17.135 MeV] (A_Ba:919)
136Ba56 + 8 D* --> 126Te52 + 26Mg12 + 122.478 MeV [13.685 MeV] (A_Ba:920)
136Ba56 + 8 D* --> 128Te52 + 24Mg12 + 119.124 MeV [10.331 MeV] (A_Ba:921)
136Ba56 + 8 D* --> 130Xe54 + 22Ne10 + 114.105 MeV [5.312 MeV] (A_Ba:922)
136Ba56 + 8 D* --> 131Xe54 + 21Ne10 + 110.346 MeV [1.553 MeV] (A_Ba:923)
136Ba56 + 8 D* --> 132Xe54 + 20Ne10 + 112.521 MeV [3.728 MeV] (A_Ba:924)
136Ba56 + 8 D* --> 133Cs55 + 19F9 + 105.757 MeV [-3.036 MeV] (A_Ba:925)
136Ba56 + 8 D* --> 134Ba56 + 18O8 + 105.930 MeV [-2.863 MeV] (A_Ba:926)
136Ba56 + 8 D* --> 135Ba56 + 17O8 + 104.858 MeV [-3.935 MeV] (A_Ba:927)
136Ba56 + 8 D* --> 136Ba56 + 16O8 + 109.823 MeV [1.030 MeV] (A_Ba:928)
136Ba56 + 8 D* --> 138La57 + 14N7 + 99.860 MeV [-8.933 MeV] (A_Ba:929)
136Ba56 + 8 D* --> 140Ce58 + 12C6 + 104.282 MeV [-4.511 MeV] (A_Ba:930)
136Ba56 + 8 D* --> 141Pr59 + 11B5 + 93.552 MeV [-15.241 MeV] (A_Ba:931)
136Ba56 + 8 D* --> 143Nd60 + 9Be4 + 88.859 MeV [-19.935 MeV] (A_Ba:932)
136Ba56 + 8 D* --> 148Sm62 + 4He2 + 93.116 MeV [-15.677 MeV] (A_Ba:933)
136Ba56 + 8 D* --> 149Sm62 + 3He2 + 78.410 MeV [-30.384 MeV] (A_Ba:934)
136Ba56 + 8 D* --> 151Eu63 + 1H1 + 83.569 MeV [-25.224 MeV] (A_Ba:935)
136Ba56 + 8 D* --> 152Gd64 + 90.913 MeV [-17.880 MeV] (A_Ba:936)

136Ba56 + 9 D* --> 131Xe54 + 23Na11 + 127.280 MeV [3.485 MeV] (A_Ba:937)
136Ba56 + 9 D* --> 133Cs55 + 21Ne10 + 123.137 MeV [-0.657 MeV] (A_Ba:938)

136Ba56 + 9 D* --> 135Ba56 + 19F9 + 118.672 MeV [-5.122 MeV] (A_Ba:939)
136Ba56 + 9 D* --> 138La57 + 16O8 + 120.596 MeV [-3.198 MeV] (A_Ba:940)
136Ba56 + 9 D* --> 140Ce58 + 14N7 + 114.554 MeV [-9.240 MeV] (A_Ba:941)
136Ba56 + 9 D* --> 141Pr59 + 13C6 + 112.230 MeV [-11.564 MeV] (A_Ba:942)
136Ba56 + 9 D* --> 143Nd60 + 11B5 + 104.674 MeV [-19.120 MeV] (A_Ba:943)
136Ba56 + 9 D* --> 144Nd60 + 10B5 + 101.037 MeV [-22.758 MeV] (A_Ba:944)
136Ba56 + 9 D* --> 147Sm62 + 7Li3 + 93.698 MeV [-30.096 MeV] (A_Ba:945)
136Ba56 + 9 D* --> 148Sm62 + 6Li3 + 94.590 MeV [-29.205 MeV] (A_Ba:946)
136Ba56 + 9 D* --> 151Eu63 + 3He2 + 89.062 MeV [-34.732 MeV] (A_Ba:947)
136Ba56 + 9 D* --> 152Gd64 + 2H1 + 90.913 MeV [-32.881 MeV] (A_Ba:948)

136Ba56 + 10 D* --> 80Se34 + 76Ge32 + 193.443 MeV [54.344 MeV] (A_Ba:949)
136Ba56 + 10 D* --> 82Se34 + 74Ge32 + 193.487 MeV [54.388 MeV] (A_Ba:950)
136Ba56 + 10 D* --> 86Kr36 + 70Zn30 + 195.301 MeV [56.201 MeV] (A_Ba:951)
136Ba56 + 10 D* --> 108Pd46 + 48Ca20 + 176.209 MeV [37.110 MeV] (A_Ba:952)
136Ba56 + 10 D* --> 110Pd46 + 46Ca20 + 173.955 MeV [34.855 MeV] (A_Ba:953)
136Ba56 + 10 D* --> 116Cd48 + 40Ar18 + 166.230 MeV [27.130 MeV] (A_Ba:954)
136Ba56 + 10 D* --> 120Sn50 + 36S16 + 164.239 MeV [25.140 MeV] (A_Ba:955)
136Ba56 + 10 D* --> 122Sn50 + 34S16 + 162.348 MeV [23.249 MeV] (A_Ba:956)
136Ba56 + 10 D* --> 124Sn50 + 32S16 + 156.723 MeV [17.624 MeV] (A_Ba:957)
136Ba56 + 10 D* --> 126Te52 + 30Si14 + 156.968 MeV [17.869 MeV] (A_Ba:958)
136Ba56 + 10 D* --> 128Te52 + 28Si14 + 152.955 MeV [13.856 MeV] (A_Ba:959)
136Ba56 + 10 D* --> 130Xe54 + 26Mg12 + 148.567 MeV [9.467 MeV] (A_Ba:960)
136Ba56 + 10 D* --> 131Xe54 + 25Mg12 + 144.078 MeV [4.979 MeV] (A_Ba:961)
136Ba56 + 10 D* --> 132Xe54 + 24Mg12 + 145.684 MeV [6.585 MeV] (A_Ba:962)
136Ba56 + 10 D* --> 133Cs55 + 23Na11 + 140.071 MeV [00.972 MeV] (A_Ba:963)
136Ba56 + 10 D* --> 134Ba56 + 22Ne10 + 139.445 MeV [00.346 MeV] (A_Ba:964)
136Ba56 + 10 D* --> 135Ba56 + 21Ne10 + 136.053 MeV [-3.047 MeV] (A_Ba:965)
136Ba56 + 10 D* --> 136Ba56 + 20Ne10 + 138.399 MeV [-0.700 MeV] (A_Ba:966)
136Ba56 + 10 D* --> 138Ce58 + 18O8 + 130.820 MeV [-8.279 MeV] (A_Ba:967)
136Ba56 + 10 D* --> 140Ce58 + 16O8 + 135.291 MeV [-3.809 MeV] (A_Ba:968)
136Ba56 + 10 D* --> 141Pr59 + 15N7 + 128.390 MeV [-10.709 MeV] (A_Ba:969)
136Ba56 + 10 D* --> 143Nd60 + 13C6 + 123.353 MeV [-15.746 MeV] (A_Ba:970)
136Ba56 + 10 D* --> 144Nd60 + 12C6 + 126.223 MeV [-12.876 MeV] (A_Ba:971)
136Ba56 + 10 D* --> 147Sm62 + 9Be4 + 110.395 MeV [-28.704 MeV] (A_Ba:972)
136Ba56 + 10 D* --> 152Gd64 + 4He2 + 114.760 MeV [-24.340 MeV] (A_Ba:973)
136Ba56 + 10 D* --> 156Dy66 + 113.000 MeV [-26.099 MeV] (A_Ba:974)

136Ba56 + 11 D* --> 131Xe54 + 27Al13 + 161.218 MeV [6.513 MeV] (A_Ba:975)
136Ba56 + 11 D* --> 133Cs55 + 25Mg12 + 156.870 MeV [2.165 MeV] (A_Ba:976)
136Ba56 + 11 D* --> 135Ba56 + 23Na11 + 152.986 MeV [-1.718 MeV] (A_Ba:977)
136Ba56 + 11 D* --> 138La57 + 20Ne10 + 149.173 MeV [-5.532 MeV] (A_Ba:978)
136Ba56 + 11 D* --> 141Pr59 + 17O8 + 142.436 MeV [-12.269 MeV] (A_Ba:979)
136Ba56 + 11 D* --> 143Nd60 + 15N7 + 139.512 MeV [-15.193 MeV] (A_Ba:980)
136Ba56 + 11 D* --> 144Nd60 + 14N7 + 136.496 MeV [-18.209 MeV] (A_Ba:981)
136Ba56 + 11 D* --> 147Sm62 + 11B5 + 126.210 MeV [-28.495 MeV] (A_Ba:982)
136Ba56 + 11 D* --> 148Sm62 + 10B5 + 122.897 MeV [-31.807 MeV] (A_Ba:983)
136Ba56 + 11 D* --> 152Gd64 + 6Li3 + 116.233 MeV [-38.471 MeV] (A_Ba:984)
136Ba56 + 11 D* --> 156Dy66 + 2H1 + 113.000 MeV [-41.705 MeV] (A_Ba:985)

136Ba56 + 12 D* --> 80Se34 + 80Se34 + 224.262 MeV [53.653 MeV] (A_Ba:986)
136Ba56 + 12 D* --> 82Se34 + 78Se34 + 223.362 MeV [52.753 MeV] (A_Ba:987)
136Ba56 + 12 D* --> 84Kr36 + 76Ge32 + 224.386 MeV [53.777 MeV] (A_Ba:988)
136Ba56 + 12 D* --> 86Kr36 + 74Ge32 + 225.430 MeV [54.821 MeV] (A_Ba:989)

136Ba56 + 12 D* --> 96Zr40 + 64Ni28 + 221.284 MeV [50.675 MeV] (A_Ba:990)
136Ba56 + 12 D* --> 110Pd46 + 50Ti22 + 208.518 MeV [37.909 MeV] (A_Ba:991)
136Ba56 + 12 D* --> 112Cd48 + 48Ca20 + 203.536 MeV [32.927 MeV] (A_Ba:992)
136Ba56 + 12 D* --> 114Cd48 + 46Ca20 + 201.898 MeV [31.289 MeV] (A_Ba:993)
136Ba56 + 12 D* --> 116Cd48 + 44Ca20 + 198.930 MeV [28.321 MeV] (A_Ba:994)
136Ba56 + 12 D* --> 120Sn50 + 40Ar18 + 194.887 MeV [24.278 MeV] (A_Ba:995)
136Ba56 + 12 D* --> 122Sn50 + 38Ar18 + 193.402 MeV [22.793 MeV] (A_Ba:996)
136Ba56 + 12 D* --> 124Sn50 + 36Ar18 + 187.210 MeV [16.601 MeV] (A_Ba:997)
136Ba56 + 12 D* --> 123Sb51 + 37Cl17 + 189.727 MeV [19.118 MeV] (A_Ba:998)
136Ba56 + 12 D* --> 124Te52 + 36S16 + 189.930 MeV [19.321 MeV] (A_Ba:999)
136Ba56 + 12 D* --> 126Te52 + 34S16 + 188.738 MeV [18.129 MeV]
(A_Ba:1000)
136Ba56 + 12 D* --> 128Te52 + 32S16 + 183.750 MeV [13.141 MeV]
(A_Ba:1001)
136Ba56 + 12 D* --> 130Xe54 + 30Si14 + 183.056 MeV [12.447 MeV]
(A_Ba:1002)
136Ba56 + 12 D* --> 131Xe54 + 29Si14 + 179.052 MeV [8.443 MeV]
(A_Ba:1003)
136Ba56 + 12 D* --> 132Xe54 + 28Si14 + 179.515 MeV [8.906 MeV]
(A_Ba:1004)
136Ba56 + 12 D* --> 133Cs55 + 27Al13 + 174.009 MeV [3.400 MeV]
(A_Ba:1005)
136Ba56 + 12 D* --> 134Ba56 + 26Mg12 + 173.906 MeV [3.297 MeV]
(A_Ba:1006)
136Ba56 + 12 D* --> 135Ba56 + 25Mg12 + 169.785 MeV [-0.824 MeV]
(A_Ba:1007)
136Ba56 + 12 D* --> 136Ba56 + 24Mg12 + 171.562 MeV [00.953 MeV]
(A_Ba:1008)
136Ba56 + 12 D* --> 138Ce58 + 22Ne10 + 164.335 MeV [-6.274 MeV]
(A_Ba:1009)
136Ba56 + 12 D* --> 140Ce58 + 20Ne10 + 163.867 MeV [-6.742 MeV]
(A_Ba:1010)
136Ba56 + 12 D* --> 141Pr59 + 19F9 + 156.250 MeV [-14.359 MeV]
(A_Ba:1011)
136Ba56 + 12 D* --> 142Nd60 + 18O8 + 155.478 MeV [-15.131 MeV]
(A_Ba:1012)
136Ba56 + 12 D* --> 143Nd60 + 17O8 + 153.558 MeV [-17.051 MeV]
(A_Ba:1013)
136Ba56 + 12 D* --> 144Nd60 + 16O8 + 157.232 MeV [-13.377 MeV]
(A_Ba:1014)
136Ba56 + 12 D* --> 147Sm62 + 13C6 + 144.889 MeV [-25.720 MeV]
(A_Ba:1015)
136Ba56 + 12 D* --> 148Sm62 + 12C6 + 148.084 MeV [-22.525 MeV]
(A_Ba:1016)
136Ba56 + 12 D* --> 156Dy66 + 4He2 + 136.847 MeV [-33.762 MeV]
(A_Ba:1017)

137Ba56 + D* --> 124Sn50 + 15N7 + 13.550 MeV [1.096 MeV]
(A_Ba:1018)
137Ba56 + D* --> 128Te52 + 11B5 + 5.739 MeV [-6.715 MeV]
(A_Ba:1019)
137Ba56 + D* --> 138Ba56 + 1H1 + 6.387 MeV [-6.067 MeV]
(A_Ba:1020)
137Ba56 + D* --> 139La57 + 12.646 MeV [00.192 MeV]

(A_Ba:1021)

137Ba56 + 2 D* --> 124Sn50 + 17O8 + 27.596 MeV [2.364 MeV]
(A_Ba:1022)
137Ba56 + 2 D* --> 128Te52 + 13C6 + 24.417 MeV [-0.815 MeV]
(A_Ba:1023)
137Ba56 + 2 D* --> 132Xe54 + 9Be4 + 16.483 MeV [-8.749 MeV]
(A_Ba:1024)
137Ba56 + 2 D* --> 137Ba56 + 4He2 + 23.847 MeV [-1.385 MeV]
(A_Ba:1025)
137Ba56 + 2 D* --> 138Ba56 + 3He2 + 11.881 MeV [-13.351 MeV]
(A_Ba:1026)
137Ba56 + 2 D* --> 139La57 + 2H1 + 12.646 MeV [-12.586 MeV]
(A_Ba:1027)

137Ba56 + 3 D* --> 124Sn50 + 19F9 + 41.410 MeV [3.079 MeV]
(A_Ba:1028)
137Ba56 + 3 D* --> 128Te52 + 15N7 + 40.577 MeV [2.245 MeV]
(A_Ba:1029)
137Ba56 + 3 D* --> 132Xe54 + 11B5 + 32.298 MeV [-6.033 MeV]
(A_Ba:1030)
137Ba56 + 3 D* --> 136Ba56 + 7Li3 + 25.665 MeV [-12.667 MeV]
(A_Ba:1031)
137Ba56 + 3 D* --> 137Ba56 + 6Li3 + 25.320 MeV [-13.011 MeV]
(A_Ba:1032)
137Ba56 + 3 D* --> 139La57 + 4He2 + 36.492 MeV [-1.839 MeV]
(A_Ba:1033)
137Ba56 + 3 D* --> 142Ce58 + 1H1 + 28.935 MeV [-9.396 MeV]
(A_Ba:1034)

137Ba56 + 4 D* --> 124Sn50 + 21Ne10 + 58.790 MeV [7.040 MeV]
(A_Ba:1035)
137Ba56 + 4 D* --> 128Te52 + 17O8 + 54.623 MeV [2.873 MeV]
(A_Ba:1036)
137Ba56 + 4 D* --> 132Xe54 + 13C6 + 50.977 MeV [-0.773 MeV]
(A_Ba:1037)
137Ba56 + 4 D* --> 136Ba56 + 9Be4 + 42.361 MeV [-9.389 MeV]
(A_Ba:1038)
137Ba56 + 4 D* --> 138La57 + 7Li3 + 36.438 MeV [-15.312 MeV]
(A_Ba:1039)
137Ba56 + 4 D* --> 139La57 + 6Li3 + 37.966 MeV [-13.784 MeV]
(A_Ba:1040)
137Ba56 + 4 D* --> 142Ce58 + 3He2 + 34.429 MeV [-17.321 MeV]
(A_Ba:1041)
137Ba56 + 4 D* --> 145Nd60 + 46.259 MeV [-5.491 MeV]
(A_Ba:1042)

137Ba56 + 5 D* --> 124Sn50 + 23Na11 + 75.724 MeV [10.240 MeV]
(A_Ba:1043)
137Ba56 + 5 D* --> 128Te52 + 19F9 + 68.437 MeV [2.953 MeV]
(A_Ba:1044)
137Ba56 + 5 D* --> 132Xe54 + 15N7 + 67.136 MeV [1.653 MeV]
(A_Ba:1045)
137Ba56 + 5 D* --> 136Ba56 + 11B5 + 58.176 MeV [-7.308 MeV]

(A_Ba:1046)
137Ba56 + 5 D* --> 137Ba56 + 10B5 + 53.628 MeV [-11.856 MeV]
(A_Ba:1047)
137Ba56 + 5 D* --> 138La57 + 9Be4 + 53.134 MeV [-12.349 MeV]
(A_Ba:1048)
137Ba56 + 5 D* --> 140Ce58 + 7Li3 + 51.133 MeV [-14.351 MeV]
(A_Ba:1049)
137Ba56 + 5 D* --> 145Nd60 + 2H1 + 46.259 MeV [-19.225 MeV]
(A_Ba:1050)
137Ba56 + 5 D* --> 146Nd60 + 1H1 + 51.599 MeV [-13.884 MeV]
(A_Ba:1051)

137Ba56 + 6 D* --> 124Sn50 + 25Mg12 + 92.523 MeV [12.991 MeV]
(A_Ba:1052)
137Ba56 + 6 D* --> 128Te52 + 21Ne10 + 85.817 MeV [6.286 MeV]
(A_Ba:1053)
137Ba56 + 6 D* --> 131Xe54 + 18O8 + 80.290 MeV [00.759 MeV]
(A_Ba:1054)
137Ba56 + 6 D* --> 132Xe54 + 17O8 + 81.182 MeV [1.651 MeV]
(A_Ba:1055)
137Ba56 + 6 D* --> 136Ba56 + 13C6 + 76.855 MeV [-2.676 MeV]
(A_Ba:1056)
137Ba56 + 6 D* --> 137Ba56 + 12C6 + 78.814 MeV [-0.717 MeV]
(A_Ba:1057)
137Ba56 + 6 D* --> 138La57 + 11B5 + 68.950 MeV [-10.581 MeV]
(A_Ba:1058)
137Ba56 + 6 D* --> 139La57 + 10B5 + 66.274 MeV [-13.258 MeV]
(A_Ba:1059)
137Ba56 + 6 D* --> 140Ce58 + 9Be4 + 67.829 MeV [-11.703 MeV]
(A_Ba:1060)
137Ba56 + 6 D* --> 145Nd60 + 4He2 + 70.105 MeV [-9.426 MeV]
(A_Ba:1061)
137Ba56 + 6 D* --> 146Nd60 + 3He2 + 57.093 MeV [-22.438 MeV]
(A_Ba:1062)
137Ba56 + 6 D* --> 149Sm62 + 68.235 MeV [-11.296 MeV]
(A_Ba:1063)

137Ba56 + 7 D* --> 124Sn50 + 27Al13 + 109.662 MeV [15.773 MeV]
(A_Ba:1064)
137Ba56 + 7 D* --> 128Te52 + 23Na11 + 102.751 MeV [8.861 MeV]
(A_Ba:1065)
137Ba56 + 7 D* --> 132Xe54 + 19F9 + 94.997 MeV [1.107 MeV]
(A_Ba:1066)
137Ba56 + 7 D* --> 133Cs55 + 18O8 + 93.081 MeV [-0.808 MeV]
(A_Ba:1067)
137Ba56 + 7 D* --> 136Ba56 + 15N7 + 93.014 MeV [-0.875 MeV]
(A_Ba:1068)
137Ba56 + 7 D* --> 137Ba56 + 14N7 + 89.087 MeV [-4.803 MeV]
(A_Ba:1069)
137Ba56 + 7 D* --> 138La57 + 13C6 + 87.628 MeV [-6.261 MeV]
(A_Ba:1070)
137Ba56 + 7 D* --> 139La57 + 12C6 + 91.460 MeV [-2.429 MeV]
(A_Ba:1071)
137Ba56 + 7 D* --> 140Ce58 + 11B5 + 83.644 MeV [-10.245 MeV]

(A_Ba:1072)
137Ba56 + 7 D* --> 144Nd60 + 7Li3 + 73.074 MeV [-20.816 MeV]
(A_Ba:1073)
137Ba56 + 7 D* --> 145Nd60 + 6Li3 + 71.579 MeV [-22.310 MeV]
(A_Ba:1074)
137Ba56 + 7 D* --> 149Sm62 + 2H1 + 68.235 MeV [-25.654 MeV]
(A_Ba:1075)
137Ba56 + 7 D* --> 150Sm62 + 1H1 + 73.997 MeV [-19.892 MeV]
(A_Ba:1076)
137Ba56 + 7 D* --> 151Eu63 + 78.888 MeV [-15.001 MeV]
(A_Ba:1077)

137Ba56 + 8 D* --> 124Sn50 + 29Si14 + 127.496 MeV [18.941 MeV]
(A_Ba:1078)
137Ba56 + 8 D* --> 128Te52 + 25Mg12 + 119.549 MeV [10.994 MeV]
(A_Ba:1079)
137Ba56 + 8 D* --> 131Xe54 + 22Ne10 + 113.804 MeV [5.249 MeV]
(A_Ba:1080)
137Ba56 + 8 D* --> 132Xe54 + 21Ne10 + 112.377 MeV [3.821 MeV]
(A_Ba:1081)
137Ba56 + 8 D* --> 135Ba56 + 18O8 + 105.997 MeV [-2.559 MeV]
(A_Ba:1082)
137Ba56 + 8 D* --> 136Ba56 + 17O8 + 107.060 MeV [-1.495 MeV]
(A_Ba:1083)
137Ba56 + 8 D* --> 137Ba56 + 16O8 + 109.823 MeV [1.267 MeV]
(A_Ba:1084)
137Ba56 + 8 D* --> 138La57 + 15N7 + 103.788 MeV [-4.768 MeV]
(A_Ba:1085)
137Ba56 + 8 D* --> 139La57 + 14N7 + 101.733 MeV [-6.823 MeV]
(A_Ba:1086)
137Ba56 + 8 D* --> 140Ce58 + 13C6 + 102.323 MeV [-6.233 MeV]
(A_Ba:1087)
137Ba56 + 8 D* --> 144Nd60 + 9Be4 + 89.770 MeV [-18.786 MeV]
(A_Ba:1088)
137Ba56 + 8 D* --> 149Sm62 + 4He2 + 92.082 MeV [-16.474 MeV]
(A_Ba:1089)
137Ba56 + 8 D* --> 150Sm62 + 3He2 + 79.491 MeV [-29.065 MeV]
(A_Ba:1090)
137Ba56 + 8 D* --> 151Eu63 + 2H1 + 78.888 MeV [-29.668 MeV]
(A_Ba:1091)

137Ba56 + 9 D* --> 124Sn50 + 31P15 + 143.178 MeV [19.650 MeV]
(A_Ba:1092)
137Ba56 + 9 D* --> 128Te52 + 27Al13 + 136.689 MeV [13.161 MeV]
(A_Ba:1093)
137Ba56 + 9 D* --> 132Xe54 + 23Na11 + 129.311 MeV [5.783 MeV]
(A_Ba:1094)
137Ba56 + 9 D* --> 133Cs55 + 22Ne10 + 126.596 MeV [3.068 MeV]
(A_Ba:1095)
137Ba56 + 9 D* --> 136Ba56 + 19F9 + 120.875 MeV [-2.653 MeV]
(A_Ba:1096)
137Ba56 + 9 D* --> 138La57 + 17O8 + 117.834 MeV [-5.694 MeV]
(A_Ba:1097)
137Ba56 + 9 D* --> 139La57 + 16O8 + 122.469 MeV [-1.059 MeV]

(A_Ba:1098)
137Ba56 + 9 D* --> 140Ce58 + 15N7 + 118.482 MeV [-5.046 MeV]
(A_Ba:1099)
137Ba56 + 9 D* --> 144Nd60 + 11B5 + 105.586 MeV [-17.942 MeV]
(A_Ba:1100)
137Ba56 + 9 D* --> 145Nd60 + 10B5 + 99.887 MeV [-23.641 MeV]
(A_Ba:1101)
137Ba56 + 9 D* --> 148Sm62 + 7Li3 + 94.934 MeV [-28.593 MeV]
(A_Ba:1102)
137Ba56 + 9 D* --> 149Sm62 + 6Li3 + 93.555 MeV [-29.972 MeV]
(A_Ba:1103)
137Ba56 + 9 D* --> 151Eu63 + 4He2 + 102.734 MeV [-20.793 MeV]
(A_Ba:1104)
137Ba56 + 9 D* --> 154Gd64 + 1H1 + 96.925 MeV [-26.603 MeV]
(A_Ba:1105)

137Ba56 + 10 D* --> 124Sn50 + 33S16 + 158.459 MeV [19.656 MeV]
(A_Ba:1106)
137Ba56 + 10 D* --> 128Te52 + 29Si14 + 154.523 MeV [15.720 MeV]
(A_Ba:1107)
137Ba56 + 10 D* --> 131Xe54 + 26Mg12 + 148.266 MeV [9.463 MeV]
(A_Ba:1108)
137Ba56 + 10 D* --> 132Xe54 + 25Mg12 + 146.109 MeV [7.306 MeV]
(A_Ba:1109)
137Ba56 + 10 D* --> 135Ba56 + 22Ne10 + 139.511 MeV [00.708 MeV]
(A_Ba:1110)
137Ba56 + 10 D* --> 136Ba56 + 21Ne10 + 138.255 MeV [-0.548 MeV]
(A_Ba:1111)
137Ba56 + 10 D* --> 137Ba56 + 20Ne10 + 138.399 MeV [-0.404 MeV]
(A_Ba:1112)
137Ba56 + 10 D* --> 138La57 + 19F9 + 131.648 MeV [-7.155 MeV]
(A_Ba:1113)
137Ba56 + 10 D* --> 140Ce58 + 17O8 + 132.528 MeV [-6.275 MeV]
(A_Ba:1114)
137Ba56 + 10 D* --> 144Nd60 + 13C6 + 124.264 MeV [-14.539 MeV]
(A_Ba:1115)
137Ba56 + 10 D* --> 145Nd60 + 12C6 + 125.073 MeV [-13.730 MeV]
(A_Ba:1116)
137Ba56 + 10 D* --> 148Sm62 + 9Be4 + 111.631 MeV [-27.173 MeV]
(A_Ba:1117)
137Ba56 + 10 D* --> 151Eu63 + 6Li3 + 104.208 MeV [-34.595 MeV]
(A_Ba:1118)
137Ba56 + 10 D* --> 154Gd64 + 3He2 + 102.418 MeV [-36.385 MeV]
(A_Ba:1119)

137Ba56 + 11 D* --> 122Sn50 + 37Cl17 + 178.479 MeV [24.100 MeV]
(A_Ba:1120)
137Ba56 + 11 D* --> 124Sn50 + 35Cl17 + 174.022 MeV [19.642 MeV]
(A_Ba:1121)
137Ba56 + 11 D* --> 123Sb51 + 36S16 + 176.660 MeV [22.280 MeV]
(A_Ba:1122)
137Ba56 + 11 D* --> 128Te52 + 31P15 + 170.205 MeV [15.825 MeV]
(A_Ba:1123)
137Ba56 + 11 D* --> 132Xe54 + 27Al13 + 163.249 MeV [8.869 MeV]

(A_Ba:1124)
137Ba56 + 11 D* --> 133Cs55 + 26Mg12 + 161.057 MeV [6.678 MeV]
(A_Ba:1125)
137Ba56 + 11 D* --> 136Ba56 + 23Na11 + 155.189 MeV [00.809 MeV]
(A_Ba:1126)
137Ba56 + 11 D* --> 138La57 + 21Ne10 + 149.028 MeV [-5.351 MeV]
(A_Ba:1127)
137Ba56 + 11 D* --> 139La57 + 20Ne10 + 151.045 MeV [-3.335 MeV]
(A_Ba:1128)
137Ba56 + 11 D* --> 140Ce58 + 19F9 + 146.342 MeV [-8.037 MeV]
(A_Ba:1129)
137Ba56 + 11 D* --> 141Pr59 + 18O8 + 143.574 MeV [-10.806 MeV]
(A_Ba:1130)
137Ba56 + 11 D* --> 144Nd60 + 15N7 + 140.423 MeV [-13.956 MeV]
(A_Ba:1131)
137Ba56 + 11 D* --> 145Nd60 + 14N7 + 135.345 MeV [-19.034 MeV]
(A_Ba:1132)
137Ba56 + 11 D* --> 148Sm62 + 11B5 + 127.446 MeV [-26.934 MeV]
(A_Ba:1133)
137Ba56 + 11 D* --> 149Sm62 + 10B5 + 121.863 MeV [-32.517 MeV]
(A_Ba:1134)
137Ba56 + 11 D* --> 152Gd64 + 7Li3 + 116.578 MeV [-37.802 MeV]
(A_Ba:1135)
137Ba56 + 11 D* --> 158Dy66 + 1H1 + 119.895 MeV [-34.485 MeV]
(A_Ba:1136)

137Ba56 + 12 D* --> 113Cd48 + 48Ca20 + 203.171 MeV [32.916 MeV]
(A_Ba:1137)
137Ba56 + 12 D* --> 125Te52 + 36S16 + 189.594 MeV [19.339 MeV]
(A_Ba:1138)
137Ba56 + 12 D* --> 128Te52 + 33S16 + 185.486 MeV [15.231 MeV]
(A_Ba:1139)
137Ba56 + 12 D* --> 131Xe54 + 30Si14 + 182.756 MeV [12.501 MeV]
(A_Ba:1140)
137Ba56 + 12 D* --> 132Xe54 + 29Si14 + 181.083 MeV [10.828 MeV]
(A_Ba:1141)
137Ba56 + 12 D* --> 135Ba56 + 26Mg12 + 173.973 MeV [3.718 MeV]
(A_Ba:1142)
137Ba56 + 12 D* --> 136Ba56 + 25Mg12 + 171.987 MeV [1.732 MeV]
(A_Ba:1143)
137Ba56 + 12 D* --> 137Ba56 + 24Mg12 + 171.562 MeV [1.307 MeV]
(A_Ba:1144)
137Ba56 + 12 D* --> 138La57 + 23Na11 + 165.962 MeV [-4.293 MeV]
(A_Ba:1145)
137Ba56 + 12 D* --> 140Ce58 + 21Ne10 + 163.722 MeV [-6.533 MeV]
(A_Ba:1146)
137Ba56 + 12 D* --> 143Nd60 + 18O8 + 154.696 MeV [-15.559 MeV]
(A_Ba:1147)
137Ba56 + 12 D* --> 144Nd60 + 17O8 + 154.469 MeV [-15.786 MeV]
(A_Ba:1148)
137Ba56 + 12 D* --> 145Nd60 + 16O8 + 156.082 MeV [-14.173 MeV]
(A_Ba:1149)
137Ba56 + 12 D* --> 148Sm62 + 13C6 + 146.125 MeV [-24.130 MeV]
(A_Ba:1150)

137Ba56 + 12 D* --> 149Sm62 + 12C6 + 147.049 MeV [-23.206 MeV]
(A_Ba:1151)
137Ba56 + 12 D* --> 151Eu63 + 10B5 + 132.516 MeV [-37.739 MeV]
(A_Ba:1152)
137Ba56 + 12 D* --> 152Gd64 + 9Be4 + 133.274 MeV [-36.981 MeV]
(A_Ba:1153)
137Ba56 + 12 D* --> 158Dy66 + 3He2 + 125.388 MeV [-44.867 MeV]
(A_Ba:1154)

138Ba56 + D* --> 130Te52 + 10B5 + 00.175 MeV [-12.249 MeV]
(A_Ba:1155)

138Ba56 + 2 D* --> 124Sn50 + 18O8 + 27.028 MeV [1.855 MeV]
(A_Ba:1156)
138Ba56 + 2 D* --> 130Te52 + 12C6 + 25.361 MeV [00.189 MeV]
(A_Ba:1157)
138Ba56 + 2 D* --> 138Ba56 + 4He2 + 23.847 MeV [-1.326 MeV]
(A_Ba:1158)
138Ba56 + 2 D* --> 142Ce58 + 22.548 MeV [-2.624 MeV]
(A_Ba:1159)

138Ba56 + 3 D* --> 130Te52 + 14N7 + 35.634 MeV [-2.609 MeV]
(A_Ba:1160)
138Ba56 + 3 D* --> 134Xe54 + 10B5 + 27.219 MeV [-11.023 MeV]
(A_Ba:1161)
138Ba56 + 3 D* --> 137Ba56 + 7Li3 + 23.959 MeV [-14.284 MeV]
(A_Ba:1162)
138Ba56 + 3 D* --> 138Ba56 + 6Li3 + 25.320 MeV [-12.922 MeV]
(A_Ba:1163)
138Ba56 + 3 D* --> 142Ce58 + 2H1 + 22.548 MeV [-15.694 MeV]
(A_Ba:1164)

138Ba56 + 4 D* --> 124Sn50 + 22Ne10 + 60.543 MeV [8.911 MeV]
(A_Ba:1165)
138Ba56 + 4 D* --> 128Te52 + 18O8 + 54.055 MeV [2.424 MeV]
(A_Ba:1166)
138Ba56 + 4 D* --> 130Te52 + 16O8 + 56.370 MeV [4.738 MeV]
(A_Ba:1167)
138Ba56 + 4 D* --> 134Xe54 + 12C6 + 52.406 MeV [00.774 MeV]
(A_Ba:1168)
138Ba56 + 4 D* --> 137Ba56 + 9Be4 + 40.655 MeV [-10.977 MeV]
(A_Ba:1169)
138Ba56 + 4 D* --> 139La57 + 7Li3 + 36.604 MeV [-15.027 MeV]
(A_Ba:1170)
138Ba56 + 4 D* --> 142Ce58 + 4He2 + 46.395 MeV [-5.237 MeV]
(A_Ba:1171)
138Ba56 + 4 D* --> 146Nd60 + 45.212 MeV [-6.419 MeV]
(A_Ba:1172)

138Ba56 + 5 D* --> 134Xe54 + 14N7 + 62.678 MeV [-2.658 MeV]
(A_Ba:1173)
138Ba56 + 5 D* --> 137Ba56 + 11B5 + 56.470 MeV [-8.866 MeV]
(A_Ba:1174)
138Ba56 + 5 D* --> 138Ba56 + 10B5 + 53.628 MeV [-11.708 MeV]

(A_Ba:1175)
138Ba56 + 5 D* --> 139La57 + 9Be4 + 53.301 MeV [-12.035 MeV]
(A_Ba:1176)
138Ba56 + 5 D* --> 142Ce58 + 6Li3 + 47.869 MeV [-17.467 MeV]
(A_Ba:1177)
138Ba56 + 5 D* --> 146Nd60 + 2H1 + 45.212 MeV [-20.124 MeV]
(A_Ba:1178)

138Ba56 + 6 D* --> 124Sn50 + 26Mg12 + 95.004 MeV [15.650 MeV]
(A_Ba:1179)
138Ba56 + 6 D* --> 128Te52 + 22Ne10 + 87.570 MeV [8.215 MeV]
(A_Ba:1180)
138Ba56 + 6 D* --> 130Te52 + 20Ne10 + 84.946 MeV [5.592 MeV]
(A_Ba:1181)
138Ba56 + 6 D* --> 132Xe54 + 18O8 + 80.615 MeV [1.261 MeV]
(A_Ba:1182)
138Ba56 + 6 D* --> 134Xe54 + 16O8 + 83.414 MeV [4.060 MeV]
(A_Ba:1183)
138Ba56 + 6 D* --> 137Ba56 + 13C6 + 75.149 MeV [-4.205 MeV]
(A_Ba:1184)
138Ba56 + 6 D* --> 138Ba56 + 12C6 + 78.814 MeV [-0.540 MeV]
(A_Ba:1185)
138Ba56 + 6 D* --> 139La57 + 11B5 + 69.116 MeV [-10.238 MeV]
(A_Ba:1186)
138Ba56 + 6 D* --> 146Nd60 + 4He2 + 69.059 MeV [-10.295 MeV]
(A_Ba:1187)
138Ba56 + 6 D* --> 150Sm62 + 67.610 MeV [-11.744 MeV]
(A_Ba:1188)

138Ba56 + 7 D* --> 137Ba56 + 15N7 + 91.308 MeV [-2.375 MeV]
(A_Ba:1189)
138Ba56 + 7 D* --> 138Ba56 + 14N7 + 89.087 MeV [-4.596 MeV]
(A_Ba:1190)
138Ba56 + 7 D* --> 139La57 + 13C6 + 87.795 MeV [-5.888 MeV]
(A_Ba:1191)
138Ba56 + 7 D* --> 142Ce58 + 10B5 + 76.176 MeV [-17.507 MeV]
(A_Ba:1192)
138Ba56 + 7 D* --> 145Nd60 + 7Li3 + 70.217 MeV [-23.466 MeV]
(A_Ba:1193)
138Ba56 + 7 D* --> 146Nd60 + 6Li3 + 70.533 MeV [-23.150 MeV]
(A_Ba:1194)
138Ba56 + 7 D* --> 150Sm62 + 2H1 + 67.610 MeV [-26.073 MeV]
(A_Ba:1195)

138Ba56 + 8 D* --> 124Sn50 + 30Si14 + 129.494 MeV [21.174 MeV]
(A_Ba:1196)
138Ba56 + 8 D* --> 128Te52 + 26Mg12 + 122.031 MeV [13.711 MeV]
(A_Ba:1197)
138Ba56 + 8 D* --> 130Te52 + 24Mg12 + 118.109 MeV [9.789 MeV]
(A_Ba:1198)
138Ba56 + 8 D* --> 132Xe54 + 22Ne10 + 114.129 MeV [5.809 MeV]
(A_Ba:1199)
138Ba56 + 8 D* --> 134Xe54 + 20Ne10 + 111.991 MeV [3.670 MeV]
(A_Ba:1200)

138Ba56 + 8 D* --> 136Ba56 + 18O8 + 106.493 MeV [-1.828 MeV]
(A_Ba:1201)
138Ba56 + 8 D* --> 137Ba56 + 17O8 + 105.354 MeV [-2.966 MeV]
(A_Ba:1202)
138Ba56 + 8 D* --> 138Ba56 + 16O8 + 109.823 MeV [1.503 MeV]
(A_Ba:1203)
138Ba56 + 8 D* --> 139La57 + 15N7 + 103.954 MeV [-4.366 MeV]
(A_Ba:1204)
138Ba56 + 8 D* --> 142Ce58 + 12C6 + 101.363 MeV [-6.958 MeV]
(A_Ba:1205)
138Ba56 + 8 D* --> 145Nd60 + 9Be4 + 86.914 MeV [-21.407 MeV]
(A_Ba:1206)
138Ba56 + 8 D* --> 150Sm62 + 4He2 + 91.457 MeV [-16.864 MeV]
(A_Ba:1207)
138Ba56 + 8 D* --> 153Eu63 + 1H1 + 82.909 MeV [-25.412 MeV]
(A_Ba:1208)
138Ba56 + 8 D* --> 154Gd64 + 90.537 MeV [-17.783 MeV]
(A_Ba:1209)

138Ba56 + 9 D* --> 137Ba56 + 19F9 + 119.168 MeV [-4.095 MeV]
(A_Ba:1210)
138Ba56 + 9 D* --> 138La57 + 18O8 + 117.266 MeV [-5.997 MeV]
(A_Ba:1211)
138Ba56 + 9 D* --> 139La57 + 17O8 + 118.000 MeV [-5.263 MeV]
(A_Ba:1212)
138Ba56 + 9 D* --> 142Ce58 + 14N7 + 111.635 MeV [-11.628 MeV]
(A_Ba:1213)
138Ba56 + 9 D* --> 145Nd60 + 11B5 + 102.729 MeV [-20.534 MeV]
(A_Ba:1214)
138Ba56 + 9 D* --> 146Nd60 + 10B5 + 98.840 MeV [-24.423 MeV]
(A_Ba:1215)
138Ba56 + 9 D* --> 149Sm62 + 7Li3 + 92.194 MeV [-31.070 MeV]
(A_Ba:1216)
138Ba56 + 9 D* --> 150Sm62 + 6Li3 + 92.930 MeV [-30.333 MeV]
(A_Ba:1217)
138Ba56 + 9 D* --> 153Eu63 + 3He2 + 88.402 MeV [-34.861 MeV]
(A_Ba:1218)
138Ba56 + 9 D* --> 154Gd64 + 2H1 + 90.537 MeV [-32.726 MeV]
(A_Ba:1219)
138Ba56 + 9 D* --> 155Gd64 + 1H1 + 94.748 MeV [-28.515 MeV]
(A_Ba:1220)

138Ba56 + 10 D* --> 82Se34 + 76Ge32 + 193.903 MeV [55.393 MeV]
(A_Ba:1221)
138Ba56 + 10 D* --> 110Pd46 + 48Ca20 + 175.659 MeV [37.149 MeV]
(A_Ba:1222)
138Ba56 + 10 D* --> 122Sn50 + 36S16 + 163.706 MeV [25.196 MeV]
(A_Ba:1223)
138Ba56 + 10 D* --> 124Sn50 + 34S16 + 161.264 MeV [22.754 MeV]
(A_Ba:1224)
138Ba56 + 10 D* --> 128Te52 + 30Si14 + 156.521 MeV [18.011 MeV]
(A_Ba:1225)
138Ba56 + 10 D* --> 130Te52 + 28Si14 + 151.940 MeV [13.430 MeV]
(A_Ba:1226)

138Ba56 + 10 D* --> 132Xe54 + 26Mg12 + 148.591 MeV [10.081 MeV]
(A_Ba:1227)
138Ba56 + 10 D* --> 134Xe54 + 24Mg12 + 145.154 MeV [6.644 MeV]
(A_Ba:1228)
138Ba56 + 10 D* --> 136Ba56 + 22Ne10 + 140.007 MeV [1.498 MeV]
(A_Ba:1229)
138Ba56 + 10 D* --> 137Ba56 + 21Ne10 + 136.549 MeV [-1.961 MeV]
(A_Ba:1230)
138Ba56 + 10 D* --> 138Ba56 + 20Ne10 + 138.399 MeV [-0.111 MeV]
(A_Ba:1231)
138Ba56 + 10 D* --> 139La57 + 19F9 + 131.814 MeV [-6.695 MeV]
(A_Ba:1232)
138Ba56 + 10 D* --> 140Ce58 + 18O8 + 131.960 MeV [-6.549 MeV]
(A_Ba:1233)
138Ba56 + 10 D* --> 142Ce58 + 16O8 + 132.371 MeV [-6.139 MeV]
(A_Ba:1234)
138Ba56 + 10 D* --> 145Nd60 + 13C6 + 121.408 MeV [-17.102 MeV]
(A_Ba:1235)
138Ba56 + 10 D* --> 146Nd60 + 12C6 + 124.027 MeV [-14.483 MeV]
(A_Ba:1236)
138Ba56 + 10 D* --> 149Sm62 + 9Be4 + 108.890 MeV [-29.620 MeV]
(A_Ba:1237)
138Ba56 + 10 D* --> 151Eu63 + 7Li3 + 102.847 MeV [-35.663 MeV]
(A_Ba:1238)
138Ba56 + 10 D* --> 154Gd64 + 4He2 + 114.384 MeV [-24.126 MeV]
(A_Ba:1239)
138Ba56 + 10 D* --> 155Gd64 + 3He2 + 100.241 MeV [-38.268 MeV]
(A_Ba:1240)
138Ba56 + 10 D* --> 158Dy66 + 113.508 MeV [-25.002 MeV]
(A_Ba:1241)

138Ba56 + 11 D* --> 137Ba56 + 23Na11 + 153.482 MeV [-0.575 MeV]
(A_Ba:1242)
138Ba56 + 11 D* --> 138La57 + 22Ne10 + 150.781 MeV [-3.277 MeV]
(A_Ba:1243)
138Ba56 + 11 D* --> 139La57 + 21Ne10 + 149.194 MeV [-4.863 MeV]
(A_Ba:1244)
138Ba56 + 11 D* --> 145Nd60 + 15N7 + 137.567 MeV [-16.490 MeV]
(A_Ba:1245)
138Ba56 + 11 D* --> 146Nd60 + 14N7 + 134.299 MeV [-19.758 MeV]
(A_Ba:1246)
138Ba56 + 11 D* --> 149Sm62 + 11B5 + 124.705 MeV [-29.352 MeV]
(A_Ba:1247)
138Ba56 + 11 D* --> 150Sm62 + 10B5 + 121.238 MeV [-32.819 MeV]
(A_Ba:1248)
138Ba56 + 11 D* --> 151Eu63 + 9Be4 + 119.543 MeV [-34.515 MeV]
(A_Ba:1249)
138Ba56 + 11 D* --> 154Gd64 + 6Li3 + 115.858 MeV [-38.200 MeV]
(A_Ba:1250)
138Ba56 + 11 D* --> 158Dy66 + 2H1 + 113.508 MeV [-40.550 MeV]
(A_Ba:1251)

138Ba56 + 12 D* --> 82Se34 + 80Se34 + 224.721 MeV [54.817 MeV]
(A_Ba:1252)

138Ba56 + 12 D* --> 86Kr36 + 76Ge32 + 225.846 MeV [55.942 MeV]
(A_Ba:1253)
138Ba56 + 12 D* --> 114Cd48 + 48Ca20 + 203.602 MeV [33.698 MeV]
(A_Ba:1254)
138Ba56 + 12 D* --> 116Cd48 + 46Ca20 + 201.222 MeV [31.318 MeV]
(A_Ba:1255)
138Ba56 + 12 D* --> 122Sn50 + 40Ar18 + 194.353 MeV [24.449 MeV]
(A_Ba:1256)
138Ba56 + 12 D* --> 124Sn50 + 38Ar18 + 192.318 MeV [22.414 MeV]
(A_Ba:1257)
138Ba56 + 12 D* --> 126Te52 + 36S16 + 190.096 MeV [20.192 MeV]
(A_Ba:1258)
138Ba56 + 12 D* --> 128Te52 + 34S16 + 188.291 MeV [18.387 MeV]
(A_Ba:1259)
138Ba56 + 12 D* --> 130Te52 + 32S16 + 182.734 MeV [12.830 MeV]
(A_Ba:1260)
138Ba56 + 12 D* --> 132Xe54 + 30Si14 + 183.080 MeV [13.176 MeV]
(A_Ba:1261)
138Ba56 + 12 D* --> 134Xe54 + 28Si14 + 178.984 MeV [9.080 MeV]
(A_Ba:1262)
138Ba56 + 12 D* --> 136Ba56 + 26Mg12 + 174.469 MeV [4.565 MeV]
(A_Ba:1263)
138Ba56 + 12 D* --> 137Ba56 + 25Mg12 + 170.281 MeV [00.377 MeV]
(A_Ba:1264)
138Ba56 + 12 D* --> 138Ba56 + 24Mg12 + 171.562 MeV [1.658 MeV]
(A_Ba:1265)
138Ba56 + 12 D* --> 139La57 + 23Na11 + 166.128 MeV [-3.776 MeV]
(A_Ba:1266)
138Ba56 + 12 D* --> 140Ce58 + 22Ne10 + 165.475 MeV [-4.429 MeV]
(A_Ba:1267)
138Ba56 + 12 D* --> 142Ce58 + 20Ne10 + 160.947 MeV [-8.957 MeV]
(A_Ba:1268)
138Ba56 + 12 D* --> 144Nd60 + 18O8 + 153.902 MeV [-16.002 MeV]
(A_Ba:1269)
138Ba56 + 12 D* --> 145Nd60 + 17O8 + 151.613 MeV [-18.291 MeV]
(A_Ba:1270)
138Ba56 + 12 D* --> 146Nd60 + 16O8 + 155.035 MeV [-14.869 MeV]
(A_Ba:1271)
138Ba56 + 12 D* --> 149Sm62 + 13C6 + 143.384 MeV [-26.520 MeV]
(A_Ba:1272)
138Ba56 + 12 D* --> 150Sm62 + 12C6 + 146.424 MeV [-23.480 MeV]
(A_Ba:1273)
138Ba56 + 12 D* --> 151Eu63 + 11B5 + 135.358 MeV [-34.546 MeV]
(A_Ba:1274)
138Ba56 + 12 D* --> 158Dy66 + 4He2 + 137.354 MeV [-32.550 MeV]
(A_Ba:1275)
138Ba56 + 12 D* --> 162Er68 + 135.710 MeV [-34.194 MeV]
(A_Ba:1276)

---------- Equations follow for Lanthanum, La, element 57 ----------

138La57 + D* --> 122Sn50 + 18O8 + 17.339 MeV [4.693 MeV] (A_La:1)
138La57 + D* --> 124Sn50 + 16O8 + 19.585 MeV [6.939 MeV] (A_La:2)
138La57 + D* --> 128Te52 + 12C6 + 15.603 MeV [2.957 MeV] (A_La:3)

Report A - Energetically Feasible Aneutronic X + n D* --> Y + Z Reactions, n = 1 to 12
Creating Stable Isotopes Y and Z With No Weak Reactions

138La57 + D* --> 131Xe54 + 9Be4 + 3.679 MeV [-8.967 MeV] (A_La:4)
138La57 + D* --> 136Ba56 + 4He2 + 13.073 MeV [00.427 MeV] (A_La:5)
138La57 + D* --> 139La57 + 1H1 + 6.553 MeV [-6.093 MeV] (A_La:6)
138La57 + D* --> 140Ce58 + 14.694 MeV [2.048 MeV] (A_La:7)

138La57 + 2 D* --> 128Te52 + 14N7 + 25.875 MeV [00.261 MeV] (A_La:8)
138La57 + 2 D* --> 131Xe54 + 11B5 + 19.494 MeV [-6.120 MeV] (A_La:9)
138La57 + 2 D* --> 132Xe54 + 10B5 + 16.977 MeV [-8.638 MeV] (A_La:10)
138La57 + 2 D* --> 133Cs55 + 9Be4 + 16.470 MeV [-9.144 MeV] (A_La:11)
138La57 + 2 D* --> 135Ba56 + 7Li3 + 12.689 MeV [-12.925 MeV] (A_La:12)
138La57 + 2 D* --> 136Ba56 + 6Li3 + 14.547 MeV [-11.067 MeV] (A_La:13)
138La57 + 2 D* --> 138La57 + 4He2 + 23.847 MeV [-1.768 MeV] (A_La:14)
138La57 + 2 D* --> 139La57 + 3He2 + 12.047 MeV [-13.567 MeV] (A_La:15)
138La57 + 2 D* --> 140Ce58 + 2H1 + 14.694 MeV [-10.920 MeV] (A_La:16)

138La57 + 3 D* --> 96Zr40 + 48Ca20 + 82.539 MeV [43.637 MeV] (A_La:17)
138La57 + 3 D* --> 122Sn50 + 22Ne10 + 50.853 MeV [11.951 MeV] (A_La:18)
138La57 + 3 D* --> 124Sn50 + 20Ne10 + 48.161 MeV [9.259 MeV] (A_La:19)
138La57 + 3 D* --> 126Te52 + 18O8 + 43.729 MeV [4.827 MeV] (A_La:20)
138La57 + 3 D* --> 128Te52 + 16O8 + 46.612 MeV [7.710 MeV] (A_La:21)
138La57 + 3 D* --> 131Xe54 + 13C6 + 38.173 MeV [-0.729 MeV] (A_La:22)
138La57 + 3 D* --> 132Xe54 + 12C6 + 42.163 MeV [3.261 MeV] (A_La:23)
138La57 + 3 D* --> 133Cs55 + 11B5 + 32.286 MeV [-6.616 MeV] (A_La:24)
138La57 + 3 D* --> 135Ba56 + 9Be4 + 29.385 MeV [-9.517 MeV] (A_La:25)
138La57 + 3 D* --> 138La57 + 6Li3 + 25.320 MeV [-13.582 MeV] (A_La:26)
138La57 + 3 D* --> 140Ce58 + 4He2 + 38.541 MeV [-0.361 MeV] (A_La:27)
138La57 + 3 D* --> 144Nd60 + 36.636 MeV [-2.266 MeV] (A_La:28)

138La57 + 4 D* --> 131Xe54 + 15N7 + 54.332 MeV [1.826 MeV] (A_La:29)
138La57 + 4 D* --> 132Xe54 + 14N7 + 52.435 MeV [-0.071 MeV] (A_La:30)
138La57 + 4 D* --> 133Cs55 + 13C6 + 50.964 MeV [-1.542 MeV] (A_La:31)
138La57 + 4 D* --> 135Ba56 + 11B5 + 45.201 MeV [-7.306 MeV] (A_La:32)
138La57 + 4 D* --> 136Ba56 + 10B5 + 42.854 MeV [-9.652 MeV] (A_La:33)
138La57 + 4 D* --> 140Ce58 + 6Li3 + 40.015 MeV [-12.492 MeV] (A_La:34)
138La57 + 4 D* --> 144Nd60 + 2H1 + 36.636 MeV [-15.871 MeV] (A_La:35)
138La57 + 4 D* --> 145Nd60 + 1H1 + 40.166 MeV [-12.340 MeV] (A_La:36)

138La57 + 5 D* --> 100Mo42 + 48Ca20 + 109.552 MeV [43.127 MeV] (A_La:37)
138La57 + 5 D* --> 122Sn50 + 26Mg12 + 85.314 MeV [18.889 MeV] (A_La:38)
138La57 + 5 D* --> 124Sn50 + 24Mg12 + 81.324 MeV [14.899 MeV] (A_La:39)
138La57 + 5 D* --> 126Te52 + 22Ne10 + 77.243 MeV [10.818 MeV] (A_La:40)
138La57 + 5 D* --> 128Te52 + 20Ne10 + 75.188 MeV [8.763 MeV] (A_La:41)
138La57 + 5 D* --> 130Xe54 + 18O8 + 69.817 MeV [3.392 MeV] (A_La:42)
138La57 + 5 D* --> 131Xe54 + 17O8 + 68.378 MeV [1.953 MeV] (A_La:43)
138La57 + 5 D* --> 132Xe54 + 16O8 + 73.171 MeV [6.746 MeV] (A_La:44)
138La57 + 5 D* --> 133Cs55 + 15N7 + 67.123 MeV [00.698 MeV] (A_La:45)
138La57 + 5 D* --> 135Ba56 + 13C6 + 63.879 MeV [-2.546 MeV] (A_La:46)
138La57 + 5 D* --> 136Ba56 + 12C6 + 68.041 MeV [1.616 MeV] (A_La:47)
138La57 + 5 D* --> 138La57 + 10B5 + 53.628 MeV [-12.797 MeV] (A_La:48)
138La57 + 5 D* --> 141Pr59 + 7Li3 + 50.267 MeV [-16.158 MeV] (A_La:49)
138La57 + 5 D* --> 144Nd60 + 4He2 + 60.482 MeV [-5.943 MeV] (A_La:50)
138La57 + 5 D* --> 145Nd60 + 3He2 + 45.660 MeV [-20.765 MeV] (A_La:51)
138La57 + 5 D* --> 148Sm62 + 58.496 MeV [-7.929 MeV] (A_La:52)

138La57 + 6 D* --> 131Xe54 + 19F9 + 82.192 MeV [1.537 MeV] (A_La:53)
138La57 + 6 D* --> 133Cs55 + 17O8 + 81.169 MeV [00.514 MeV] (A_La:54)
138La57 + 6 D* --> 135Ba56 + 15N7 + 80.039 MeV [-0.616 MeV] (A_La:55)
138La57 + 6 D* --> 136Ba56 + 14N7 + 78.313 MeV [-2.342 MeV] (A_La:56)
138La57 + 6 D* --> 138La57 + 12C6 + 78.814 MeV [-1.841 MeV] (A_La:57)
138La57 + 6 D* --> 140Ce58 + 10B5 + 68.322 MeV [-12.333 MeV] (A_La:58)
138La57 + 6 D* --> 141Pr59 + 9Be4 + 66.963 MeV [-13.692 MeV] (A_La:59)
138La57 + 6 D* --> 143Nd60 + 7Li3 + 61.389 MeV [-19.266 MeV] (A_La:60)
138La57 + 6 D* --> 144Nd60 + 6Li3 + 61.956 MeV [-18.699 MeV] (A_La:61)
138La57 + 6 D* --> 148Sm62 + 2H1 + 58.496 MeV [-22.159 MeV] (A_La:62)
138La57 + 6 D* --> 149Sm62 + 1H1 + 62.143 MeV [-18.512 MeV] (A_La:63)

138La57 + 7 D* --> 76Ge32 + 76Ge32 + 151.851 MeV [56.657 MeV] (A_La:64)
138La57 + 7 D* --> 82Se34 + 70Zn30 + 152.584 MeV [57.390 MeV] (A_La:65)
138La57 + 7 D* --> 104Ru44 + 48Ca20 + 137.728 MeV [42.534 MeV] (A_La:66)
138La57 + 7 D* --> 116Cd48 + 36S16 + 124.809 MeV [29.615 MeV] (A_La:67)
138La57 + 7 D* --> 122Sn50 + 30Si14 + 119.804 MeV [24.610 MeV] (A_La:68)
138La57 + 7 D* --> 124Sn50 + 28Si14 + 115.155 MeV [19.961 MeV] (A_La:69)
138La57 + 7 D* --> 126Te52 + 26Mg12 + 111.705 MeV [16.510 MeV] (A_La:70)
138La57 + 7 D* --> 128Te52 + 24Mg12 + 108.351 MeV [13.157 MeV] (A_La:71)
138La57 + 7 D* --> 130Xe54 + 22Ne10 + 103.332 MeV [8.138 MeV] (A_La:72)
138La57 + 7 D* --> 131Xe54 + 21Ne10 + 99.572 MeV [4.378 MeV] (A_La:73)
138La57 + 7 D* --> 132Xe54 + 20Ne10 + 101.748 MeV [6.554 MeV] (A_La:74)
138La57 + 7 D* --> 133Cs55 + 19F9 + 94.984 MeV [-0.210 MeV] (A_La:75)
138La57 + 7 D* --> 134Ba56 + 18O8 + 95.157 MeV [-0.037 MeV] (A_La:76)
138La57 + 7 D* --> 135Ba56 + 17O8 + 94.085 MeV [-1.109 MeV] (A_La:77)
138La57 + 7 D* --> 136Ba56 + 16O8 + 99.049 MeV [3.855 MeV] (A_La:78)
138La57 + 7 D* --> 138La57 + 14N7 + 89.087 MeV [-6.107 MeV] (A_La:79)
138La57 + 7 D* --> 140Ce58 + 12C6 + 93.509 MeV [-1.685 MeV] (A_La:80)
138La57 + 7 D* --> 141Pr59 + 11B5 + 82.778 MeV [-12.416 MeV] (A_La:81)
138La57 + 7 D* --> 143Nd60 + 9Be4 + 78.085 MeV [-17.109 MeV] (A_La:82)
138La57 + 7 D* --> 148Sm62 + 4He2 + 82.343 MeV [-12.851 MeV] (A_La:83)
138La57 + 7 D* --> 149Sm62 + 3He2 + 67.636 MeV [-27.558 MeV] (A_La:84)
138La57 + 7 D* --> 151Eu63 + 1H1 + 72.795 MeV [-22.399 MeV] (A_La:85)
138La57 + 7 D* --> 152Gd64 + 80.140 MeV [-15.054 MeV] (A_La:86)

138La57 + 8 D* --> 131Xe54 + 23Na11 + 116.506 MeV [6.467 MeV] (A_La:87)
138La57 + 8 D* --> 133Cs55 + 21Ne10 + 112.364 MeV [2.324 MeV] (A_La:88)
138La57 + 8 D* --> 135Ba56 + 19F9 + 107.899 MeV [-2.141 MeV] (A_La:89)
138La57 + 8 D* --> 138La57 + 16O8 + 109.823 MeV [-0.217 MeV] (A_La:90)
138La57 + 8 D* --> 140Ce58 + 14N7 + 103.781 MeV [-6.259 MeV] (A_La:91)
138La57 + 8 D* --> 141Pr59 + 13C6 + 101.457 MeV [-8.583 MeV] (A_La:92)
138La57 + 8 D* --> 143Nd60 + 11B5 + 93.901 MeV [-16.139 MeV] (A_La:93)
138La57 + 8 D* --> 144Nd60 + 10B5 + 90.264 MeV [-19.776 MeV] (A_La:94)
138La57 + 8 D* --> 147Sm62 + 7Li3 + 82.925 MeV [-27.115 MeV] (A_La:95)
138La57 + 8 D* --> 148Sm62 + 6Li3 + 83.816 MeV [-26.223 MeV] (A_La:96)
138La57 + 8 D* --> 151Eu63 + 3He2 + 78.289 MeV [-31.751 MeV] (A_La:97)
138La57 + 8 D* --> 152Gd64 + 2H1 + 80.140 MeV [-29.900 MeV] (A_La:98)

138La57 + 9 D* --> 80Se34 + 76Ge32 + 182.670 MeV [57.481 MeV] (A_La:99)
138La57 + 9 D* --> 82Se34 + 74Ge32 + 182.713 MeV [57.524 MeV] (A_La:100)
138La57 + 9 D* --> 86Kr36 + 70Zn30 + 184.527 MeV [59.338 MeV] (A_La:101)
138La57 + 9 D* --> 108Pd46 + 48Ca20 + 165.435 MeV [40.246 MeV] (A_La:102)
138La57 + 9 D* --> 110Pd46 + 46Ca20 + 163.181 MeV [37.992 MeV] (A_La:103)

138La57 + 9 D* --> 116Cd48 + 40Ar18 + 155.456 MeV [30.267 MeV] (A_La:104)
138La57 + 9 D* --> 120Sn50 + 36S16 + 153.466 MeV [28.277 MeV] (A_La:105)
138La57 + 9 D* --> 122Sn50 + 34S16 + 151.575 MeV [26.385 MeV] (A_La:106)
138La57 + 9 D* --> 124Sn50 + 32S16 + 145.949 MeV [20.760 MeV] (A_La:107)
138La57 + 9 D* --> 126Te52 + 30Si14 + 146.194 MeV [21.005 MeV] (A_La:108)
138La57 + 9 D* --> 128Te52 + 28Si14 + 142.182 MeV [16.993 MeV] (A_La:109)
138La57 + 9 D* --> 130Xe54 + 26Mg12 + 137.793 MeV [12.604 MeV] (A_La:110)
138La57 + 9 D* --> 131Xe54 + 25Mg12 + 133.305 MeV [8.116 MeV] (A_La:111)
138La57 + 9 D* --> 132Xe54 + 24Mg12 + 134.911 MeV [9.722 MeV] (A_La:112)
138La57 + 9 D* --> 133Cs55 + 23Na11 + 129.298 MeV [4.108 MeV] (A_La:113)
138La57 + 9 D* --> 134Ba56 + 22Ne10 + 128.671 MeV [3.482 MeV] (A_La:114)
138La57 + 9 D* --> 135Ba56 + 21Ne10 + 125.279 MeV [00.090 MeV] (A_La:115)
138La57 + 9 D* --> 136Ba56 + 20Ne10 + 127.626 MeV [2.436 MeV] (A_La:116)
138La57 + 9 D* --> 138Ce58 + 18O8 + 120.047 MeV [-5.142 MeV] (A_La:117)
138La57 + 9 D* --> 140Ce58 + 16O8 + 124.517 MeV [-0.672 MeV] (A_La:118)
138La57 + 9 D* --> 141Pr59 + 15N7 + 117.616 MeV [-7.573 MeV] (A_La:119)
138La57 + 9 D* --> 143Nd60 + 13C6 + 112.579 MeV [-12.610 MeV] (A_La:120)
138La57 + 9 D* --> 144Nd60 + 12C6 + 115.450 MeV [-9.739 MeV] (A_La:121)
138La57 + 9 D* --> 147Sm62 + 9Be4 + 99.621 MeV [-25.568 MeV] (A_La:122)
138La57 + 9 D* --> 152Gd64 + 4He2 + 103.986 MeV [-21.203 MeV] (A_La:123)
138La57 + 9 D* --> 156Dy66 + 102.227 MeV [-22.963 MeV] (A_La:124)

138La57 + 10 D* --> 131Xe54 + 27Al13 + 150.444 MeV [9.804 MeV] (A_La:125)
138La57 + 10 D* --> 133Cs55 + 25Mg12 + 146.096 MeV [5.456 MeV] (A_La:126)
138La57 + 10 D* --> 135Ba56 + 23Na11 + 142.213 MeV [1.572 MeV] (A_La:127)
138La57 + 10 D* --> 138La57 + 20Ne10 + 138.399 MeV [-2.241 MeV] (A_La:128)
138La57 + 10 D* --> 141Pr59 + 17O8 + 131.662 MeV [-8.978 MeV] (A_La:129)
138La57 + 10 D* --> 143Nd60 + 15N7 + 128.739 MeV [-11.902 MeV] (A_La:130)
138La57 + 10 D* --> 144Nd60 + 14N7 + 125.722 MeV [-14.918 MeV] (A_La:131)
138La57 + 10 D* --> 147Sm62 + 11B5 + 115.437 MeV [-25.204 MeV] (A_La:132)
138La57 + 10 D* --> 148Sm62 + 10B5 + 112.124 MeV [-28.517 MeV] (A_La:133)
138La57 + 10 D* --> 152Gd64 + 6Li3 + 105.460 MeV [-35.181 MeV] (A_La:134)
138La57 + 10 D* --> 156Dy66 + 2H1 + 102.227 MeV [-38.414 MeV] (A_La:135)

138La57 + 11 D* --> 80Se34 + 80Se34 + 213.488 MeV [57.097 MeV] (A_La:136)
138La57 + 11 D* --> 82Se34 + 78Se34 + 212.588 MeV [56.197 MeV] (A_La:137)
138La57 + 11 D* --> 84Kr36 + 76Ge32 + 213.612 MeV [57.221 MeV] (A_La:138)
138La57 + 11 D* --> 86Kr36 + 74Ge32 + 214.656 MeV [58.265 MeV] (A_La:139)
138La57 + 11 D* --> 96Zr40 + 64Ni28 + 210.510 MeV [54.119 MeV] (A_La:140)
138La57 + 11 D* --> 110Pd46 + 50Ti22 + 197.744 MeV [41.353 MeV] (A_La:141)
138La57 + 11 D* --> 112Cd48 + 48Ca20 + 192.763 MeV [36.371 MeV] (A_La:142)
138La57 + 11 D* --> 114Cd48 + 46Ca20 + 191.124 MeV [34.733 MeV] (A_La:143)
138La57 + 11 D* --> 116Cd48 + 44Ca20 + 188.156 MeV [31.765 MeV] (A_La:144)
138La57 + 11 D* --> 120Sn50 + 40Ar18 + 184.113 MeV [27.722 MeV] (A_La:145)
138La57 + 11 D* --> 122Sn50 + 38Ar18 + 182.629 MeV [26.237 MeV] (A_La:146)
138La57 + 11 D* --> 124Sn50 + 36Ar18 + 176.437 MeV [20.045 MeV] (A_La:147)
138La57 + 11 D* --> 123Sb51 + 37Cl17 + 178.954 MeV [22.562 MeV] (A_La:148)
138La57 + 11 D* --> 124Te52 + 36S16 + 179.157 MeV [22.765 MeV] (A_La:149)
138La57 + 11 D* --> 126Te52 + 34S16 + 177.965 MeV [21.573 MeV] (A_La:150)
138La57 + 11 D* --> 128Te52 + 32S16 + 172.976 MeV [16.584 MeV] (A_La:151)
138La57 + 11 D* --> 130Xe54 + 30Si14 + 172.283 MeV [15.891 MeV] (A_La:152)
138La57 + 11 D* --> 131Xe54 + 29Si14 + 168.279 MeV [11.887 MeV] (A_La:153)
138La57 + 11 D* --> 132Xe54 + 28Si14 + 168.742 MeV [12.350 MeV] (A_La:154)
138La57 + 11 D* --> 133Cs55 + 27Al13 + 163.236 MeV [6.844 MeV] (A_La:155)

138La57 + 11 D* --> 134Ba56 + 26Mg12 + 163.133 MeV [6.741 MeV] (A_La:156)
138La57 + 11 D* --> 135Ba56 + 25Mg12 + 159.012 MeV [2.620 MeV] (A_La:157)
138La57 + 11 D* --> 136Ba56 + 24Mg12 + 160.789 MeV [4.397 MeV] (A_La:158)
138La57 + 11 D* --> 138Ce58 + 22Ne10 + 153.561 MeV [-2.830 MeV] (A_La:159)
138La57 + 11 D* --> 140Ce58 + 20Ne10 + 153.093 MeV [-3.298 MeV] (A_La:160)
138La57 + 11 D* --> 141Pr59 + 19F9 + 145.477 MeV [-10.915 MeV] (A_La:161)
138La57 + 11 D* --> 142Nd60 + 18O8 + 144.705 MeV [-11.687 MeV] (A_La:162)
138La57 + 11 D* --> 143Nd60 + 17O8 + 142.785 MeV [-13.607 MeV] (A_La:163)
138La57 + 11 D* --> 144Nd60 + 16O8 + 146.458 MeV [-9.933 MeV] (A_La:164)
138La57 + 11 D* --> 147Sm62 + 13C6 + 134.115 MeV [-22.276 MeV] (A_La:165)
138La57 + 11 D* --> 148Sm62 + 12C6 + 137.310 MeV [-19.081 MeV] (A_La:166)
138La57 + 11 D* --> 156Dy66 + 4He2 + 126.073 MeV [-30.318 MeV] (A_La:167)

138La57 + 12 D* --> 122Sn50 + 40K19 + 194.585 MeV [22.145 MeV] (A_La:168)
138La57 + 12 D* --> 125Te52 + 37Cl17 + 191.888 MeV [19.448 MeV] (A_La:169)
138La57 + 12 D* --> 131Xe54 + 31P15 + 183.960 MeV [11.520 MeV] (A_La:170)
138La57 + 12 D* --> 133Cs55 + 29Si14 + 181.070 MeV [8.630 MeV] (A_La:171)
138La57 + 12 D* --> 135Ba56 + 27Al13 + 176.151 MeV [3.711 MeV] (A_La:172)
138La57 + 12 D* --> 138La57 + 24Mg12 + 171.562 MeV [-0.878 MeV] (A_La:173)
138La57 + 12 D* --> 141Pr59 + 21Ne10 + 162.857 MeV [-9.583 MeV] (A_La:174)
138La57 + 12 D* --> 143Nd60 + 19F9 + 156.599 MeV [-15.841 MeV] (A_La:175)
138La57 + 12 D* --> 147Sm62 + 15N7 + 150.275 MeV [-22.165 MeV] (A_La:176)
138La57 + 12 D* --> 148Sm62 + 14N7 + 147.583 MeV [-24.857 MeV] (A_La:177)
138La57 + 12 D* --> 152Gd64 + 10B5 + 133.767 MeV [-38.672 MeV] (A_La:178)
138La57 + 12 D* --> 156Dy66 + 6Li3 + 127.547 MeV [-44.893 MeV] (A_La:179)

139La57 + D* --> 124Sn50 + 17O8 + 14.950 MeV [2.334 MeV] (A_La:180)
139La57 + D* --> 128Te52 + 13C6 + 11.771 MeV [-0.845 MeV] (A_La:181)
139La57 + D* --> 132Xe54 + 9Be4 + 3.837 MeV [-8.779 MeV] (A_La:182)
139La57 + D* --> 137Ba56 + 4He2 + 11.201 MeV [-1.415 MeV] (A_La:183)

139La57 + 2 D* --> 124Sn50 + 19F9 + 28.764 MeV [3.210 MeV] (A_La:184)
139La57 + 2 D* --> 128Te52 + 15N7 + 27.931 MeV [2.376 MeV] (A_La:185)
139La57 + 2 D* --> 132Xe54 + 11B5 + 19.653 MeV [-5.902 MeV] (A_La:186)
139La57 + 2 D* --> 136Ba56 + 7Li3 + 13.019 MeV [-12.535 MeV] (A_La:187)
139La57 + 2 D* --> 137Ba56 + 6Li3 + 12.675 MeV [-12.880 MeV] (A_La:188)
139La57 + 2 D* --> 139La57 + 4He2 + 23.847 MeV [-1.708 MeV] (A_La:189)
139La57 + 2 D* --> 142Ce58 + 1H1 + 16.290 MeV [-9.265 MeV] (A_La:190)

139La57 + 3 D* --> 124Sn50 + 21Ne10 + 46.144 MeV [7.332 MeV] (A_La:191)
139La57 + 3 D* --> 128Te52 + 17O8 + 41.977 MeV [3.164 MeV] (A_La:192)
139La57 + 3 D* --> 132Xe54 + 13C6 + 38.331 MeV [-0.481 MeV] (A_La:193)
139La57 + 3 D* --> 136Ba56 + 9Be4 + 29.715 MeV [-9.097 MeV] (A_La:194)
139La57 + 3 D* --> 138La57 + 7Li3 + 23.792 MeV [-15.020 MeV] (A_La:195)
139La57 + 3 D* --> 139La57 + 6Li3 + 25.320 MeV [-13.492 MeV] (A_La:196)
139La57 + 3 D* --> 142Ce58 + 3He2 + 21.783 MeV [-17.029 MeV] (A_La:197)
139La57 + 3 D* --> 145Nd60 + 33.613 MeV [-5.199 MeV] (A_La:198)

139La57 + 4 D* --> 124Sn50 + 23Na11 + 63.078 MeV [10.691 MeV] (A_La:199)
139La57 + 4 D* --> 128Te52 + 19F9 + 55.791 MeV [3.404 MeV] (A_La:200)
139La57 + 4 D* --> 132Xe54 + 15N7 + 54.491 MeV [2.103 MeV] (A_La:201)
139La57 + 4 D* --> 136Ba56 + 11B5 + 45.531 MeV [-6.857 MeV] (A_La:202)
139La57 + 4 D* --> 137Ba56 + 10B5 + 40.982 MeV [-11.405 MeV] (A_La:203)
139La57 + 4 D* --> 138La57 + 9Be4 + 40.489 MeV [-11.899 MeV] (A_La:204)

139La57 + 4 D* --> 140Ce58 + 7Li3 + 38.487 MeV [-13.900 MeV] (A_La:205)
139La57 + 4 D* --> 145Nd60 + 2H1 + 33.613 MeV [-18.774 MeV] (A_La:206)
139La57 + 4 D* --> 146Nd60 + 1H1 + 38.954 MeV [-13.434 MeV] (A_La:207)

139La57 + 5 D* --> 124Sn50 + 25Mg12 + 79.877 MeV [13.601 MeV] (A_La:208)
139La57 + 5 D* --> 128Te52 + 21Ne10 + 73.171 MeV [6.895 MeV] (A_La:209)
139La57 + 5 D* --> 131Xe54 + 18O8 + 67.644 MeV [1.368 MeV] (A_La:210)
139La57 + 5 D* --> 132Xe54 + 17O8 + 68.537 MeV [2.260 MeV] (A_La:211)
139La57 + 5 D* --> 136Ba56 + 13C6 + 64.209 MeV [-2.067 MeV] (A_La:212)
139La57 + 5 D* --> 137Ba56 + 12C6 + 66.168 MeV [-0.108 MeV] (A_La:213)
139La57 + 5 D* --> 138La57 + 11B5 + 56.304 MeV [-9.972 MeV] (A_La:214)
139La57 + 5 D* --> 139La57 + 10B5 + 53.628 MeV [-12.648 MeV] (A_La:215)
139La57 + 5 D* --> 140Ce58 + 9Be4 + 55.183 MeV [-11.093 MeV] (A_La:216)
139La57 + 5 D* --> 145Nd60 + 4He2 + 57.459 MeV [-8.817 MeV] (A_La:217)
139La57 + 5 D* --> 146Nd60 + 3He2 + 44.447 MeV [-21.829 MeV] (A_La:218)
139La57 + 5 D* --> 149Sm62 + 55.589 MeV [-10.687 MeV] (A_La:219)

139La57 + 6 D* --> 124Sn50 + 27Al13 + 97.016 MeV [16.540 MeV] (A_La:220)
139La57 + 6 D* --> 128Te52 + 23Na11 + 90.105 MeV [9.628 MeV] (A_La:221)
139La57 + 6 D* --> 132Xe54 + 19F9 + 82.351 MeV [1.874 MeV] (A_La:222)
139La57 + 6 D* --> 133Cs55 + 18O8 + 80.435 MeV [-0.041 MeV] (A_La:223)
139La57 + 6 D* --> 136Ba56 + 15N7 + 80.368 MeV [-0.108 MeV] (A_La:224)
139La57 + 6 D* --> 137Ba56 + 14N7 + 76.441 MeV [-4.036 MeV] (A_La:225)
139La57 + 6 D* --> 138La57 + 13C6 + 74.983 MeV [-5.494 MeV] (A_La:226)
139La57 + 6 D* --> 139La57 + 12C6 + 78.814 MeV [-1.662 MeV] (A_La:227)
139La57 + 6 D* --> 140Ce58 + 11B5 + 70.998 MeV [-9.478 MeV] (A_La:228)
139La57 + 6 D* --> 144Nd60 + 7Li3 + 60.428 MeV [-20.049 MeV] (A_La:229)
139La57 + 6 D* --> 145Nd60 + 6Li3 + 58.933 MeV [-21.543 MeV] (A_La:230)
139La57 + 6 D* --> 149Sm62 + 2H1 + 55.589 MeV [-24.887 MeV] (A_La:231)
139La57 + 6 D* --> 150Sm62 + 1H1 + 61.351 MeV [-19.125 MeV] (A_La:232)
139La57 + 6 D* --> 151Eu63 + 66.242 MeV [-14.235 MeV] (A_La:233)

139La57 + 7 D* --> 124Sn50 + 29Si14 + 114.850 MeV [19.864 MeV] (A_La:234)
139La57 + 7 D* --> 128Te52 + 25Mg12 + 106.904 MeV [11.917 MeV] (A_La:235)
139La57 + 7 D* --> 131Xe54 + 22Ne10 + 101.159 MeV [6.172 MeV] (A_La:236)
139La57 + 7 D* --> 132Xe54 + 21Ne10 + 99.731 MeV [4.745 MeV] (A_La:237)
139La57 + 7 D* --> 135Ba56 + 18O8 + 93.351 MeV [-1.635 MeV] (A_La:238)
139La57 + 7 D* --> 136Ba56 + 17O8 + 94.414 MeV [-0.572 MeV] (A_La:239)
139La57 + 7 D* --> 137Ba56 + 16O8 + 97.177 MeV [2.191 MeV] (A_La:240)
139La57 + 7 D* --> 138La57 + 15N7 + 91.142 MeV [-3.844 MeV] (A_La:241)
139La57 + 7 D* --> 139La57 + 14N7 + 89.087 MeV [-5.900 MeV] (A_La:242)
139La57 + 7 D* --> 140Ce58 + 13C6 + 89.677 MeV [-5.309 MeV] (A_La:243)
139La57 + 7 D* --> 144Nd60 + 9Be4 + 77.124 MeV [-17.862 MeV] (A_La:244)
139La57 + 7 D* --> 149Sm62 + 4He2 + 79.436 MeV [-15.551 MeV] (A_La:245)
139La57 + 7 D* --> 150Sm62 + 3He2 + 66.845 MeV [-28.141 MeV] (A_La:246)
139La57 + 7 D* --> 151Eu63 + 2H1 + 66.242 MeV [-28.744 MeV] (A_La:247)

139La57 + 8 D* --> 124Sn50 + 31P15 + 130.532 MeV [20.730 MeV] (A_La:248)
139La57 + 8 D* --> 128Te52 + 27Al13 + 124.043 MeV [14.241 MeV] (A_La:249)
139La57 + 8 D* --> 132Xe54 + 23Na11 + 116.665 MeV [6.862 MeV] (A_La:250)
139La57 + 8 D* --> 133Cs55 + 22Ne10 + 113.950 MeV [4.148 MeV] (A_La:251)
139La57 + 8 D* --> 136Ba56 + 19F9 + 108.229 MeV [-1.574 MeV] (A_La:252)
139La57 + 8 D* --> 138La57 + 17O8 + 105.188 MeV [-4.615 MeV] (A_La:253)
139La57 + 8 D* --> 139La57 + 16O8 + 109.823 MeV [00.020 MeV] (A_La:254)

139La57 + 8 D* --> 140Ce58 + 15N7 + 105.836 MeV [-3.966 MeV] (A_La:255)
139La57 + 8 D* --> 144Nd60 + 11B5 + 92.940 MeV [-16.863 MeV] (A_La:256)
139La57 + 8 D* --> 145Nd60 + 10B5 + 87.241 MeV [-22.562 MeV] (A_La:257)
139La57 + 8 D* --> 148Sm62 + 7Li3 + 82.288 MeV [-27.514 MeV] (A_La:258)
139La57 + 8 D* --> 149Sm62 + 6Li3 + 80.910 MeV [-28.893 MeV] (A_La:259)
139La57 + 8 D* --> 151Eu63 + 4He2 + 90.089 MeV [-19.714 MeV] (A_La:260)
139La57 + 8 D* --> 154Gd64 + 1H1 + 84.279 MeV [-25.524 MeV] (A_La:261)

139La57 + 9 D* --> 124Sn50 + 33S16 + 145.813 MeV [20.890 MeV] (A_La:262)
139La57 + 9 D* --> 128Te52 + 29Si14 + 141.877 MeV [16.954 MeV] (A_La:263)
139La57 + 9 D* --> 131Xe54 + 26Mg12 + 135.620 MeV [10.697 MeV] (A_La:264)
139La57 + 9 D* --> 132Xe54 + 25Mg12 + 133.463 MeV [8.541 MeV] (A_La:265)
139La57 + 9 D* --> 135Ba56 + 22Ne10 + 126.865 MeV [1.943 MeV] (A_La:266)
139La57 + 9 D* --> 136Ba56 + 21Ne10 + 125.609 MeV [00.686 MeV] (A_La:267)
139La57 + 9 D* --> 137Ba56 + 20Ne10 + 125.753 MeV [00.830 MeV] (A_La:268)
139La57 + 9 D* --> 138La57 + 19F9 + 119.002 MeV [-5.921 MeV] (A_La:269)
139La57 + 9 D* --> 140Ce58 + 17O8 + 119.882 MeV [-5.041 MeV] (A_La:270)
139La57 + 9 D* --> 144Nd60 + 13C6 + 111.618 MeV [-13.305 MeV] (A_La:271)
139La57 + 9 D* --> 145Nd60 + 12C6 + 112.427 MeV [-12.496 MeV] (A_La:272)
139La57 + 9 D* --> 148Sm62 + 9Be4 + 98.985 MeV [-25.938 MeV] (A_La:273)
139La57 + 9 D* --> 151Eu63 + 6Li3 + 91.562 MeV [-33.360 MeV] (A_La:274)
139La57 + 9 D* --> 154Gd64 + 3He2 + 89.772 MeV [-35.151 MeV] (A_La:275)

139La57 + 10 D* --> 122Sn50 + 37Cl17 + 165.833 MeV [25.488 MeV] (A_La:276)
139La57 + 10 D* --> 124Sn50 + 35Cl17 + 161.376 MeV [21.031 MeV] (A_La:277)
139La57 + 10 D* --> 123Sb51 + 36S16 + 164.014 MeV [23.669 MeV] (A_La:278)
139La57 + 10 D* --> 128Te52 + 31P15 + 157.559 MeV [17.214 MeV] (A_La:279)
139La57 + 10 D* --> 132Xe54 + 27Al13 + 150.603 MeV [10.258 MeV] (A_La:280)
139La57 + 10 D* --> 133Cs55 + 26Mg12 + 148.411 MeV [8.066 MeV] (A_La:281)
139La57 + 10 D* --> 136Ba56 + 23Na11 + 142.543 MeV [2.197 MeV] (A_La:282)
139La57 + 10 D* --> 138La57 + 21Ne10 + 136.382 MeV [-3.963 MeV] (A_La:283)
139La57 + 10 D* --> 139La57 + 20Ne10 + 138.399 MeV [-1.946 MeV] (A_La:284)
139La57 + 10 D* --> 140Ce58 + 19F9 + 133.697 MeV [-6.649 MeV] (A_La:285)
139La57 + 10 D* --> 141Pr59 + 18O8 + 130.928 MeV [-9.417 MeV] (A_La:286)
139La57 + 10 D* --> 144Nd60 + 15N7 + 127.778 MeV [-12.568 MeV] (A_La:287)
139La57 + 10 D* --> 145Nd60 + 14N7 + 122.700 MeV [-17.646 MeV] (A_La:288)
139La57 + 10 D* --> 148Sm62 + 11B5 + 114.800 MeV [-25.545 MeV] (A_La:289)
139La57 + 10 D* --> 149Sm62 + 10B5 + 109.217 MeV [-31.128 MeV] (A_La:290)
139La57 + 10 D* --> 152Gd64 + 7Li3 + 103.932 MeV [-36.413 MeV] (A_La:291)
139La57 + 10 D* --> 158Dy66 + 1H1 + 107.249 MeV [-33.096 MeV] (A_La:292)

139La57 + 11 D* --> 113Cd48 + 48Ca20 + 190.525 MeV [34.458 MeV] (A_La:293)
139La57 + 11 D* --> 125Te52 + 36S16 + 176.948 MeV [20.881 MeV] (A_La:294)
139La57 + 11 D* --> 128Te52 + 33S16 + 172.840 MeV [16.773 MeV] (A_La:295)
139La57 + 11 D* --> 131Xe54 + 30Si14 + 170.110 MeV [14.043 MeV] (A_La:296)
139La57 + 11 D* --> 132Xe54 + 29Si14 + 168.437 MeV [12.370 MeV] (A_La:297)
139La57 + 11 D* --> 135Ba56 + 26Mg12 + 161.327 MeV [5.260 MeV] (A_La:298)
139La57 + 11 D* --> 136Ba56 + 25Mg12 + 159.341 MeV [3.274 MeV] (A_La:299)
139La57 + 11 D* --> 137Ba56 + 24Mg12 + 158.916 MeV [2.849 MeV] (A_La:300)
139La57 + 11 D* --> 138La57 + 23Na11 + 153.316 MeV [-2.751 MeV] (A_La:301)
139La57 + 11 D* --> 140Ce58 + 21Ne10 + 151.077 MeV [-4.990 MeV] (A_La:302)
139La57 + 11 D* --> 143Nd60 + 18O8 + 142.051 MeV [-14.017 MeV] (A_La:303)
139La57 + 11 D* --> 144Nd60 + 17O8 + 141.824 MeV [-14.244 MeV] (A_La:304)
139La57 + 11 D* --> 145Nd60 + 16O8 + 143.436 MeV [-12.631 MeV] (A_La:305)

139La57 + 11 D* --> 148Sm62 + 13C6 + 133.479 MeV [-22.588 MeV] (A_La:306)
139La57 + 11 D* --> 149Sm62 + 12C6 + 134.403 MeV [-21.664 MeV] (A_La:307)
139La57 + 11 D* --> 151Eu63 + 10B5 + 119.870 MeV [-36.197 MeV] (A_La:308)
139La57 + 11 D* --> 152Gd64 + 9Be4 + 120.628 MeV [-35.439 MeV] (A_La:309)
139La57 + 11 D* --> 158Dy66 + 3He2 + 112.742 MeV [-43.325 MeV] (A_La:310)

139La57 + 12 D* --> 82Se34 + 81Br35 + 225.966 MeV [53.880 MeV] (A_La:311)
139La57 + 12 D* --> 87Rb37 + 76Ge32 + 228.208 MeV [56.122 MeV] (A_La:312)
139La57 + 12 D* --> 115In49 + 48Ca20 + 204.148 MeV [32.062 MeV] (A_La:313)
139La57 + 12 D* --> 122Sn50 + 41K19 + 195.902 MeV [23.816 MeV] (A_La:314)
139La57 + 12 D* --> 124Sn50 + 39K19 + 192.441 MeV [20.355 MeV] (A_La:315)
139La57 + 12 D* --> 123Sb51 + 40Ar18 + 194.661 MeV [22.575 MeV] (A_La:316)
139La57 + 12 D* --> 126Te52 + 37Cl17 + 192.223 MeV [20.137 MeV] (A_La:317)
139La57 + 12 D* --> 128Te52 + 35Cl17 + 188.403 MeV [16.316 MeV] (A_La:318)
139La57 + 12 D* --> 127I53 + 36S16 + 190.044 MeV [17.958 MeV] (A_La:319)
139La57 + 12 D* --> 132Xe54 + 31P15 + 184.119 MeV [12.032 MeV] (A_La:320)
139La57 + 12 D* --> 133Cs55 + 30Si14 + 182.901 MeV [10.815 MeV] (A_La:321)
139La57 + 12 D* --> 136Ba56 + 27Al13 + 176.481 MeV [4.394 MeV] (A_La:322)
139La57 + 12 D* --> 138La57 + 25Mg12 + 170.115 MeV [-1.972 MeV] (A_La:323)
139La57 + 12 D* --> 139La57 + 24Mg12 + 171.562 MeV [-0.524 MeV] (A_La:324)
139La57 + 12 D* --> 140Ce58 + 23Na11 + 168.010 MeV [-4.076 MeV] (A_La:325)
139La57 + 12 D* --> 141Pr59 + 22Ne10 + 164.443 MeV [-7.644 MeV] (A_La:326)
139La57 + 12 D* --> 144Nd60 + 19F9 + 155.638 MeV [-16.449 MeV] (A_La:327)
139La57 + 12 D* --> 148Sm62 + 15N7 + 149.638 MeV [-22.448 MeV] (A_La:328)
139La57 + 12 D* --> 149Sm62 + 14N7 + 144.676 MeV [-27.411 MeV] (A_La:329)
139La57 + 12 D* --> 151Eu63 + 12C6 + 145.056 MeV [-27.030 MeV] (A_La:330)
139La57 + 12 D* --> 152Gd64 + 11B5 + 136.444 MeV [-35.643 MeV] (A_La:331)
139La57 + 12 D* --> 156Dy66 + 7Li3 + 126.019 MeV [-46.068 MeV] (A_La:332)
139La57 + 12 D* --> 162Er68 + 1H1 + 129.451 MeV [-42.636 MeV] (A_La:333)

---------- Equations follow for Cerium, Ce, element 58 ----------

136Ce58 + D* --> 119Sn50 + 19F9 + 18.223 MeV [5.293 MeV] (A_Ce:1)
136Ce58 + D* --> 121Sb51 + 17O8 + 17.071 MeV [4.142 MeV] (A_Ce:2)
136Ce58 + D* --> 123Te52 + 15N7 + 15.738 MeV [2.808 MeV] (A_Ce:3)
136Ce58 + D* --> 124Te52 + 14N7 + 14.329 MeV [1.399 MeV] (A_Ce:4)
136Ce58 + D* --> 128Xe54 + 10B5 + 4.477 MeV [-8.453 MeV] (A_Ce:5)
136Ce58 + D* --> 132Ba56 + 6Li3 + 1.015 MeV [-11.914 MeV] (A_Ce:6)

136Ce58 + 2 D* --> 70Zn30 + 70Zn30 + 78.932 MeV [52.753 MeV] (A_Ce:7)
136Ce58 + 2 D* --> 76Ge32 + 64Ni28 + 80.115 MeV [53.936 MeV] (A_Ce:8)
136Ce58 + 2 D* --> 82Se34 + 58Fe26 + 79.551 MeV [53.371 MeV] (A_Ce:9)
136Ce58 + 2 D* --> 86Kr36 + 54Cr24 + 80.001 MeV [53.822 MeV] (A_Ce:10)
136Ce58 + 2 D* --> 92Zr40 + 48Ca20 + 72.471 MeV [46.292 MeV] (A_Ce:11)
136Ce58 + 2 D* --> 94Zr40 + 46Ca20 + 70.205 MeV [44.026 MeV] (A_Ce:12)
136Ce58 + 2 D* --> 96Zr40 + 44Ca20 + 66.714 MeV [40.535 MeV] (A_Ce:13)
136Ce58 + 2 D* --> 100Mo42 + 40Ar18 + 61.027 MeV [34.848 MeV] (A_Ce:14)
136Ce58 + 2 D* --> 104Ru44 + 36S16 + 58.556 MeV [32.377 MeV] (A_Ce:15)
136Ce58 + 2 D* --> 110Pd46 + 30Si14 + 52.585 MeV [26.406 MeV] (A_Ce:16)
136Ce58 + 2 D* --> 114Cd48 + 26Mg12 + 46.039 MeV [19.859 MeV] (A_Ce:17)
136Ce58 + 2 D* --> 116Cd48 + 24Mg12 + 42.456 MeV [16.277 MeV] (A_Ce:18)
136Ce58 + 2 D* --> 118Sn50 + 22Ne10 + 39.484 MeV [13.305 MeV] (A_Ce:19)
136Ce58 + 2 D* --> 119Sn50 + 21Ne10 + 35.603 MeV [9.424 MeV] (A_Ce:20)
136Ce58 + 2 D* --> 120Sn50 + 20Ne10 + 37.950 MeV [11.771 MeV] (A_Ce:21)

136Ce58 + 2 D* --> 121Sb51 + 19F9 + 30.886 MeV [4.706 MeV] (A_Ce:22)
136Ce58 + 2 D* --> 122Te52 + 18O8 + 30.899 MeV [4.719 MeV] (A_Ce:23)
136Ce58 + 2 D* --> 123Te52 + 17O8 + 29.784 MeV [3.604 MeV] (A_Ce:24)
136Ce58 + 2 D* --> 124Te52 + 16O8 + 35.065 MeV [8.885 MeV] (A_Ce:25)
136Ce58 + 2 D* --> 128Xe54 + 12C6 + 29.663 MeV [3.484 MeV] (A_Ce:26)
136Ce58 + 2 D* --> 136Ce58 + 4He2 + 23.847 MeV [-2.333 MeV] (A_Ce:27)

136Ce58 + 3 D* --> 119Sn50 + 23Na11 + 52.537 MeV [12.791 MeV] (A_Ce:28)
136Ce58 + 3 D* --> 121Sb51 + 21Ne10 + 48.266 MeV [8.520 MeV] (A_Ce:29)
136Ce58 + 3 D* --> 123Te52 + 19F9 + 43.598 MeV [3.852 MeV] (A_Ce:30)
136Ce58 + 3 D* --> 128Xe54 + 14N7 + 39.935 MeV [00.189 MeV] (A_Ce:31)
136Ce58 + 3 D* --> 132Ba56 + 10B5 + 29.323 MeV [-10.423 MeV] (A_Ce:32)
136Ce58 + 3 D* --> 136Ce58 + 6Li3 + 25.320 MeV [-14.426 MeV] (A_Ce:33)

136Ce58 + 4 D* --> 74Ge32 + 70Zn30 + 109.062 MeV [55.434 MeV] (A_Ce:34)
136Ce58 + 4 D* --> 76Ge32 + 68Zn30 + 109.295 MeV [55.667 MeV] (A_Ce:35)
136Ce58 + 4 D* --> 80Se34 + 64Ni28 + 110.934 MeV [57.306 MeV] (A_Ce:36)
136Ce58 + 4 D* --> 82Se34 + 62Ni28 + 110.415 MeV [56.787 MeV] (A_Ce:37)
136Ce58 + 4 D* --> 86Kr36 + 58Fe26 + 111.494 MeV [57.866 MeV] (A_Ce:38)
136Ce58 + 4 D* --> 94Zr40 + 50Ti22 + 104.768 MeV [51.140 MeV] (A_Ce:39)
136Ce58 + 4 D* --> 96Zr40 + 48Ti22 + 100.005 MeV [46.378 MeV] (A_Ce:40)
136Ce58 + 4 D* --> 96Mo42 + 48Ca20 + 99.079 MeV [45.452 MeV] (A_Ce:41)
136Ce58 + 4 D* --> 98Mo42 + 46Ca20 + 97.321 MeV [43.694 MeV] (A_Ce:42)
136Ce58 + 4 D* --> 100Mo42 + 44Ca20 + 93.727 MeV [40.100 MeV] (A_Ce:43)
136Ce58 + 4 D* --> 104Ru44 + 40Ar18 + 89.203 MeV [35.576 MeV] (A_Ce:44)
136Ce58 + 4 D* --> 108Pd46 + 36S16 + 86.263 MeV [32.635 MeV] (A_Ce:45)
136Ce58 + 4 D* --> 110Pd46 + 34S16 + 84.356 MeV [30.728 MeV] (A_Ce:46)
136Ce58 + 4 D* --> 114Cd48 + 30Si14 + 80.528 MeV [26.901 MeV] (A_Ce:47)
136Ce58 + 4 D* --> 116Cd48 + 28Si14 + 76.287 MeV [22.659 MeV] (A_Ce:48)
136Ce58 + 4 D* --> 118Sn50 + 26Mg12 + 73.945 MeV [20.318 MeV] (A_Ce:49)
136Ce58 + 4 D* --> 119Sn50 + 25Mg12 + 69.336 MeV [15.708 MeV] (A_Ce:50)
136Ce58 + 4 D* --> 120Sn50 + 24Mg12 + 71.113 MeV [17.486 MeV] (A_Ce:51)
136Ce58 + 4 D* --> 121Sb51 + 23Na11 + 65.200 MeV [11.572 MeV] (A_Ce:52)
136Ce58 + 4 D* --> 122Te52 + 22Ne10 + 64.413 MeV [10.786 MeV] (A_Ce:53)
136Ce58 + 4 D* --> 123Te52 + 21Ne10 + 60.978 MeV [7.351 MeV] (A_Ce:54)
136Ce58 + 4 D* --> 124Te52 + 20Ne10 + 63.641 MeV [10.013 MeV] (A_Ce:55)
136Ce58 + 4 D* --> 126Xe54 + 18O8 + 56.025 MeV [2.397 MeV] (A_Ce:56)
136Ce58 + 4 D* --> 128Xe54 + 16O8 + 60.672 MeV [7.044 MeV] (A_Ce:57)
136Ce58 + 4 D* --> 132Ba56 + 12C6 + 54.509 MeV [00.882 MeV] (A_Ce:58)
136Ce58 + 4 D* --> 144Sm62 + 48.047 MeV [-5.581 MeV] (A_Ce:59)

136Ce58 + 5 D* --> 96Zr40 + 50V23 + 113.875 MeV [46.054 MeV] (A_Ce:60)
136Ce58 + 5 D* --> 119Sn50 + 27Al13 + 86.475 MeV [18.654 MeV] (A_Ce:61)
136Ce58 + 5 D* --> 121Sb51 + 25Mg12 + 81.998 MeV [14.177 MeV] (A_Ce:62)
136Ce58 + 5 D* --> 123Te52 + 23Na11 + 77.912 MeV [10.091 MeV] (A_Ce:63)
136Ce58 + 5 D* --> 132Ba56 + 14N7 + 64.782 MeV [-3.039 MeV] (A_Ce:64)
136Ce58 + 5 D* --> 136Ce58 + 10B5 + 53.628 MeV [-14.193 MeV] (A_Ce:65)
136Ce58 + 5 D* --> 144Sm62 + 2H1 + 48.047 MeV [-19.774 MeV] (A_Ce:66)

136Ce58 + 6 D* --> 74Ge32 + 74Ge32 + 139.191 MeV [56.867 MeV] (A_Ce:67)
136Ce58 + 6 D* --> 76Ge32 + 72Ge32 + 138.145 MeV [55.821 MeV] (A_Ce:68)
136Ce58 + 6 D* --> 78Se34 + 70Zn30 + 138.937 MeV [56.613 MeV] (A_Ce:69)
136Ce58 + 6 D* --> 80Se34 + 68Zn30 + 140.113 MeV [57.790 MeV] (A_Ce:70)
136Ce58 + 6 D* --> 82Se34 + 66Zn30 + 138.839 MeV [56.516 MeV] (A_Ce:71)

136Ce58 + 6 D* --> 84Kr36 + 64Ni28 + 141.876 MeV [59.553 MeV] (A_Ce:72)
136Ce58 + 6 D* --> 86Kr36 + 62Ni28 + 142.358 MeV [60.034 MeV] (A_Ce:73)
136Ce58 + 6 D* --> 94Zr40 + 54Cr24 + 136.545 MeV [54.222 MeV] (A_Ce:74)
136Ce58 + 6 D* --> 96Zr40 + 52Cr24 + 133.206 MeV [50.882 MeV] (A_Ce:75)
136Ce58 + 6 D* --> 98Mo42 + 50Ti22 + 131.884 MeV [49.561 MeV] (A_Ce:76)
136Ce58 + 6 D* --> 100Mo42 + 48Ti22 + 127.018 MeV [44.695 MeV] (A_Ce:77)
136Ce58 + 6 D* --> 100Ru44 + 48Ca20 + 125.779 MeV [43.456 MeV] (A_Ce:78)
136Ce58 + 6 D* --> 102Ru44 + 46Ca20 + 124.579 MeV [42.256 MeV] (A_Ce:79)
136Ce58 + 6 D* --> 104Ru44 + 44Ca20 + 121.903 MeV [39.580 MeV] (A_Ce:80)
136Ce58 + 6 D* --> 108Pd46 + 40Ar18 + 116.910 MeV [34.587 MeV] (A_Ce:81)
136Ce58 + 6 D* --> 110Pd46 + 38Ar18 + 115.410 MeV [33.086 MeV] (A_Ce:82)
136Ce58 + 6 D* --> 112Cd48 + 36S16 + 113.591 MeV [31.267 MeV] (A_Ce:83)
136Ce58 + 6 D* --> 114Cd48 + 34S16 + 112.299 MeV [29.975 MeV] (A_Ce:84)
136Ce58 + 6 D* --> 116Cd48 + 32S16 + 107.081 MeV [24.758 MeV] (A_Ce:85)
136Ce58 + 6 D* --> 118Sn50 + 30Si14 + 108.435 MeV [26.112 MeV] (A_Ce:86)
136Ce58 + 6 D* --> 119Sn50 + 29Si14 + 104.309 MeV [21.986 MeV] (A_Ce:87)
136Ce58 + 6 D* --> 120Sn50 + 28Si14 + 104.944 MeV [22.620 MeV] (A_Ce:88)
136Ce58 + 6 D* --> 121Sb51 + 27Al13 + 99.138 MeV [16.814 MeV] (A_Ce:89)
136Ce58 + 6 D* --> 122Te52 + 26Mg12 + 98.875 MeV [16.551 MeV] (A_Ce:90)
136Ce58 + 6 D* --> 123Te52 + 25Mg12 + 94.711 MeV [12.387 MeV] (A_Ce:91)
136Ce58 + 6 D* --> 124Te52 + 24Mg12 + 96.804 MeV [14.481 MeV] (A_Ce:92)
136Ce58 + 6 D* --> 126Xe54 + 22Ne10 + 89.539 MeV [7.216 MeV] (A_Ce:93)
136Ce58 + 6 D* --> 128Xe54 + 20Ne10 + 89.248 MeV [6.924 MeV] (A_Ce:94)
136Ce58 + 6 D* --> 130Ba56 + 18O8 + 80.389 MeV [-1.934 MeV] (A_Ce:95)
136Ce58 + 6 D* --> 132Ba56 + 16O8 + 85.518 MeV [3.194 MeV] (A_Ce:96)
136Ce58 + 6 D* --> 136Ce58 + 12C6 + 78.814 MeV [-3.509 MeV] (A_Ce:97)
136Ce58 + 6 D* --> 144Sm62 + 4He2 + 71.893 MeV [-10.430 MeV] (A_Ce:98)

136Ce58 + 7 D* --> 100Mo42 + 50V23 + 140.888 MeV [43.755 MeV] (A_Ce:99)
136Ce58 + 7 D* --> 110Pd46 + 40K19 + 127.366 MeV [30.233 MeV] (A_Ce:100)
136Ce58 + 7 D* --> 113Cd48 + 37Cl17 + 126.293 MeV [29.160 MeV] (A_Ce:101)
136Ce58 + 7 D* --> 119Sn50 + 31P15 + 119.991 MeV [22.858 MeV] (A_Ce:102)
136Ce58 + 7 D* --> 121Sb51 + 29Si14 + 116.972 MeV [19.839 MeV] (A_Ce:103)
136Ce58 + 7 D* --> 123Te52 + 27Al13 + 111.850 MeV [14.717 MeV] (A_Ce:104)
136Ce58 + 7 D* --> 136Ce58 + 14N7 + 89.087 MeV [-8.046 MeV] (A_Ce:105)
136Ce58 + 7 D* --> 144Sm62 + 6Li3 + 73.367 MeV [-23.766 MeV] (A_Ce:106)

136Ce58 + 8 D* --> 76Ge32 + 76Se34 + 167.083 MeV [54.836 MeV] (A_Ce:107)
136Ce58 + 8 D* --> 76Se34 + 76Ge32 + 167.083 MeV [54.836 MeV] (A_Ce:108)
136Ce58 + 8 D* --> 78Se34 + 74Ge32 + 169.066 MeV [56.819 MeV] (A_Ce:109)
136Ce58 + 8 D* --> 80Se34 + 72Ge32 + 168.963 MeV [56.716 MeV] (A_Ce:110)
136Ce58 + 8 D* --> 82Se34 + 70Ge32 + 166.775 MeV [54.528 MeV] (A_Ce:111)
136Ce58 + 8 D* --> 81Br35 + 71Ga31 + 166.733 MeV [54.486 MeV] (A_Ce:112)
136Ce58 + 8 D* --> 82Kr36 + 70Zn30 + 168.772 MeV [56.525 MeV] (A_Ce:113)
136Ce58 + 8 D* --> 84Kr36 + 68Zn30 + 171.056 MeV [58.809 MeV] (A_Ce:114)
136Ce58 + 8 D* --> 86Kr36 + 66Zn30 + 170.782 MeV [58.535 MeV] (A_Ce:115)
136Ce58 + 8 D* --> 87Rb37 + 65Cu29 + 170.479 MeV [58.232 MeV] (A_Ce:116)
136Ce58 + 8 D* --> 88Sr38 + 64Ni28 + 173.638 MeV [61.391 MeV] (A_Ce:117)
136Ce58 + 8 D* --> 94Zr40 + 58Fe26 + 168.038 MeV [55.791 MeV] (A_Ce:118)
136Ce58 + 8 D* --> 96Zr40 + 56Fe26 + 164.666 MeV [52.419 MeV] (A_Ce:119)
136Ce58 + 8 D* --> 98Mo42 + 54Cr24 + 163.662 MeV [51.415 MeV] (A_Ce:120)
136Ce58 + 8 D* --> 100Mo42 + 52Cr24 + 160.219 MeV [47.972 MeV] (A_Ce:121)
136Ce58 + 8 D* --> 102Ru44 + 50Ti22 + 159.142 MeV [46.895 MeV] (A_Ce:122)
136Ce58 + 8 D* --> 104Ru44 + 48Ti22 + 155.194 MeV [42.947 MeV] (A_Ce:123)

136Ce58 + 8 D* --> 104Pd46 + 48Ca20 + 152.222 MeV [39.975 MeV] (A_Ce:124)
136Ce58 + 8 D* --> 106Pd46 + 46Ca20 + 151.655 MeV [39.408 MeV] (A_Ce:125)
136Ce58 + 8 D* --> 108Pd46 + 44Ca20 + 149.610 MeV [37.363 MeV] (A_Ce:126)
136Ce58 + 8 D* --> 110Pd46 + 42Ca20 + 145.514 MeV [33.267 MeV] (A_Ce:127)
136Ce58 + 8 D* --> 112Cd48 + 40Ar18 + 144.238 MeV [31.991 MeV] (A_Ce:128)
136Ce58 + 8 D* --> 114Cd48 + 38Ar18 + 143.353 MeV [31.106 MeV] (A_Ce:129)
136Ce58 + 8 D* --> 116Cd48 + 36Ar18 + 137.568 MeV [25.321 MeV] (A_Ce:130)
136Ce58 + 8 D* --> 115In49 + 37Cl17 + 139.916 MeV [27.669 MeV] (A_Ce:131)
136Ce58 + 8 D* --> 116Sn50 + 36S16 + 140.810 MeV [28.563 MeV] (A_Ce:132)
136Ce58 + 8 D* --> 118Sn50 + 34S16 + 140.205 MeV [27.958 MeV] (A_Ce:133)
136Ce58 + 8 D* --> 119Sn50 + 33S16 + 135.272 MeV [23.025 MeV] (A_Ce:134)
136Ce58 + 8 D* --> 120Sn50 + 32S16 + 135.738 MeV [23.491 MeV] (A_Ce:135)
136Ce58 + 8 D* --> 121Sb51 + 31P15 + 132.653 MeV [20.406 MeV] (A_Ce:136)
136Ce58 + 8 D* --> 122Te52 + 30Si14 + 133.364 MeV [21.117 MeV] (A_Ce:137)
136Ce58 + 8 D* --> 123Te52 + 29Si14 + 129.684 MeV [17.437 MeV] (A_Ce:138)
136Ce58 + 8 D* --> 124Te52 + 28Si14 + 130.635 MeV [18.388 MeV] (A_Ce:139)
136Ce58 + 8 D* --> 126Xe54 + 26Mg12 + 124.001 MeV [11.754 MeV] (A_Ce:140)
136Ce58 + 8 D* --> 128Xe54 + 24Mg12 + 122.411 MeV [10.164 MeV] (A_Ce:141)
136Ce58 + 8 D* --> 130Ba56 + 22Ne10 + 113.904 MeV [1.657 MeV] (A_Ce:142)
136Ce58 + 8 D* --> 132Ba56 + 20Ne10 + 114.094 MeV [1.847 MeV] (A_Ce:143)
136Ce58 + 8 D* --> 136Ce58 + 16O8 + 109.823 MeV [-2.424 MeV] (A_Ce:144)

136Ce58 + 9 D* --> 81Br35 + 73Ge32 + 181.026 MeV [53.362 MeV] (A_Ce:145)
136Ce58 + 9 D* --> 83Kr36 + 71Ga31 + 181.875 MeV [54.212 MeV] (A_Ce:146)
136Ce58 + 9 D* --> 87Rb37 + 67Zn30 + 184.231 MeV [56.568 MeV] (A_Ce:147)
136Ce58 + 9 D* --> 104Ru44 + 50V23 + 169.064 MeV [41.401 MeV] (A_Ce:148)
136Ce58 + 9 D* --> 113Cd48 + 41K19 + 156.362 MeV [28.698 MeV] (A_Ce:149)
136Ce58 + 9 D* --> 114Cd48 + 40K19 + 155.309 MeV [27.646 MeV] (A_Ce:150)
136Ce58 + 9 D* --> 117Sn50 + 37Cl17 + 153.915 MeV [26.252 MeV] (A_Ce:151)
136Ce58 + 9 D* --> 119Sn50 + 35Cl17 + 150.835 MeV [23.172 MeV] (A_Ce:152)
136Ce58 + 9 D* --> 121Sb51 + 33S16 + 147.934 MeV [20.271 MeV] (A_Ce:153)
136Ce58 + 9 D* --> 123Te52 + 31P15 + 145.366 MeV [17.703 MeV] (A_Ce:154)
136Ce58 + 9 D* --> 144Sm62 + 10B5 + 101.674 MeV [-25.989 MeV] (A_Ce:155)

136Ce58 + 10 D* --> 78Se34 + 78Se34 + 198.941 MeV [55.562 MeV] (A_Ce:156)
136Ce58 + 10 D* --> 80Se34 + 76Se34 + 197.901 MeV [54.522 MeV] (A_Ce:157)
136Ce58 + 10 D* --> 82Se34 + 74Se34 + 194.696 MeV [51.317 MeV] (A_Ce:158)
136Ce58 + 10 D* --> 81Br35 + 75As33 + 195.896 MeV [52.517 MeV] (A_Ce:159)
136Ce58 + 10 D* --> 80Kr36 + 76Ge32 + 195.994 MeV [52.615 MeV] (A_Ce:160)
136Ce58 + 10 D* --> 82Kr36 + 74Ge32 + 198.901 MeV [55.522 MeV] (A_Ce:161)
136Ce58 + 10 D* --> 83Kr36 + 73Ge32 + 196.168 MeV [52.789 MeV] (A_Ce:162)
136Ce58 + 10 D* --> 84Kr36 + 72Ge32 + 199.906 MeV [56.527 MeV] (A_Ce:163)
136Ce58 + 10 D* --> 86Kr36 + 70Ge32 + 198.718 MeV [55.339 MeV] (A_Ce:164)
136Ce58 + 10 D* --> 85Rb37 + 71Ga31 + 197.196 MeV [53.817 MeV] (A_Ce:165)
136Ce58 + 10 D* --> 87Rb37 + 69Ga31 + 198.814 MeV [55.435 MeV] (A_Ce:166)
136Ce58 + 10 D* --> 86Sr38 + 70Zn30 + 198.977 MeV [55.598 MeV] (A_Ce:167)
136Ce58 + 10 D* --> 88Sr38 + 68Zn30 + 202.818 MeV [59.439 MeV] (A_Ce:168)
136Ce58 + 10 D* --> 92Zr40 + 64Ni28 + 200.442 MeV [57.063 MeV] (A_Ce:169)
136Ce58 + 10 D* --> 94Zr40 + 62Ni28 + 198.902 MeV [55.523 MeV] (A_Ce:170)
136Ce58 + 10 D* --> 96Zr40 + 60Ni28 + 194.804 MeV [51.425 MeV] (A_Ce:171)
136Ce58 + 10 D* --> 98Mo42 + 58Fe26 + 195.154 MeV [51.775 MeV] (A_Ce:172)
136Ce58 + 10 D* --> 100Mo42 + 56Fe26 + 191.679 MeV [48.299 MeV] (A_Ce:173)
136Ce58 + 10 D* --> 102Ru44 + 54Cr24 + 190.919 MeV [47.540 MeV] (A_Ce:174)
136Ce58 + 10 D* --> 104Ru44 + 52Cr24 + 188.395 MeV [45.016 MeV] (A_Ce:175)

136Ce58 + 10 D* --> 106Pd46 + 50Ti22 + 186.218 MeV [42.839 MeV] (A_Ce:176)
136Ce58 + 10 D* --> 108Pd46 + 48Ti22 + 182.901 MeV [39.522 MeV] (A_Ce:177)
136Ce58 + 10 D* --> 110Pd46 + 46Ti22 + 177.361 MeV [33.982 MeV] (A_Ce:178)
136Ce58 + 10 D* --> 108Cd48 + 48Ca20 + 178.355 MeV [34.976 MeV] (A_Ce:179)
136Ce58 + 10 D* --> 110Cd48 + 46Ca20 + 178.377 MeV [34.998 MeV] (A_Ce:180)
136Ce58 + 10 D* --> 112Cd48 + 44Ca20 + 176.938 MeV [33.559 MeV] (A_Ce:181)
136Ce58 + 10 D* --> 113Cd48 + 43Ca20 + 172.347 MeV [28.968 MeV] (A_Ce:182)
136Ce58 + 10 D* --> 114Cd48 + 42Ca20 + 173.457 MeV [30.078 MeV] (A_Ce:183)
136Ce58 + 10 D* --> 116Cd48 + 40Ca20 + 168.455 MeV [25.075 MeV] (A_Ce:184)
136Ce58 + 10 D* --> 115In49 + 41K19 + 169.985 MeV [26.606 MeV] (A_Ce:185)
136Ce58 + 10 D* --> 116Sn50 + 40Ar18 + 171.457 MeV [28.078 MeV] (A_Ce:186)
136Ce58 + 10 D* --> 118Sn50 + 38Ar18 + 171.259 MeV [27.880 MeV] (A_Ce:187)
136Ce58 + 10 D* --> 120Sn50 + 36Ar18 + 166.225 MeV [22.846 MeV] (A_Ce:188)
136Ce58 + 10 D* --> 121Sb51 + 35Cl17 + 163.498 MeV [20.118 MeV] (A_Ce:189)
136Ce58 + 10 D* --> 120Te52 + 36S16 + 164.958 MeV [21.578 MeV] (A_Ce:190)
136Ce58 + 10 D* --> 122Te52 + 34S16 + 165.135 MeV [21.756 MeV] (A_Ce:191)
136Ce58 + 10 D* --> 123Te52 + 33S16 + 160.647 MeV [17.268 MeV] (A_Ce:192)
136Ce58 + 10 D* --> 124Te52 + 32S16 + 161.429 MeV [18.050 MeV] (A_Ce:193)
136Ce58 + 10 D* --> 126Xe54 + 30Si14 + 158.490 MeV [15.111 MeV] (A_Ce:194)
136Ce58 + 10 D* --> 128Xe54 + 28Si14 + 156.242 MeV [12.863 MeV] (A_Ce:195)
136Ce58 + 10 D* --> 130Ba56 + 26Mg12 + 148.365 MeV [4.986 MeV] (A_Ce:196)
136Ce58 + 10 D* --> 132Ba56 + 24Mg12 + 147.257 MeV [3.878 MeV] (A_Ce:197)
136Ce58 + 10 D* --> 136Ce58 + 20Ne10 + 138.399 MeV [-4.980 MeV] (A_Ce:198)
136Ce58 + 10 D* --> 144Sm62 + 12C6 + 126.861 MeV [-16.518 MeV] (A_Ce:199)

136Ce58 + 11 D* --> 81Br35 + 77Se34 + 210.599 MeV [51.206 MeV] (A_Ce:200)
136Ce58 + 11 D* --> 83Kr36 + 75As33 + 211.039 MeV [51.646 MeV] (A_Ce:201)
136Ce58 + 11 D* --> 85Rb37 + 73Ge32 + 211.489 MeV [52.097 MeV] (A_Ce:202)
136Ce58 + 11 D* --> 87Sr38 + 71Ga31 + 213.045 MeV [53.653 MeV] (A_Ce:203)
136Ce58 + 11 D* --> 108Pd46 + 50V23 + 196.770 MeV [37.378 MeV] (A_Ce:204)
136Ce58 + 11 D* --> 109Ag47 + 49Ti22 + 195.306 MeV [35.913 MeV] (A_Ce:205)
136Ce58 + 11 D* --> 113Cd48 + 45Sc21 + 188.142 MeV [28.749 MeV] (A_Ce:206)
136Ce58 + 11 D* --> 115In49 + 43Ca20 + 185.970 MeV [26.577 MeV] (A_Ce:207)
136Ce58 + 11 D* --> 117Sn50 + 41K19 + 183.984 MeV [24.591 MeV] (A_Ce:208)
136Ce58 + 11 D* --> 118Sn50 + 40K19 + 183.216 MeV [23.823 MeV] (A_Ce:209)
136Ce58 + 11 D* --> 119Sn50 + 39K19 + 181.900 MeV [22.507 MeV] (A_Ce:210)
136Ce58 + 11 D* --> 123Te52 + 35Cl17 + 176.210 MeV [16.817 MeV] (A_Ce:211)
136Ce58 + 11 D* --> 144Sm62 + 14N7 + 137.133 MeV [-22.260 MeV] (A_Ce:212)

136Ce58 + 12 D* --> 80Se34 + 80Kr36 + 226.813 MeV [51.111 MeV] (A_Ce:213)
136Ce58 + 12 D* --> 82Se34 + 78Kr36 + 222.934 MeV [47.232 MeV] (A_Ce:214)
136Ce58 + 12 D* --> 81Br35 + 79Br35 + 225.204 MeV [49.502 MeV] (A_Ce:215)
136Ce58 + 12 D* --> 80Kr36 + 80Se34 + 226.813 MeV [51.111 MeV] (A_Ce:216)
136Ce58 + 12 D* --> 82Kr36 + 78Se34 + 228.776 MeV [53.074 MeV] (A_Ce:217)
136Ce58 + 12 D* --> 83Kr36 + 77Se34 + 225.742 MeV [50.040 MeV] (A_Ce:218)
136Ce58 + 12 D* --> 84Kr36 + 76Se34 + 228.843 MeV [53.142 MeV] (A_Ce:219)
136Ce58 + 12 D* --> 86Kr36 + 74Se34 + 226.639 MeV [50.937 MeV] (A_Ce:220)
136Ce58 + 12 D* --> 85Rb37 + 75As33 + 226.360 MeV [50.658 MeV] (A_Ce:221)
136Ce58 + 12 D* --> 84Sr38 + 76Ge32 + 225.017 MeV [49.315 MeV] (A_Ce:222)
136Ce58 + 12 D* --> 86Sr38 + 74Ge32 + 229.106 MeV [53.405 MeV] (A_Ce:223)
136Ce58 + 12 D* --> 87Sr38 + 73Ge32 + 227.338 MeV [51.637 MeV] (A_Ce:224)
136Ce58 + 12 D* --> 88Sr38 + 72Ge32 + 231.668 MeV [55.966 MeV] (A_Ce:225)
136Ce58 + 12 D* --> 89Y39 + 71Ga31 + 229.002 MeV [53.301 MeV] (A_Ce:226)
136Ce58 + 12 D* --> 90Zr40 + 70Zn30 + 229.492 MeV [53.790 MeV] (A_Ce:227)

136Ce58 + 12 D* --> 92Zr40 + 68Zn30 + 229.621 MeV [53.920 MeV] (A_Ce:228)
136Ce58 + 12 D* --> 94Zr40 + 66Zn30 + 227.327 MeV [51.625 MeV] (A_Ce:229)
136Ce58 + 12 D* --> 96Zr40 + 64Zn30 + 222.607 MeV [46.905 MeV] (A_Ce:230)
136Ce58 + 12 D* --> 96Mo42 + 64Ni28 + 227.050 MeV [51.348 MeV] (A_Ce:231)
136Ce58 + 12 D* --> 98Mo42 + 62Ni28 + 226.018 MeV [50.316 MeV] (A_Ce:232)
136Ce58 + 12 D* --> 100Mo42 + 60Ni28 + 221.817 MeV [46.115 MeV] (A_Ce:233)
136Ce58 + 12 D* --> 102Ru44 + 58Fe26 + 222.412 MeV [46.710 MeV] (A_Ce:234)
136Ce58 + 12 D* --> 104Ru44 + 56Fe26 + 219.855 MeV [44.153 MeV] (A_Ce:235)
136Ce58 + 12 D* --> 106Pd46 + 54Cr24 + 217.995 MeV [42.294 MeV] (A_Ce:236)
136Ce58 + 12 D* --> 108Pd46 + 52Cr24 + 216.102 MeV [40.400 MeV] (A_Ce:237)
136Ce58 + 12 D* --> 110Pd46 + 50Cr24 + 209.769 MeV [34.067 MeV] (A_Ce:238)
136Ce58 + 12 D* --> 109Ag47 + 51V23 + 212.084 MeV [36.383 MeV] (A_Ce:239)
136Ce58 + 12 D* --> 110Cd48 + 50Ti22 + 212.940 MeV [37.238 MeV] (A_Ce:240)
136Ce58 + 12 D* --> 111Cd48 + 49Ti22 + 208.977 MeV [33.275 MeV] (A_Ce:241)
136Ce58 + 12 D* --> 112Cd48 + 48Ti22 + 210.229 MeV [34.527 MeV] (A_Ce:242)
136Ce58 + 12 D* --> 113Cd48 + 47Ti22 + 205.142 MeV [29.440 MeV] (A_Ce:243)
136Ce58 + 12 D* --> 114Cd48 + 46Ti22 + 205.305 MeV [29.603 MeV] (A_Ce:244)
136Ce58 + 12 D* --> 115In49 + 45Sc21 + 201.765 MeV [26.063 MeV] (A_Ce:245)
136Ce58 + 12 D* --> 112Sn50 + 48Ca20 + 204.036 MeV [28.334 MeV] (A_Ce:246)
136Ce58 + 12 D* --> 114Sn50 + 46Ca20 + 204.856 MeV [29.155 MeV] (A_Ce:247)
136Ce58 + 12 D* --> 116Sn50 + 44Ca20 + 204.157 MeV [28.455 MeV] (A_Ce:248)
136Ce58 + 12 D* --> 117Sn50 + 43Ca20 + 199.969 MeV [24.267 MeV] (A_Ce:249)
136Ce58 + 12 D* --> 118Sn50 + 42Ca20 + 201.363 MeV [25.662 MeV] (A_Ce:250)
136Ce58 + 12 D* --> 120Sn50 + 40Ca20 + 197.112 MeV [21.410 MeV] (A_Ce:251)
136Ce58 + 12 D* --> 121Sb51 + 39K19 + 194.562 MeV [18.861 MeV] (A_Ce:252)
136Ce58 + 12 D* --> 120Te52 + 40Ar18 + 195.605 MeV [19.903 MeV] (A_Ce:253)
136Ce58 + 12 D* --> 122Te52 + 38Ar18 + 196.189 MeV [20.487 MeV] (A_Ce:254)
136Ce58 + 12 D* --> 124Te52 + 36Ar18 + 191.916 MeV [16.215 MeV] (A_Ce:255)
136Ce58 + 12 D* --> 124Xe54 + 36S16 + 189.485 MeV [13.783 MeV] (A_Ce:256)
136Ce58 + 12 D* --> 126Xe54 + 34S16 + 190.261 MeV [14.559 MeV] (A_Ce:257)
136Ce58 + 12 D* --> 128Xe54 + 32S16 + 187.036 MeV [11.334 MeV] (A_Ce:258)
136Ce58 + 12 D* --> 130Ba56 + 30Si14 + 182.855 MeV [7.153 MeV] (A_Ce:259)
136Ce58 + 12 D* --> 132Ba56 + 28Si14 + 181.088 MeV [5.386 MeV] (A_Ce:260)
136Ce58 + 12 D* --> 136Ce58 + 24Mg12 + 171.562 MeV [-4.140 MeV] (A_Ce:261)
136Ce58 + 12 D* --> 144Sm62 + 16O8 + 157.869 MeV [-17.832 MeV] (A_Ce:262)

138Ce58 + D* --> 123Sb51 + 17O8 + 15.600 MeV [2.732 MeV] (A_Ce:263)
138Ce58 + D* --> 125Te52 + 15N7 + 14.488 MeV [1.620 MeV] (A_Ce:264)
138Ce58 + D* --> 126Te52 + 14N7 + 12.768 MeV [-0.099 MeV] (A_Ce:265)
138Ce58 + D* --> 127I53 + 13C6 + 11.425 MeV [-1.442 MeV] (A_Ce:266)
138Ce58 + D* --> 129Xe54 + 11B5 + 5.597 MeV [-7.271 MeV] (A_Ce:267)
138Ce58 + D* --> 130Xe54 + 10B5 + 3.398 MeV [-9.470 MeV] (A_Ce:268)
138Ce58 + D* --> 134Ba56 + 6Li3 + 00.430 MeV [-12.438 MeV] (A_Ce:269)

138Ce58 + 2 D* --> 94Zr40 + 48Ca20 + 70.184 MeV [44.128 MeV] (A_Ce:270)
138Ce58 + 2 D* --> 96Zr40 + 46Ca20 + 67.281 MeV [41.225 MeV] (A_Ce:271)
138Ce58 + 2 D* --> 116Cd48 + 26Mg12 + 43.637 MeV [17.581 MeV] (A_Ce:272)
138Ce58 + 2 D* --> 120Sn50 + 22Ne10 + 37.833 MeV [11.777 MeV] (A_Ce:273)
138Ce58 + 2 D* --> 122Sn50 + 20Ne10 + 35.691 MeV [9.635 MeV] (A_Ce:274)
138Ce58 + 2 D* --> 123Sb51 + 19F9 + 29.414 MeV [3.359 MeV] (A_Ce:275)
138Ce58 + 2 D* --> 124Te52 + 18O8 + 30.009 MeV [3.953 MeV] (A_Ce:276)
138Ce58 + 2 D* --> 125Te52 + 17O8 + 28.534 MeV [2.478 MeV] (A_Ce:277)
138Ce58 + 2 D* --> 126Te52 + 16O8 + 33.504 MeV [7.449 MeV] (A_Ce:278)
138Ce58 + 2 D* --> 127I53 + 15N7 + 27.585 MeV [1.529 MeV] (A_Ce:279)

138Ce58 + 2 D* --> 129Xe54 + 13C6 + 24.275 MeV [-1.781 MeV] (A_Ce:280)
138Ce58 + 2 D* --> 130Xe54 + 12C6 + 28.585 MeV [2.529 MeV] (A_Ce:281)
138Ce58 + 2 D* --> 138Ce58 + 4He2 + 23.847 MeV [-2.209 MeV] (A_Ce:282)
138Ce58 + 2 D* --> 141Pr59 + 1H1 + 17.435 MeV [-8.621 MeV] (A_Ce:283)
138Ce58 + 2 D* --> 142Nd60 + 24.658 MeV [-1.398 MeV] (A_Ce:284)

138Ce58 + 3 D* --> 123Sb51 + 21Ne10 + 46.795 MeV [7.233 MeV] (A_Ce:285)
138Ce58 + 3 D* --> 125Te52 + 19F9 + 42.348 MeV [2.787 MeV] (A_Ce:286)
138Ce58 + 3 D* --> 127I53 + 17O8 + 41.631 MeV [2.069 MeV] (A_Ce:287)
138Ce58 + 3 D* --> 129Xe54 + 15N7 + 40.435 MeV [00.873 MeV] (A_Ce:288)
138Ce58 + 3 D* --> 130Xe54 + 14N7 + 38.857 MeV [-0.704 MeV] (A_Ce:289)
138Ce58 + 3 D* --> 134Ba56 + 10B5 + 28.738 MeV [-10.824 MeV] (A_Ce:290)
138Ce58 + 3 D* --> 138Ce58 + 6Li3 + 25.320 MeV [-14.241 MeV] (A_Ce:291)
138Ce58 + 3 D* --> 141Pr59 + 3He2 + 22.928 MeV [-16.633 MeV] (A_Ce:292)
138Ce58 + 3 D* --> 142Nd60 + 2H1 + 24.658 MeV [-14.903 MeV] (A_Ce:293)
138Ce58 + 3 D* --> 143Nd60 + 1H1 + 28.557 MeV [-11.004 MeV] (A_Ce:294)

138Ce58 + 4 D* --> 76Ge32 + 70Zn30 + 107.752 MeV [54.370 MeV] (A_Ce:295)
138Ce58 + 4 D* --> 82Se34 + 64Ni28 + 109.668 MeV [56.286 MeV] (A_Ce:296)
138Ce58 + 4 D* --> 96Zr40 + 50Ti22 + 101.844 MeV [48.462 MeV] (A_Ce:297)
138Ce58 + 4 D* --> 98Mo42 + 48Ca20 + 97.300 MeV [43.919 MeV] (A_Ce:298)
138Ce58 + 4 D* --> 100Mo42 + 46Ca20 + 94.294 MeV [40.912 MeV] (A_Ce:299)
138Ce58 + 4 D* --> 110Pd46 + 36S16 + 83.988 MeV [30.606 MeV] (A_Ce:300)
138Ce58 + 4 D* --> 116Cd48 + 30Si14 + 78.127 MeV [24.745 MeV] (A_Ce:301)
138Ce58 + 4 D* --> 120Sn50 + 26Mg12 + 72.294 MeV [18.912 MeV] (A_Ce:302)
138Ce58 + 4 D* --> 122Sn50 + 24Mg12 + 68.854 MeV [15.472 MeV] (A_Ce:303)
138Ce58 + 4 D* --> 123Sb51 + 23Na11 + 63.728 MeV [10.347 MeV] (A_Ce:304)
138Ce58 + 4 D* --> 124Te52 + 22Ne10 + 63.524 MeV [10.142 MeV] (A_Ce:305)
138Ce58 + 4 D* --> 125Te52 + 21Ne10 + 59.728 MeV [6.347 MeV] (A_Ce:306)
138Ce58 + 4 D* --> 126Te52 + 20Ne10 + 62.081 MeV [8.699 MeV] (A_Ce:307)
138Ce58 + 4 D* --> 127I53 + 19F9 + 55.445 MeV [2.063 MeV] (A_Ce:308)
138Ce58 + 4 D* --> 128Xe54 + 18O8 + 55.616 MeV [2.234 MeV] (A_Ce:309)
138Ce58 + 4 D* --> 129Xe54 + 17O8 + 54.481 MeV [1.099 MeV] (A_Ce:310)
138Ce58 + 4 D* --> 130Xe54 + 16O8 + 59.593 MeV [6.212 MeV] (A_Ce:311)
138Ce58 + 4 D* --> 134Ba56 + 12C6 + 53.924 MeV [00.543 MeV] (A_Ce:312)
138Ce58 + 4 D* --> 142Nd60 + 4He2 + 48.505 MeV [-4.877 MeV] (A_Ce:313)
138Ce58 + 4 D* --> 143Nd60 + 3He2 + 34.051 MeV [-19.331 MeV] (A_Ce:314)

138Ce58 + 5 D* --> 123Sb51 + 25Mg12 + 80.527 MeV [13.013 MeV] (A_Ce:315)
138Ce58 + 5 D* --> 125Te52 + 23Na11 + 76.662 MeV [9.148 MeV] (A_Ce:316)
138Ce58 + 5 D* --> 127I53 + 21Ne10 + 72.825 MeV [5.311 MeV] (A_Ce:317)
138Ce58 + 5 D* --> 129Xe54 + 19F9 + 68.295 MeV [00.781 MeV] (A_Ce:318)
138Ce58 + 5 D* --> 134Ba56 + 14N7 + 64.197 MeV [-3.317 MeV] (A_Ce:319)
138Ce58 + 5 D* --> 138Ce58 + 10B5 + 53.628 MeV [-13.886 MeV] (A_Ce:320)
138Ce58 + 5 D* --> 142Nd60 + 6Li3 + 49.978 MeV [-17.535 MeV] (A_Ce:321)
138Ce58 + 5 D* --> 147Sm62 + 1H1 + 50.093 MeV [-17.421 MeV] (A_Ce:322)

138Ce58 + 6 D* --> 76Ge32 + 74Ge32 + 137.881 MeV [55.925 MeV] (A_Ce:323)
138Ce58 + 6 D* --> 80Se34 + 70Zn30 + 138.570 MeV [56.614 MeV] (A_Ce:324)
138Ce58 + 6 D* --> 82Se34 + 68Zn30 + 138.847 MeV [56.891 MeV] (A_Ce:325)
138Ce58 + 6 D* --> 86Kr36 + 64Ni28 + 141.611 MeV [59.655 MeV] (A_Ce:326)
138Ce58 + 6 D* --> 96Zr40 + 54Cr24 + 133.621 MeV [51.665 MeV] (A_Ce:327)
138Ce58 + 6 D* --> 100Mo42 + 50Ti22 + 128.857 MeV [46.901 MeV] (A_Ce:328)
138Ce58 + 6 D* --> 102Ru44 + 48Ca20 + 124.558 MeV [42.602 MeV] (A_Ce:329)

138Ce58 + 6 D* --> 104Ru44 + 46Ca20 + 122.470 MeV [40.514 MeV] (A_Ce:330)
138Ce58 + 6 D* --> 110Pd46 + 40Ar18 + 114.635 MeV [32.679 MeV] (A_Ce:331)
138Ce58 + 6 D* --> 114Cd48 + 36S16 + 111.931 MeV [29.975 MeV] (A_Ce:332)
138Ce58 + 6 D* --> 116Cd48 + 34S16 + 109.897 MeV [27.941 MeV] (A_Ce:333)
138Ce58 + 6 D* --> 120Sn50 + 30Si14 + 106.784 MeV [24.828 MeV] (A_Ce:334)
138Ce58 + 6 D* --> 122Sn50 + 28Si14 + 102.685 MeV [20.729 MeV] (A_Ce:335)
138Ce58 + 6 D* --> 123Sb51 + 27Al13 + 97.667 MeV [15.711 MeV] (A_Ce:336)
138Ce58 + 6 D* --> 124Te52 + 26Mg12 + 97.985 MeV [16.029 MeV] (A_Ce:337)
138Ce58 + 6 D* --> 125Te52 + 25Mg12 + 93.461 MeV [11.505 MeV] (A_Ce:338)
138Ce58 + 6 D* --> 126Te52 + 24Mg12 + 95.244 MeV [13.288 MeV] (A_Ce:339)
138Ce58 + 6 D* --> 127I53 + 23Na11 + 89.759 MeV [7.803 MeV] (A_Ce:340)
138Ce58 + 6 D* --> 128Xe54 + 22Ne10 + 89.131 MeV [7.175 MeV] (A_Ce:341)
138Ce58 + 6 D* --> 129Xe54 + 21Ne10 + 85.675 MeV [3.719 MeV] (A_Ce:342)
138Ce58 + 6 D* --> 130Xe54 + 20Ne10 + 88.169 MeV [6.213 MeV] (A_Ce:343)
138Ce58 + 6 D* --> 132Ba56 + 18O8 + 80.462 MeV [-1.494 MeV] (A_Ce:344)
138Ce58 + 6 D* --> 134Ba56 + 16O8 + 84.933 MeV [2.977 MeV] (A_Ce:345)
138Ce58 + 6 D* --> 138Ce58 + 12C6 + 78.814 MeV [-3.142 MeV] (A_Ce:346)
138Ce58 + 6 D* --> 147Sm62 + 3He2 + 55.587 MeV [-26.369 MeV] (A_Ce:347)

138Ce58 + 7 D* --> 123Sb51 + 29Si14 + 115.501 MeV [18.796 MeV] (A_Ce:348)
138Ce58 + 7 D* --> 125Te52 + 27Al13 + 110.600 MeV [13.895 MeV] (A_Ce:349)
138Ce58 + 7 D* --> 127I53 + 25Mg12 + 106.557 MeV [9.852 MeV] (A_Ce:350)
138Ce58 + 7 D* --> 129Xe54 + 23Na11 + 102.609 MeV [5.904 MeV] (A_Ce:351)
138Ce58 + 7 D* --> 138Ce58 + 14N7 + 89.087 MeV [-7.618 MeV] (A_Ce:352)
138Ce58 + 7 D* --> 142Nd60 + 10B5 + 78.286 MeV [-18.419 MeV] (A_Ce:353)

138Ce58 + 8 D* --> 78Se34 + 76Ge32 + 167.756 MeV [55.997 MeV] (A_Ce:354)
138Ce58 + 8 D* --> 80Se34 + 74Ge32 + 168.700 MeV [56.941 MeV] (A_Ce:355)
138Ce58 + 8 D* --> 82Se34 + 72Ge32 + 167.697 MeV [55.938 MeV] (A_Ce:356)
138Ce58 + 8 D* --> 84Kr36 + 70Zn30 + 169.513 MeV [57.754 MeV] (A_Ce:357)
138Ce58 + 8 D* --> 86Kr36 + 68Zn30 + 170.790 MeV [59.031 MeV] (A_Ce:358)
138Ce58 + 8 D* --> 96Zr40 + 58Fe26 + 165.113 MeV [53.355 MeV] (A_Ce:359)
138Ce58 + 8 D* --> 100Mo42 + 54Cr24 + 160.634 MeV [48.875 MeV] (A_Ce:360)
138Ce58 + 8 D* --> 104Ru44 + 50Ti22 + 157.033 MeV [45.274 MeV] (A_Ce:361)
138Ce58 + 8 D* --> 106Pd46 + 48Ca20 + 151.634 MeV [39.875 MeV] (A_Ce:362)
138Ce58 + 8 D* --> 108Pd46 + 46Ca20 + 150.177 MeV [38.418 MeV] (A_Ce:363)
138Ce58 + 8 D* --> 110Pd46 + 44Ca20 + 147.335 MeV [35.576 MeV] (A_Ce:364)
138Ce58 + 8 D* --> 114Cd48 + 40Ar18 + 142.578 MeV [30.819 MeV] (A_Ce:365)
138Ce58 + 8 D* --> 116Cd48 + 38Ar18 + 140.951 MeV [29.192 MeV] (A_Ce:366)
138Ce58 + 8 D* --> 118Sn50 + 36S16 + 139.837 MeV [28.078 MeV] (A_Ce:367)
138Ce58 + 8 D* --> 120Sn50 + 34S16 + 138.554 MeV [26.795 MeV] (A_Ce:368)
138Ce58 + 8 D* --> 122Sn50 + 32S16 + 133.479 MeV [21.720 MeV] (A_Ce:369)
138Ce58 + 8 D* --> 123Sb51 + 31P15 + 131.182 MeV [19.423 MeV] (A_Ce:370)
138Ce58 + 8 D* --> 124Te52 + 30Si14 + 132.475 MeV [20.716 MeV] (A_Ce:371)
138Ce58 + 8 D* --> 125Te52 + 29Si14 + 128.435 MeV [16.676 MeV] (A_Ce:372)
138Ce58 + 8 D* --> 126Te52 + 28Si14 + 129.075 MeV [17.316 MeV] (A_Ce:373)
138Ce58 + 8 D* --> 127I53 + 27Al13 + 123.697 MeV [11.938 MeV] (A_Ce:374)
138Ce58 + 8 D* --> 128Xe54 + 26Mg12 + 123.592 MeV [11.833 MeV] (A_Ce:375)
138Ce58 + 8 D* --> 129Xe54 + 25Mg12 + 119.407 MeV [7.649 MeV] (A_Ce:376)
138Ce58 + 8 D* --> 130Xe54 + 24Mg12 + 121.333 MeV [9.574 MeV] (A_Ce:377)
138Ce58 + 8 D* --> 132Ba56 + 22Ne10 + 113.977 MeV [2.218 MeV] (A_Ce:378)
138Ce58 + 8 D* --> 134Ba56 + 20Ne10 + 113.509 MeV [1.750 MeV] (A_Ce:379)
138Ce58 + 8 D* --> 136Ce58 + 18O8 + 104.767 MeV [-6.992 MeV] (A_Ce:380)
138Ce58 + 8 D* --> 138Ce58 + 16O8 + 109.823 MeV [-1.936 MeV] (A_Ce:381)

138Ce58 + 8 D* --> 142Nd60 + 12C6 + 103.472 MeV [-8.286 MeV] (A_Ce:382)

138Ce58 + 9 D* --> 116Cd48 + 40K19 + 152.908 MeV [25.792 MeV] (A_Ce:383)
138Ce58 + 9 D* --> 119Sn50 + 37Cl17 + 152.483 MeV [25.368 MeV] (A_Ce:384)
138Ce58 + 9 D* --> 123Sb51 + 33S16 + 146.463 MeV [19.348 MeV] (A_Ce:385)
138Ce58 + 9 D* --> 125Te52 + 31P15 + 144.116 MeV [17.001 MeV] (A_Ce:386)
138Ce58 + 9 D* --> 127I53 + 29Si14 + 141.531 MeV [14.416 MeV] (A_Ce:387)
138Ce58 + 9 D* --> 129Xe54 + 27Al13 + 136.547 MeV [9.432 MeV] (A_Ce:388)
138Ce58 + 9 D* --> 142Nd60 + 14N7 + 113.745 MeV [-13.370 MeV] (A_Ce:389)

138Ce58 + 10 D* --> 80Se34 + 78Se34 + 198.575 MeV [55.803 MeV] (A_Ce:390)
138Ce58 + 10 D* --> 82Se34 + 76Se34 + 196.635 MeV [53.863 MeV] (A_Ce:391)
138Ce58 + 10 D* --> 82Kr36 + 76Ge32 + 197.591 MeV [54.820 MeV] (A_Ce:392)
138Ce58 + 10 D* --> 84Kr36 + 74Ge32 + 199.642 MeV [56.871 MeV] (A_Ce:393)
138Ce58 + 10 D* --> 86Kr36 + 72Ge32 + 199.640 MeV [56.869 MeV] (A_Ce:394)
138Ce58 + 10 D* --> 87Rb37 + 71Ga31 + 198.527 MeV [55.755 MeV] (A_Ce:395)
138Ce58 + 10 D* --> 88Sr38 + 70Zn30 + 201.275 MeV [58.504 MeV] (A_Ce:396)
138Ce58 + 10 D* --> 94Zr40 + 64Ni28 + 198.155 MeV [55.383 MeV] (A_Ce:397)
138Ce58 + 10 D* --> 96Zr40 + 62Ni28 + 195.978 MeV [53.206 MeV] (A_Ce:398)
138Ce58 + 10 D* --> 100Mo42 + 58Fe26 + 192.126 MeV [49.355 MeV] (A_Ce:399)
138Ce58 + 10 D* --> 104Ru44 + 54Cr24 + 188.810 MeV [46.039 MeV] (A_Ce:400)
138Ce58 + 10 D* --> 108Pd46 + 50Ti22 + 184.740 MeV [41.968 MeV] (A_Ce:401)
138Ce58 + 10 D* --> 110Pd46 + 48Ti22 + 180.626 MeV [37.854 MeV] (A_Ce:402)
138Ce58 + 10 D* --> 110Cd48 + 48Ca20 + 178.356 MeV [35.584 MeV] (A_Ce:403)
138Ce58 + 10 D* --> 112Cd48 + 46Ca20 + 177.504 MeV [34.733 MeV] (A_Ce:404)
138Ce58 + 10 D* --> 114Cd48 + 44Ca20 + 175.278 MeV [32.507 MeV] (A_Ce:405)
138Ce58 + 10 D* --> 116Cd48 + 42Ca20 + 171.055 MeV [28.284 MeV] (A_Ce:406)
138Ce58 + 10 D* --> 118Sn50 + 40Ar18 + 170.485 MeV [27.713 MeV] (A_Ce:407)
138Ce58 + 10 D* --> 120Sn50 + 38Ar18 + 169.608 MeV [26.837 MeV] (A_Ce:408)
138Ce58 + 10 D* --> 122Sn50 + 36Ar18 + 163.966 MeV [21.195 MeV] (A_Ce:409)
138Ce58 + 10 D* --> 121Sb51 + 37Cl17 + 165.145 MeV [22.374 MeV] (A_Ce:410)
138Ce58 + 10 D* --> 123Sb51 + 35Cl17 + 162.026 MeV [19.255 MeV] (A_Ce:411)
138Ce58 + 10 D* --> 122Te52 + 36S16 + 164.767 MeV [21.995 MeV] (A_Ce:412)
138Ce58 + 10 D* --> 124Te52 + 34S16 + 164.245 MeV [21.474 MeV] (A_Ce:413)
138Ce58 + 10 D* --> 125Te52 + 33S16 + 159.397 MeV [16.625 MeV] (A_Ce:414)
138Ce58 + 10 D* --> 126Te52 + 32S16 + 159.869 MeV [17.097 MeV] (A_Ce:415)
138Ce58 + 10 D* --> 127I53 + 31P15 + 157.213 MeV [14.441 MeV] (A_Ce:416)
138Ce58 + 10 D* --> 128Xe54 + 30Si14 + 158.082 MeV [15.310 MeV] (A_Ce:417)
138Ce58 + 10 D* --> 129Xe54 + 29Si14 + 154.381 MeV [11.610 MeV] (A_Ce:418)
138Ce58 + 10 D* --> 130Xe54 + 28Si14 + 155.163 MeV [12.392 MeV] (A_Ce:419)
138Ce58 + 10 D* --> 132Ba56 + 26Mg12 + 148.438 MeV [5.667 MeV] (A_Ce:420)
138Ce58 + 10 D* --> 134Ba56 + 24Mg12 + 146.672 MeV [3.901 MeV] (A_Ce:421)
138Ce58 + 10 D* --> 136Ce58 + 22Ne10 + 138.282 MeV [-4.490 MeV] (A_Ce:422)
138Ce58 + 10 D* --> 138Ce58 + 20Ne10 + 138.399 MeV [-4.372 MeV] (A_Ce:423)
138Ce58 + 10 D* --> 142Nd60 + 16O8 + 134.481 MeV [-8.291 MeV] (A_Ce:424)

138Ce58 + 11 D* --> 87Rb37 + 73Ge32 + 212.820 MeV [54.094 MeV] (A_Ce:425)
138Ce58 + 11 D* --> 110Pd46 + 50V23 + 194.495 MeV [35.769 MeV] (A_Ce:426)
138Ce58 + 11 D* --> 119Sn50 + 41K19 + 182.552 MeV [23.826 MeV] (A_Ce:427)
138Ce58 + 11 D* --> 120Sn50 + 40K19 + 181.565 MeV [22.839 MeV] (A_Ce:428)
138Ce58 + 11 D* --> 123Te52 + 37Cl17 + 177.858 MeV [19.132 MeV] (A_Ce:429)
138Ce58 + 11 D* --> 125Te52 + 35Cl17 + 174.960 MeV [16.234 MeV] (A_Ce:430)
138Ce58 + 11 D* --> 127I53 + 33S16 + 172.494 MeV [13.768 MeV] (A_Ce:431)
138Ce58 + 11 D* --> 129Xe54 + 31P15 + 170.063 MeV [11.337 MeV] (A_Ce:432)

138Ce58 + 12 D* --> 82Se34 + 80Kr36 + 225.547 MeV [50.571 MeV] (A_Ce:433)
138Ce58 + 12 D* --> 81Br35 + 81Br35 + 226.010 MeV [51.034 MeV] (A_Ce:434)
138Ce58 + 12 D* --> 82Kr36 + 80Se34 + 228.410 MeV [53.434 MeV] (A_Ce:435)
138Ce58 + 12 D* --> 84Kr36 + 78Se34 + 229.517 MeV [54.541 MeV] (A_Ce:436)
138Ce58 + 12 D* --> 86Kr36 + 76Se34 + 228.578 MeV [53.602 MeV] (A_Ce:437)
138Ce58 + 12 D* --> 87Rb37 + 75As33 + 227.690 MeV [52.715 MeV] (A_Ce:438)
138Ce58 + 12 D* --> 86Sr38 + 76Ge32 + 227.797 MeV [52.821 MeV] (A_Ce:439)
138Ce58 + 12 D* --> 88Sr38 + 74Ge32 + 231.404 MeV [56.429 MeV] (A_Ce:440)
138Ce58 + 12 D* --> 92Zr40 + 70Zn30 + 228.079 MeV [53.103 MeV] (A_Ce:441)
138Ce58 + 12 D* --> 94Zr40 + 68Zn30 + 227.334 MeV [52.358 MeV] (A_Ce:442)
138Ce58 + 12 D* --> 96Zr40 + 66Zn30 + 224.402 MeV [49.427 MeV] (A_Ce:443)
138Ce58 + 12 D* --> 98Mo42 + 64Ni28 + 225.271 MeV [50.295 MeV] (A_Ce:444)
138Ce58 + 12 D* --> 100Mo42 + 62Ni28 + 222.991 MeV [48.015 MeV] (A_Ce:445)
138Ce58 + 12 D* --> 104Ru44 + 58Fe26 + 220.302 MeV [45.327 MeV] (A_Ce:446)
138Ce58 + 12 D* --> 108Pd46 + 54Cr24 + 216.517 MeV [41.541 MeV] (A_Ce:447)
138Ce58 + 12 D* --> 110Pd46 + 52Cr24 + 213.826 MeV [38.851 MeV] (A_Ce:448)
138Ce58 + 12 D* --> 112Cd48 + 50Ti22 + 212.067 MeV [37.092 MeV] (A_Ce:449)
138Ce58 + 12 D* --> 113Cd48 + 49Ti22 + 207.668 MeV [32.692 MeV] (A_Ce:450)
138Ce58 + 12 D* --> 114Cd48 + 48Ti22 + 208.569 MeV [33.593 MeV] (A_Ce:451)
138Ce58 + 12 D* --> 116Cd48 + 46Ti22 + 202.903 MeV [27.927 MeV] (A_Ce:452)
138Ce58 + 12 D* --> 114Sn50 + 48Ca20 + 204.835 MeV [29.859 MeV] (A_Ce:453)
138Ce58 + 12 D* --> 116Sn50 + 46Ca20 + 204.723 MeV [29.748 MeV] (A_Ce:454)
138Ce58 + 12 D* --> 118Sn50 + 44Ca20 + 203.185 MeV [28.209 MeV] (A_Ce:455)
138Ce58 + 12 D* --> 119Sn50 + 43Ca20 + 198.537 MeV [23.561 MeV] (A_Ce:456)
138Ce58 + 12 D* --> 120Sn50 + 42Ca20 + 199.712 MeV [24.737 MeV] (A_Ce:457)
138Ce58 + 12 D* --> 122Sn50 + 40Ca20 + 194.852 MeV [19.877 MeV] (A_Ce:458)
138Ce58 + 12 D* --> 121Sb51 + 41K19 + 195.214 MeV [20.239 MeV] (A_Ce:459)
138Ce58 + 12 D* --> 123Sb51 + 39K19 + 193.091 MeV [18.116 MeV] (A_Ce:460)
138Ce58 + 12 D* --> 122Te52 + 40Ar18 + 195.414 MeV [20.438 MeV] (A_Ce:461)
138Ce58 + 12 D* --> 124Te52 + 38Ar18 + 195.299 MeV [20.324 MeV] (A_Ce:462)
138Ce58 + 12 D* --> 126Te52 + 36Ar18 + 190.356 MeV [15.381 MeV] (A_Ce:463)
138Ce58 + 12 D* --> 127I53 + 35Cl17 + 188.057 MeV [13.081 MeV] (A_Ce:464)
138Ce58 + 12 D* --> 126Xe54 + 36S16 + 189.893 MeV [14.917 MeV] (A_Ce:465)
138Ce58 + 12 D* --> 128Xe54 + 34S16 + 189.852 MeV [14.876 MeV] (A_Ce:466)
138Ce58 + 12 D* --> 129Xe54 + 33S16 + 185.344 MeV [10.368 MeV] (A_Ce:467)
138Ce58 + 12 D* --> 130Xe54 + 32S16 + 185.958 MeV [10.982 MeV] (A_Ce:468)
138Ce58 + 12 D* --> 132Ba56 + 30Si14 + 182.928 MeV [7.952 MeV] (A_Ce:469)
138Ce58 + 12 D* --> 134Ba56 + 28Si14 + 180.503 MeV [5.527 MeV] (A_Ce:470)
138Ce58 + 12 D* --> 136Ce58 + 26Mg12 + 172.743 MeV [-2.233 MeV] (A_Ce:471)
138Ce58 + 12 D* --> 138Ce58 + 24Mg12 + 171.562 MeV [-3.413 MeV] (A_Ce:472)
138Ce58 + 12 D* --> 142Nd60 + 20Ne10 + 163.057 MeV [-11.918 MeV] (A_Ce:473)
138Ce58 + 12 D* --> 144Sm62 + 18O8 + 152.814 MeV [-22.162 MeV] (A_Ce:474)

140Ce58 + D* --> 128Te52 + 14N7 + 11.181 MeV [-1.626 MeV] (A_Ce:475)
140Ce58 + D* --> 131Xe54 + 11B5 + 4.800 MeV [-8.007 MeV] (A_Ce:476)
140Ce58 + D* --> 132Xe54 + 10B5 + 2.282 MeV [-10.525 MeV] (A_Ce:477)
140Ce58 + D* --> 133Cs55 + 9Be4 + 1.776 MeV [-11.031 MeV] (A_Ce:478)
140Ce58 + D* --> 138La57 + 4He2 + 9.152 MeV [-3.655 MeV] (A_Ce:479)

140Ce58 + 2 D* --> 96Zr40 + 48Ca20 + 67.845 MeV [41.910 MeV] (A_Ce:480)
140Ce58 + 2 D* --> 122Sn50 + 22Ne10 + 36.159 MeV [10.224 MeV] (A_Ce:481)
140Ce58 + 2 D* --> 124Sn50 + 20Ne10 + 33.467 MeV [7.532 MeV] (A_Ce:482)
140Ce58 + 2 D* --> 126Te52 + 18O8 + 29.034 MeV [3.100 MeV] (A_Ce:483)

140Ce58 + 2 D* --> 128Te52 + 16O8 + 31.917 MeV [5.983 MeV] (A_Ce:484)
140Ce58 + 2 D* --> 131Xe54 + 13C6 + 23.478 MeV [-2.456 MeV] (A_Ce:485)
140Ce58 + 2 D* --> 132Xe54 + 12C6 + 27.469 MeV [1.534 MeV] (A_Ce:486)
140Ce58 + 2 D* --> 133Cs55 + 11B5 + 17.591 MeV [-8.343 MeV] (A_Ce:487)
140Ce58 + 2 D* --> 135Ba56 + 9Be4 + 14.691 MeV [-11.244 MeV] (A_Ce:488)
140Ce58 + 2 D* --> 138La57 + 6Li3 + 10.626 MeV [-15.309 MeV] (A_Ce:489)
140Ce58 + 2 D* --> 140Ce58 + 4He2 + 23.847 MeV [-2.088 MeV] (A_Ce:490)
140Ce58 + 2 D* --> 144Nd60 + 21.941 MeV [-3.993 MeV] (A_Ce:491)

140Ce58 + 3 D* --> 131Xe54 + 15N7 + 39.638 MeV [00.258 MeV] (A_Ce:492)
140Ce58 + 3 D* --> 132Xe54 + 14N7 + 37.741 MeV [-1.639 MeV] (A_Ce:493)
140Ce58 + 3 D* --> 133Cs55 + 13C6 + 36.270 MeV [-3.110 MeV] (A_Ce:494)
140Ce58 + 3 D* --> 135Ba56 + 11B5 + 30.506 MeV [-8.873 MeV] (A_Ce:495)
140Ce58 + 3 D* --> 136Ba56 + 10B5 + 28.160 MeV [-11.220 MeV] (A_Ce:496)
140Ce58 + 3 D* --> 140Ce58 + 6Li3 + 25.320 MeV [-14.059 MeV] (A_Ce:497)
140Ce58 + 3 D* --> 144Nd60 + 2H1 + 21.941 MeV [-17.439 MeV] (A_Ce:498)
140Ce58 + 3 D* --> 145Nd60 + 1H1 + 25.472 MeV [-13.908 MeV] (A_Ce:499)

140Ce58 + 4 D* --> 100Mo42 + 48Ca20 + 94.858 MeV [41.718 MeV] (A_Ce:500)
140Ce58 + 4 D* --> 122Sn50 + 26Mg12 + 70.620 MeV [17.480 MeV] (A_Ce:501)
140Ce58 + 4 D* --> 124Sn50 + 24Mg12 + 66.630 MeV [13.490 MeV] (A_Ce:502)
140Ce58 + 4 D* --> 126Te52 + 22Ne10 + 62.549 MeV [9.409 MeV] (A_Ce:503)
140Ce58 + 4 D* --> 128Te52 + 20Ne10 + 60.494 MeV [7.354 MeV] (A_Ce:504)
140Ce58 + 4 D* --> 130Xe54 + 18O8 + 55.123 MeV [1.983 MeV] (A_Ce:505)
140Ce58 + 4 D* --> 131Xe54 + 17O8 + 53.684 MeV [00.544 MeV] (A_Ce:506)
140Ce58 + 4 D* --> 132Xe54 + 16O8 + 58.477 MeV [5.337 MeV] (A_Ce:507)
140Ce58 + 4 D* --> 133Cs55 + 15N7 + 52.429 MeV [-0.711 MeV] (A_Ce:508)
140Ce58 + 4 D* --> 135Ba56 + 13C6 + 49.185 MeV [-3.955 MeV] (A_Ce:509)
140Ce58 + 4 D* --> 136Ba56 + 12C6 + 53.347 MeV [00.207 MeV] (A_Ce:510)
140Ce58 + 4 D* --> 138La57 + 10B5 + 38.934 MeV [-14.206 MeV] (A_Ce:511)
140Ce58 + 4 D* --> 141Pr59 + 7Li3 + 35.572 MeV [-17.568 MeV] (A_Ce:512)
140Ce58 + 4 D* --> 144Nd60 + 4He2 + 45.788 MeV [-7.352 MeV] (A_Ce:513)
140Ce58 + 4 D* --> 145Nd60 + 3He2 + 30.966 MeV [-22.174 MeV] (A_Ce:514)
140Ce58 + 4 D* --> 148Sm62 + 43.802 MeV [-9.338 MeV] (A_Ce:515)

140Ce58 + 5 D* --> 131Xe54 + 19F9 + 67.498 MeV [00.285 MeV] (A_Ce:516)
140Ce58 + 5 D* --> 133Cs55 + 17O8 + 66.475 MeV [-0.737 MeV] (A_Ce:517)
140Ce58 + 5 D* --> 135Ba56 + 15N7 + 65.344 MeV [-1.868 MeV] (A_Ce:518)
140Ce58 + 5 D* --> 136Ba56 + 14N7 + 63.619 MeV [-3.594 MeV] (A_Ce:519)
140Ce58 + 5 D* --> 138La57 + 12C6 + 64.120 MeV [-3.093 MeV] (A_Ce:520)
140Ce58 + 5 D* --> 140Ce58 + 10B5 + 53.628 MeV [-13.585 MeV] (A_Ce:521)
140Ce58 + 5 D* --> 141Pr59 + 9Be4 + 52.269 MeV [-14.944 MeV] (A_Ce:522)
140Ce58 + 5 D* --> 143Nd60 + 7Li3 + 46.695 MeV [-20.518 MeV] (A_Ce:523)
140Ce58 + 5 D* --> 144Nd60 + 6Li3 + 47.262 MeV [-19.951 MeV] (A_Ce:524)
140Ce58 + 5 D* --> 148Sm62 + 2H1 + 43.802 MeV [-23.411 MeV] (A_Ce:525)
140Ce58 + 5 D* --> 149Sm62 + 1H1 + 47.448 MeV [-19.764 MeV] (A_Ce:526)

140Ce58 + 6 D* --> 76Ge32 + 76Ge32 + 137.157 MeV [55.562 MeV] (A_Ce:527)
140Ce58 + 6 D* --> 82Se34 + 70Zn30 + 137.890 MeV [56.295 MeV] (A_Ce:528)
140Ce58 + 6 D* --> 104Ru44 + 48Ca20 + 123.034 MeV [41.439 MeV] (A_Ce:529)
140Ce58 + 6 D* --> 116Cd48 + 36S16 + 110.115 MeV [28.520 MeV] (A_Ce:530)
140Ce58 + 6 D* --> 122Sn50 + 30Si14 + 105.110 MeV [23.515 MeV] (A_Ce:531)
140Ce58 + 6 D* --> 124Sn50 + 28Si14 + 100.461 MeV [18.866 MeV] (A_Ce:532)
140Ce58 + 6 D* --> 126Te52 + 26Mg12 + 97.010 MeV [15.415 MeV] (A_Ce:533)

140Ce58 + 6 D* --> 128Te52 + 24Mg12 + 93.657 MeV [12.062 MeV] (A_Ce:534)
140Ce58 + 6 D* --> 130Xe54 + 22Ne10 + 88.637 MeV [7.043 MeV] (A_Ce:535)
140Ce58 + 6 D* --> 131Xe54 + 21Ne10 + 84.878 MeV [3.283 MeV] (A_Ce:536)
140Ce58 + 6 D* --> 132Xe54 + 20Ne10 + 87.053 MeV [5.459 MeV] (A_Ce:537)
140Ce58 + 6 D* --> 133Cs55 + 19F9 + 80.289 MeV [-1.306 MeV] (A_Ce:538)
140Ce58 + 6 D* --> 134Ba56 + 18O8 + 80.462 MeV [-1.132 MeV] (A_Ce:539)
140Ce58 + 6 D* --> 135Ba56 + 17O8 + 79.390 MeV [-2.205 MeV] (A_Ce:540)
140Ce58 + 6 D* --> 136Ba56 + 16O8 + 84.355 MeV [2.760 MeV] (A_Ce:541)
140Ce58 + 6 D* --> 138La57 + 14N7 + 74.392 MeV [-7.203 MeV] (A_Ce:542)
140Ce58 + 6 D* --> 140Ce58 + 12C6 + 78.814 MeV [-2.781 MeV] (A_Ce:543)
140Ce58 + 6 D* --> 141Pr59 + 11B5 + 68.084 MeV [-13.511 MeV] (A_Ce:544)
140Ce58 + 6 D* --> 143Nd60 + 9Be4 + 63.391 MeV [-18.204 MeV] (A_Ce:545)
140Ce58 + 6 D* --> 148Sm62 + 4He2 + 67.648 MeV [-13.947 MeV] (A_Ce:546)
140Ce58 + 6 D* --> 149Sm62 + 3He2 + 52.942 MeV [-28.653 MeV] (A_Ce:547)
140Ce58 + 6 D* --> 151Eu63 + 1H1 + 58.101 MeV [-23.494 MeV] (A_Ce:548)
140Ce58 + 6 D* --> 152Gd64 + 65.445 MeV [-16.150 MeV] (A_Ce:549)

140Ce58 + 7 D* --> 131Xe54 + 23Na11 + 101.812 MeV [5.527 MeV] (A_Ce:550)
140Ce58 + 7 D* --> 133Cs55 + 21Ne10 + 97.670 MeV [1.385 MeV] (A_Ce:551)
140Ce58 + 7 D* --> 135Ba56 + 19F9 + 93.205 MeV [-3.080 MeV] (A_Ce:552)
140Ce58 + 7 D* --> 138La57 + 16O8 + 95.128 MeV [-1.156 MeV] (A_Ce:553)
140Ce58 + 7 D* --> 140Ce58 + 14N7 + 89.087 MeV [-7.198 MeV] (A_Ce:554)
140Ce58 + 7 D* --> 141Pr59 + 13C6 + 86.763 MeV [-9.522 MeV] (A_Ce:555)
140Ce58 + 7 D* --> 143Nd60 + 11B5 + 79.206 MeV [-17.078 MeV] (A_Ce:556)
140Ce58 + 7 D* --> 144Nd60 + 10B5 + 75.569 MeV [-20.715 MeV] (A_Ce:557)
140Ce58 + 7 D* --> 147Sm62 + 7Li3 + 68.231 MeV [-28.054 MeV] (A_Ce:558)
140Ce58 + 7 D* --> 148Sm62 + 6Li3 + 69.122 MeV [-27.162 MeV] (A_Ce:559)
140Ce58 + 7 D* --> 151Eu63 + 3He2 + 63.595 MeV [-32.690 MeV] (A_Ce:560)
140Ce58 + 7 D* --> 152Gd64 + 2H1 + 65.445 MeV [-30.839 MeV] (A_Ce:561)

140Ce58 + 8 D* --> 80Se34 + 76Ge32 + 167.975 MeV [56.696 MeV] (A_Ce:562)
140Ce58 + 8 D* --> 82Se34 + 74Ge32 + 168.019 MeV [56.740 MeV] (A_Ce:563)
140Ce58 + 8 D* --> 86Kr36 + 70Zn30 + 169.833 MeV [58.553 MeV] (A_Ce:564)
140Ce58 + 8 D* --> 108Pd46 + 48Ca20 + 150.741 MeV [39.462 MeV] (A_Ce:565)
140Ce58 + 8 D* --> 110Pd46 + 46Ca20 + 148.487 MeV [37.207 MeV] (A_Ce:566)
140Ce58 + 8 D* --> 116Cd48 + 40Ar18 + 140.762 MeV [29.483 MeV] (A_Ce:567)
140Ce58 + 8 D* --> 120Sn50 + 36S16 + 138.772 MeV [27.492 MeV] (A_Ce:568)
140Ce58 + 8 D* --> 122Sn50 + 34S16 + 136.880 MeV [25.601 MeV] (A_Ce:569)
140Ce58 + 8 D* --> 124Sn50 + 32S16 + 131.255 MeV [19.976 MeV] (A_Ce:570)
140Ce58 + 8 D* --> 126Te52 + 30Si14 + 131.500 MeV [20.221 MeV] (A_Ce:571)
140Ce58 + 8 D* --> 128Te52 + 28Si14 + 127.487 MeV [16.208 MeV] (A_Ce:572)
140Ce58 + 8 D* --> 130Xe54 + 26Mg12 + 123.099 MeV [11.820 MeV] (A_Ce:573)
140Ce58 + 8 D* --> 131Xe54 + 25Mg12 + 118.611 MeV [7.331 MeV] (A_Ce:574)
140Ce58 + 8 D* --> 132Xe54 + 24Mg12 + 120.217 MeV [8.937 MeV] (A_Ce:575)
140Ce58 + 8 D* --> 133Cs55 + 23Na11 + 114.603 MeV [3.324 MeV] (A_Ce:576)
140Ce58 + 8 D* --> 134Ba56 + 22Ne10 + 113.977 MeV [2.698 MeV] (A_Ce:577)
140Ce58 + 8 D* --> 135Ba56 + 21Ne10 + 110.585 MeV [-0.694 MeV] (A_Ce:578)
140Ce58 + 8 D* --> 136Ba56 + 20Ne10 + 112.931 MeV [1.652 MeV] (A_Ce:579)
140Ce58 + 8 D* --> 138Ce58 + 18O8 + 105.353 MeV [-5.927 MeV] (A_Ce:580)
140Ce58 + 8 D* --> 140Ce58 + 16O8 + 109.823 MeV [-1.456 MeV] (A_Ce:581)
140Ce58 + 8 D* --> 141Pr59 + 15N7 + 102.922 MeV [-8.357 MeV] (A_Ce:582)
140Ce58 + 8 D* --> 143Nd60 + 13C6 + 97.885 MeV [-13.394 MeV] (A_Ce:583)
140Ce58 + 8 D* --> 144Nd60 + 12C6 + 100.756 MeV [-10.524 MeV] (A_Ce:584)
140Ce58 + 8 D* --> 147Sm62 + 9Be4 + 84.927 MeV [-26.352 MeV] (A_Ce:585)

140Ce58 + 8 D* --> 152Gd64 + 4He2 + 89.292 MeV [-21.987 MeV] (A_Ce:586)
140Ce58 + 8 D* --> 156Dy66 + 87.532 MeV [-23.747 MeV] (A_Ce:587)

140Ce58 + 9 D* --> 131Xe54 + 27Al13 + 135.750 MeV [9.174 MeV] (A_Ce:588)
140Ce58 + 9 D* --> 133Cs55 + 25Mg12 + 131.402 MeV [4.825 MeV] (A_Ce:589)
140Ce58 + 9 D* --> 135Ba56 + 23Na11 + 127.519 MeV [00.942 MeV] (A_Ce:590)
140Ce58 + 9 D* --> 138La57 + 20Ne10 + 123.705 MeV [-2.872 MeV] (A_Ce:591)
140Ce58 + 9 D* --> 141Pr59 + 17O8 + 116.968 MeV [-9.609 MeV] (A_Ce:592)
140Ce58 + 9 D* --> 143Nd60 + 15N7 + 114.044 MeV [-12.532 MeV] (A_Ce:593)
140Ce58 + 9 D* --> 144Nd60 + 14N7 + 111.028 MeV [-15.549 MeV] (A_Ce:594)
140Ce58 + 9 D* --> 147Sm62 + 11B5 + 100.742 MeV [-25.834 MeV] (A_Ce:595)
140Ce58 + 9 D* --> 148Sm62 + 10B5 + 97.430 MeV [-29.147 MeV] (A_Ce:596)
140Ce58 + 9 D* --> 152Gd64 + 6Li3 + 90.766 MeV [-35.811 MeV] (A_Ce:597)
140Ce58 + 9 D* --> 156Dy66 + 2H1 + 87.532 MeV [-39.044 MeV] (A_Ce:598)

140Ce58 + 10 D* --> 80Se34 + 80Se34 + 198.794 MeV [56.620 MeV] (A_Ce:599)
140Ce58 + 10 D* --> 82Se34 + 78Se34 + 197.894 MeV [55.720 MeV] (A_Ce:600)
140Ce58 + 10 D* --> 84Kr36 + 76Ge32 + 198.918 MeV [56.744 MeV] (A_Ce:601)
140Ce58 + 10 D* --> 86Kr36 + 74Ge32 + 199.962 MeV [57.788 MeV] (A_Ce:602)
140Ce58 + 10 D* --> 96Zr40 + 64Ni28 + 195.816 MeV [53.642 MeV] (A_Ce:603)
140Ce58 + 10 D* --> 110Pd46 + 50Ti22 + 183.050 MeV [40.876 MeV] (A_Ce:604)
140Ce58 + 10 D* --> 112Cd48 + 48Ca20 + 178.069 MeV [35.894 MeV] (A_Ce:605)
140Ce58 + 10 D* --> 114Cd48 + 46Ca20 + 176.430 MeV [34.256 MeV] (A_Ce:606)
140Ce58 + 10 D* --> 116Cd48 + 44Ca20 + 173.462 MeV [31.288 MeV] (A_Ce:607)
140Ce58 + 10 D* --> 120Sn50 + 40Ar18 + 169.419 MeV [27.245 MeV] (A_Ce:608)
140Ce58 + 10 D* --> 122Sn50 + 38Ar18 + 167.934 MeV [25.760 MeV] (A_Ce:609)
140Ce58 + 10 D* --> 124Sn50 + 36Ar18 + 161.742 MeV [19.568 MeV] (A_Ce:610)
140Ce58 + 10 D* --> 123Sb51 + 37Cl17 + 164.260 MeV [22.085 MeV] (A_Ce:611)
140Ce58 + 10 D* --> 124Te52 + 36S16 + 164.463 MeV [22.288 MeV] (A_Ce:612)
140Ce58 + 10 D* --> 126Te52 + 34S16 + 163.270 MeV [21.096 MeV] (A_Ce:613)
140Ce58 + 10 D* --> 128Te52 + 32S16 + 158.282 MeV [16.108 MeV] (A_Ce:614)
140Ce58 + 10 D* --> 130Xe54 + 30Si14 + 157.589 MeV [15.414 MeV] (A_Ce:615)
140Ce58 + 10 D* --> 131Xe54 + 29Si14 + 153.584 MeV [11.410 MeV] (A_Ce:616)
140Ce58 + 10 D* --> 132Xe54 + 28Si14 + 154.047 MeV [11.873 MeV] (A_Ce:617)
140Ce58 + 10 D* --> 133Cs55 + 27Al13 + 148.542 MeV [6.367 MeV] (A_Ce:618)
140Ce58 + 10 D* --> 134Ba56 + 26Mg12 + 148.438 MeV [6.264 MeV] (A_Ce:619)
140Ce58 + 10 D* --> 135Ba56 + 25Mg12 + 144.317 MeV [2.143 MeV] (A_Ce:620)
140Ce58 + 10 D* --> 136Ba56 + 24Mg12 + 146.094 MeV [3.920 MeV] (A_Ce:621)
140Ce58 + 10 D* --> 138Ce58 + 22Ne10 + 138.867 MeV [-3.307 MeV] (A_Ce:622)
140Ce58 + 10 D* --> 140Ce58 + 20Ne10 + 138.399 MeV [-3.775 MeV] (A_Ce:623)
140Ce58 + 10 D* --> 141Pr59 + 19F9 + 130.782 MeV [-11.392 MeV] (A_Ce:624)
140Ce58 + 10 D* --> 142Nd60 + 18O8 + 130.011 MeV [-12.163 MeV] (A_Ce:625)
140Ce58 + 10 D* --> 143Nd60 + 17O8 + 128.090 MeV [-14.084 MeV] (A_Ce:626)
140Ce58 + 10 D* --> 144Nd60 + 16O8 + 131.764 MeV [-10.410 MeV] (A_Ce:627)
140Ce58 + 10 D* --> 147Sm62 + 13C6 + 119.421 MeV [-22.753 MeV] (A_Ce:628)
140Ce58 + 10 D* --> 148Sm62 + 12C6 + 122.616 MeV [-19.558 MeV] (A_Ce:629)
140Ce58 + 10 D* --> 156Dy66 + 4He2 + 111.379 MeV [-30.795 MeV] (A_Ce:630)

140Ce58 + 11 D* --> 122Sn50 + 40K19 + 179.891 MeV [21.821 MeV] (A_Ce:631)
140Ce58 + 11 D* --> 125Te52 + 37Cl17 + 177.193 MeV [19.124 MeV] (A_Ce:632)
140Ce58 + 11 D* --> 131Xe54 + 31P15 + 169.266 MeV [11.196 MeV] (A_Ce:633)
140Ce58 + 11 D* --> 133Cs55 + 29Si14 + 166.376 MeV [8.306 MeV] (A_Ce:634)
140Ce58 + 11 D* --> 135Ba56 + 27Al13 + 161.457 MeV [3.387 MeV] (A_Ce:635)
140Ce58 + 11 D* --> 138La57 + 24Mg12 + 156.868 MeV [-1.202 MeV] (A_Ce:636)

140Ce58 + 11 D* --> 141Pr59 + 21Ne10 + 148.162 MeV [-9.908 MeV] (A_Ce:637)
140Ce58 + 11 D* --> 143Nd60 + 19F9 + 141.904 MeV [-16.165 MeV] (A_Ce:638)
140Ce58 + 11 D* --> 147Sm62 + 15N7 + 135.580 MeV [-22.490 MeV] (A_Ce:639)
140Ce58 + 11 D* --> 148Sm62 + 14N7 + 132.888 MeV [-25.181 MeV] (A_Ce:640)
140Ce58 + 11 D* --> 152Gd64 + 10B5 + 119.073 MeV [-38.997 MeV] (A_Ce:641)
140Ce58 + 11 D* --> 156Dy66 + 6Li3 + 112.853 MeV [-45.217 MeV] (A_Ce:642)

140Ce58 + 12 D* --> 82Se34 + 82Kr36 + 227.729 MeV [53.467 MeV] (A_Ce:643)
140Ce58 + 12 D* --> 82Kr36 + 82Se34 + 227.729 MeV [53.467 MeV] (A_Ce:644)
140Ce58 + 12 D* --> 84Kr36 + 80Se34 + 229.736 MeV [55.475 MeV] (A_Ce:645)
140Ce58 + 12 D* --> 86Kr36 + 78Se34 + 229.837 MeV [55.576 MeV] (A_Ce:646)
140Ce58 + 12 D* --> 88Sr38 + 76Ge32 + 230.680 MeV [56.419 MeV] (A_Ce:647)
140Ce58 + 12 D* --> 94Zr40 + 70Zn30 + 226.377 MeV [52.115 MeV] (A_Ce:648)
140Ce58 + 12 D* --> 96Zr40 + 68Zn30 + 224.995 MeV [50.734 MeV] (A_Ce:649)
140Ce58 + 12 D* --> 100Mo42 + 64Ni28 + 222.829 MeV [48.567 MeV] (A_Ce:650)
140Ce58 + 12 D* --> 110Pd46 + 54Cr24 + 214.827 MeV [40.566 MeV] (A_Ce:651)
140Ce58 + 12 D* --> 114Cd48 + 50Ti22 + 210.993 MeV [36.731 MeV] (A_Ce:652)
140Ce58 + 12 D* --> 116Cd48 + 48Ti22 + 206.753 MeV [32.491 MeV] (A_Ce:653)
140Ce58 + 12 D* --> 116Sn50 + 48Ca20 + 205.288 MeV [31.026 MeV] (A_Ce:654)
140Ce58 + 12 D* --> 118Sn50 + 46Ca20 + 204.337 MeV [30.075 MeV] (A_Ce:655)
140Ce58 + 12 D* --> 120Sn50 + 44Ca20 + 202.119 MeV [27.857 MeV] (A_Ce:656)
140Ce58 + 12 D* --> 122Sn50 + 42Ca20 + 198.038 MeV [23.777 MeV] (A_Ce:657)
140Ce58 + 12 D* --> 124Sn50 + 40Ca20 + 192.628 MeV [18.367 MeV] (A_Ce:658)
140Ce58 + 12 D* --> 123Sb51 + 41K19 + 194.329 MeV [20.067 MeV] (A_Ce:659)
140Ce58 + 12 D* --> 124Te52 + 40Ar18 + 195.110 MeV [20.848 MeV] (A_Ce:660)
140Ce58 + 12 D* --> 126Te52 + 38Ar18 + 194.325 MeV [20.063 MeV] (A_Ce:661)
140Ce58 + 12 D* --> 128Te52 + 36Ar18 + 188.769 MeV [14.507 MeV] (A_Ce:662)
140Ce58 + 12 D* --> 127I53 + 37Cl17 + 190.290 MeV [16.029 MeV] (A_Ce:663)
140Ce58 + 12 D* --> 128Xe54 + 36S16 + 190.069 MeV [15.808 MeV] (A_Ce:664)
140Ce58 + 12 D* --> 130Xe54 + 34S16 + 189.359 MeV [15.097 MeV] (A_Ce:665)
140Ce58 + 12 D* --> 131Xe54 + 33S16 + 184.547 MeV [10.285 MeV] (A_Ce:666)
140Ce58 + 12 D* --> 132Xe54 + 32S16 + 184.842 MeV [10.580 MeV] (A_Ce:667)
140Ce58 + 12 D* --> 133Cs55 + 31P15 + 182.057 MeV [7.796 MeV] (A_Ce:668)
140Ce58 + 12 D* --> 134Ba56 + 30Si14 + 182.928 MeV [8.667 MeV] (A_Ce:669)
140Ce58 + 12 D* --> 135Ba56 + 29Si14 + 179.291 MeV [5.029 MeV] (A_Ce:670)
140Ce58 + 12 D* --> 136Ba56 + 28Si14 + 179.925 MeV [5.664 MeV] (A_Ce:671)
140Ce58 + 12 D* --> 138Ce58 + 26Mg12 + 173.328 MeV [-0.933 MeV] (A_Ce:672)
140Ce58 + 12 D* --> 140Ce58 + 24Mg12 + 171.562 MeV [-2.699 MeV] (A_Ce:673)
140Ce58 + 12 D* --> 141Pr59 + 23Na11 + 165.096 MeV [-9.165 MeV] (A_Ce:674)
140Ce58 + 12 D* --> 142Nd60 + 22Ne10 + 163.525 MeV [-10.736 MeV] (A_Ce:675)
140Ce58 + 12 D* --> 143Nd60 + 21Ne10 + 159.285 MeV [-14.977 MeV] (A_Ce:676)
140Ce58 + 12 D* --> 144Nd60 + 20Ne10 + 160.340 MeV [-13.921 MeV] (A_Ce:677)
140Ce58 + 12 D* --> 147Sm62 + 17O8 + 149.626 MeV [-24.635 MeV] (A_Ce:678)
140Ce58 + 12 D* --> 148Sm62 + 16O8 + 153.625 MeV [-20.637 MeV] (A_Ce:679)
140Ce58 + 12 D* --> 152Gd64 + 12C6 + 144.260 MeV [-30.002 MeV] (A_Ce:680)

142Ce58 + D* --> 130Te52 + 14N7 + 13.085 MeV [00.338 MeV] (A_Ce:681)
142Ce58 + D* --> 134Xe54 + 10B5 + 4.671 MeV [-8.077 MeV] (A_Ce:682)
142Ce58 + D* --> 137Ba56 + 7Li3 + 1.410 MeV [-11.337 MeV] (A_Ce:683)
142Ce58 + D* --> 138Ba56 + 6Li3 + 2.772 MeV [-9.975 MeV] (A_Ce:684)

142Ce58 + 2 D* --> 124Sn50 + 22Ne10 + 37.994 MeV [12.179 MeV] (A_Ce:685)
142Ce58 + 2 D* --> 128Te52 + 18O8 + 31.507 MeV [5.691 MeV] (A_Ce:686)
142Ce58 + 2 D* --> 130Te52 + 16O8 + 33.821 MeV [8.006 MeV] (A_Ce:687)

142Ce58 + 2 D* --> 134Xe54 + 12C6 + 29.857 MeV [4.042 MeV] (A_Ce:688)
142Ce58 + 2 D* --> 137Ba56 + 9Be4 + 18.107 MeV [-7.709 MeV] (A_Ce:689)
142Ce58 + 2 D* --> 139La57 + 7Li3 + 14.056 MeV [-11.759 MeV] (A_Ce:690)
142Ce58 + 2 D* --> 142Ce58 + 4He2 + 23.847 MeV [-1.969 MeV] (A_Ce:691)
142Ce58 + 2 D* --> 146Nd60 + 22.664 MeV [-3.152 MeV] (A_Ce:692)

142Ce58 + 3 D* --> 134Xe54 + 14N7 + 40.130 MeV [00.928 MeV] (A_Ce:693)
142Ce58 + 3 D* --> 137Ba56 + 11B5 + 33.922 MeV [-5.280 MeV] (A_Ce:694)
142Ce58 + 3 D* --> 138Ba56 + 10B5 + 31.080 MeV [-8.122 MeV] (A_Ce:695)
142Ce58 + 3 D* --> 139La57 + 9Be4 + 30.752 MeV [-8.449 MeV] (A_Ce:696)
142Ce58 + 3 D* --> 142Ce58 + 6Li3 + 25.320 MeV [-13.881 MeV] (A_Ce:697)
142Ce58 + 3 D* --> 146Nd60 + 2H1 + 22.664 MeV [-16.538 MeV] (A_Ce:698)

142Ce58 + 4 D* --> 124Sn50 + 26Mg12 + 72.456 MeV [19.553 MeV] (A_Ce:699)
142Ce58 + 4 D* --> 128Te52 + 22Ne10 + 65.021 MeV [12.118 MeV] (A_Ce:700)
142Ce58 + 4 D* --> 130Te52 + 20Ne10 + 62.398 MeV [9.495 MeV] (A_Ce:701)
142Ce58 + 4 D* --> 132Xe54 + 18O8 + 58.066 MeV [5.164 MeV] (A_Ce:702)
142Ce58 + 4 D* --> 134Xe54 + 16O8 + 60.866 MeV [7.963 MeV] (A_Ce:703)
142Ce58 + 4 D* --> 137Ba56 + 13C6 + 52.601 MeV [-0.302 MeV] (A_Ce:704)
142Ce58 + 4 D* --> 138Ba56 + 12C6 + 56.266 MeV [3.363 MeV] (A_Ce:705)
142Ce58 + 4 D* --> 139La57 + 11B5 + 46.568 MeV [-6.335 MeV] (A_Ce:706)
142Ce58 + 4 D* --> 146Nd60 + 4He2 + 46.511 MeV [-6.392 MeV] (A_Ce:707)
142Ce58 + 4 D* --> 150Sm62 + 45.062 MeV [-7.841 MeV] (A_Ce:708)

142Ce58 + 5 D* --> 137Ba56 + 15N7 + 68.760 MeV [1.843 MeV] (A_Ce:709)
142Ce58 + 5 D* --> 138Ba56 + 14N7 + 66.538 MeV [-0.378 MeV] (A_Ce:710)
142Ce58 + 5 D* --> 139La57 + 13C6 + 65.246 MeV [-1.670 MeV] (A_Ce:711)
142Ce58 + 5 D* --> 142Ce58 + 10B5 + 53.628 MeV [-13.289 MeV] (A_Ce:712)
142Ce58 + 5 D* --> 145Nd60 + 7Li3 + 47.669 MeV [-19.247 MeV] (A_Ce:713)
142Ce58 + 5 D* --> 146Nd60 + 6Li3 + 47.984 MeV [-18.932 MeV] (A_Ce:714)
142Ce58 + 5 D* --> 150Sm62 + 2H1 + 45.062 MeV [-21.855 MeV] (A_Ce:715)

142Ce58 + 6 D* --> 124Sn50 + 30Si14 + 106.946 MeV [25.705 MeV] (A_Ce:716)
142Ce58 + 6 D* --> 128Te52 + 26Mg12 + 99.483 MeV [18.242 MeV] (A_Ce:717)
142Ce58 + 6 D* --> 130Te52 + 24Mg12 + 95.561 MeV [14.321 MeV] (A_Ce:718)
142Ce58 + 6 D* --> 132Xe54 + 22Ne10 + 91.581 MeV [10.341 MeV] (A_Ce:719)
142Ce58 + 6 D* --> 134Xe54 + 20Ne10 + 89.442 MeV [8.202 MeV] (A_Ce:720)
142Ce58 + 6 D* --> 136Ba56 + 18O8 + 83.944 MeV [2.704 MeV] (A_Ce:721)
142Ce58 + 6 D* --> 137Ba56 + 17O8 + 82.806 MeV [1.566 MeV] (A_Ce:722)
142Ce58 + 6 D* --> 138Ba56 + 16O8 + 87.274 MeV [6.034 MeV] (A_Ce:723)
142Ce58 + 6 D* --> 139La57 + 15N7 + 81.406 MeV [00.166 MeV] (A_Ce:724)
142Ce58 + 6 D* --> 142Ce58 + 12C6 + 78.814 MeV [-2.426 MeV] (A_Ce:725)
142Ce58 + 6 D* --> 145Nd60 + 9Be4 + 64.365 MeV [-16.875 MeV] (A_Ce:726)
142Ce58 + 6 D* --> 150Sm62 + 4He2 + 68.908 MeV [-12.332 MeV] (A_Ce:727)
142Ce58 + 6 D* --> 153Eu63 + 1H1 + 60.360 MeV [-20.880 MeV] (A_Ce:728)
142Ce58 + 6 D* --> 154Gd64 + 67.989 MeV [-13.251 MeV] (A_Ce:729)

142Ce58 + 7 D* --> 137Ba56 + 19F9 + 96.620 MeV [00.749 MeV] (A_Ce:730)
142Ce58 + 7 D* --> 138La57 + 18O8 + 94.718 MeV [-1.154 MeV] (A_Ce:731)
142Ce58 + 7 D* --> 139La57 + 17O8 + 95.452 MeV [-0.420 MeV] (A_Ce:732)
142Ce58 + 7 D* --> 142Ce58 + 14N7 + 89.087 MeV [-6.785 MeV] (A_Ce:733)
142Ce58 + 7 D* --> 145Nd60 + 11B5 + 80.181 MeV [-15.691 MeV] (A_Ce:734)
142Ce58 + 7 D* --> 146Nd60 + 10B5 + 76.292 MeV [-19.579 MeV] (A_Ce:735)
142Ce58 + 7 D* --> 149Sm62 + 7Li3 + 69.645 MeV [-26.226 MeV] (A_Ce:736)

142Ce58 + 7 D* --> 150Sm62 + 6Li3 + 70.382 MeV [-25.489 MeV] (A_Ce:737)
142Ce58 + 7 D* --> 153Eu63 + 3He2 + 65.854 MeV [-30.018 MeV] (A_Ce:738)
142Ce58 + 7 D* --> 154Gd64 + 2H1 + 67.989 MeV [-27.882 MeV] (A_Ce:739)
142Ce58 + 7 D* --> 155Gd64 + 1H1 + 72.200 MeV [-23.672 MeV] (A_Ce:740)

142Ce58 + 8 D* --> 82Se34 + 76Ge32 + 171.354 MeV [60.547 MeV] (A_Ce:741)
142Ce58 + 8 D* --> 110Pd46 + 48Ca20 + 153.111 MeV [42.303 MeV] (A_Ce:742)
142Ce58 + 8 D* --> 122Sn50 + 36S16 + 141.157 MeV [30.350 MeV] (A_Ce:743)
142Ce58 + 8 D* --> 124Sn50 + 34S16 + 138.716 MeV [27.908 MeV] (A_Ce:744)
142Ce58 + 8 D* --> 128Te52 + 30Si14 + 133.972 MeV [23.165 MeV] (A_Ce:745)
142Ce58 + 8 D* --> 130Te52 + 28Si14 + 129.392 MeV [18.584 MeV] (A_Ce:746)
142Ce58 + 8 D* --> 132Xe54 + 26Mg12 + 126.042 MeV [15.235 MeV] (A_Ce:747)
142Ce58 + 8 D* --> 134Xe54 + 24Mg12 + 122.605 MeV [11.798 MeV] (A_Ce:748)
142Ce58 + 8 D* --> 136Ba56 + 22Ne10 + 117.459 MeV [6.651 MeV] (A_Ce:749)
142Ce58 + 8 D* --> 137Ba56 + 21Ne10 + 114.000 MeV [3.193 MeV] (A_Ce:750)
142Ce58 + 8 D* --> 138Ba56 + 20Ne10 + 115.851 MeV [5.043 MeV] (A_Ce:751)
142Ce58 + 8 D* --> 139La57 + 19F9 + 109.266 MeV [-1.542 MeV] (A_Ce:752)
142Ce58 + 8 D* --> 140Ce58 + 18O8 + 109.412 MeV [-1.396 MeV] (A_Ce:753)
142Ce58 + 8 D* --> 142Ce58 + 16O8 + 109.823 MeV [-0.985 MeV] (A_Ce:754)
142Ce58 + 8 D* --> 145Nd60 + 13C6 + 98.859 MeV [-11.948 MeV] (A_Ce:755)
142Ce58 + 8 D* --> 146Nd60 + 12C6 + 101.478 MeV [-9.329 MeV] (A_Ce:756)
142Ce58 + 8 D* --> 149Sm62 + 9Be4 + 86.342 MeV [-24.466 MeV] (A_Ce:757)
142Ce58 + 8 D* --> 151Eu63 + 7Li3 + 80.298 MeV [-30.509 MeV] (A_Ce:758)
142Ce58 + 8 D* --> 154Gd64 + 4He2 + 91.836 MeV [-18.972 MeV] (A_Ce:759)
142Ce58 + 8 D* --> 155Gd64 + 3He2 + 77.693 MeV [-33.115 MeV] (A_Ce:760)
142Ce58 + 8 D* --> 158Dy66 + 90.959 MeV [-19.848 MeV] (A_Ce:761)

142Ce58 + 9 D* --> 137Ba56 + 23Na11 + 130.934 MeV [4.887 MeV] (A_Ce:762)
142Ce58 + 9 D* --> 138La57 + 22Ne10 + 128.232 MeV [2.185 MeV] (A_Ce:763)
142Ce58 + 9 D* --> 139La57 + 21Ne10 + 126.646 MeV [00.599 MeV] (A_Ce:764)
142Ce58 + 9 D* --> 145Nd60 + 15N7 + 115.019 MeV [-11.028 MeV] (A_Ce:765)
142Ce58 + 9 D* --> 146Nd60 + 14N7 + 111.751 MeV [-14.296 MeV] (A_Ce:766)
142Ce58 + 9 D* --> 149Sm62 + 11B5 + 102.157 MeV [-23.890 MeV] (A_Ce:767)
142Ce58 + 9 D* --> 150Sm62 + 10B5 + 98.690 MeV [-27.357 MeV] (A_Ce:768)
142Ce58 + 9 D* --> 151Eu63 + 9Be4 + 96.994 MeV [-29.052 MeV] (A_Ce:769)
142Ce58 + 9 D* --> 154Gd64 + 6Li3 + 93.309 MeV [-32.737 MeV] (A_Ce:770)
142Ce58 + 9 D* --> 158Dy66 + 2H1 + 90.959 MeV [-35.088 MeV] (A_Ce:771)

142Ce58 + 10 D* --> 82Se34 + 80Se34 + 202.173 MeV [60.586 MeV] (A_Ce:772)
142Ce58 + 10 D* --> 86Kr36 + 76Ge32 + 203.297 MeV [61.711 MeV] (A_Ce:773)
142Ce58 + 10 D* --> 114Cd48 + 48Ca20 + 181.054 MeV [39.467 MeV] (A_Ce:774)
142Ce58 + 10 D* --> 116Cd48 + 46Ca20 + 178.673 MeV [37.087 MeV] (A_Ce:775)
142Ce58 + 10 D* --> 122Sn50 + 40Ar18 + 171.805 MeV [30.218 MeV] (A_Ce:776)
142Ce58 + 10 D* --> 124Sn50 + 38Ar18 + 169.770 MeV [28.183 MeV] (A_Ce:777)
142Ce58 + 10 D* --> 126Te52 + 36S16 + 167.547 MeV [25.961 MeV] (A_Ce:778)
142Ce58 + 10 D* --> 128Te52 + 34S16 + 165.743 MeV [24.156 MeV] (A_Ce:779)
142Ce58 + 10 D* --> 130Te52 + 32S16 + 160.186 MeV [18.599 MeV] (A_Ce:780)
142Ce58 + 10 D* --> 132Xe54 + 30Si14 + 160.532 MeV [18.946 MeV] (A_Ce:781)
142Ce58 + 10 D* --> 134Xe54 + 28Si14 + 156.436 MeV [14.849 MeV] (A_Ce:782)
142Ce58 + 10 D* --> 136Ba56 + 26Mg12 + 151.920 MeV [10.334 MeV] (A_Ce:783)
142Ce58 + 10 D* --> 137Ba56 + 25Mg12 + 147.733 MeV [6.146 MeV] (A_Ce:784)
142Ce58 + 10 D* --> 138Ba56 + 24Mg12 + 149.014 MeV [7.427 MeV] (A_Ce:785)
142Ce58 + 10 D* --> 139La57 + 23Na11 + 143.580 MeV [1.993 MeV] (A_Ce:786)
142Ce58 + 10 D* --> 140Ce58 + 22Ne10 + 142.927 MeV [1.340 MeV] (A_Ce:787)

142Ce58 + 10 D* --> 142Ce58 + 20Ne10 + 138.399 MeV [-3.187 MeV] (A_Ce:788)
142Ce58 + 10 D* --> 144Nd60 + 18O8 + 131.353 MeV [-10.233 MeV] (A_Ce:789)
142Ce58 + 10 D* --> 145Nd60 + 17O8 + 129.065 MeV [-12.522 MeV] (A_Ce:790)
142Ce58 + 10 D* --> 146Nd60 + 16O8 + 132.487 MeV [-9.100 MeV] (A_Ce:791)
142Ce58 + 10 D* --> 149Sm62 + 13C6 + 120.836 MeV [-20.751 MeV] (A_Ce:792)
142Ce58 + 10 D* --> 150Sm62 + 12C6 + 123.876 MeV [-17.711 MeV] (A_Ce:793)
142Ce58 + 10 D* --> 151Eu63 + 11B5 + 112.810 MeV [-28.777 MeV] (A_Ce:794)
142Ce58 + 10 D* --> 158Dy66 + 4He2 + 114.806 MeV [-26.781 MeV] (A_Ce:795)
142Ce58 + 10 D* --> 162Er68 + 113.161 MeV [-28.425 MeV] (A_Ce:796)

142Ce58 + 11 D* --> 124Sn50 + 40K19 + 181.726 MeV [24.302 MeV] (A_Ce:797)
142Ce58 + 11 D* --> 137Ba56 + 27Al13 + 164.872 MeV [7.448 MeV] (A_Ce:798)
142Ce58 + 11 D* --> 138La57 + 26Mg12 + 162.694 MeV [5.269 MeV] (A_Ce:799)
142Ce58 + 11 D* --> 139La57 + 25Mg12 + 160.379 MeV [2.954 MeV] (A_Ce:800)
142Ce58 + 11 D* --> 145Nd60 + 19F9 + 142.879 MeV [-14.546 MeV] (A_Ce:801)
142Ce58 + 11 D* --> 149Sm62 + 15N7 + 136.995 MeV [-20.430 MeV] (A_Ce:802)
142Ce58 + 11 D* --> 150Sm62 + 14N7 + 134.148 MeV [-23.276 MeV] (A_Ce:803)
142Ce58 + 11 D* --> 151Eu63 + 13C6 + 131.489 MeV [-25.936 MeV] (A_Ce:804)
142Ce58 + 11 D* --> 154Gd64 + 10B5 + 121.617 MeV [-35.808 MeV] (A_Ce:805)
142Ce58 + 11 D* --> 158Dy66 + 6Li3 + 116.280 MeV [-41.145 MeV] (A_Ce:806)
142Ce58 + 11 D* --> 162Er68 + 2H1 + 113.161 MeV [-44.263 MeV] (A_Ce:807)

142Ce58 + 12 D* --> 84Kr36 + 82Se34 + 233.115 MeV [59.556 MeV] (A_Ce:808)
142Ce58 + 12 D* --> 86Kr36 + 80Se34 + 234.116 MeV [60.557 MeV] (A_Ce:809)
142Ce58 + 12 D* --> 96Zr40 + 70Zn30 + 228.098 MeV [54.539 MeV] (A_Ce:810)
142Ce58 + 12 D* --> 116Cd48 + 50Ti22 + 213.236 MeV [39.677 MeV] (A_Ce:811)
142Ce58 + 12 D* --> 118Sn50 + 48Ca20 + 208.960 MeV [35.402 MeV] (A_Ce:812)
142Ce58 + 12 D* --> 120Sn50 + 46Ca20 + 207.330 MeV [33.771 MeV] (A_Ce:813)
142Ce58 + 12 D* --> 122Sn50 + 44Ca20 + 204.505 MeV [30.946 MeV] (A_Ce:814)
142Ce58 + 12 D* --> 124Sn50 + 42Ca20 + 199.874 MeV [26.315 MeV] (A_Ce:815)
142Ce58 + 12 D* --> 126Te52 + 40Ar18 + 198.195 MeV [24.636 MeV] (A_Ce:816)
142Ce58 + 12 D* --> 128Te52 + 38Ar18 + 196.797 MeV [23.238 MeV] (A_Ce:817)
142Ce58 + 12 D* --> 130Te52 + 36Ar18 + 190.673 MeV [17.114 MeV] (A_Ce:818)
142Ce58 + 12 D* --> 130Xe54 + 36S16 + 193.636 MeV [20.077 MeV] (A_Ce:819)
142Ce58 + 12 D* --> 132Xe54 + 34S16 + 192.302 MeV [18.744 MeV] (A_Ce:820)
142Ce58 + 12 D* --> 134Xe54 + 32S16 + 187.230 MeV [13.672 MeV] (A_Ce:821)
142Ce58 + 12 D* --> 136Ba56 + 30Si14 + 186.410 MeV [12.851 MeV] (A_Ce:822)
142Ce58 + 12 D* --> 137Ba56 + 29Si14 + 182.706 MeV [9.148 MeV] (A_Ce:823)
142Ce58 + 12 D* --> 138Ba56 + 28Si14 + 182.845 MeV [9.286 MeV] (A_Ce:824)
142Ce58 + 12 D* --> 139La57 + 27Al13 + 177.518 MeV [3.959 MeV] (A_Ce:825)
142Ce58 + 12 D* --> 140Ce58 + 26Mg12 + 177.388 MeV [3.829 MeV] (A_Ce:826)
142Ce58 + 12 D* --> 142Ce58 + 24Mg12 + 171.562 MeV [-1.997 MeV] (A_Ce:827)
142Ce58 + 12 D* --> 144Nd60 + 22Ne10 + 164.868 MeV [-8.691 MeV] (A_Ce:828)
142Ce58 + 12 D* --> 145Nd60 + 21Ne10 + 160.259 MeV [-13.300 MeV] (A_Ce:829)
142Ce58 + 12 D* --> 146Nd60 + 20Ne10 + 161.063 MeV [-12.496 MeV] (A_Ce:830)
142Ce58 + 12 D* --> 148Sm62 + 18O8 + 153.214 MeV [-20.345 MeV] (A_Ce:831)
142Ce58 + 12 D* --> 149Sm62 + 17O8 + 151.041 MeV [-22.518 MeV] (A_Ce:832)
142Ce58 + 12 D* --> 150Sm62 + 16O8 + 154.885 MeV [-18.674 MeV] (A_Ce:833)
142Ce58 + 12 D* --> 151Eu63 + 15N7 + 147.648 MeV [-25.911 MeV] (A_Ce:834)
142Ce58 + 12 D* --> 154Gd64 + 12C6 + 146.803 MeV [-26.755 MeV] (A_Ce:835)
142Ce58 + 12 D* --> 162Er68 + 4He2 + 137.008 MeV [-36.551 MeV] (A_Ce:836)

---------- Equations follow for Praseodymium, Pr, element 59 ----------

141Pr59 + D* --> 122Sn50 + 21Ne10 + 22.793 MeV [9.795 MeV] (A_Pr:1)
141Pr59 + D* --> 125Te52 + 18O8 + 16.919 MeV [3.921 MeV] (A_Pr:2)
141Pr59 + D* --> 126Te52 + 17O8 + 17.988 MeV [4.991 MeV] (A_Pr:3)
141Pr59 + D* --> 130Xe54 + 13C6 + 13.872 MeV [00.874 MeV] (A_Pr:4)
141Pr59 + D* --> 131Xe54 + 12C6 + 15.530 MeV [2.533 MeV] (A_Pr:5)
141Pr59 + D* --> 133Cs55 + 10B5 + 3.135 MeV [-9.862 MeV] (A_Pr:6)
141Pr59 + D* --> 134Ba56 + 9Be4 + 4.717 MeV [-8.280 MeV] (A_Pr:7)
141Pr59 + D* --> 140Ce58 + 3He2 + 00.267 MeV [-12.731 MeV] (A_Pr:8)
141Pr59 + D* --> 143Nd60 + 11.122 MeV [-1.875 MeV] (A_Pr:9)

141Pr59 + 2 D* --> 122Sn50 + 23Na11 + 39.726 MeV [13.413 MeV] (A_Pr:10)
141Pr59 + 2 D* --> 123Sb51 + 22Ne10 + 37.499 MeV [11.186 MeV] (A_Pr:11)
141Pr59 + 2 D* --> 126Te52 + 19F9 + 31.803 MeV [5.489 MeV] (A_Pr:12)
141Pr59 + 2 D* --> 127I53 + 18O8 + 30.015 MeV [3.702 MeV] (A_Pr:13)
141Pr59 + 2 D* --> 130Xe54 + 15N7 + 30.031 MeV [3.717 MeV] (A_Pr:14)
141Pr59 + 2 D* --> 131Xe54 + 14N7 + 25.802 MeV [-0.511 MeV] (A_Pr:15)
141Pr59 + 2 D* --> 133Cs55 + 12C6 + 28.322 MeV [2.008 MeV] (A_Pr:16)
141Pr59 + 2 D* --> 134Ba56 + 11B5 + 20.532 MeV [-5.781 MeV] (A_Pr:17)
141Pr59 + 2 D* --> 135Ba56 + 10B5 + 16.050 MeV [-10.263 MeV] (A_Pr:18)
141Pr59 + 2 D* --> 138Ce58 + 7Li3 + 12.911 MeV [-13.403 MeV] (A_Pr:19)
141Pr59 + 2 D* --> 141Pr59 + 4He2 + 23.847 MeV [-2.467 MeV] (A_Pr:20)
141Pr59 + 2 D* --> 143Nd60 + 2H1 + 11.122 MeV [-15.191 MeV] (A_Pr:21)
141Pr59 + 2 D* --> 144Nd60 + 1H1 + 16.715 MeV [-9.599 MeV] (A_Pr:22)

141Pr59 + 3 D* --> 122Sn50 + 25Mg12 + 56.525 MeV [16.580 MeV] (A_Pr:23)
141Pr59 + 3 D* --> 125Te52 + 22Ne10 + 50.433 MeV [10.488 MeV] (A_Pr:24)
141Pr59 + 3 D* --> 126Te52 + 21Ne10 + 49.183 MeV [9.237 MeV] (A_Pr:25)
141Pr59 + 3 D* --> 129Xe54 + 18O8 + 42.865 MeV [2.920 MeV] (A_Pr:26)
141Pr59 + 3 D* --> 130Xe54 + 17O8 + 44.077 MeV [4.132 MeV] (A_Pr:27)
141Pr59 + 3 D* --> 131Xe54 + 16O8 + 46.538 MeV [6.593 MeV] (A_Pr:28)
141Pr59 + 3 D* --> 133Cs55 + 14N7 + 38.594 MeV [-1.351 MeV] (A_Pr:29)
141Pr59 + 3 D* --> 134Ba56 + 13C6 + 39.211 MeV [-0.734 MeV] (A_Pr:30)
141Pr59 + 3 D* --> 135Ba56 + 12C6 + 41.237 MeV [1.292 MeV] (A_Pr:31)
141Pr59 + 3 D* --> 138Ce58 + 9Be4 + 29.607 MeV [-10.338 MeV] (A_Pr:32)
141Pr59 + 3 D* --> 141Pr59 + 6Li3 + 25.320 MeV [-14.625 MeV] (A_Pr:33)
141Pr59 + 3 D* --> 143Nd60 + 4He2 + 34.969 MeV [-4.976 MeV] (A_Pr:34)
141Pr59 + 3 D* --> 144Nd60 + 3He2 + 22.208 MeV [-17.737 MeV] (A_Pr:35)
141Pr59 + 3 D* --> 147Sm62 + 32.658 MeV [-7.287 MeV] (A_Pr:36)

141Pr59 + 4 D* --> 122Sn50 + 27Al13 + 73.665 MeV [19.775 MeV] (A_Pr:37)
141Pr59 + 4 D* --> 123Sb51 + 26Mg12 + 71.961 MeV [18.071 MeV] (A_Pr:38)
141Pr59 + 4 D* --> 126Te52 + 23Na11 + 66.116 MeV [12.226 MeV] (A_Pr:39)
141Pr59 + 4 D* --> 127I53 + 22Ne10 + 63.530 MeV [9.640 MeV] (A_Pr:40)
141Pr59 + 4 D* --> 130Xe54 + 19F9 + 57.891 MeV [4.001 MeV] (A_Pr:41)
141Pr59 + 4 D* --> 133Cs55 + 16O8 + 59.330 MeV [5.440 MeV] (A_Pr:42)
141Pr59 + 4 D* --> 134Ba56 + 15N7 + 55.370 MeV [1.480 MeV] (A_Pr:43)
141Pr59 + 4 D* --> 135Ba56 + 14N7 + 51.509 MeV [-2.381 MeV] (A_Pr:44)
141Pr59 + 4 D* --> 138Ce58 + 11B5 + 45.423 MeV [-8.467 MeV] (A_Pr:45)
141Pr59 + 4 D* --> 142Nd60 + 7Li3 + 37.569 MeV [-16.321 MeV] (A_Pr:46)
141Pr59 + 4 D* --> 143Nd60 + 6Li3 + 36.443 MeV [-17.447 MeV] (A_Pr:47)
141Pr59 + 4 D* --> 147Sm62 + 2H1 + 32.658 MeV [-21.232 MeV] (A_Pr:48)
141Pr59 + 4 D* --> 148Sm62 + 1H1 + 38.575 MeV [-15.315 MeV] (A_Pr:49)

141Pr59 + 5 D* --> 122Sn50 + 29Si14 + 91.499 MeV [23.353 MeV] (A_Pr:50)

141Pr59 + 5 D* --> 125Te52 + 26Mg12 + 84.895 MeV [16.749 MeV] (A_Pr:51)
141Pr59 + 5 D* --> 126Te52 + 25Mg12 + 82.915 MeV [14.770 MeV] (A_Pr:52)
141Pr59 + 5 D* --> 129Xe54 + 22Ne10 + 76.380 MeV [8.234 MeV] (A_Pr:53)
141Pr59 + 5 D* --> 130Xe54 + 21Ne10 + 75.271 MeV [7.126 MeV] (A_Pr:54)
141Pr59 + 5 D* --> 131Xe54 + 20Ne10 + 75.115 MeV [6.969 MeV] (A_Pr:55)
141Pr59 + 5 D* --> 134Ba56 + 17O8 + 69.416 MeV [1.271 MeV] (A_Pr:56)
141Pr59 + 5 D* --> 135Ba56 + 16O8 + 72.245 MeV [4.100 MeV] (A_Pr:57)
141Pr59 + 5 D* --> 138Ce58 + 13C6 + 64.101 MeV [-4.044 MeV] (A_Pr:58)
141Pr59 + 5 D* --> 141Pr59 + 10B5 + 53.628 MeV [-14.518 MeV] (A_Pr:59)
141Pr59 + 5 D* --> 142Nd60 + 9Be4 + 54.265 MeV [-13.880 MeV] (A_Pr:60)
141Pr59 + 5 D* --> 147Sm62 + 4He2 + 56.505 MeV [-11.641 MeV] (A_Pr:61)
141Pr59 + 5 D* --> 148Sm62 + 3He2 + 44.069 MeV [-24.077 MeV] (A_Pr:62)

141Pr59 + 6 D* --> 82Se34 + 71Ga31 + 140.528 MeV [57.819 MeV] (A_Pr:63)
141Pr59 + 6 D* --> 116Cd48 + 37Cl17 + 113.274 MeV [30.565 MeV] (A_Pr:64)
141Pr59 + 6 D* --> 122Sn50 + 31P15 + 107.180 MeV [24.471 MeV] (A_Pr:65)
141Pr59 + 6 D* --> 123Sb51 + 30Si14 + 106.450 MeV [23.741 MeV] (A_Pr:66)
141Pr59 + 6 D* --> 126Te52 + 27Al13 + 100.055 MeV [17.346 MeV] (A_Pr:67)
141Pr59 + 6 D* --> 127I53 + 26Mg12 + 97.991 MeV [15.282 MeV] (A_Pr:68)
141Pr59 + 6 D* --> 130Xe54 + 23Na11 + 92.205 MeV [9.496 MeV] (A_Pr:69)
141Pr59 + 6 D* --> 133Cs55 + 20Ne10 + 87.906 MeV [5.197 MeV] (A_Pr:70)
141Pr59 + 6 D* --> 134Ba56 + 19F9 + 83.231 MeV [00.522 MeV] (A_Pr:71)
141Pr59 + 6 D* --> 138Ce58 + 15N7 + 80.261 MeV [-2.449 MeV] (A_Pr:72)
141Pr59 + 6 D* --> 141Pr59 + 12C6 + 78.814 MeV [-3.895 MeV] (A_Pr:73)
141Pr59 + 6 D* --> 142Nd60 + 11B5 + 70.081 MeV [-12.628 MeV] (A_Pr:74)
141Pr59 + 6 D* --> 143Nd60 + 10B5 + 64.750 MeV [-17.959 MeV] (A_Pr:75)
141Pr59 + 6 D* --> 147Sm62 + 6Li3 + 57.979 MeV [-24.730 MeV] (A_Pr:76)
141Pr59 + 6 D* --> 152Gd64 + 1H1 + 60.219 MeV [-22.490 MeV] (A_Pr:77)

141Pr59 + 7 D* --> 82Se34 + 73Ge32 + 154.821 MeV [57.242 MeV] (A_Pr:78)
141Pr59 + 7 D* --> 119Sn50 + 36S16 + 126.662 MeV [29.083 MeV] (A_Pr:79)
141Pr59 + 7 D* --> 122Sn50 + 33S16 + 122.461 MeV [24.883 MeV] (A_Pr:80)
141Pr59 + 7 D* --> 125Te52 + 30Si14 + 119.384 MeV [21.806 MeV] (A_Pr:81)
141Pr59 + 7 D* --> 126Te52 + 29Si14 + 117.889 MeV [20.310 MeV] (A_Pr:82)
141Pr59 + 7 D* --> 129Xe54 + 26Mg12 + 110.841 MeV [13.263 MeV] (A_Pr:83)
141Pr59 + 7 D* --> 130Xe54 + 25Mg12 + 109.004 MeV [11.425 MeV] (A_Pr:84)
141Pr59 + 7 D* --> 131Xe54 + 24Mg12 + 108.278 MeV [10.700 MeV] (A_Pr:85)
141Pr59 + 7 D* --> 134Ba56 + 21Ne10 + 100.611 MeV [3.032 MeV] (A_Pr:86)
141Pr59 + 7 D* --> 135Ba56 + 20Ne10 + 100.822 MeV [3.243 MeV] (A_Pr:87)
141Pr59 + 7 D* --> 138Ce58 + 17O8 + 94.306 MeV [-3.272 MeV] (A_Pr:88)
141Pr59 + 7 D* --> 141Pr59 + 14N7 + 89.087 MeV [-8.492 MeV] (A_Pr:89)
141Pr59 + 7 D* --> 142Nd60 + 13C6 + 88.759 MeV [-8.819 MeV] (A_Pr:90)
141Pr59 + 7 D* --> 143Nd60 + 12C6 + 89.937 MeV [-7.642 MeV] (A_Pr:91)
141Pr59 + 7 D* --> 152Gd64 + 3He2 + 65.712 MeV [-31.866 MeV] (A_Pr:92)

141Pr59 + 8 D* --> 82Se34 + 75As33 + 169.691 MeV [56.940 MeV] (A_Pr:93)
141Pr59 + 8 D* --> 81Br35 + 76Ge32 + 170.253 MeV [57.502 MeV] (A_Pr:94)
141Pr59 + 8 D* --> 86Kr36 + 71Ga31 + 172.471 MeV [59.720 MeV] (A_Pr:95)
141Pr59 + 8 D* --> 87Rb37 + 70Zn30 + 173.227 MeV [60.476 MeV] (A_Pr:96)
141Pr59 + 8 D* --> 109Ag47 + 48Ca20 + 152.002 MeV [39.251 MeV] (A_Pr:97)
141Pr59 + 8 D* --> 116Cd48 + 41K19 + 143.343 MeV [30.592 MeV] (A_Pr:98)
141Pr59 + 8 D* --> 120Sn50 + 37Cl17 + 141.931 MeV [29.181 MeV] (A_Pr:99)
141Pr59 + 8 D* --> 122Sn50 + 35Cl17 + 138.024 MeV [25.274 MeV] (A_Pr:100)
141Pr59 + 8 D* --> 121Sb51 + 36S16 + 139.324 MeV [26.573 MeV] (A_Pr:101)

141Pr59 + 8 D* --> 123Sb51 + 34S16 + 138.221 MeV [25.470 MeV] (A_Pr:102)
141Pr59 + 8 D* --> 126Te52 + 31P15 + 133.570 MeV [20.819 MeV] (A_Pr:103)
141Pr59 + 8 D* --> 127I53 + 30Si14 + 132.481 MeV [19.730 MeV] (A_Pr:104)
141Pr59 + 8 D* --> 130Xe54 + 27Al13 + 126.143 MeV [13.392 MeV] (A_Pr:105)
141Pr59 + 8 D* --> 133Cs55 + 24Mg12 + 121.069 MeV [8.319 MeV] (A_Pr:106)
141Pr59 + 8 D* --> 134Ba56 + 23Na11 + 117.545 MeV [4.794 MeV] (A_Pr:107)
141Pr59 + 8 D* --> 138Ce58 + 19F9 + 108.121 MeV [-4.630 MeV] (A_Pr:108)
141Pr59 + 8 D* --> 141Pr59 + 16O8 + 109.823 MeV [-2.928 MeV] (A_Pr:109)
141Pr59 + 8 D* --> 142Nd60 + 15N7 + 104.919 MeV [-7.832 MeV] (A_Pr:110)
141Pr59 + 8 D* --> 143Nd60 + 14N7 + 100.209 MeV [-12.542 MeV] (A_Pr:111)
141Pr59 + 8 D* --> 147Sm62 + 10B5 + 86.286 MeV [-26.465 MeV] (A_Pr:112)
141Pr59 + 8 D* --> 156Dy66 + 1H1 + 82.306 MeV [-30.445 MeV] (A_Pr:113)

141Pr59 + 9 D* --> 82Se34 + 77Se34 + 184.394 MeV [56.170 MeV] (A_Pr:114)
141Pr59 + 9 D* --> 83Kr36 + 76Ge32 + 185.395 MeV [57.171 MeV] (A_Pr:115)
141Pr59 + 9 D* --> 86Kr36 + 73Ge32 + 186.764 MeV [58.539 MeV] (A_Pr:116)
141Pr59 + 9 D* --> 110Pd46 + 49Ti22 + 169.109 MeV [40.884 MeV] (A_Pr:117)
141Pr59 + 9 D* --> 111Cd48 + 48Ca20 + 165.672 MeV [37.448 MeV] (A_Pr:118)
141Pr59 + 9 D* --> 113Cd48 + 46Ca20 + 164.385 MeV [36.161 MeV] (A_Pr:119)
141Pr59 + 9 D* --> 116Cd48 + 43Ca20 + 159.329 MeV [31.104 MeV] (A_Pr:120)
141Pr59 + 9 D* --> 119Sn50 + 40Ar18 + 157.309 MeV [29.084 MeV] (A_Pr:121)
141Pr59 + 9 D* --> 123Te52 + 36S16 + 152.037 MeV [23.812 MeV] (A_Pr:122)
141Pr59 + 9 D* --> 125Te52 + 34S16 + 151.155 MeV [22.930 MeV] (A_Pr:123)
141Pr59 + 9 D* --> 126Te52 + 33S16 + 148.851 MeV [20.627 MeV] (A_Pr:124)
141Pr59 + 9 D* --> 129Xe54 + 30Si14 + 145.331 MeV [17.106 MeV] (A_Pr:125)
141Pr59 + 9 D* --> 130Xe54 + 29Si14 + 143.977 MeV [15.753 MeV] (A_Pr:126)
141Pr59 + 9 D* --> 131Xe54 + 28Si14 + 142.109 MeV [13.884 MeV] (A_Pr:127)
141Pr59 + 9 D* --> 134Ba56 + 25Mg12 + 134.343 MeV [6.119 MeV] (A_Pr:128)
141Pr59 + 9 D* --> 135Ba56 + 24Mg12 + 133.985 MeV [5.760 MeV] (A_Pr:129)
141Pr59 + 9 D* --> 138Ce58 + 21Ne10 + 125.501 MeV [-2.724 MeV] (A_Pr:130)
141Pr59 + 9 D* --> 142Nd60 + 17O8 + 118.965 MeV [-9.260 MeV] (A_Pr:131)
141Pr59 + 9 D* --> 143Nd60 + 16O8 + 120.945 MeV [-7.279 MeV] (A_Pr:132)
141Pr59 + 9 D* --> 147Sm62 + 12C6 + 111.473 MeV [-16.752 MeV] (A_Pr:133)
141Pr59 + 9 D* --> 156Dy66 + 3He2 + 87.799 MeV [-40.425 MeV] (A_Pr:134)

141Pr59 + 10 D* --> 82Se34 + 79Br35 + 198.999 MeV [55.002 MeV] (A_Pr:135)
141Pr59 + 10 D* --> 81Br35 + 80Se34 + 201.071 MeV [57.074 MeV] (A_Pr:136)
141Pr59 + 10 D* --> 86Kr36 + 75As33 + 201.634 MeV [57.638 MeV] (A_Pr:137)
141Pr59 + 10 D* --> 85Rb37 + 76Ge32 + 200.717 MeV [56.720 MeV] (A_Pr:138)
141Pr59 + 10 D* --> 87Rb37 + 74Ge32 + 203.357 MeV [59.360 MeV] (A_Pr:139)
141Pr59 + 10 D* --> 96Zr40 + 65Cu29 + 198.043 MeV [54.046 MeV] (A_Pr:140)
141Pr59 + 10 D* --> 110Pd46 + 51V23 + 185.887 MeV [41.890 MeV] (A_Pr:141)
141Pr59 + 10 D* --> 116Cd48 + 45Sc21 + 175.124 MeV [31.127 MeV] (A_Pr:142)
141Pr59 + 10 D* --> 113In49 + 48Ca20 + 178.920 MeV [34.923 MeV] (A_Pr:143)
141Pr59 + 10 D* --> 115In49 + 46Ca20 + 178.008 MeV [34.011 MeV] (A_Pr:144)
141Pr59 + 10 D* --> 120Sn50 + 41K19 + 172.000 MeV [28.004 MeV] (A_Pr:145)
141Pr59 + 10 D* --> 122Sn50 + 39K19 + 169.089 MeV [25.093 MeV] (A_Pr:146)
141Pr59 + 10 D* --> 121Sb51 + 40Ar18 + 169.971 MeV [25.975 MeV] (A_Pr:147)
141Pr59 + 10 D* --> 123Sb51 + 38Ar18 + 169.275 MeV [25.278 MeV] (A_Pr:148)
141Pr59 + 10 D* --> 124Te52 + 37Cl17 + 167.622 MeV [23.626 MeV] (A_Pr:149)
141Pr59 + 10 D* --> 126Te52 + 35Cl17 + 164.414 MeV [20.418 MeV] (A_Pr:150)
141Pr59 + 10 D* --> 127I53 + 34S16 + 164.251 MeV [20.254 MeV] (A_Pr:151)
141Pr59 + 10 D* --> 130Xe54 + 31P15 + 159.659 MeV [15.662 MeV] (A_Pr:152)
141Pr59 + 10 D* --> 133Cs55 + 28Si14 + 154.900 MeV [10.903 MeV] (A_Pr:153)

141Pr59 + 10 D* --> 134Ba56 + 27Al13 + 151.483 MeV [7.486 MeV] (A_Pr:154)
141Pr59 + 10 D* --> 138Ce58 + 23Na11 + 142.435 MeV [-1.562 MeV] (A_Pr:155)
141Pr59 + 10 D* --> 141Pr59 + 20Ne10 + 138.399 MeV [-5.598 MeV] (A_Pr:156)
141Pr59 + 10 D* --> 142Nd60 + 19F9 + 132.779 MeV [-11.218 MeV] (A_Pr:157)
141Pr59 + 10 D* --> 147Sm62 + 14N7 + 121.745 MeV [-22.252 MeV] (A_Pr:158)

141Pr59 + 11 D* --> 83Kr36 + 80Se34 + 216.214 MeV [56.148 MeV] (A_Pr:159)
141Pr59 + 11 D* --> 86Kr36 + 77Se34 + 216.337 MeV [56.271 MeV] (A_Pr:160)
141Pr59 + 11 D* --> 87Sr38 + 76Ge32 + 216.566 MeV [56.500 MeV] (A_Pr:161)
141Pr59 + 11 D* --> 96Zr40 + 67Zn30 + 211.795 MeV [51.730 MeV] (A_Pr:162)
141Pr59 + 11 D* --> 110Pd46 + 53Cr24 + 202.106 MeV [42.040 MeV] (A_Pr:163)
141Pr59 + 11 D* --> 113Cd48 + 50Ti22 + 198.948 MeV [38.882 MeV] (A_Pr:164)
141Pr59 + 11 D* --> 114Cd48 + 49Ti22 + 197.052 MeV [36.986 MeV] (A_Pr:165)
141Pr59 + 11 D* --> 116Cd48 + 47Ti22 + 192.124 MeV [32.058 MeV] (A_Pr:166)
141Pr59 + 11 D* --> 115Sn50 + 48Ca20 + 192.722 MeV [32.656 MeV] (A_Pr:167)
141Pr59 + 11 D* --> 117Sn50 + 46Ca20 + 192.007 MeV [31.941 MeV] (A_Pr:168)
141Pr59 + 11 D* --> 119Sn50 + 44Ca20 + 190.009 MeV [29.943 MeV] (A_Pr:169)
141Pr59 + 11 D* --> 120Sn50 + 43Ca20 + 187.986 MeV [27.920 MeV] (A_Pr:170)
141Pr59 + 11 D* --> 123Sb51 + 40K19 + 181.231 MeV [21.166 MeV] (A_Pr:171)
141Pr59 + 11 D* --> 123Te52 + 40Ar18 + 182.684 MeV [22.618 MeV] (A_Pr:172)
141Pr59 + 11 D* --> 125Te52 + 38Ar18 + 182.209 MeV [22.143 MeV] (A_Pr:173)
141Pr59 + 11 D* --> 129Xe54 + 34S16 + 177.101 MeV [17.035 MeV] (A_Pr:174)
141Pr59 + 11 D* --> 130Xe54 + 33S16 + 174.940 MeV [14.874 MeV] (A_Pr:175)
141Pr59 + 11 D* --> 131Xe54 + 32S16 + 172.903 MeV [12.837 MeV] (A_Pr:176)
141Pr59 + 11 D* --> 134Ba56 + 29Si14 + 169.317 MeV [9.251 MeV] (A_Pr:177)
141Pr59 + 11 D* --> 135Ba56 + 28Si14 + 167.815 MeV [7.750 MeV] (A_Pr:178)
141Pr59 + 11 D* --> 138Ce58 + 25Mg12 + 159.233 MeV [-0.832 MeV] (A_Pr:179)
141Pr59 + 11 D* --> 142Nd60 + 21Ne10 + 150.159 MeV [-9.907 MeV] (A_Pr:180)
141Pr59 + 11 D* --> 143Nd60 + 20Ne10 + 149.521 MeV [-10.544 MeV] (A_Pr:181)
141Pr59 + 11 D* --> 147Sm62 + 16O8 + 142.481 MeV [-17.585 MeV] (A_Pr:182)

141Pr59 + 12 D* --> 84Kr36 + 81Br35 + 232.014 MeV [55.584 MeV] (A_Pr:183)
141Pr59 + 12 D* --> 86Kr36 + 79Br35 + 230.942 MeV [54.513 MeV] (A_Pr:184)
141Pr59 + 12 D* --> 85Rb37 + 80Se34 + 231.535 MeV [55.106 MeV] (A_Pr:185)
141Pr59 + 12 D* --> 87Rb37 + 78Se34 + 233.232 MeV [56.802 MeV] (A_Pr:186)
141Pr59 + 12 D* --> 89Y39 + 76Ge32 + 232.523 MeV [56.093 MeV] (A_Pr:187)
141Pr59 + 12 D* --> 94Zr40 + 71Ga31 + 229.015 MeV [52.586 MeV] (A_Pr:188)
141Pr59 + 12 D* --> 96Zr40 + 69Ga31 + 226.378 MeV [49.949 MeV] (A_Pr:189)
141Pr59 + 12 D* --> 100Mo42 + 65Cu29 + 225.056 MeV [48.627 MeV] (A_Pr:190)
141Pr59 + 12 D* --> 110Pd46 + 55Mn25 + 217.668 MeV [41.238 MeV] (A_Pr:191)
141Pr59 + 12 D* --> 114Cd48 + 51V23 + 213.830 MeV [37.401 MeV] (A_Pr:192)
141Pr59 + 12 D* --> 115In49 + 50Ti22 + 212.571 MeV [36.142 MeV] (A_Pr:193)
141Pr59 + 12 D* --> 120Sn50 + 45Sc21 + 203.781 MeV [27.351 MeV] (A_Pr:194)
141Pr59 + 12 D* --> 121Sb51 + 44Ca20 + 202.671 MeV [26.242 MeV] (A_Pr:195)
141Pr59 + 12 D* --> 123Sb51 + 42Ca20 + 199.379 MeV [22.950 MeV] (A_Pr:196)
141Pr59 + 12 D* --> 124Te52 + 41K19 + 197.691 MeV [21.262 MeV] (A_Pr:197)
141Pr59 + 12 D* --> 125Te52 + 40K19 + 194.165 MeV [17.736 MeV] (A_Pr:198)
141Pr59 + 12 D* --> 126Te52 + 39K19 + 195.479 MeV [19.050 MeV] (A_Pr:199)
141Pr59 + 12 D* --> 127I53 + 38Ar18 + 195.305 MeV [18.876 MeV] (A_Pr:200)
141Pr59 + 12 D* --> 128Xe54 + 37Cl17 + 193.229 MeV [16.800 MeV] (A_Pr:201)
141Pr59 + 12 D* --> 130Xe54 + 35Cl17 + 190.503 MeV [14.074 MeV] (A_Pr:202)
141Pr59 + 12 D* --> 133Cs55 + 32S16 + 185.694 MeV [9.265 MeV] (A_Pr:203)
141Pr59 + 12 D* --> 134Ba56 + 31P15 + 184.999 MeV [8.569 MeV] (A_Pr:204)
141Pr59 + 12 D* --> 138Ce58 + 27Al13 + 176.373 MeV [-0.056 MeV] (A_Pr:205)

141Pr59 + 12 D* --> 141Pr59 + 24Mg12 + 171.562 MeV [-4.867 MeV] (A_Pr:206)
141Pr59 + 12 D* --> 142Nd60 + 23Na11 + 167.093 MeV [-9.336 MeV] (A_Pr:207)

---------- Equations follow for Neodymium, Nd, element 60 ----------

142Nd60 + D* --> 123Sb51 + 21Ne10 + 22.136 MeV [8.949 MeV] (A_Nd:1)
142Nd60 + D* --> 125Te52 + 19F9 + 17.690 MeV [4.503 MeV] (A_Nd:2)
142Nd60 + D* --> 127I53 + 17O8 + 16.972 MeV [3.785 MeV] (A_Nd:3)
142Nd60 + D* --> 129Xe54 + 15N7 + 15.776 MeV [2.589 MeV] (A_Nd:4)
142Nd60 + D* --> 130Xe54 + 14N7 + 14.199 MeV [1.012 MeV] (A_Nd:5)
142Nd60 + D* --> 134Ba56 + 10B5 + 4.080 MeV [-9.107 MeV] (A_Nd:6)
142Nd60 + D* --> 138Ce58 + 6Li3 + 00.662 MeV [-12.525 MeV] (A_Nd:7)
142Nd60 + D* --> 143Nd60 + 1H1 + 3.899 MeV [-9.288 MeV] (A_Nd:8)

142Nd60 + 2 D* --> 76Ge32 + 70Zn30 + 83.094 MeV [56.403 MeV] (A_Nd:9)
142Nd60 + 2 D* --> 82Se34 + 64Ni28 + 85.010 MeV [58.319 MeV] (A_Nd:10)
142Nd60 + 2 D* --> 96Zr40 + 50Ti22 + 77.186 MeV [50.495 MeV] (A_Nd:11)
142Nd60 + 2 D* --> 98Mo42 + 48Ca20 + 72.642 MeV [45.951 MeV] (A_Nd:12)
142Nd60 + 2 D* --> 100Mo42 + 46Ca20 + 69.636 MeV [42.945 MeV] (A_Nd:13)
142Nd60 + 2 D* --> 110Pd46 + 36S16 + 59.329 MeV [32.639 MeV] (A_Nd:14)
142Nd60 + 2 D* --> 116Cd48 + 30Si14 + 53.469 MeV [26.778 MeV] (A_Nd:15)
142Nd60 + 2 D* --> 120Sn50 + 26Mg12 + 47.636 MeV [20.945 MeV] (A_Nd:16)
142Nd60 + 2 D* --> 122Sn50 + 24Mg12 + 44.196 MeV [17.505 MeV] (A_Nd:17)
142Nd60 + 2 D* --> 123Sb51 + 23Na11 + 39.070 MeV [12.379 MeV] (A_Nd:18)
142Nd60 + 2 D* --> 124Te52 + 22Ne10 + 38.866 MeV [12.175 MeV] (A_Nd:19)
142Nd60 + 2 D* --> 125Te52 + 21Ne10 + 35.070 MeV [8.379 MeV] (A_Nd:20)
142Nd60 + 2 D* --> 126Te52 + 20Ne10 + 37.423 MeV [10.732 MeV] (A_Nd:21)
142Nd60 + 2 D* --> 127I53 + 19F9 + 30.787 MeV [4.096 MeV] (A_Nd:22)
142Nd60 + 2 D* --> 128Xe54 + 18O8 + 30.958 MeV [4.267 MeV] (A_Nd:23)
142Nd60 + 2 D* --> 129Xe54 + 17O8 + 29.822 MeV [3.132 MeV] (A_Nd:24)
142Nd60 + 2 D* --> 130Xe54 + 16O8 + 34.935 MeV [8.244 MeV] (A_Nd:25)
142Nd60 + 2 D* --> 134Ba56 + 12C6 + 29.266 MeV [2.575 MeV] (A_Nd:26)
142Nd60 + 2 D* --> 142Nd60 + 4He2 + 23.847 MeV [-2.844 MeV] (A_Nd:27)
142Nd60 + 2 D* --> 143Nd60 + 3He2 + 9.392 MeV [-17.298 MeV] (A_Nd:28)

142Nd60 + 3 D* --> 123Sb51 + 25Mg12 + 55.869 MeV [15.361 MeV] (A_Nd:29)
142Nd60 + 3 D* --> 125Te52 + 23Na11 + 52.004 MeV [11.496 MeV] (A_Nd:30)
142Nd60 + 3 D* --> 127I53 + 21Ne10 + 48.167 MeV [7.658 MeV] (A_Nd:31)
142Nd60 + 3 D* --> 129Xe54 + 19F9 + 43.637 MeV [3.128 MeV] (A_Nd:32)
142Nd60 + 3 D* --> 134Ba56 + 14N7 + 39.538 MeV [-0.970 MeV] (A_Nd:33)
142Nd60 + 3 D* --> 138Ce58 + 10B5 + 28.970 MeV [-11.539 MeV] (A_Nd:34)
142Nd60 + 3 D* --> 142Nd60 + 6Li3 + 25.320 MeV [-15.188 MeV] (A_Nd:35)
142Nd60 + 3 D* --> 147Sm62 + 1H1 + 25.435 MeV [-15.073 MeV] (A_Nd:36)

142Nd60 + 4 D* --> 76Ge32 + 74Ge32 + 113.223 MeV [58.586 MeV] (A_Nd:37)
142Nd60 + 4 D* --> 80Se34 + 70Zn30 + 113.912 MeV [59.275 MeV] (A_Nd:38)
142Nd60 + 4 D* --> 82Se34 + 68Zn30 + 114.189 MeV [59.552 MeV] (A_Nd:39)
142Nd60 + 4 D* --> 86Kr36 + 64Ni28 + 116.953 MeV [62.315 MeV] (A_Nd:40)
142Nd60 + 4 D* --> 96Zr40 + 54Cr24 + 108.963 MeV [54.326 MeV] (A_Nd:41)
142Nd60 + 4 D* --> 100Mo42 + 50Ti22 + 104.199 MeV [49.561 MeV] (A_Nd:42)
142Nd60 + 4 D* --> 102Ru44 + 48Ca20 + 99.900 MeV [45.263 MeV] (A_Nd:43)
142Nd60 + 4 D* --> 104Ru44 + 46Ca20 + 97.812 MeV [43.174 MeV] (A_Nd:44)
142Nd60 + 4 D* --> 110Pd46 + 40Ar18 + 89.977 MeV [35.339 MeV] (A_Nd:45)
142Nd60 + 4 D* --> 114Cd48 + 36S16 + 87.273 MeV [32.635 MeV] (A_Nd:46)

142Nd60 + 4 D* --> 116Cd48 + 34S16 + 85.239 MeV [30.602 MeV] (A_Nd:47)
142Nd60 + 4 D* --> 120Sn50 + 30Si14 + 82.126 MeV [27.488 MeV] (A_Nd:48)
142Nd60 + 4 D* --> 122Sn50 + 28Si14 + 78.026 MeV [23.389 MeV] (A_Nd:49)
142Nd60 + 4 D* --> 123Sb51 + 27Al13 + 73.008 MeV [18.371 MeV] (A_Nd:50)
142Nd60 + 4 D* --> 124Te52 + 26Mg12 + 73.327 MeV [18.690 MeV] (A_Nd:51)
142Nd60 + 4 D* --> 125Te52 + 25Mg12 + 68.803 MeV [14.165 MeV] (A_Nd:52)
142Nd60 + 4 D* --> 126Te52 + 24Mg12 + 70.586 MeV [15.949 MeV] (A_Nd:53)
142Nd60 + 4 D* --> 127I53 + 23Na11 + 65.101 MeV [10.463 MeV] (A_Nd:54)
142Nd60 + 4 D* --> 128Xe54 + 22Ne10 + 64.472 MeV [9.835 MeV] (A_Nd:55)
142Nd60 + 4 D* --> 129Xe54 + 21Ne10 + 61.017 MeV [6.380 MeV] (A_Nd:56)
142Nd60 + 4 D* --> 130Xe54 + 20Ne10 + 63.511 MeV [8.874 MeV] (A_Nd:57)
142Nd60 + 4 D* --> 132Ba56 + 18O8 + 55.804 MeV [1.167 MeV] (A_Nd:58)
142Nd60 + 4 D* --> 134Ba56 + 16O8 + 60.275 MeV [5.637 MeV] (A_Nd:59)
142Nd60 + 4 D* --> 138Ce58 + 12C6 + 54.156 MeV [-0.481 MeV] (A_Nd:60)
142Nd60 + 4 D* --> 147Sm62 + 3He2 + 30.929 MeV [-23.709 MeV] (A_Nd:61)

142Nd60 + 5 D* --> 123Sb51 + 29Si14 + 90.843 MeV [21.768 MeV] (A_Nd:62)
142Nd60 + 5 D* --> 125Te52 + 27Al13 + 85.942 MeV [16.867 MeV] (A_Nd:63)
142Nd60 + 5 D* --> 127I53 + 25Mg12 + 81.899 MeV [12.824 MeV] (A_Nd:64)
142Nd60 + 5 D* --> 129Xe54 + 23Na11 + 77.951 MeV [8.876 MeV] (A_Nd:65)
142Nd60 + 5 D* --> 138Ce58 + 14N7 + 64.429 MeV [-4.647 MeV] (A_Nd:66)
142Nd60 + 5 D* --> 142Nd60 + 10B5 + 53.628 MeV [-15.447 MeV] (A_Nd:67)

142Nd60 + 6 D* --> 78Se34 + 76Ge32 + 143.098 MeV [59.279 MeV] (A_Nd:68)
142Nd60 + 6 D* --> 80Se34 + 74Ge32 + 144.042 MeV [60.222 MeV] (A_Nd:69)
142Nd60 + 6 D* --> 82Se34 + 72Ge32 + 143.039 MeV [59.220 MeV] (A_Nd:70)
142Nd60 + 6 D* --> 84Kr36 + 70Zn30 + 144.855 MeV [61.036 MeV] (A_Nd:71)
142Nd60 + 6 D* --> 86Kr36 + 68Zn30 + 146.132 MeV [62.313 MeV] (A_Nd:72)
142Nd60 + 6 D* --> 96Zr40 + 58Fe26 + 140.455 MeV [56.636 MeV] (A_Nd:73)
142Nd60 + 6 D* --> 100Mo42 + 54Cr24 + 135.976 MeV [52.157 MeV] (A_Nd:74)
142Nd60 + 6 D* --> 104Ru44 + 50Ti22 + 132.375 MeV [48.555 MeV] (A_Nd:75)
142Nd60 + 6 D* --> 106Pd46 + 48Ca20 + 126.976 MeV [43.157 MeV] (A_Nd:76)
142Nd60 + 6 D* --> 108Pd46 + 46Ca20 + 125.519 MeV [41.699 MeV] (A_Nd:77)
142Nd60 + 6 D* --> 110Pd46 + 44Ca20 + 122.677 MeV [38.858 MeV] (A_Nd:78)
142Nd60 + 6 D* --> 114Cd48 + 40Ar18 + 117.920 MeV [34.101 MeV] (A_Nd:79)
142Nd60 + 6 D* --> 116Cd48 + 38Ar18 + 116.293 MeV [32.474 MeV] (A_Nd:80)
142Nd60 + 6 D* --> 118Sn50 + 36S16 + 115.179 MeV [31.360 MeV] (A_Nd:81)
142Nd60 + 6 D* --> 120Sn50 + 34S16 + 113.896 MeV [30.077 MeV] (A_Nd:82)
142Nd60 + 6 D* --> 122Sn50 + 32S16 + 108.821 MeV [25.002 MeV] (A_Nd:83)
142Nd60 + 6 D* --> 123Sb51 + 31P15 + 106.524 MeV [22.705 MeV] (A_Nd:84)
142Nd60 + 6 D* --> 124Te52 + 30Si14 + 107.817 MeV [23.997 MeV] (A_Nd:85)
142Nd60 + 6 D* --> 125Te52 + 29Si14 + 103.776 MeV [19.957 MeV] (A_Nd:86)
142Nd60 + 6 D* --> 126Te52 + 28Si14 + 104.417 MeV [20.597 MeV] (A_Nd:87)
142Nd60 + 6 D* --> 127I53 + 27Al13 + 99.039 MeV [15.220 MeV] (A_Nd:88)
142Nd60 + 6 D* --> 128Xe54 + 26Mg12 + 98.934 MeV [15.115 MeV] (A_Nd:89)
142Nd60 + 6 D* --> 129Xe54 + 25Mg12 + 94.749 MeV [10.930 MeV] (A_Nd:90)
142Nd60 + 6 D* --> 130Xe54 + 24Mg12 + 96.674 MeV [12.855 MeV] (A_Nd:91)
142Nd60 + 6 D* --> 132Ba56 + 22Ne10 + 89.319 MeV [5.499 MeV] (A_Nd:92)
142Nd60 + 6 D* --> 134Ba56 + 20Ne10 + 88.851 MeV [5.032 MeV] (A_Nd:93)
142Nd60 + 6 D* --> 136Ce58 + 18O8 + 80.109 MeV [-3.710 MeV] (A_Nd:94)
142Nd60 + 6 D* --> 138Ce58 + 16O8 + 85.165 MeV [1.345 MeV] (A_Nd:95)
142Nd60 + 6 D* --> 142Nd60 + 12C6 + 78.814 MeV [-5.005 MeV] (A_Nd:96)

142Nd60 + 7 D* --> 116Cd48 + 40K19 + 128.249 MeV [29.382 MeV] (A_Nd:97)

142Nd60 + 7 D* --> 119Sn50 + 37Cl17 + 127.825 MeV [28.957 MeV] (A_Nd:98)
142Nd60 + 7 D* --> 123Sb51 + 33S16 + 121.805 MeV [22.938 MeV] (A_Nd:99)
142Nd60 + 7 D* --> 125Te52 + 31P15 + 119.458 MeV [20.591 MeV] (A_Nd:100)
142Nd60 + 7 D* --> 127I53 + 29Si14 + 116.873 MeV [18.006 MeV] (A_Nd:101)
142Nd60 + 7 D* --> 129Xe54 + 27Al13 + 111.889 MeV [13.022 MeV] (A_Nd:102)
142Nd60 + 7 D* --> 142Nd60 + 14N7 + 89.087 MeV [-9.781 MeV] (A_Nd:103)

142Nd60 + 8 D* --> 80Se34 + 78Se34 + 173.917 MeV [59.699 MeV] (A_Nd:104)
142Nd60 + 8 D* --> 82Se34 + 76Se34 + 171.977 MeV [57.759 MeV] (A_Nd:105)
142Nd60 + 8 D* --> 82Kr36 + 76Ge32 + 172.933 MeV [58.716 MeV] (A_Nd:106)
142Nd60 + 8 D* --> 84Kr36 + 74Ge32 + 174.984 MeV [60.767 MeV] (A_Nd:107)
142Nd60 + 8 D* --> 86Kr36 + 72Ge32 + 174.982 MeV [60.765 MeV] (A_Nd:108)
142Nd60 + 8 D* --> 87Rb37 + 71Ga31 + 173.869 MeV [59.651 MeV] (A_Nd:109)
142Nd60 + 8 D* --> 88Sr38 + 70Zn30 + 176.617 MeV [62.400 MeV] (A_Nd:110)
142Nd60 + 8 D* --> 94Zr40 + 64Ni28 + 173.497 MeV [59.279 MeV] (A_Nd:111)
142Nd60 + 8 D* --> 96Zr40 + 62Ni28 + 171.319 MeV [57.102 MeV] (A_Nd:112)
142Nd60 + 8 D* --> 100Mo42 + 58Fe26 + 167.468 MeV [53.251 MeV] (A_Nd:113)
142Nd60 + 8 D* --> 104Ru44 + 54Cr24 + 164.152 MeV [49.935 MeV] (A_Nd:114)
142Nd60 + 8 D* --> 108Pd46 + 50Ti22 + 160.082 MeV [45.864 MeV] (A_Nd:115)
142Nd60 + 8 D* --> 110Pd46 + 48Ti22 + 155.967 MeV [41.750 MeV] (A_Nd:116)
142Nd60 + 8 D* --> 110Cd48 + 48Ca20 + 153.698 MeV [39.480 MeV] (A_Nd:117)
142Nd60 + 8 D* --> 112Cd48 + 46Ca20 + 152.846 MeV [38.629 MeV] (A_Nd:118)
142Nd60 + 8 D* --> 114Cd48 + 44Ca20 + 150.620 MeV [36.403 MeV] (A_Nd:119)
142Nd60 + 8 D* --> 116Cd48 + 42Ca20 + 146.397 MeV [32.180 MeV] (A_Nd:120)
142Nd60 + 8 D* --> 118Sn50 + 40Ar18 + 145.827 MeV [31.609 MeV] (A_Nd:121)
142Nd60 + 8 D* --> 120Sn50 + 38Ar18 + 144.950 MeV [30.733 MeV] (A_Nd:122)
142Nd60 + 8 D* --> 122Sn50 + 36Ar18 + 139.308 MeV [25.091 MeV] (A_Nd:123)
142Nd60 + 8 D* --> 121Sb51 + 37Cl17 + 140.487 MeV [26.270 MeV] (A_Nd:124)
142Nd60 + 8 D* --> 123Sb51 + 35Cl17 + 137.368 MeV [23.151 MeV] (A_Nd:125)
142Nd60 + 8 D* --> 122Te52 + 36S16 + 140.109 MeV [25.891 MeV] (A_Nd:126)
142Nd60 + 8 D* --> 124Te52 + 34S16 + 139.587 MeV [25.370 MeV] (A_Nd:127)
142Nd60 + 8 D* --> 125Te52 + 33S16 + 134.739 MeV [20.522 MeV] (A_Nd:128)
142Nd60 + 8 D* --> 126Te52 + 32S16 + 135.211 MeV [20.994 MeV] (A_Nd:129)
142Nd60 + 8 D* --> 127I53 + 31P15 + 132.555 MeV [18.337 MeV] (A_Nd:130)
142Nd60 + 8 D* --> 128Xe54 + 30Si14 + 133.424 MeV [19.206 MeV] (A_Nd:131)
142Nd60 + 8 D* --> 129Xe54 + 29Si14 + 129.723 MeV [15.506 MeV] (A_Nd:132)
142Nd60 + 8 D* --> 130Xe54 + 28Si14 + 130.505 MeV [16.288 MeV] (A_Nd:133)
142Nd60 + 8 D* --> 132Ba56 + 26Mg12 + 123.780 MeV [9.563 MeV] (A_Nd:134)
142Nd60 + 8 D* --> 134Ba56 + 24Mg12 + 122.014 MeV [7.797 MeV] (A_Nd:135)
142Nd60 + 8 D* --> 136Ce58 + 22Ne10 + 113.624 MeV [-0.594 MeV] (A_Nd:136)
142Nd60 + 8 D* --> 138Ce58 + 20Ne10 + 113.741 MeV [-0.476 MeV] (A_Nd:137)
142Nd60 + 8 D* --> 142Nd60 + 16O8 + 109.823 MeV [-4.394 MeV] (A_Nd:138)

142Nd60 + 9 D* --> 87Rb37 + 73Ge32 + 188.162 MeV [58.295 MeV] (A_Nd:139)
142Nd60 + 9 D* --> 110Pd46 + 50V23 + 169.837 MeV [39.971 MeV] (A_Nd:140)
142Nd60 + 9 D* --> 119Sn50 + 41K19 + 157.894 MeV [28.027 MeV] (A_Nd:141)
142Nd60 + 9 D* --> 120Sn50 + 40K19 + 156.907 MeV [27.040 MeV] (A_Nd:142)
142Nd60 + 9 D* --> 123Te52 + 37Cl17 + 153.200 MeV [23.333 MeV] (A_Nd:143)
142Nd60 + 9 D* --> 125Te52 + 35Cl17 + 150.302 MeV [20.436 MeV] (A_Nd:144)
142Nd60 + 9 D* --> 127I53 + 33S16 + 147.835 MeV [17.969 MeV] (A_Nd:145)
142Nd60 + 9 D* --> 129Xe54 + 31P15 + 145.405 MeV [15.538 MeV] (A_Nd:146)

142Nd60 + 10 D* --> 82Se34 + 80Kr36 + 200.889 MeV [55.075 MeV] (A_Nd:147)
142Nd60 + 10 D* --> 81Br35 + 81Br35 + 201.352 MeV [55.539 MeV] (A_Nd:148)

142Nd60 + 10 D* --> 82Kr36 + 80Se34 + 203.751 MeV [57.938 MeV] (A_Nd:149)
142Nd60 + 10 D* --> 84Kr36 + 78Se34 + 204.859 MeV [59.046 MeV] (A_Nd:150)
142Nd60 + 10 D* --> 86Kr36 + 76Se34 + 203.920 MeV [58.107 MeV] (A_Nd:151)
142Nd60 + 10 D* --> 87Rb37 + 75As33 + 203.032 MeV [57.219 MeV] (A_Nd:152)
142Nd60 + 10 D* --> 86Sr38 + 76Ge32 + 203.139 MeV [57.326 MeV] (A_Nd:153)
142Nd60 + 10 D* --> 88Sr38 + 74Ge32 + 206.746 MeV [60.933 MeV] (A_Nd:154)
142Nd60 + 10 D* --> 92Zr40 + 70Zn30 + 203.421 MeV [57.607 MeV] (A_Nd:155)
142Nd60 + 10 D* --> 94Zr40 + 68Zn30 + 202.676 MeV [56.863 MeV] (A_Nd:156)
142Nd60 + 10 D* --> 96Zr40 + 66Zn30 + 199.744 MeV [53.931 MeV] (A_Nd:157)
142Nd60 + 10 D* --> 98Mo42 + 64Ni28 + 200.613 MeV [54.800 MeV] (A_Nd:158)
142Nd60 + 10 D* --> 100Mo42 + 62Ni28 + 198.332 MeV [52.519 MeV] (A_Nd:159)
142Nd60 + 10 D* --> 104Ru44 + 58Fe26 + 195.644 MeV [49.831 MeV] (A_Nd:160)
142Nd60 + 10 D* --> 108Pd46 + 54Cr24 + 191.859 MeV [46.046 MeV] (A_Nd:161)
142Nd60 + 10 D* --> 110Pd46 + 52Cr24 + 189.168 MeV [43.355 MeV] (A_Nd:162)
142Nd60 + 10 D* --> 112Cd48 + 50Ti22 + 187.409 MeV [41.596 MeV] (A_Nd:163)
142Nd60 + 10 D* --> 113Cd48 + 49Ti22 + 183.010 MeV [37.197 MeV] (A_Nd:164)
142Nd60 + 10 D* --> 114Cd48 + 48Ti22 + 183.911 MeV [38.098 MeV] (A_Nd:165)
142Nd60 + 10 D* --> 116Cd48 + 46Ti22 + 178.245 MeV [32.432 MeV] (A_Nd:166)
142Nd60 + 10 D* --> 114Sn50 + 48Ca20 + 180.177 MeV [34.364 MeV] (A_Nd:167)
142Nd60 + 10 D* --> 116Sn50 + 46Ca20 + 180.065 MeV [34.252 MeV] (A_Nd:168)
142Nd60 + 10 D* --> 118Sn50 + 44Ca20 + 178.527 MeV [32.713 MeV] (A_Nd:169)
142Nd60 + 10 D* --> 119Sn50 + 43Ca20 + 173.879 MeV [28.066 MeV] (A_Nd:170)
142Nd60 + 10 D* --> 120Sn50 + 42Ca20 + 175.054 MeV [29.241 MeV] (A_Nd:171)
142Nd60 + 10 D* --> 122Sn50 + 40Ca20 + 170.194 MeV [24.381 MeV] (A_Nd:172)
142Nd60 + 10 D* --> 121Sb51 + 41K19 + 170.556 MeV [24.743 MeV] (A_Nd:173)
142Nd60 + 10 D* --> 123Sb51 + 39K19 + 168.433 MeV [22.620 MeV] (A_Nd:174)
142Nd60 + 10 D* --> 122Te52 + 40Ar18 + 170.756 MeV [24.943 MeV] (A_Nd:175)
142Nd60 + 10 D* --> 124Te52 + 38Ar18 + 170.641 MeV [24.828 MeV] (A_Nd:176)
142Nd60 + 10 D* --> 126Te52 + 36Ar18 + 165.698 MeV [19.885 MeV] (A_Nd:177)
142Nd60 + 10 D* --> 127I53 + 35Cl17 + 163.399 MeV [17.586 MeV] (A_Nd:178)
142Nd60 + 10 D* --> 126Xe54 + 36S16 + 165.235 MeV [19.422 MeV] (A_Nd:179)
142Nd60 + 10 D* --> 128Xe54 + 34S16 + 165.194 MeV [19.381 MeV] (A_Nd:180)
142Nd60 + 10 D* --> 129Xe54 + 33S16 + 160.685 MeV [14.872 MeV] (A_Nd:181)
142Nd60 + 10 D* --> 130Xe54 + 32S16 + 161.299 MeV [15.486 MeV] (A_Nd:182)
142Nd60 + 10 D* --> 132Ba56 + 30Si14 + 158.270 MeV [12.457 MeV] (A_Nd:183)
142Nd60 + 10 D* --> 134Ba56 + 28Si14 + 155.845 MeV [10.032 MeV] (A_Nd:184)
142Nd60 + 10 D* --> 136Ce58 + 26Mg12 + 148.085 MeV [2.272 MeV] (A_Nd:185)
142Nd60 + 10 D* --> 138Ce58 + 24Mg12 + 146.904 MeV [1.091 MeV] (A_Nd:186)
142Nd60 + 10 D* --> 142Nd60 + 20Ne10 + 138.399 MeV [-7.414 MeV] (A_Nd:187)
142Nd60 + 10 D* --> 144Sm62 + 18O8 + 128.156 MeV [-17.658 MeV] (A_Nd:188)

142Nd60 + 11 D* --> 83Kr36 + 81Br35 + 216.494 MeV [54.439 MeV] (A_Nd:189)
142Nd60 + 11 D* --> 87Rb37 + 77Se34 + 217.735 MeV [55.680 MeV] (A_Nd:190)
142Nd60 + 11 D* --> 113Cd48 + 51V23 + 199.788 MeV [37.734 MeV] (A_Nd:191)
142Nd60 + 11 D* --> 114Cd48 + 50V23 + 197.780 MeV [35.725 MeV] (A_Nd:192)
142Nd60 + 11 D* --> 115In49 + 49Ti22 + 196.633 MeV [34.578 MeV] (A_Nd:193)
142Nd60 + 11 D* --> 119Sn50 + 45Sc21 + 189.674 MeV [27.619 MeV] (A_Nd:194)
142Nd60 + 11 D* --> 121Sb51 + 43Ca20 + 186.541 MeV [24.487 MeV] (A_Nd:195)
142Nd60 + 11 D* --> 123Te52 + 41K19 + 183.269 MeV [21.214 MeV] (A_Nd:196)
142Nd60 + 11 D* --> 124Te52 + 40K19 + 182.597 MeV [20.543 MeV] (A_Nd:197)
142Nd60 + 11 D* --> 125Te52 + 39K19 + 181.367 MeV [19.312 MeV] (A_Nd:198)
142Nd60 + 11 D* --> 129Xe54 + 35Cl17 + 176.249 MeV [14.194 MeV] (A_Nd:199)

142Nd60 + 12 D* --> 83Kr36 + 83Kr36 + 231.637 MeV [53.047 MeV] (A_Nd:200)

142Nd60 + 12 D* --> 84Kr36 + 82Kr36 + 234.694 MeV [56.104 MeV] (A_Nd:201)
142Nd60 + 12 D* --> 86Kr36 + 80Kr36 + 232.832 MeV [54.242 MeV] (A_Nd:202)
142Nd60 + 12 D* --> 85Rb37 + 81Br35 + 231.816 MeV [53.226 MeV] (A_Nd:203)
142Nd60 + 12 D* --> 87Rb37 + 79Br35 + 232.340 MeV [53.750 MeV] (A_Nd:204)
142Nd60 + 12 D* --> 84Sr38 + 82Se34 + 229.911 MeV [51.322 MeV] (A_Nd:205)
142Nd60 + 12 D* --> 86Sr38 + 80Se34 + 233.957 MeV [55.367 MeV] (A_Nd:206)
142Nd60 + 12 D* --> 88Sr38 + 78Se34 + 236.621 MeV [58.032 MeV] (A_Nd:207)
142Nd60 + 12 D* --> 90Zr40 + 76Ge32 + 233.654 MeV [55.064 MeV] (A_Nd:208)
142Nd60 + 12 D* --> 92Zr40 + 74Ge32 + 233.550 MeV [54.960 MeV] (A_Nd:209)
142Nd60 + 12 D* --> 94Zr40 + 72Ge32 + 231.526 MeV [52.937 MeV] (A_Nd:210)
142Nd60 + 12 D* --> 96Zr40 + 70Ge32 + 227.679 MeV [49.090 MeV] (A_Nd:211)
142Nd60 + 12 D* --> 96Mo42 + 70Zn30 + 230.029 MeV [51.439 MeV] (A_Nd:212)
142Nd60 + 12 D* --> 98Mo42 + 68Zn30 + 229.792 MeV [51.203 MeV] (A_Nd:213)
142Nd60 + 12 D* --> 100Mo42 + 66Zn30 + 226.757 MeV [48.168 MeV] (A_Nd:214)
142Nd60 + 12 D* --> 102Ru44 + 64Ni28 + 227.871 MeV [49.281 MeV] (A_Nd:215)
142Nd60 + 12 D* --> 104Ru44 + 62Ni28 + 226.508 MeV [47.919 MeV] (A_Nd:216)
142Nd60 + 12 D* --> 108Pd46 + 58Fe26 + 223.351 MeV [44.762 MeV] (A_Nd:217)
142Nd60 + 12 D* --> 110Pd46 + 56Fe26 + 220.628 MeV [42.038 MeV] (A_Nd:218)
142Nd60 + 12 D* --> 112Cd48 + 54Cr24 + 219.187 MeV [40.597 MeV] (A_Nd:219)
142Nd60 + 12 D* --> 113Cd48 + 53Cr24 + 216.007 MeV [37.418 MeV] (A_Nd:220)
142Nd60 + 12 D* --> 114Cd48 + 52Cr24 + 217.111 MeV [38.522 MeV] (A_Nd:221)
142Nd60 + 12 D* --> 116Cd48 + 50Cr24 + 210.652 MeV [32.063 MeV] (A_Nd:222)
142Nd60 + 12 D* --> 115In49 + 51V23 + 213.411 MeV [34.822 MeV] (A_Nd:223)
142Nd60 + 12 D* --> 116Sn50 + 50Ti22 + 214.628 MeV [36.039 MeV] (A_Nd:224)
142Nd60 + 12 D* --> 117Sn50 + 49Ti22 + 210.632 MeV [32.043 MeV] (A_Nd:225)
142Nd60 + 12 D* --> 118Sn50 + 48Ti22 + 211.817 MeV [33.228 MeV] (A_Nd:226)
142Nd60 + 12 D* --> 119Sn50 + 47Ti22 + 206.674 MeV [28.085 MeV] (A_Nd:227)
142Nd60 + 12 D* --> 120Sn50 + 46Ti22 + 206.902 MeV [28.312 MeV] (A_Nd:228)
142Nd60 + 12 D* --> 121Sb51 + 45Sc21 + 202.336 MeV [23.747 MeV] (A_Nd:229)
142Nd60 + 12 D* --> 120Te52 + 46Ca20 + 204.213 MeV [25.624 MeV] (A_Nd:230)
142Nd60 + 12 D* --> 122Te52 + 44Ca20 + 203.456 MeV [24.866 MeV] (A_Nd:231)
142Nd60 + 12 D* --> 123Te52 + 43Ca20 + 199.254 MeV [20.664 MeV] (A_Nd:232)
142Nd60 + 12 D* --> 124Te52 + 42Ca20 + 200.745 MeV [22.156 MeV] (A_Nd:233)
142Nd60 + 12 D* --> 126Te52 + 40Ca20 + 196.584 MeV [17.995 MeV] (A_Nd:234)
142Nd60 + 12 D* --> 127I53 + 39K19 + 194.464 MeV [15.874 MeV] (A_Nd:235)
142Nd60 + 12 D* --> 126Xe54 + 40Ar18 + 195.882 MeV [17.292 MeV] (A_Nd:236)
142Nd60 + 12 D* --> 128Xe54 + 38Ar18 + 196.248 MeV [17.659 MeV] (A_Nd:237)
142Nd60 + 12 D* --> 130Xe54 + 36Ar18 + 191.787 MeV [13.197 MeV] (A_Nd:238)
142Nd60 + 12 D* --> 130Ba56 + 36S16 + 189.599 MeV [11.010 MeV] (A_Nd:239)
142Nd60 + 12 D* --> 132Ba56 + 34S16 + 190.040 MeV [11.451 MeV] (A_Nd:240)
142Nd60 + 12 D* --> 134Ba56 + 32S16 + 186.639 MeV [8.049 MeV] (A_Nd:241)
142Nd60 + 12 D* --> 136Ce58 + 30Si14 + 182.575 MeV [3.985 MeV] (A_Nd:242)
142Nd60 + 12 D* --> 138Ce58 + 28Si14 + 180.735 MeV [2.145 MeV] (A_Nd:243)
142Nd60 + 12 D* --> 142Nd60 + 24Mg12 + 171.562 MeV [-7.027 MeV] (A_Nd:244)
142Nd60 + 12 D* --> 144Sm62 + 22Ne10 + 161.670 MeV [-16.919 MeV] (A_Nd:245)

143Nd60 + D* --> 122Sn50 + 23Na11 + 28.604 MeV [15.447 MeV] (A_Nd:246)
143Nd60 + D* --> 123Sb51 + 22Ne10 + 26.377 MeV [13.220 MeV] (A_Nd:247)
143Nd60 + D* --> 126Te52 + 19F9 + 20.680 MeV [7.524 MeV] (A_Nd:248)
143Nd60 + D* --> 127I53 + 18O8 + 18.893 MeV [5.736 MeV] (A_Nd:249)
143Nd60 + D* --> 130Xe54 + 15N7 + 18.909 MeV [5.752 MeV] (A_Nd:250)
143Nd60 + D* --> 131Xe54 + 14N7 + 14.680 MeV [1.523 MeV] (A_Nd:251)
143Nd60 + D* --> 133Cs55 + 12C6 + 17.199 MeV [4.043 MeV] (A_Nd:252)
143Nd60 + D* --> 134Ba56 + 11B5 + 9.410 MeV [-3.747 MeV] (A_Nd:253)

143Nd60 + D* --> 135Ba56 + 10B5 + 4.928 MeV [-8.229 MeV] (A_Nd:254)
143Nd60 + D* --> 138Ce58 + 7Li3 + 1.789 MeV [-11.368 MeV] (A_Nd:255)
143Nd60 + D* --> 141Pr59 + 4He2 + 12.724 MeV [-0.432 MeV] (A_Nd:256)
143Nd60 + D* --> 144Nd60 + 1H1 + 5.592 MeV [-7.564 MeV] (A_Nd:257)

143Nd60 + 2 D* --> 122Sn50 + 25Mg12 + 45.403 MeV [18.773 MeV] (A_Nd:258)
143Nd60 + 2 D* --> 125Te52 + 22Ne10 + 39.311 MeV [12.681 MeV] (A_Nd:259)
143Nd60 + 2 D* --> 126Te52 + 21Ne10 + 38.060 MeV [11.430 MeV] (A_Nd:260)
143Nd60 + 2 D* --> 129Xe54 + 18O8 + 31.743 MeV [5.113 MeV] (A_Nd:261)
143Nd60 + 2 D* --> 130Xe54 + 17O8 + 32.955 MeV [6.324 MeV] (A_Nd:262)
143Nd60 + 2 D* --> 131Xe54 + 16O8 + 35.416 MeV [8.786 MeV] (A_Nd:263)
143Nd60 + 2 D* --> 133Cs55 + 14N7 + 27.472 MeV [00.841 MeV] (A_Nd:264)
143Nd60 + 2 D* --> 134Ba56 + 13C6 + 28.089 MeV [1.459 MeV] (A_Nd:265)
143Nd60 + 2 D* --> 135Ba56 + 12C6 + 30.115 MeV [3.484 MeV] (A_Nd:266)
143Nd60 + 2 D* --> 138Ce58 + 9Be4 + 18.485 MeV [-8.145 MeV] (A_Nd:267)
143Nd60 + 2 D* --> 141Pr59 + 6Li3 + 14.198 MeV [-12.432 MeV] (A_Nd:268)
143Nd60 + 2 D* --> 143Nd60 + 4He2 + 23.847 MeV [-2.784 MeV] (A_Nd:269)
143Nd60 + 2 D* --> 144Nd60 + 3He2 + 11.086 MeV [-15.544 MeV] (A_Nd:270)
143Nd60 + 2 D* --> 147Sm62 + 21.536 MeV [-5.094 MeV] (A_Nd:271)

143Nd60 + 3 D* --> 122Sn50 + 27Al13 + 62.542 MeV [22.125 MeV] (A_Nd:272)
143Nd60 + 3 D* --> 123Sb51 + 26Mg12 + 60.838 MeV [20.421 MeV] (A_Nd:273)
143Nd60 + 3 D* --> 126Te52 + 23Na11 + 54.994 MeV [14.577 MeV] (A_Nd:274)
143Nd60 + 3 D* --> 127I53 + 22Ne10 + 52.408 MeV [11.990 MeV] (A_Nd:275)
143Nd60 + 3 D* --> 130Xe54 + 19F9 + 46.769 MeV [6.351 MeV] (A_Nd:276)
143Nd60 + 3 D* --> 133Cs55 + 16O8 + 48.208 MeV [7.790 MeV] (A_Nd:277)
143Nd60 + 3 D* --> 134Ba56 + 15N7 + 44.248 MeV [3.831 MeV] (A_Nd:278)
143Nd60 + 3 D* --> 135Ba56 + 14N7 + 40.387 MeV [-0.031 MeV] (A_Nd:279)
143Nd60 + 3 D* --> 138Ce58 + 11B5 + 34.300 MeV [-6.117 MeV] (A_Nd:280)
143Nd60 + 3 D* --> 142Nd60 + 7Li3 + 26.447 MeV [-13.971 MeV] (A_Nd:281)
143Nd60 + 3 D* --> 143Nd60 + 6Li3 + 25.320 MeV [-15.097 MeV] (A_Nd:282)
143Nd60 + 3 D* --> 147Sm62 + 2H1 + 21.536 MeV [-18.881 MeV] (A_Nd:283)
143Nd60 + 3 D* --> 148Sm62 + 1H1 + 27.453 MeV [-12.965 MeV] (A_Nd:284)

143Nd60 + 4 D* --> 122Sn50 + 29Si14 + 80.376 MeV [25.860 MeV] (A_Nd:285)
143Nd60 + 4 D* --> 125Te52 + 26Mg12 + 73.772 MeV [19.256 MeV] (A_Nd:286)
143Nd60 + 4 D* --> 126Te52 + 25Mg12 + 71.793 MeV [17.276 MeV] (A_Nd:287)
143Nd60 + 4 D* --> 129Xe54 + 22Ne10 + 65.258 MeV [10.741 MeV] (A_Nd:288)
143Nd60 + 4 D* --> 130Xe54 + 21Ne10 + 64.149 MeV [9.633 MeV] (A_Nd:289)
143Nd60 + 4 D* --> 131Xe54 + 20Ne10 + 63.993 MeV [9.476 MeV] (A_Nd:290)
143Nd60 + 4 D* --> 134Ba56 + 17O8 + 58.294 MeV [3.778 MeV] (A_Nd:291)
143Nd60 + 4 D* --> 135Ba56 + 16O8 + 61.123 MeV [6.607 MeV] (A_Nd:292)
143Nd60 + 4 D* --> 138Ce58 + 13C6 + 52.979 MeV [-1.537 MeV] (A_Nd:293)
143Nd60 + 4 D* --> 141Pr59 + 10B5 + 42.506 MeV [-12.011 MeV] (A_Nd:294)
143Nd60 + 4 D* --> 142Nd60 + 9Be4 + 43.143 MeV [-11.373 MeV] (A_Nd:295)
143Nd60 + 4 D* --> 147Sm62 + 4He2 + 45.383 MeV [-9.134 MeV] (A_Nd:296)
143Nd60 + 4 D* --> 148Sm62 + 3He2 + 32.946 MeV [-21.570 MeV] (A_Nd:297)

143Nd60 + 5 D* --> 82Se34 + 71Ga31 + 129.405 MeV [60.481 MeV] (A_Nd:298)
143Nd60 + 5 D* --> 116Cd48 + 37Cl17 + 102.152 MeV [33.228 MeV] (A_Nd:299)
143Nd60 + 5 D* --> 122Sn50 + 31P15 + 96.058 MeV [27.134 MeV] (A_Nd:300)
143Nd60 + 5 D* --> 123Sb51 + 30Si14 + 95.328 MeV [26.404 MeV] (A_Nd:301)
143Nd60 + 5 D* --> 126Te52 + 27Al13 + 88.932 MeV [20.008 MeV] (A_Nd:302)
143Nd60 + 5 D* --> 127I53 + 26Mg12 + 86.869 MeV [17.945 MeV] (A_Nd:303)

143Nd60 + 5 D* --> 130Xe54 + 23Na11 + 81.083 MeV [12.158 MeV] (A_Nd:304)
143Nd60 + 5 D* --> 133Cs55 + 20Ne10 + 76.784 MeV [7.860 MeV] (A_Nd:305)
143Nd60 + 5 D* --> 134Ba56 + 19F9 + 72.108 MeV [3.184 MeV] (A_Nd:306)
143Nd60 + 5 D* --> 138Ce58 + 15N7 + 69.138 MeV [00.214 MeV] (A_Nd:307)
143Nd60 + 5 D* --> 141Pr59 + 12C6 + 67.692 MeV [-1.232 MeV] (A_Nd:308)
143Nd60 + 5 D* --> 142Nd60 + 11B5 + 58.958 MeV [-9.966 MeV] (A_Nd:309)
143Nd60 + 5 D* --> 143Nd60 + 10B5 + 53.628 MeV [-15.296 MeV] (A_Nd:310)
143Nd60 + 5 D* --> 147Sm62 + 6Li3 + 46.856 MeV [-22.068 MeV] (A_Nd:311)
143Nd60 + 5 D* --> 152Gd64 + 1H1 + 49.096 MeV [-19.828 MeV] (A_Nd:312)

143Nd60 + 6 D* --> 82Se34 + 73Ge32 + 143.698 MeV [60.060 MeV] (A_Nd:313)
143Nd60 + 6 D* --> 119Sn50 + 36S16 + 115.539 MeV [31.901 MeV] (A_Nd:314)
143Nd60 + 6 D* --> 122Sn50 + 33S16 + 111.339 MeV [27.700 MeV] (A_Nd:315)
143Nd60 + 6 D* --> 125Te52 + 30Si14 + 108.262 MeV [24.623 MeV] (A_Nd:316)
143Nd60 + 6 D* --> 126Te52 + 29Si14 + 106.767 MeV [23.128 MeV] (A_Nd:317)
143Nd60 + 6 D* --> 129Xe54 + 26Mg12 + 99.719 MeV [16.080 MeV] (A_Nd:318)
143Nd60 + 6 D* --> 130Xe54 + 25Mg12 + 97.881 MeV [14.243 MeV] (A_Nd:319)
143Nd60 + 6 D* --> 131Xe54 + 24Mg12 + 97.156 MeV [13.517 MeV] (A_Nd:320)
143Nd60 + 6 D* --> 134Ba56 + 21Ne10 + 89.489 MeV [5.850 MeV] (A_Nd:321)
143Nd60 + 6 D* --> 135Ba56 + 20Ne10 + 89.699 MeV [6.061 MeV] (A_Nd:322)
143Nd60 + 6 D* --> 138Ce58 + 17O8 + 83.184 MeV [-0.454 MeV] (A_Nd:323)
143Nd60 + 6 D* --> 141Pr59 + 14N7 + 77.964 MeV [-5.674 MeV] (A_Nd:324)
143Nd60 + 6 D* --> 142Nd60 + 13C6 + 77.637 MeV [-6.001 MeV] (A_Nd:325)
143Nd60 + 6 D* --> 143Nd60 + 12C6 + 78.814 MeV [-4.824 MeV] (A_Nd:326)
143Nd60 + 6 D* --> 152Gd64 + 3He2 + 54.590 MeV [-29.049 MeV] (A_Nd:327)

143Nd60 + 7 D* --> 82Se34 + 75As33 + 158.569 MeV [59.912 MeV] (A_Nd:328)
143Nd60 + 7 D* --> 81Br35 + 76Ge32 + 159.130 MeV [60.473 MeV] (A_Nd:329)
143Nd60 + 7 D* --> 86Kr36 + 71Ga31 + 161.348 MeV [62.691 MeV] (A_Nd:330)
143Nd60 + 7 D* --> 87Rb37 + 70Zn30 + 162.105 MeV [63.448 MeV] (A_Nd:331)
143Nd60 + 7 D* --> 109Ag47 + 48Ca20 + 140.879 MeV [42.222 MeV] (A_Nd:332)
143Nd60 + 7 D* --> 116Cd48 + 41K19 + 132.221 MeV [33.564 MeV] (A_Nd:333)
143Nd60 + 7 D* --> 120Sn50 + 37Cl17 + 130.809 MeV [32.152 MeV] (A_Nd:334)
143Nd60 + 7 D* --> 122Sn50 + 35Cl17 + 126.902 MeV [28.245 MeV] (A_Nd:335)
143Nd60 + 7 D* --> 121Sb51 + 36S16 + 128.202 MeV [29.545 MeV] (A_Nd:336)
143Nd60 + 7 D* --> 123Sb51 + 34S16 + 127.099 MeV [28.442 MeV] (A_Nd:337)
143Nd60 + 7 D* --> 126Te52 + 31P15 + 122.448 MeV [23.791 MeV] (A_Nd:338)
143Nd60 + 7 D* --> 127I53 + 30Si14 + 121.359 MeV [22.702 MeV] (A_Nd:339)
143Nd60 + 7 D* --> 130Xe54 + 27Al13 + 115.021 MeV [16.364 MeV] (A_Nd:340)
143Nd60 + 7 D* --> 133Cs55 + 24Mg12 + 109.947 MeV [11.290 MeV] (A_Nd:341)
143Nd60 + 7 D* --> 134Ba56 + 23Na11 + 106.422 MeV [7.765 MeV] (A_Nd:342)
143Nd60 + 7 D* --> 138Ce58 + 19F9 + 96.999 MeV [-1.658 MeV] (A_Nd:343)
143Nd60 + 7 D* --> 141Pr59 + 16O8 + 98.700 MeV [00.043 MeV] (A_Nd:344)
143Nd60 + 7 D* --> 142Nd60 + 15N7 + 93.796 MeV [-4.861 MeV] (A_Nd:345)
143Nd60 + 7 D* --> 143Nd60 + 14N7 + 89.087 MeV [-9.570 MeV] (A_Nd:346)
143Nd60 + 7 D* --> 147Sm62 + 10B5 + 75.164 MeV [-23.493 MeV] (A_Nd:347)
143Nd60 + 7 D* --> 156Dy66 + 1H1 + 71.183 MeV [-27.474 MeV] (A_Nd:348)

143Nd60 + 8 D* --> 82Se34 + 77Se34 + 173.272 MeV [59.295 MeV] (A_Nd:349)
143Nd60 + 8 D* --> 83Kr36 + 76Ge32 + 174.273 MeV [60.296 MeV] (A_Nd:350)
143Nd60 + 8 D* --> 86Kr36 + 73Ge32 + 175.641 MeV [61.664 MeV] (A_Nd:351)
143Nd60 + 8 D* --> 110Pd46 + 49Ti22 + 157.986 MeV [44.009 MeV] (A_Nd:352)
143Nd60 + 8 D* --> 111Cd48 + 48Ca20 + 154.550 MeV [40.573 MeV] (A_Nd:353)
143Nd60 + 8 D* --> 113Cd48 + 46Ca20 + 153.263 MeV [39.285 MeV] (A_Nd:354)

143Nd60 + 8 D* --> 116Cd48 + 43Ca20 + 148.206 MeV [34.229 MeV] (A_Nd:355)
143Nd60 + 8 D* --> 119Sn50 + 40Ar18 + 146.187 MeV [32.209 MeV] (A_Nd:356)
143Nd60 + 8 D* --> 123Te52 + 36S16 + 140.914 MeV [26.937 MeV] (A_Nd:357)
143Nd60 + 8 D* --> 125Te52 + 34S16 + 140.032 MeV [26.055 MeV] (A_Nd:358)
143Nd60 + 8 D* --> 126Te52 + 33S16 + 137.729 MeV [23.752 MeV] (A_Nd:359)
143Nd60 + 8 D* --> 129Xe54 + 30Si14 + 134.209 MeV [20.231 MeV] (A_Nd:360)
143Nd60 + 8 D* --> 130Xe54 + 29Si14 + 132.855 MeV [18.878 MeV] (A_Nd:361)
143Nd60 + 8 D* --> 131Xe54 + 28Si14 + 130.986 MeV [17.009 MeV] (A_Nd:362)
143Nd60 + 8 D* --> 134Ba56 + 25Mg12 + 123.221 MeV [9.244 MeV] (A_Nd:363)
143Nd60 + 8 D* --> 135Ba56 + 24Mg12 + 122.862 MeV [8.885 MeV] (A_Nd:364)
143Nd60 + 8 D* --> 138Ce58 + 21Ne10 + 114.379 MeV [00.401 MeV] (A_Nd:365)
143Nd60 + 8 D* --> 142Nd60 + 17O8 + 107.842 MeV [-6.135 MeV] (A_Nd:366)
143Nd60 + 8 D* --> 143Nd60 + 16O8 + 109.823 MeV [-4.154 MeV] (A_Nd:367)
143Nd60 + 8 D* --> 147Sm62 + 12C6 + 100.350 MeV [-13.627 MeV] (A_Nd:368)
143Nd60 + 8 D* --> 156Dy66 + 3He2 + 76.677 MeV [-37.300 MeV] (A_Nd:369)

143Nd60 + 9 D* --> 82Se34 + 79Br35 + 187.877 MeV [58.279 MeV] (A_Nd:370)
143Nd60 + 9 D* --> 81Br35 + 80Se34 + 189.949 MeV [60.352 MeV] (A_Nd:371)
143Nd60 + 9 D* --> 86Kr36 + 75As33 + 190.512 MeV [60.915 MeV] (A_Nd:372)
143Nd60 + 9 D* --> 85Rb37 + 76Ge32 + 189.594 MeV [59.997 MeV] (A_Nd:373)
143Nd60 + 9 D* --> 87Rb37 + 74Ge32 + 192.234 MeV [62.637 MeV] (A_Nd:374)
143Nd60 + 9 D* --> 96Zr40 + 65Cu29 + 186.921 MeV [57.323 MeV] (A_Nd:375)
143Nd60 + 9 D* --> 110Pd46 + 51V23 + 174.765 MeV [45.168 MeV] (A_Nd:376)
143Nd60 + 9 D* --> 116Cd48 + 45Sc21 + 164.001 MeV [34.404 MeV] (A_Nd:377)
143Nd60 + 9 D* --> 113In49 + 48Ca20 + 167.798 MeV [38.201 MeV] (A_Nd:378)
143Nd60 + 9 D* --> 115In49 + 46Ca20 + 166.886 MeV [37.289 MeV] (A_Nd:379)
143Nd60 + 9 D* --> 120Sn50 + 41K19 + 160.878 MeV [31.281 MeV] (A_Nd:380)
143Nd60 + 9 D* --> 122Sn50 + 39K19 + 157.967 MeV [28.370 MeV] (A_Nd:381)
143Nd60 + 9 D* --> 121Sb51 + 40Ar18 + 158.849 MeV [29.252 MeV] (A_Nd:382)
143Nd60 + 9 D* --> 123Sb51 + 38Ar18 + 158.153 MeV [28.556 MeV] (A_Nd:383)
143Nd60 + 9 D* --> 124Te52 + 37Cl17 + 156.500 MeV [26.903 MeV] (A_Nd:384)
143Nd60 + 9 D* --> 126Te52 + 35Cl17 + 153.292 MeV [23.695 MeV] (A_Nd:385)
143Nd60 + 9 D* --> 127I53 + 34S16 + 153.129 MeV [23.532 MeV] (A_Nd:386)
143Nd60 + 9 D* --> 130Xe54 + 31P15 + 148.537 MeV [18.940 MeV] (A_Nd:387)
143Nd60 + 9 D* --> 133Cs55 + 28Si14 + 143.778 MeV [14.181 MeV] (A_Nd:388)
143Nd60 + 9 D* --> 134Ba56 + 27Al13 + 140.361 MeV [10.763 MeV] (A_Nd:389)
143Nd60 + 9 D* --> 138Ce58 + 23Na11 + 131.312 MeV [1.715 MeV] (A_Nd:390)
143Nd60 + 9 D* --> 141Pr59 + 20Ne10 + 127.277 MeV [-2.320 MeV] (A_Nd:391)
143Nd60 + 9 D* --> 142Nd60 + 19F9 + 121.657 MeV [-7.940 MeV] (A_Nd:392)
143Nd60 + 9 D* --> 147Sm62 + 14N7 + 110.623 MeV [-18.974 MeV] (A_Nd:393)

143Nd60 + 10 D* --> 83Kr36 + 80Se34 + 205.091 MeV [59.577 MeV] (A_Nd:394)
143Nd60 + 10 D* --> 86Kr36 + 77Se34 + 205.215 MeV [59.701 MeV] (A_Nd:395)
143Nd60 + 10 D* --> 87Sr38 + 76Ge32 + 205.443 MeV [59.929 MeV] (A_Nd:396)
143Nd60 + 10 D* --> 96Zr40 + 67Zn30 + 200.673 MeV [55.159 MeV] (A_Nd:397)
143Nd60 + 10 D* --> 110Pd46 + 53Cr24 + 190.984 MeV [45.469 MeV] (A_Nd:398)
143Nd60 + 10 D* --> 113Cd48 + 50Ti22 + 187.826 MeV [42.311 MeV] (A_Nd:399)
143Nd60 + 10 D* --> 114Cd48 + 49Ti22 + 185.930 MeV [40.415 MeV] (A_Nd:400)
143Nd60 + 10 D* --> 116Cd48 + 47Ti22 + 181.002 MeV [35.487 MeV] (A_Nd:401)
143Nd60 + 10 D* --> 115Sn50 + 48Ca20 + 181.600 MeV [36.086 MeV] (A_Nd:402)
143Nd60 + 10 D* --> 117Sn50 + 46Ca20 + 180.885 MeV [35.370 MeV] (A_Nd:403)
143Nd60 + 10 D* --> 119Sn50 + 44Ca20 + 178.887 MeV [33.372 MeV] (A_Nd:404)
143Nd60 + 10 D* --> 120Sn50 + 43Ca20 + 176.863 MeV [31.349 MeV] (A_Nd:405)
143Nd60 + 10 D* --> 123Sb51 + 40K19 + 170.109 MeV [24.595 MeV] (A_Nd:406)

143Nd60 + 10 D* --> 123Te52 + 40Ar18 + 171.562 MeV [26.047 MeV] (A_Nd:407)
143Nd60 + 10 D* --> 125Te52 + 38Ar18 + 171.087 MeV [25.572 MeV] (A_Nd:408)
143Nd60 + 10 D* --> 129Xe54 + 34S16 + 165.979 MeV [20.465 MeV] (A_Nd:409)
143Nd60 + 10 D* --> 130Xe54 + 33S16 + 163.817 MeV [18.303 MeV] (A_Nd:410)
143Nd60 + 10 D* --> 131Xe54 + 32S16 + 161.781 MeV [16.266 MeV] (A_Nd:411)
143Nd60 + 10 D* --> 134Ba56 + 29Si14 + 158.195 MeV [12.680 MeV] (A_Nd:412)
143Nd60 + 10 D* --> 135Ba56 + 28Si14 + 156.693 MeV [11.179 MeV] (A_Nd:413)
143Nd60 + 10 D* --> 138Ce58 + 25Mg12 + 148.111 MeV [2.597 MeV] (A_Nd:414)
143Nd60 + 10 D* --> 142Nd60 + 21Ne10 + 139.037 MeV [-6.478 MeV] (A_Nd:415)
143Nd60 + 10 D* --> 143Nd60 + 20Ne10 + 138.399 MeV [-7.115 MeV] (A_Nd:416)
143Nd60 + 10 D* --> 147Sm62 + 16O8 + 131.359 MeV [-14.155 MeV] (A_Nd:417)

143Nd60 + 11 D* --> 84Kr36 + 81Br35 + 220.891 MeV [59.165 MeV] (A_Nd:418)
143Nd60 + 11 D* --> 86Kr36 + 79Br35 + 219.820 MeV [58.093 MeV] (A_Nd:419)
143Nd60 + 11 D* --> 85Rb37 + 80Se34 + 220.413 MeV [58.686 MeV] (A_Nd:420)
143Nd60 + 11 D* --> 87Rb37 + 78Se34 + 222.109 MeV [60.383 MeV] (A_Nd:421)
143Nd60 + 11 D* --> 89Y39 + 76Ge32 + 221.400 MeV [59.674 MeV] (A_Nd:422)
143Nd60 + 11 D* --> 94Zr40 + 71Ga31 + 217.893 MeV [56.166 MeV] (A_Nd:423)
143Nd60 + 11 D* --> 96Zr40 + 69Ga31 + 215.256 MeV [53.529 MeV] (A_Nd:424)
143Nd60 + 11 D* --> 100Mo42 + 65Cu29 + 213.933 MeV [52.207 MeV] (A_Nd:425)
143Nd60 + 11 D* --> 110Pd46 + 55Mn25 + 206.545 MeV [44.818 MeV] (A_Nd:426)
143Nd60 + 11 D* --> 114Cd48 + 51V23 + 202.708 MeV [40.981 MeV] (A_Nd:427)
143Nd60 + 11 D* --> 115In49 + 50Ti22 + 201.449 MeV [39.722 MeV] (A_Nd:428)
143Nd60 + 11 D* --> 120Sn50 + 45Sc21 + 192.658 MeV [30.932 MeV] (A_Nd:429)
143Nd60 + 11 D* --> 121Sb51 + 44Ca20 + 191.549 MeV [29.822 MeV] (A_Nd:430)
143Nd60 + 11 D* --> 123Sb51 + 42Ca20 + 188.257 MeV [26.530 MeV] (A_Nd:431)
143Nd60 + 11 D* --> 124Te52 + 41K19 + 186.569 MeV [24.842 MeV] (A_Nd:432)
143Nd60 + 11 D* --> 125Te52 + 40K19 + 183.043 MeV [21.316 MeV] (A_Nd:433)
143Nd60 + 11 D* --> 126Te52 + 39K19 + 184.357 MeV [22.630 MeV] (A_Nd:434)
143Nd60 + 11 D* --> 127I53 + 38Ar18 + 184.183 MeV [22.456 MeV] (A_Nd:435)
143Nd60 + 11 D* --> 128Xe54 + 37Cl17 + 182.107 MeV [20.380 MeV] (A_Nd:436)
143Nd60 + 11 D* --> 130Xe54 + 35Cl17 + 179.381 MeV [17.654 MeV] (A_Nd:437)
143Nd60 + 11 D* --> 133Cs55 + 32S16 + 174.572 MeV [12.845 MeV] (A_Nd:438)
143Nd60 + 11 D* --> 134Ba56 + 31P15 + 173.876 MeV [12.149 MeV] (A_Nd:439)
143Nd60 + 11 D* --> 138Ce58 + 27Al13 + 165.251 MeV [3.524 MeV] (A_Nd:440)
143Nd60 + 11 D* --> 141Pr59 + 24Mg12 + 160.440 MeV [-1.287 MeV] (A_Nd:441)
143Nd60 + 11 D* --> 142Nd60 + 23Na11 + 155.971 MeV [-5.756 MeV] (A_Nd:442)

143Nd60 + 12 D* --> 84Kr36 + 83Kr36 + 236.034 MeV [57.802 MeV] (A_Nd:443)
143Nd60 + 12 D* --> 87Sr38 + 80Se34 + 236.262 MeV [58.029 MeV] (A_Nd:444)
143Nd60 + 12 D* --> 91Zr40 + 76Ge32 + 234.725 MeV [56.492 MeV] (A_Nd:445)
143Nd60 + 12 D* --> 94Zr40 + 73Ge32 + 232.186 MeV [53.953 MeV] (A_Nd:446)
143Nd60 + 12 D* --> 97Mo42 + 70Zn30 + 230.726 MeV [52.494 MeV] (A_Nd:447)
143Nd60 + 12 D* --> 100Mo42 + 67Zn30 + 227.686 MeV [49.454 MeV] (A_Nd:448)
143Nd60 + 12 D* --> 110Pd46 + 57Fe26 + 222.151 MeV [43.918 MeV] (A_Nd:449)
143Nd60 + 12 D* --> 113Cd48 + 54Cr24 + 219.603 MeV [41.371 MeV] (A_Nd:450)
143Nd60 + 12 D* --> 114Cd48 + 53Cr24 + 218.927 MeV [40.695 MeV] (A_Nd:451)
143Nd60 + 12 D* --> 117Sn50 + 50Ti22 + 215.448 MeV [37.215 MeV] (A_Nd:452)
143Nd60 + 12 D* --> 118Sn50 + 49Ti22 + 213.836 MeV [35.604 MeV] (A_Nd:453)
143Nd60 + 12 D* --> 119Sn50 + 48Ti22 + 212.177 MeV [33.945 MeV] (A_Nd:454)
143Nd60 + 12 D* --> 120Sn50 + 47Ti22 + 209.659 MeV [31.426 MeV] (A_Nd:455)
143Nd60 + 12 D* --> 123Te52 + 44Ca20 + 204.262 MeV [26.029 MeV] (A_Nd:456)
143Nd60 + 12 D* --> 124Te52 + 43Ca20 + 202.554 MeV [24.322 MeV] (A_Nd:457)
143Nd60 + 12 D* --> 125Te52 + 42Ca20 + 201.190 MeV [22.958 MeV] (A_Nd:458)

143Nd60 + 12 D* --> 127I53 + 40K19 + 196.140 MeV [17.907 MeV] (A_Nd:459)
143Nd60 + 12 D* --> 129Xe54 + 38Ar18 + 197.033 MeV [18.801 MeV] (A_Nd:460)
143Nd60 + 12 D* --> 131Xe54 + 36Ar18 + 192.268 MeV [14.036 MeV] (A_Nd:461)
143Nd60 + 12 D* --> 134Ba56 + 33S16 + 189.157 MeV [10.925 MeV] (A_Nd:462)
143Nd60 + 12 D* --> 135Ba56 + 32S16 + 187.487 MeV [9.255 MeV] (A_Nd:463)
143Nd60 + 12 D* --> 138Ce58 + 29Si14 + 183.085 MeV [4.852 MeV] (A_Nd:464)
143Nd60 + 12 D* --> 142Nd60 + 25Mg12 + 172.769 MeV [-5.463 MeV] (A_Nd:465)
143Nd60 + 12 D* --> 143Nd60 + 24Mg12 + 171.562 MeV [-6.670 MeV] (A_Nd:466)
143Nd60 + 12 D* --> 147Sm62 + 20Ne10 + 159.935 MeV [-18.297 MeV] (A_Nd:467)

144Nd60 + D* --> 131Xe54 + 15N7 + 17.696 MeV [4.570 MeV] (A_Nd:468)
144Nd60 + D* --> 132Xe54 + 14N7 + 15.800 MeV [2.673 MeV] (A_Nd:469)
144Nd60 + D* --> 133Cs55 + 13C6 + 14.329 MeV [1.202 MeV] (A_Nd:470)
144Nd60 + D* --> 135Ba56 + 11B5 + 8.565 MeV [-4.561 MeV] (A_Nd:471)
144Nd60 + D* --> 136Ba56 + 10B5 + 6.219 MeV [-6.908 MeV] (A_Nd:472)
144Nd60 + D* --> 140Ce58 + 6Li3 + 3.379 MeV [-9.748 MeV] (A_Nd:473)
144Nd60 + D* --> 145Nd60 + 1H1 + 3.531 MeV [-9.596 MeV] (A_Nd:474)

144Nd60 + 2 D* --> 100Mo42 + 48Ca20 + 72.917 MeV [46.347 MeV] (A_Nd:475)
144Nd60 + 2 D* --> 122Sn50 + 26Mg12 + 48.679 MeV [22.109 MeV] (A_Nd:476)
144Nd60 + 2 D* --> 124Sn50 + 24Mg12 + 44.689 MeV [18.119 MeV] (A_Nd:477)
144Nd60 + 2 D* --> 126Te52 + 22Ne10 + 40.608 MeV [14.038 MeV] (A_Nd:478)
144Nd60 + 2 D* --> 128Te52 + 20Ne10 + 38.552 MeV [11.982 MeV] (A_Nd:479)
144Nd60 + 2 D* --> 130Xe54 + 18O8 + 33.182 MeV [6.612 MeV] (A_Nd:480)
144Nd60 + 2 D* --> 131Xe54 + 17O8 + 31.742 MeV [5.172 MeV] (A_Nd:481)
144Nd60 + 2 D* --> 132Xe54 + 16O8 + 36.536 MeV [9.966 MeV] (A_Nd:482)
144Nd60 + 2 D* --> 133Cs55 + 15N7 + 30.488 MeV [3.918 MeV] (A_Nd:483)
144Nd60 + 2 D* --> 135Ba56 + 13C6 + 27.244 MeV [00.674 MeV] (A_Nd:484)
144Nd60 + 2 D* --> 136Ba56 + 12C6 + 31.405 MeV [4.835 MeV] (A_Nd:485)
144Nd60 + 2 D* --> 138La57 + 10B5 + 16.992 MeV [-9.578 MeV] (A_Nd:486)
144Nd60 + 2 D* --> 141Pr59 + 7Li3 + 13.631 MeV [-12.939 MeV] (A_Nd:487)
144Nd60 + 2 D* --> 144Nd60 + 4He2 + 23.847 MeV [-2.723 MeV] (A_Nd:488)
144Nd60 + 2 D* --> 145Nd60 + 3He2 + 9.024 MeV [-17.546 MeV] (A_Nd:489)
144Nd60 + 2 D* --> 148Sm62 + 21.860 MeV [-4.710 MeV] (A_Nd:490)

144Nd60 + 3 D* --> 131Xe54 + 19F9 + 45.557 MeV [5.229 MeV] (A_Nd:491)
144Nd60 + 3 D* --> 133Cs55 + 17O8 + 44.534 MeV [4.206 MeV] (A_Nd:492)
144Nd60 + 3 D* --> 135Ba56 + 15N7 + 43.403 MeV [3.076 MeV] (A_Nd:493)
144Nd60 + 3 D* --> 136Ba56 + 14N7 + 41.678 MeV [1.350 MeV] (A_Nd:494)
144Nd60 + 3 D* --> 138La57 + 12C6 + 42.179 MeV [1.851 MeV] (A_Nd:495)
144Nd60 + 3 D* --> 140Ce58 + 10B5 + 31.687 MeV [-8.641 MeV] (A_Nd:496)
144Nd60 + 3 D* --> 141Pr59 + 9Be4 + 30.327 MeV [-10.000 MeV] (A_Nd:497)
144Nd60 + 3 D* --> 143Nd60 + 7Li3 + 24.753 MeV [-15.574 MeV] (A_Nd:498)
144Nd60 + 3 D* --> 144Nd60 + 6Li3 + 25.320 MeV [-15.007 MeV] (A_Nd:499)
144Nd60 + 3 D* --> 148Sm62 + 2H1 + 21.860 MeV [-18.467 MeV] (A_Nd:500)
144Nd60 + 3 D* --> 149Sm62 + 1H1 + 25.507 MeV [-14.821 MeV] (A_Nd:501)

144Nd60 + 4 D* --> 76Ge32 + 76Ge32 + 115.216 MeV [60.819 MeV] (A_Nd:502)
144Nd60 + 4 D* --> 82Se34 + 70Zn30 + 115.948 MeV [61.552 MeV] (A_Nd:503)
144Nd60 + 4 D* --> 104Ru44 + 48Ca20 + 101.093 MeV [46.696 MeV] (A_Nd:504)
144Nd60 + 4 D* --> 116Cd48 + 36S16 + 88.173 MeV [33.777 MeV] (A_Nd:505)
144Nd60 + 4 D* --> 122Sn50 + 30Si14 + 83.169 MeV [28.772 MeV] (A_Nd:506)
144Nd60 + 4 D* --> 124Sn50 + 28Si14 + 78.519 MeV [24.123 MeV] (A_Nd:507)
144Nd60 + 4 D* --> 126Te52 + 26Mg12 + 75.069 MeV [20.672 MeV] (A_Nd:508)

144Nd60 + 4 D* --> 128Te52 + 24Mg12 + 71.715 MeV [17.319 MeV] (A_Nd:509)
144Nd60 + 4 D* --> 130Xe54 + 22Ne10 + 66.696 MeV [12.300 MeV] (A_Nd:510)
144Nd60 + 4 D* --> 131Xe54 + 21Ne10 + 62.937 MeV [8.540 MeV] (A_Nd:511)
144Nd60 + 4 D* --> 132Xe54 + 20Ne10 + 65.112 MeV [10.716 MeV] (A_Nd:512)
144Nd60 + 4 D* --> 133Cs55 + 19F9 + 58.348 MeV [3.951 MeV] (A_Nd:513)
144Nd60 + 4 D* --> 134Ba56 + 18O8 + 58.521 MeV [4.125 MeV] (A_Nd:514)
144Nd60 + 4 D* --> 135Ba56 + 17O8 + 57.449 MeV [3.052 MeV] (A_Nd:515)
144Nd60 + 4 D* --> 136Ba56 + 16O8 + 62.414 MeV [8.017 MeV] (A_Nd:516)
144Nd60 + 4 D* --> 138La57 + 14N7 + 52.451 MeV [-1.946 MeV] (A_Nd:517)
144Nd60 + 4 D* --> 140Ce58 + 12C6 + 56.873 MeV [2.476 MeV] (A_Nd:518)
144Nd60 + 4 D* --> 141Pr59 + 11B5 + 46.143 MeV [-8.254 MeV] (A_Nd:519)
144Nd60 + 4 D* --> 143Nd60 + 9Be4 + 41.450 MeV [-12.947 MeV] (A_Nd:520)
144Nd60 + 4 D* --> 148Sm62 + 4He2 + 45.707 MeV [-8.690 MeV] (A_Nd:521)
144Nd60 + 4 D* --> 149Sm62 + 3He2 + 31.000 MeV [-23.396 MeV] (A_Nd:522)
144Nd60 + 4 D* --> 151Eu63 + 1H1 + 36.160 MeV [-18.237 MeV] (A_Nd:523)
144Nd60 + 4 D* --> 152Gd64 + 43.504 MeV [-10.893 MeV] (A_Nd:524)

144Nd60 + 5 D* --> 131Xe54 + 23Na11 + 79.871 MeV [11.096 MeV] (A_Nd:525)
144Nd60 + 5 D* --> 133Cs55 + 21Ne10 + 75.728 MeV [6.953 MeV] (A_Nd:526)
144Nd60 + 5 D* --> 135Ba56 + 19F9 + 71.263 MeV [2.489 MeV] (A_Nd:527)
144Nd60 + 5 D* --> 138La57 + 16O8 + 73.187 MeV [4.412 MeV] (A_Nd:528)
144Nd60 + 5 D* --> 140Ce58 + 14N7 + 67.145 MeV [-1.629 MeV] (A_Nd:529)
144Nd60 + 5 D* --> 141Pr59 + 13C6 + 64.821 MeV [-3.953 MeV] (A_Nd:530)
144Nd60 + 5 D* --> 143Nd60 + 11B5 + 57.265 MeV [-11.510 MeV] (A_Nd:531)
144Nd60 + 5 D* --> 144Nd60 + 10B5 + 53.628 MeV [-15.147 MeV] (A_Nd:532)
144Nd60 + 5 D* --> 147Sm62 + 7Li3 + 46.289 MeV [-22.485 MeV] (A_Nd:533)
144Nd60 + 5 D* --> 148Sm62 + 6Li3 + 47.181 MeV [-21.594 MeV] (A_Nd:534)
144Nd60 + 5 D* --> 151Eu63 + 3He2 + 41.653 MeV [-27.121 MeV] (A_Nd:535)
144Nd60 + 5 D* --> 152Gd64 + 2H1 + 43.504 MeV [-25.271 MeV] (A_Nd:536)

144Nd60 + 6 D* --> 80Se34 + 76Ge32 + 146.034 MeV [62.575 MeV] (A_Nd:537)
144Nd60 + 6 D* --> 82Se34 + 74Ge32 + 146.078 MeV [62.618 MeV] (A_Nd:538)
144Nd60 + 6 D* --> 86Kr36 + 70Zn30 + 147.891 MeV [64.432 MeV] (A_Nd:539)
144Nd60 + 6 D* --> 108Pd46 + 48Ca20 + 128.800 MeV [45.340 MeV] (A_Nd:540)
144Nd60 + 6 D* --> 110Pd46 + 46Ca20 + 126.545 MeV [43.086 MeV] (A_Nd:541)
144Nd60 + 6 D* --> 116Cd48 + 40Ar18 + 118.820 MeV [35.361 MeV] (A_Nd:542)
144Nd60 + 6 D* --> 120Sn50 + 36S16 + 116.830 MeV [33.371 MeV] (A_Nd:543)
144Nd60 + 6 D* --> 122Sn50 + 34S16 + 114.939 MeV [31.479 MeV] (A_Nd:544)
144Nd60 + 6 D* --> 124Sn50 + 32S16 + 109.314 MeV [25.854 MeV] (A_Nd:545)
144Nd60 + 6 D* --> 126Te52 + 30Si14 + 109.559 MeV [26.099 MeV] (A_Nd:546)
144Nd60 + 6 D* --> 128Te52 + 28Si14 + 105.546 MeV [22.087 MeV] (A_Nd:547)
144Nd60 + 6 D* --> 130Xe54 + 26Mg12 + 101.157 MeV [17.698 MeV] (A_Nd:548)
144Nd60 + 6 D* --> 131Xe54 + 25Mg12 + 96.669 MeV [13.210 MeV] (A_Nd:549)
144Nd60 + 6 D* --> 132Xe54 + 24Mg12 + 98.275 MeV [14.816 MeV] (A_Nd:550)
144Nd60 + 6 D* --> 133Cs55 + 23Na11 + 92.662 MeV [9.203 MeV] (A_Nd:551)
144Nd60 + 6 D* --> 134Ba56 + 22Ne10 + 92.036 MeV [8.576 MeV] (A_Nd:552)
144Nd60 + 6 D* --> 135Ba56 + 21Ne10 + 88.643 MeV [5.184 MeV] (A_Nd:553)
144Nd60 + 6 D* --> 136Ba56 + 20Ne10 + 90.990 MeV [7.531 MeV] (A_Nd:554)
144Nd60 + 6 D* --> 138Ce58 + 18O8 + 83.411 MeV [-0.048 MeV] (A_Nd:555)
144Nd60 + 6 D* --> 140Ce58 + 16O8 + 87.881 MeV [4.422 MeV] (A_Nd:556)
144Nd60 + 6 D* --> 141Pr59 + 15N7 + 80.981 MeV [-2.479 MeV] (A_Nd:557)
144Nd60 + 6 D* --> 143Nd60 + 13C6 + 75.944 MeV [-7.516 MeV] (A_Nd:558)
144Nd60 + 6 D* --> 144Nd60 + 12C6 + 78.814 MeV [-4.645 MeV] (A_Nd:559)
144Nd60 + 6 D* --> 147Sm62 + 9Be4 + 62.986 MeV [-20.474 MeV] (A_Nd:560)

144Nd60 + 6 D* --> 152Gd64 + 4He2 + 67.350 MeV [-16.109 MeV] (A_Nd:561)
144Nd60 + 6 D* --> 156Dy66 + 65.591 MeV [-17.868 MeV] (A_Nd:562)

144Nd60 + 7 D* --> 131Xe54 + 27Al13 + 113.809 MeV [15.360 MeV] (A_Nd:563)
144Nd60 + 7 D* --> 133Cs55 + 25Mg12 + 109.461 MeV [11.012 MeV] (A_Nd:564)
144Nd60 + 7 D* --> 135Ba56 + 23Na11 + 105.577 MeV [7.129 MeV] (A_Nd:565)
144Nd60 + 7 D* --> 138La57 + 20Ne10 + 101.763 MeV [3.315 MeV] (A_Nd:566)
144Nd60 + 7 D* --> 141Pr59 + 17O8 + 95.027 MeV [-3.422 MeV] (A_Nd:567)
144Nd60 + 7 D* --> 143Nd60 + 15N7 + 92.103 MeV [-6.346 MeV] (A_Nd:568)
144Nd60 + 7 D* --> 144Nd60 + 14N7 + 89.087 MeV [-9.362 MeV] (A_Nd:569)
144Nd60 + 7 D* --> 147Sm62 + 11B5 + 78.801 MeV [-19.647 MeV] (A_Nd:570)
144Nd60 + 7 D* --> 148Sm62 + 10B5 + 75.488 MeV [-22.960 MeV] (A_Nd:571)
144Nd60 + 7 D* --> 152Gd64 + 6Li3 + 68.824 MeV [-29.624 MeV] (A_Nd:572)
144Nd60 + 7 D* --> 156Dy66 + 2H1 + 65.591 MeV [-32.857 MeV] (A_Nd:573)

144Nd60 + 8 D* --> 80Se34 + 80Se34 + 176.852 MeV [63.113 MeV] (A_Nd:574)
144Nd60 + 8 D* --> 82Se34 + 78Se34 + 175.953 MeV [62.213 MeV] (A_Nd:575)
144Nd60 + 8 D* --> 84Kr36 + 76Ge32 + 176.977 MeV [63.237 MeV] (A_Nd:576)
144Nd60 + 8 D* --> 86Kr36 + 74Ge32 + 178.021 MeV [64.281 MeV] (A_Nd:577)
144Nd60 + 8 D* --> 96Zr40 + 64Ni28 + 173.875 MeV [60.135 MeV] (A_Nd:578)
144Nd60 + 8 D* --> 110Pd46 + 50Ti22 + 161.108 MeV [47.369 MeV] (A_Nd:579)
144Nd60 + 8 D* --> 112Cd48 + 48Ca20 + 156.127 MeV [42.388 MeV] (A_Nd:580)
144Nd60 + 8 D* --> 114Cd48 + 46Ca20 + 154.489 MeV [40.749 MeV] (A_Nd:581)
144Nd60 + 8 D* --> 116Cd48 + 44Ca20 + 151.520 MeV [37.781 MeV] (A_Nd:582)
144Nd60 + 8 D* --> 120Sn50 + 40Ar18 + 147.478 MeV [33.738 MeV] (A_Nd:583)
144Nd60 + 8 D* --> 122Sn50 + 38Ar18 + 145.993 MeV [32.254 MeV] (A_Nd:584)
144Nd60 + 8 D* --> 124Sn50 + 36Ar18 + 139.801 MeV [26.062 MeV] (A_Nd:585)
144Nd60 + 8 D* --> 123Sb51 + 37Cl17 + 142.318 MeV [28.579 MeV] (A_Nd:586)
144Nd60 + 8 D* --> 124Te52 + 36S16 + 142.521 MeV [28.782 MeV] (A_Nd:587)
144Nd60 + 8 D* --> 126Te52 + 34S16 + 141.329 MeV [27.590 MeV] (A_Nd:588)
144Nd60 + 8 D* --> 128Te52 + 32S16 + 136.340 MeV [22.601 MeV] (A_Nd:589)
144Nd60 + 8 D* --> 130Xe54 + 30Si14 + 135.647 MeV [21.908 MeV] (A_Nd:590)
144Nd60 + 8 D* --> 131Xe54 + 29Si14 + 131.643 MeV [17.904 MeV] (A_Nd:591)
144Nd60 + 8 D* --> 132Xe54 + 28Si14 + 132.106 MeV [18.367 MeV] (A_Nd:592)
144Nd60 + 8 D* --> 133Cs55 + 27Al13 + 126.600 MeV [12.861 MeV] (A_Nd:593)
144Nd60 + 8 D* --> 134Ba56 + 26Mg12 + 126.497 MeV [12.758 MeV] (A_Nd:594)
144Nd60 + 8 D* --> 135Ba56 + 25Mg12 + 122.376 MeV [8.637 MeV] (A_Nd:595)
144Nd60 + 8 D* --> 136Ba56 + 24Mg12 + 124.153 MeV [10.414 MeV] (A_Nd:596)
144Nd60 + 8 D* --> 138Ce58 + 22Ne10 + 116.926 MeV [3.187 MeV] (A_Nd:597)
144Nd60 + 8 D* --> 140Ce58 + 20Ne10 + 116.458 MeV [2.719 MeV] (A_Nd:598)
144Nd60 + 8 D* --> 141Pr59 + 19F9 + 108.841 MeV [-4.898 MeV] (A_Nd:599)
144Nd60 + 8 D* --> 142Nd60 + 18O8 + 108.069 MeV [-5.670 MeV] (A_Nd:600)
144Nd60 + 8 D* --> 143Nd60 + 17O8 + 106.149 MeV [-7.590 MeV] (A_Nd:601)
144Nd60 + 8 D* --> 144Nd60 + 16O8 + 109.823 MeV [-3.917 MeV] (A_Nd:602)
144Nd60 + 8 D* --> 147Sm62 + 13C6 + 97.480 MeV [-16.260 MeV] (A_Nd:603)
144Nd60 + 8 D* --> 148Sm62 + 12C6 + 100.675 MeV [-13.065 MeV] (A_Nd:604)
144Nd60 + 8 D* --> 156Dy66 + 4He2 + 89.438 MeV [-24.302 MeV] (A_Nd:605)

144Nd60 + 9 D* --> 122Sn50 + 40K19 + 157.949 MeV [28.620 MeV] (A_Nd:606)
144Nd60 + 9 D* --> 125Te52 + 37Cl17 + 155.252 MeV [25.922 MeV] (A_Nd:607)
144Nd60 + 9 D* --> 131Xe54 + 31P15 + 147.324 MeV [17.995 MeV] (A_Nd:608)
144Nd60 + 9 D* --> 133Cs55 + 29Si14 + 144.434 MeV [15.104 MeV] (A_Nd:609)
144Nd60 + 9 D* --> 135Ba56 + 27Al13 + 139.516 MeV [10.186 MeV] (A_Nd:610)
144Nd60 + 9 D* --> 138La57 + 24Mg12 + 134.927 MeV [5.597 MeV] (A_Nd:611)

144Nd60 + 9 D* --> 141Pr59 + 21Ne10 + 126.221 MeV [-3.109 MeV] (A_Nd:612)
144Nd60 + 9 D* --> 143Nd60 + 19F9 + 119.963 MeV [-9.367 MeV] (A_Nd:613)
144Nd60 + 9 D* --> 147Sm62 + 15N7 + 113.639 MeV [-15.691 MeV] (A_Nd:614)
144Nd60 + 9 D* --> 148Sm62 + 14N7 + 110.947 MeV [-18.383 MeV] (A_Nd:615)
144Nd60 + 9 D* --> 152Gd64 + 10B5 + 97.132 MeV [-32.198 MeV] (A_Nd:616)
144Nd60 + 9 D* --> 156Dy66 + 6Li3 + 90.911 MeV [-38.419 MeV] (A_Nd:617)

144Nd60 + 10 D* --> 82Se34 + 82Kr36 + 205.788 MeV [60.570 MeV] (A_Nd:618)
144Nd60 + 10 D* --> 82Kr36 + 82Se34 + 205.788 MeV [60.570 MeV] (A_Nd:619)
144Nd60 + 10 D* --> 84Kr36 + 80Se34 + 207.795 MeV [62.577 MeV] (A_Nd:620)
144Nd60 + 10 D* --> 86Kr36 + 78Se34 + 207.896 MeV [62.678 MeV] (A_Nd:621)
144Nd60 + 10 D* --> 88Sr38 + 76Ge32 + 208.739 MeV [63.521 MeV] (A_Nd:622)
144Nd60 + 10 D* --> 94Zr40 + 70Zn30 + 204.436 MeV [59.218 MeV] (A_Nd:623)
144Nd60 + 10 D* --> 96Zr40 + 68Zn30 + 203.054 MeV [57.836 MeV] (A_Nd:624)
144Nd60 + 10 D* --> 100Mo42 + 64Ni28 + 200.888 MeV [55.670 MeV] (A_Nd:625)
144Nd60 + 10 D* --> 110Pd46 + 54Cr24 + 192.886 MeV [47.668 MeV] (A_Nd:626)
144Nd60 + 10 D* --> 114Cd48 + 50Ti22 + 189.052 MeV [43.834 MeV] (A_Nd:627)
144Nd60 + 10 D* --> 116Cd48 + 48Ti22 + 184.811 MeV [39.593 MeV] (A_Nd:628)
144Nd60 + 10 D* --> 116Sn50 + 48Ca20 + 183.346 MeV [38.128 MeV] (A_Nd:629)
144Nd60 + 10 D* --> 118Sn50 + 46Ca20 + 182.395 MeV [37.177 MeV] (A_Nd:630)
144Nd60 + 10 D* --> 120Sn50 + 44Ca20 + 180.178 MeV [34.960 MeV] (A_Nd:631)
144Nd60 + 10 D* --> 122Sn50 + 42Ca20 + 176.097 MeV [30.879 MeV] (A_Nd:632)
144Nd60 + 10 D* --> 124Sn50 + 40Ca20 + 170.687 MeV [25.469 MeV] (A_Nd:633)
144Nd60 + 10 D* --> 123Sb51 + 41K19 + 172.387 MeV [27.169 MeV] (A_Nd:634)
144Nd60 + 10 D* --> 124Te52 + 40Ar18 + 173.168 MeV [27.951 MeV] (A_Nd:635)
144Nd60 + 10 D* --> 126Te52 + 38Ar18 + 172.383 MeV [27.165 MeV] (A_Nd:636)
144Nd60 + 10 D* --> 128Te52 + 36Ar18 + 166.828 MeV [21.610 MeV] (A_Nd:637)
144Nd60 + 10 D* --> 127I53 + 37Cl17 + 168.349 MeV [23.131 MeV] (A_Nd:638)
144Nd60 + 10 D* --> 128Xe54 + 36S16 + 168.128 MeV [22.910 MeV] (A_Nd:639)
144Nd60 + 10 D* --> 130Xe54 + 34S16 + 167.418 MeV [22.200 MeV] (A_Nd:640)
144Nd60 + 10 D* --> 131Xe54 + 33S16 + 162.605 MeV [17.387 MeV] (A_Nd:641)
144Nd60 + 10 D* --> 132Xe54 + 32S16 + 162.900 MeV [17.682 MeV] (A_Nd:642)
144Nd60 + 10 D* --> 133Cs55 + 31P15 + 160.116 MeV [14.898 MeV] (A_Nd:643)
144Nd60 + 10 D* --> 134Ba56 + 30Si14 + 160.987 MeV [15.769 MeV] (A_Nd:644)
144Nd60 + 10 D* --> 135Ba56 + 29Si14 + 157.350 MeV [12.132 MeV] (A_Nd:645)
144Nd60 + 10 D* --> 136Ba56 + 28Si14 + 157.984 MeV [12.766 MeV] (A_Nd:646)
144Nd60 + 10 D* --> 138Ce58 + 26Mg12 + 151.387 MeV [6.169 MeV] (A_Nd:647)
144Nd60 + 10 D* --> 140Ce58 + 24Mg12 + 149.621 MeV [4.403 MeV] (A_Nd:648)
144Nd60 + 10 D* --> 141Pr59 + 23Na11 + 143.155 MeV [-2.063 MeV] (A_Nd:649)
144Nd60 + 10 D* --> 142Nd60 + 22Ne10 + 141.584 MeV [-3.634 MeV] (A_Nd:650)
144Nd60 + 10 D* --> 143Nd60 + 21Ne10 + 137.343 MeV [-7.875 MeV] (A_Nd:651)
144Nd60 + 10 D* --> 144Nd60 + 20Ne10 + 138.399 MeV [-6.819 MeV] (A_Nd:652)
144Nd60 + 10 D* --> 147Sm62 + 17O8 + 127.685 MeV [-17.533 MeV] (A_Nd:653)
144Nd60 + 10 D* --> 148Sm62 + 16O8 + 131.683 MeV [-13.535 MeV] (A_Nd:654)
144Nd60 + 10 D* --> 152Gd64 + 12C6 + 122.318 MeV [-22.900 MeV] (A_Nd:655)

144Nd60 + 11 D* --> 116Cd48 + 50V23 + 198.681 MeV [37.279 MeV] (A_Nd:656)
144Nd60 + 11 D* --> 123Sb51 + 43Ca20 + 188.373 MeV [26.971 MeV] (A_Nd:657)
144Nd60 + 11 D* --> 125Te52 + 41K19 + 185.321 MeV [23.920 MeV] (A_Nd:658)
144Nd60 + 11 D* --> 126Te52 + 40K19 + 184.340 MeV [22.938 MeV] (A_Nd:659)
144Nd60 + 11 D* --> 129Xe54 + 37Cl17 + 181.199 MeV [19.797 MeV] (A_Nd:660)
144Nd60 + 11 D* --> 131Xe54 + 35Cl17 + 178.169 MeV [16.767 MeV] (A_Nd:661)
144Nd60 + 11 D* --> 133Cs55 + 33S16 + 175.397 MeV [13.995 MeV] (A_Nd:662)
144Nd60 + 11 D* --> 135Ba56 + 31P15 + 173.031 MeV [11.630 MeV] (A_Nd:663)

144Nd60 + 11 D* --> 138La57 + 28Si14 + 168.757 MeV [7.356 MeV] (A_Nd:664)
144Nd60 + 11 D* --> 141Pr59 + 25Mg12 + 159.953 MeV [-1.448 MeV] (A_Nd:665)
144Nd60 + 11 D* --> 143Nd60 + 23Na11 + 154.277 MeV [-7.124 MeV] (A_Nd:666)
144Nd60 + 11 D* --> 147Sm62 + 19F9 + 141.499 MeV [-19.902 MeV] (A_Nd:667)
144Nd60 + 11 D* --> 152Gd64 + 14N7 + 132.591 MeV [-28.811 MeV] (A_Nd:668)
144Nd60 + 11 D* --> 156Dy66 + 10B5 + 119.219 MeV [-42.182 MeV] (A_Nd:669)

144Nd60 + 12 D* --> 84Kr36 + 84Kr36 + 238.737 MeV [60.859 MeV] (A_Nd:670)
144Nd60 + 12 D* --> 86Kr36 + 82Kr36 + 237.731 MeV [59.853 MeV] (A_Nd:671)
144Nd60 + 12 D* --> 87Rb37 + 81Br35 + 236.448 MeV [58.570 MeV] (A_Nd:672)
144Nd60 + 12 D* --> 86Sr38 + 82Se34 + 235.993 MeV [58.115 MeV] (A_Nd:673)
144Nd60 + 12 D* --> 88Sr38 + 80Se34 + 239.557 MeV [61.679 MeV] (A_Nd:674)
144Nd60 + 12 D* --> 92Zr40 + 76Ge32 + 235.542 MeV [57.664 MeV] (A_Nd:675)
144Nd60 + 12 D* --> 94Zr40 + 74Ge32 + 234.565 MeV [56.687 MeV] (A_Nd:676)
144Nd60 + 12 D* --> 96Zr40 + 72Ge32 + 231.904 MeV [54.026 MeV] (A_Nd:677)
144Nd60 + 12 D* --> 98Mo42 + 70Zn30 + 231.552 MeV [53.674 MeV] (A_Nd:678)
144Nd60 + 12 D* --> 100Mo42 + 68Zn30 + 230.067 MeV [52.189 MeV] (A_Nd:679)
144Nd60 + 12 D* --> 104Ru44 + 64Ni28 + 229.064 MeV [51.186 MeV] (A_Nd:680)
144Nd60 + 12 D* --> 110Pd46 + 58Fe26 + 224.378 MeV [46.500 MeV] (A_Nd:681)
144Nd60 + 12 D* --> 114Cd48 + 54Cr24 + 220.829 MeV [42.951 MeV] (A_Nd:682)
144Nd60 + 12 D* --> 116Cd48 + 52Cr24 + 218.012 MeV [40.134 MeV] (A_Nd:683)
144Nd60 + 12 D* --> 118Sn50 + 50Ti22 + 216.958 MeV [39.080 MeV] (A_Nd:684)
144Nd60 + 12 D* --> 119Sn50 + 49Ti22 + 212.503 MeV [34.625 MeV] (A_Nd:685)
144Nd60 + 12 D* --> 120Sn50 + 48Ti22 + 213.468 MeV [35.590 MeV] (A_Nd:686)
144Nd60 + 12 D* --> 122Sn50 + 46Ti22 + 207.945 MeV [30.067 MeV] (A_Nd:687)
144Nd60 + 12 D* --> 123Sb51 + 45Sc21 + 204.167 MeV [26.289 MeV] (A_Nd:688)
144Nd60 + 12 D* --> 120Te52 + 48Ca20 + 207.494 MeV [29.616 MeV] (A_Nd:689)
144Nd60 + 12 D* --> 122Te52 + 46Ca20 + 207.325 MeV [29.447 MeV] (A_Nd:690)
144Nd60 + 12 D* --> 124Te52 + 44Ca20 + 205.869 MeV [27.990 MeV] (A_Nd:691)
144Nd60 + 12 D* --> 125Te52 + 43Ca20 + 201.306 MeV [23.428 MeV] (A_Nd:692)
144Nd60 + 12 D* --> 126Te52 + 42Ca20 + 202.487 MeV [24.609 MeV] (A_Nd:693)
144Nd60 + 12 D* --> 128Te52 + 40Ca20 + 197.714 MeV [19.836 MeV] (A_Nd:694)
144Nd60 + 12 D* --> 127I53 + 41K19 + 198.418 MeV [20.540 MeV] (A_Nd:695)
144Nd60 + 12 D* --> 128Xe54 + 40Ar18 + 198.775 MeV [20.897 MeV] (A_Nd:696)
144Nd60 + 12 D* --> 130Xe54 + 38Ar18 + 198.472 MeV [20.594 MeV] (A_Nd:697)
144Nd60 + 12 D* --> 132Xe54 + 36Ar18 + 193.388 MeV [15.509 MeV] (A_Nd:698)
144Nd60 + 12 D* --> 133Cs55 + 35Cl17 + 190.960 MeV [13.082 MeV] (A_Nd:699)
144Nd60 + 12 D* --> 132Ba56 + 36S16 + 192.974 MeV [15.096 MeV] (A_Nd:700)
144Nd60 + 12 D* --> 134Ba56 + 34S16 + 192.757 MeV [14.879 MeV] (A_Nd:701)
144Nd60 + 12 D* --> 135Ba56 + 33S16 + 188.312 MeV [10.434 MeV] (A_Nd:702)
144Nd60 + 12 D* --> 136Ba56 + 32S16 + 188.778 MeV [10.900 MeV] (A_Nd:703)
144Nd60 + 12 D* --> 138Ce58 + 30Si14 + 185.877 MeV [7.999 MeV] (A_Nd:704)
144Nd60 + 12 D* --> 140Ce58 + 28Si14 + 183.452 MeV [5.574 MeV] (A_Nd:705)
144Nd60 + 12 D* --> 141Pr59 + 27Al13 + 177.093 MeV [-0.785 MeV] (A_Nd:706)
144Nd60 + 12 D* --> 142Nd60 + 26Mg12 + 176.045 MeV [-1.833 MeV] (A_Nd:707)
144Nd60 + 12 D* --> 143Nd60 + 25Mg12 + 171.076 MeV [-6.802 MeV] (A_Nd:708)
144Nd60 + 12 D* --> 144Nd60 + 24Mg12 + 171.562 MeV [-6.316 MeV] (A_Nd:709)
144Nd60 + 12 D* --> 147Sm62 + 21Ne10 + 158.879 MeV [-18.999 MeV] (A_Nd:710)
144Nd60 + 12 D* --> 148Sm62 + 20Ne10 + 160.260 MeV [-17.618 MeV] (A_Nd:711)
144Nd60 + 12 D* --> 152Gd64 + 16O8 + 153.327 MeV [-24.551 MeV] (A_Nd:712)
144Nd60 + 12 D* --> 156Dy66 + 12C6 + 144.405 MeV [-33.473 MeV] (A_Nd:713)

145Nd60 + D* --> 124Sn50 + 23Na11 + 29.465 MeV [16.368 MeV] (A_Nd:714)
145Nd60 + D* --> 128Te52 + 19F9 + 22.178 MeV [9.081 MeV] (A_Nd:715)

145Nd60 + D* --> 132Xe54 + 15N7 + 20.878 MeV [7.781 MeV] (A_Nd:716)
145Nd60 + D* --> 136Ba56 + 11B5 + 11.918 MeV [-1.179 MeV] (A_Nd:717)
145Nd60 + D* --> 137Ba56 + 10B5 + 7.369 MeV [-5.728 MeV] (A_Nd:718)
145Nd60 + D* --> 138La57 + 9Be4 + 6.876 MeV [-6.221 MeV] (A_Nd:719)
145Nd60 + D* --> 140Ce58 + 7Li3 + 4.874 MeV [-8.223 MeV] (A_Nd:720)
145Nd60 + D* --> 146Nd60 + 1H1 + 5.341 MeV [-7.756 MeV] (A_Nd:721)

145Nd60 + 2 D* --> 124Sn50 + 25Mg12 + 46.264 MeV [19.753 MeV] (A_Nd:722)
145Nd60 + 2 D* --> 128Te52 + 21Ne10 + 39.558 MeV [13.048 MeV] (A_Nd:723)
145Nd60 + 2 D* --> 131Xe54 + 18O8 + 34.031 MeV [7.521 MeV] (A_Nd:724)
145Nd60 + 2 D* --> 132Xe54 + 17O8 + 34.924 MeV [8.413 MeV] (A_Nd:725)
145Nd60 + 2 D* --> 136Ba56 + 13C6 + 30.596 MeV [4.086 MeV] (A_Nd:726)
145Nd60 + 2 D* --> 137Ba56 + 12C6 + 32.556 MeV [6.045 MeV] (A_Nd:727)
145Nd60 + 2 D* --> 138La57 + 11B5 + 22.691 MeV [-3.819 MeV] (A_Nd:728)
145Nd60 + 2 D* --> 139La57 + 10B5 + 20.015 MeV [-6.495 MeV] (A_Nd:729)
145Nd60 + 2 D* --> 140Ce58 + 9Be4 + 21.570 MeV [-4.940 MeV] (A_Nd:730)
145Nd60 + 2 D* --> 145Nd60 + 4He2 + 23.847 MeV [-2.664 MeV] (A_Nd:731)
145Nd60 + 2 D* --> 146Nd60 + 3He2 + 10.834 MeV [-15.676 MeV] (A_Nd:732)
145Nd60 + 2 D* --> 149Sm62 + 21.976 MeV [-4.534 MeV] (A_Nd:733)

145Nd60 + 3 D* --> 124Sn50 + 27Al13 + 63.403 MeV [23.165 MeV] (A_Nd:734)
145Nd60 + 3 D* --> 128Te52 + 23Na11 + 56.492 MeV [16.254 MeV] (A_Nd:735)
145Nd60 + 3 D* --> 132Xe54 + 19F9 + 48.738 MeV [8.500 MeV] (A_Nd:736)
145Nd60 + 3 D* --> 133Cs55 + 18O8 + 46.823 MeV [6.584 MeV] (A_Nd:737)
145Nd60 + 3 D* --> 136Ba56 + 15N7 + 46.756 MeV [6.517 MeV] (A_Nd:738)
145Nd60 + 3 D* --> 137Ba56 + 14N7 + 42.828 MeV [2.590 MeV] (A_Nd:739)
145Nd60 + 3 D* --> 138La57 + 13C6 + 41.370 MeV [1.131 MeV] (A_Nd:740)
145Nd60 + 3 D* --> 139La57 + 12C6 + 45.201 MeV [4.963 MeV] (A_Nd:741)
145Nd60 + 3 D* --> 140Ce58 + 11B5 + 37.385 MeV [-2.853 MeV] (A_Nd:742)
145Nd60 + 3 D* --> 144Nd60 + 7Li3 + 26.815 MeV [-13.423 MeV] (A_Nd:743)
145Nd60 + 3 D* --> 145Nd60 + 6Li3 + 25.320 MeV [-14.918 MeV] (A_Nd:744)
145Nd60 + 3 D* --> 149Sm62 + 2H1 + 21.976 MeV [-18.262 MeV] (A_Nd:745)
145Nd60 + 3 D* --> 150Sm62 + 1H1 + 27.738 MeV [-12.500 MeV] (A_Nd:746)
145Nd60 + 3 D* --> 151Eu63 + 32.629 MeV [-7.609 MeV] (A_Nd:747)

145Nd60 + 4 D* --> 124Sn50 + 29Si14 + 81.238 MeV [26.960 MeV] (A_Nd:748)
145Nd60 + 4 D* --> 128Te52 + 25Mg12 + 73.291 MeV [19.013 MeV] (A_Nd:749)
145Nd60 + 4 D* --> 131Xe54 + 22Ne10 + 67.546 MeV [13.268 MeV] (A_Nd:750)
145Nd60 + 4 D* --> 132Xe54 + 21Ne10 + 66.118 MeV [11.840 MeV] (A_Nd:751)
145Nd60 + 4 D* --> 135Ba56 + 18O8 + 59.738 MeV [5.460 MeV] (A_Nd:752)
145Nd60 + 4 D* --> 136Ba56 + 17O8 + 60.802 MeV [6.524 MeV] (A_Nd:753)
145Nd60 + 4 D* --> 137Ba56 + 16O8 + 63.564 MeV [9.286 MeV] (A_Nd:754)
145Nd60 + 4 D* --> 138La57 + 15N7 + 57.529 MeV [3.251 MeV] (A_Nd:755)
145Nd60 + 4 D* --> 139La57 + 14N7 + 55.474 MeV [1.196 MeV] (A_Nd:756)
145Nd60 + 4 D* --> 140Ce58 + 13C6 + 56.064 MeV [1.786 MeV] (A_Nd:757)
145Nd60 + 4 D* --> 144Nd60 + 9Be4 + 43.511 MeV [-10.767 MeV] (A_Nd:758)
145Nd60 + 4 D* --> 149Sm62 + 4He2 + 45.823 MeV [-8.455 MeV] (A_Nd:759)
145Nd60 + 4 D* --> 150Sm62 + 3He2 + 33.232 MeV [-21.046 MeV] (A_Nd:760)
145Nd60 + 4 D* --> 151Eu63 + 2H1 + 32.629 MeV [-21.649 MeV] (A_Nd:761)

145Nd60 + 5 D* --> 124Sn50 + 31P15 + 96.919 MeV [28.293 MeV] (A_Nd:762)
145Nd60 + 5 D* --> 128Te52 + 27Al13 + 90.430 MeV [21.804 MeV] (A_Nd:763)
145Nd60 + 5 D* --> 132Xe54 + 23Na11 + 83.052 MeV [14.425 MeV] (A_Nd:764)
145Nd60 + 5 D* --> 133Cs55 + 22Ne10 + 80.337 MeV [11.711 MeV] (A_Nd:765)

145Nd60 + 5 D* --> 136Ba56 + 19F9 + 74.616 MeV [5.989 MeV] (A_Nd:766)
145Nd60 + 5 D* --> 138La57 + 17O8 + 71.575 MeV [2.948 MeV] (A_Nd:767)
145Nd60 + 5 D* --> 139La57 + 16O8 + 76.210 MeV [7.583 MeV] (A_Nd:768)
145Nd60 + 5 D* --> 140Ce58 + 15N7 + 72.223 MeV [3.597 MeV] (A_Nd:769)
145Nd60 + 5 D* --> 144Nd60 + 11B5 + 59.327 MeV [-9.300 MeV] (A_Nd:770)
145Nd60 + 5 D* --> 145Nd60 + 10B5 + 53.628 MeV [-14.999 MeV] (A_Nd:771)
145Nd60 + 5 D* --> 148Sm62 + 7Li3 + 48.676 MeV [-19.951 MeV] (A_Nd:772)
145Nd60 + 5 D* --> 149Sm62 + 6Li3 + 47.297 MeV [-21.330 MeV] (A_Nd:773)
145Nd60 + 5 D* --> 151Eu63 + 4He2 + 56.476 MeV [-12.151 MeV] (A_Nd:774)
145Nd60 + 5 D* --> 154Gd64 + 1H1 + 50.666 MeV [-17.961 MeV] (A_Nd:775)

145Nd60 + 6 D* --> 124Sn50 + 33S16 + 112.200 MeV [28.918 MeV] (A_Nd:776)
145Nd60 + 6 D* --> 128Te52 + 29Si14 + 108.264 MeV [24.982 MeV] (A_Nd:777)
145Nd60 + 6 D* --> 131Xe54 + 26Mg12 + 102.007 MeV [18.725 MeV] (A_Nd:778)
145Nd60 + 6 D* --> 132Xe54 + 25Mg12 + 99.851 MeV [16.569 MeV] (A_Nd:779)
145Nd60 + 6 D* --> 135Ba56 + 22Ne10 + 93.252 MeV [9.971 MeV] (A_Nd:780)
145Nd60 + 6 D* --> 136Ba56 + 21Ne10 + 91.996 MeV [8.714 MeV] (A_Nd:781)
145Nd60 + 6 D* --> 137Ba56 + 20Ne10 + 92.140 MeV [8.858 MeV] (A_Nd:782)
145Nd60 + 6 D* --> 138La57 + 19F9 + 85.389 MeV [2.107 MeV] (A_Nd:783)
145Nd60 + 6 D* --> 140Ce58 + 17O8 + 86.269 MeV [2.987 MeV] (A_Nd:784)
145Nd60 + 6 D* --> 144Nd60 + 13C6 + 78.005 MeV [-5.277 MeV] (A_Nd:785)
145Nd60 + 6 D* --> 145Nd60 + 12C6 + 78.814 MeV [-4.468 MeV] (A_Nd:786)
145Nd60 + 6 D* --> 148Sm62 + 9Be4 + 65.372 MeV [-17.910 MeV] (A_Nd:787)
145Nd60 + 6 D* --> 151Eu63 + 6Li3 + 57.949 MeV [-25.332 MeV] (A_Nd:788)
145Nd60 + 6 D* --> 154Gd64 + 3He2 + 56.159 MeV [-27.123 MeV] (A_Nd:789)

145Nd60 + 7 D* --> 122Sn50 + 37Cl17 + 132.220 MeV [33.979 MeV] (A_Nd:790)
145Nd60 + 7 D* --> 124Sn50 + 35Cl17 + 127.763 MeV [29.522 MeV] (A_Nd:791)
145Nd60 + 7 D* --> 123Sb51 + 36S16 + 130.401 MeV [32.160 MeV] (A_Nd:792)
145Nd60 + 7 D* --> 128Te52 + 31P15 + 123.946 MeV [25.704 MeV] (A_Nd:793)
145Nd60 + 7 D* --> 132Xe54 + 27Al13 + 116.990 MeV [18.748 MeV] (A_Nd:794)
145Nd60 + 7 D* --> 133Cs55 + 26Mg12 + 114.798 MeV [16.557 MeV] (A_Nd:795)
145Nd60 + 7 D* --> 136Ba56 + 23Na11 + 108.930 MeV [10.688 MeV] (A_Nd:796)
145Nd60 + 7 D* --> 138La57 + 21Ne10 + 102.769 MeV [4.528 MeV] (A_Nd:797)
145Nd60 + 7 D* --> 139La57 + 20Ne10 + 104.786 MeV [6.545 MeV] (A_Nd:798)
145Nd60 + 7 D* --> 140Ce58 + 19F9 + 100.084 MeV [1.842 MeV] (A_Nd:799)
145Nd60 + 7 D* --> 141Pr59 + 18O8 + 97.315 MeV [-0.926 MeV] (A_Nd:800)
145Nd60 + 7 D* --> 144Nd60 + 15N7 + 94.165 MeV [-4.077 MeV] (A_Nd:801)
145Nd60 + 7 D* --> 145Nd60 + 14N7 + 89.087 MeV [-9.155 MeV] (A_Nd:802)
145Nd60 + 7 D* --> 148Sm62 + 11B5 + 81.187 MeV [-17.054 MeV] (A_Nd:803)
145Nd60 + 7 D* --> 149Sm62 + 10B5 + 75.604 MeV [-22.637 MeV] (A_Nd:804)
145Nd60 + 7 D* --> 152Gd64 + 7Li3 + 70.319 MeV [-27.923 MeV] (A_Nd:805)
145Nd60 + 7 D* --> 158Dy66 + 1H1 + 73.636 MeV [-24.606 MeV] (A_Nd:806)

145Nd60 + 8 D* --> 113Cd48 + 48Ca20 + 156.912 MeV [43.409 MeV] (A_Nd:807)
145Nd60 + 8 D* --> 125Te52 + 36S16 + 143.335 MeV [29.832 MeV] (A_Nd:808)
145Nd60 + 8 D* --> 128Te52 + 33S16 + 139.227 MeV [25.723 MeV] (A_Nd:809)
145Nd60 + 8 D* --> 131Xe54 + 30Si14 + 136.497 MeV [22.993 MeV] (A_Nd:810)
145Nd60 + 8 D* --> 132Xe54 + 29Si14 + 134.824 MeV [21.321 MeV] (A_Nd:811)
145Nd60 + 8 D* --> 135Ba56 + 26Mg12 + 127.714 MeV [14.210 MeV] (A_Nd:812)
145Nd60 + 8 D* --> 136Ba56 + 25Mg12 + 125.728 MeV [12.225 MeV] (A_Nd:813)
145Nd60 + 8 D* --> 137Ba56 + 24Mg12 + 125.303 MeV [11.800 MeV] (A_Nd:814)
145Nd60 + 8 D* --> 138La57 + 23Na11 + 119.703 MeV [6.200 MeV] (A_Nd:815)
145Nd60 + 8 D* --> 140Ce58 + 21Ne10 + 117.464 MeV [3.960 MeV] (A_Nd:816)

145Nd60 + 8 D* --> 143Nd60 + 18O8 + 108.438 MeV [-5.066 MeV] (A_Nd:817)
145Nd60 + 8 D* --> 144Nd60 + 17O8 + 108.211 MeV [-5.293 MeV] (A_Nd:818)
145Nd60 + 8 D* --> 145Nd60 + 16O8 + 109.823 MeV [-3.681 MeV] (A_Nd:819)
145Nd60 + 8 D* --> 148Sm62 + 13C6 + 99.866 MeV [-13.638 MeV] (A_Nd:820)
145Nd60 + 8 D* --> 149Sm62 + 12C6 + 100.791 MeV [-12.713 MeV] (A_Nd:821)
145Nd60 + 8 D* --> 151Eu63 + 10B5 + 86.257 MeV [-27.246 MeV] (A_Nd:822)
145Nd60 + 8 D* --> 152Gd64 + 9Be4 + 87.015 MeV [-26.488 MeV] (A_Nd:823)
145Nd60 + 8 D* --> 158Dy66 + 3He2 + 79.130 MeV [-34.374 MeV] (A_Nd:824)

145Nd60 + 9 D* --> 82Se34 + 81Br35 + 192.353 MeV [63.288 MeV] (A_Nd:825)
145Nd60 + 9 D* --> 87Rb37 + 76Ge32 + 194.595 MeV [65.530 MeV] (A_Nd:826)
145Nd60 + 9 D* --> 115In49 + 48Ca20 + 170.535 MeV [41.470 MeV] (A_Nd:827)
145Nd60 + 9 D* --> 122Sn50 + 41K19 + 162.289 MeV [33.225 MeV] (A_Nd:828)
145Nd60 + 9 D* --> 124Sn50 + 39K19 + 158.828 MeV [29.763 MeV] (A_Nd:829)
145Nd60 + 9 D* --> 123Sb51 + 40Ar18 + 161.048 MeV [31.984 MeV] (A_Nd:830)
145Nd60 + 9 D* --> 126Te52 + 37Cl17 + 158.610 MeV [29.546 MeV] (A_Nd:831)
145Nd60 + 9 D* --> 128Te52 + 35Cl17 + 154.790 MeV [25.725 MeV] (A_Nd:832)
145Nd60 + 9 D* --> 127I53 + 36S16 + 156.432 MeV [27.367 MeV] (A_Nd:833)
145Nd60 + 9 D* --> 132Xe54 + 31P15 + 150.506 MeV [21.441 MeV] (A_Nd:834)
145Nd60 + 9 D* --> 133Cs55 + 30Si14 + 149.288 MeV [20.223 MeV] (A_Nd:835)
145Nd60 + 9 D* --> 136Ba56 + 27Al13 + 142.868 MeV [13.803 MeV] (A_Nd:836)
145Nd60 + 9 D* --> 138La57 + 25Mg12 + 136.502 MeV [7.437 MeV] (A_Nd:837)
145Nd60 + 9 D* --> 139La57 + 24Mg12 + 137.949 MeV [8.884 MeV] (A_Nd:838)
145Nd60 + 9 D* --> 140Ce58 + 23Na11 + 134.397 MeV [5.333 MeV] (A_Nd:839)
145Nd60 + 9 D* --> 141Pr59 + 22Ne10 + 130.830 MeV [1.765 MeV] (A_Nd:840)
145Nd60 + 9 D* --> 144Nd60 + 19F9 + 122.025 MeV [-7.040 MeV] (A_Nd:841)
145Nd60 + 9 D* --> 148Sm62 + 15N7 + 116.025 MeV [-13.040 MeV] (A_Nd:842)
145Nd60 + 9 D* --> 149Sm62 + 14N7 + 111.063 MeV [-18.002 MeV] (A_Nd:843)
145Nd60 + 9 D* --> 151Eu63 + 12C6 + 111.443 MeV [-17.621 MeV] (A_Nd:844)
145Nd60 + 9 D* --> 152Gd64 + 11B5 + 102.831 MeV [-26.234 MeV] (A_Nd:845)
145Nd60 + 9 D* --> 156Dy66 + 7Li3 + 92.406 MeV [-36.659 MeV] (A_Nd:846)
145Nd60 + 9 D* --> 162Er68 + 1H1 + 95.838 MeV [-33.227 MeV] (A_Nd:847)

145Nd60 + 10 D* --> 83Kr36 + 82Se34 + 207.496 MeV [62.572 MeV] (A_Nd:848)
145Nd60 + 10 D* --> 116Cd48 + 49Ti22 + 187.198 MeV [42.274 MeV] (A_Nd:849)
145Nd60 + 10 D* --> 117Sn50 + 48Ca20 + 184.534 MeV [39.610 MeV] (A_Nd:850)
145Nd60 + 10 D* --> 119Sn50 + 46Ca20 + 183.124 MeV [38.200 MeV] (A_Nd:851)
145Nd60 + 10 D* --> 122Sn50 + 43Ca20 + 178.275 MeV [33.351 MeV] (A_Nd:852)
145Nd60 + 10 D* --> 125Te52 + 40Ar18 + 173.982 MeV [29.058 MeV] (A_Nd:853)
145Nd60 + 10 D* --> 129Xe54 + 36S16 + 169.282 MeV [24.358 MeV] (A_Nd:854)
145Nd60 + 10 D* --> 131Xe54 + 34S16 + 168.267 MeV [23.343 MeV] (A_Nd:855)
145Nd60 + 10 D* --> 132Xe54 + 33S16 + 165.787 MeV [20.863 MeV] (A_Nd:856)
145Nd60 + 10 D* --> 135Ba56 + 30Si14 + 162.204 MeV [17.280 MeV] (A_Nd:857)
145Nd60 + 10 D* --> 136Ba56 + 29Si14 + 160.702 MeV [15.778 MeV] (A_Nd:858)
145Nd60 + 10 D* --> 137Ba56 + 28Si14 + 159.134 MeV [14.210 MeV] (A_Nd:859)
145Nd60 + 10 D* --> 138La57 + 27Al13 + 153.641 MeV [8.717 MeV] (A_Nd:860)
145Nd60 + 10 D* --> 140Ce58 + 25Mg12 + 151.196 MeV [6.272 MeV] (A_Nd:861)
145Nd60 + 10 D* --> 143Nd60 + 22Ne10 + 141.952 MeV [-2.972 MeV] (A_Nd:862)
145Nd60 + 10 D* --> 144Nd60 + 21Ne10 + 139.405 MeV [-5.519 MeV] (A_Nd:863)
145Nd60 + 10 D* --> 145Nd60 + 20Ne10 + 138.399 MeV [-6.525 MeV] (A_Nd:864)
145Nd60 + 10 D* --> 147Sm62 + 18O8 + 129.974 MeV [-14.950 MeV] (A_Nd:865)
145Nd60 + 10 D* --> 148Sm62 + 17O8 + 130.071 MeV [-14.853 MeV] (A_Nd:866)
145Nd60 + 10 D* --> 149Sm62 + 16O8 + 131.799 MeV [-13.125 MeV] (A_Nd:867)
145Nd60 + 10 D* --> 151Eu63 + 14N7 + 121.716 MeV [-23.208 MeV] (A_Nd:868)

145Nd60 + 10 D* --> 152Gd64 + 13C6 + 121.509 MeV [-23.415 MeV] (A_Nd:869)
145Nd60 + 10 D* --> 156Dy66 + 9Be4 + 109.102 MeV [-35.822 MeV] (A_Nd:870)
145Nd60 + 10 D* --> 162Er68 + 3He2 + 101.331 MeV [-43.592 MeV] (A_Nd:871)

145Nd60 + 11 D* --> 86Kr36 + 81Br35 + 224.296 MeV [63.218 MeV] (A_Nd:872)
145Nd60 + 11 D* --> 85Rb37 + 82Se34 + 222.817 MeV [61.739 MeV] (A_Nd:873)
145Nd60 + 11 D* --> 87Rb37 + 80Se34 + 225.414 MeV [64.335 MeV] (A_Nd:874)
145Nd60 + 11 D* --> 96Zr40 + 71Ga31 + 218.639 MeV [57.560 MeV] (A_Nd:875)
145Nd60 + 11 D* --> 116Cd48 + 51V23 + 203.977 MeV [42.898 MeV] (A_Nd:876)
145Nd60 + 11 D* --> 122Sn50 + 45Sc21 + 194.070 MeV [32.991 MeV] (A_Nd:877)
145Nd60 + 11 D* --> 121Sb51 + 46Ca20 + 195.786 MeV [34.707 MeV] (A_Nd:878)
145Nd60 + 11 D* --> 123Sb51 + 44Ca20 + 193.748 MeV [32.670 MeV] (A_Nd:879)
145Nd60 + 11 D* --> 126Te52 + 41K19 + 188.679 MeV [27.601 MeV] (A_Nd:880)
145Nd60 + 11 D* --> 128Te52 + 39K19 + 185.855 MeV [24.776 MeV] (A_Nd:881)
145Nd60 + 11 D* --> 127I53 + 40Ar18 + 187.079 MeV [26.000 MeV] (A_Nd:882)
145Nd60 + 11 D* --> 130Xe54 + 37Cl17 + 184.699 MeV [23.621 MeV] (A_Nd:883)
145Nd60 + 11 D* --> 132Xe54 + 35Cl17 + 181.350 MeV [20.271 MeV] (A_Nd:884)
145Nd60 + 11 D* --> 133Cs55 + 34S16 + 181.059 MeV [19.980 MeV] (A_Nd:885)
145Nd60 + 11 D* --> 136Ba56 + 31P15 + 176.384 MeV [15.305 MeV] (A_Nd:886)
145Nd60 + 11 D* --> 138La57 + 29Si14 + 171.476 MeV [10.397 MeV] (A_Nd:887)
145Nd60 + 11 D* --> 139La57 + 28Si14 + 171.780 MeV [10.701 MeV] (A_Nd:888)
145Nd60 + 11 D* --> 140Ce58 + 27Al13 + 168.336 MeV [7.257 MeV] (A_Nd:889)
145Nd60 + 11 D* --> 141Pr59 + 26Mg12 + 165.291 MeV [4.213 MeV] (A_Nd:890)
145Nd60 + 11 D* --> 144Nd60 + 23Na11 + 156.339 MeV [-4.740 MeV] (A_Nd:891)
145Nd60 + 11 D* --> 148Sm62 + 19F9 + 143.885 MeV [-17.193 MeV] (A_Nd:892)
145Nd60 + 11 D* --> 151Eu63 + 16O8 + 142.452 MeV [-18.627 MeV] (A_Nd:893)
145Nd60 + 11 D* --> 152Gd64 + 15N7 + 137.669 MeV [-23.410 MeV] (A_Nd:894)
145Nd60 + 11 D* --> 156Dy66 + 11B5 + 124.918 MeV [-36.161 MeV] (A_Nd:895)

145Nd60 + 12 D* --> 86Kr36 + 83Kr36 + 239.439 MeV [61.912 MeV] (A_Nd:896)
145Nd60 + 12 D* --> 87Sr38 + 82Se34 + 238.666 MeV [61.139 MeV] (A_Nd:897)
145Nd60 + 12 D* --> 96Zr40 + 73Ge32 + 232.932 MeV [55.405 MeV] (A_Nd:898)
145Nd60 + 12 D* --> 116Cd48 + 53Cr24 + 220.196 MeV [42.669 MeV] (A_Nd:899)
145Nd60 + 12 D* --> 119Sn50 + 50Ti22 + 217.687 MeV [40.160 MeV] (A_Nd:900)
145Nd60 + 12 D* --> 120Sn50 + 49Ti22 + 215.855 MeV [38.329 MeV] (A_Nd:901)
145Nd60 + 12 D* --> 122Sn50 + 47Ti22 + 211.070 MeV [33.543 MeV] (A_Nd:902)
145Nd60 + 12 D* --> 123Te52 + 46Ca20 + 208.499 MeV [30.972 MeV] (A_Nd:903)
145Nd60 + 12 D* --> 125Te52 + 44Ca20 + 206.682 MeV [29.156 MeV] (A_Nd:904)
145Nd60 + 12 D* --> 126Te52 + 43Ca20 + 204.665 MeV [27.138 MeV] (A_Nd:905)
145Nd60 + 12 D* --> 129Xe54 + 40Ar18 + 199.929 MeV [22.402 MeV] (A_Nd:906)
145Nd60 + 12 D* --> 131Xe54 + 38Ar18 + 199.321 MeV [21.795 MeV] (A_Nd:907)
145Nd60 + 12 D* --> 135Ba56 + 34S16 + 193.974 MeV [16.447 MeV] (A_Nd:908)
145Nd60 + 12 D* --> 136Ba56 + 33S16 + 191.664 MeV [14.138 MeV] (A_Nd:909)
145Nd60 + 12 D* --> 137Ba56 + 32S16 + 189.928 MeV [12.402 MeV] (A_Nd:910)
145Nd60 + 12 D* --> 138La57 + 31P15 + 187.157 MeV [9.631 MeV] (A_Nd:911)
145Nd60 + 12 D* --> 140Ce58 + 29Si14 + 186.170 MeV [8.643 MeV] (A_Nd:912)
145Nd60 + 12 D* --> 143Nd60 + 26Mg12 + 176.414 MeV [-1.113 MeV] (A_Nd:913)
145Nd60 + 12 D* --> 144Nd60 + 25Mg12 + 173.138 MeV [-4.389 MeV] (A_Nd:914)
145Nd60 + 12 D* --> 145Nd60 + 24Mg12 + 171.562 MeV [-5.964 MeV] (A_Nd:915)
145Nd60 + 12 D* --> 147Sm62 + 22Ne10 + 163.488 MeV [-14.038 MeV] (A_Nd:916)
145Nd60 + 12 D* --> 148Sm62 + 21Ne10 + 161.265 MeV [-16.261 MeV] (A_Nd:917)
145Nd60 + 12 D* --> 149Sm62 + 20Ne10 + 160.375 MeV [-17.151 MeV] (A_Nd:918)
145Nd60 + 12 D* --> 152Gd64 + 17O8 + 151.715 MeV [-25.812 MeV] (A_Nd:919)
145Nd60 + 12 D* --> 156Dy66 + 13C6 + 143.596 MeV [-33.930 MeV] (A_Nd:920)

146Nd60 + D* --> 134Xe54 + 14N7 + 17.466 MeV [4.399 MeV] (A_Nd:921)
146Nd60 + D* --> 137Ba56 + 11B5 + 11.258 MeV [-1.809 MeV] (A_Nd:922)
146Nd60 + D* --> 138Ba56 + 10B5 + 8.416 MeV [-4.652 MeV] (A_Nd:923)
146Nd60 + D* --> 139La57 + 9Be4 + 8.088 MeV [-4.979 MeV] (A_Nd:924)
146Nd60 + D* --> 142Ce58 + 6Li3 + 2.656 MeV [-10.411 MeV] (A_Nd:925)

146Nd60 + 2 D* --> 124Sn50 + 26Mg12 + 49.792 MeV [23.340 MeV] (A_Nd:926)
146Nd60 + 2 D* --> 128Te52 + 22Ne10 + 42.357 MeV [15.906 MeV] (A_Nd:927)
146Nd60 + 2 D* --> 130Te52 + 20Ne10 + 39.734 MeV [13.282 MeV] (A_Nd:928)
146Nd60 + 2 D* --> 132Xe54 + 18O8 + 35.402 MeV [8.951 MeV] (A_Nd:929)
146Nd60 + 2 D* --> 134Xe54 + 16O8 + 38.202 MeV [11.750 MeV] (A_Nd:930)
146Nd60 + 2 D* --> 137Ba56 + 13C6 + 29.937 MeV [3.485 MeV] (A_Nd:931)
146Nd60 + 2 D* --> 138Ba56 + 12C6 + 33.602 MeV [7.151 MeV] (A_Nd:932)
146Nd60 + 2 D* --> 139La57 + 11B5 + 23.904 MeV [-2.548 MeV] (A_Nd:933)
146Nd60 + 2 D* --> 146Nd60 + 4He2 + 23.847 MeV [-2.605 MeV] (A_Nd:934)
146Nd60 + 2 D* --> 150Sm62 + 22.398 MeV [-4.054 MeV] (A_Nd:935)

146Nd60 + 3 D* --> 137Ba56 + 15N7 + 46.096 MeV [5.946 MeV] (A_Nd:936)
146Nd60 + 3 D* --> 138Ba56 + 14N7 + 43.874 MeV [3.724 MeV] (A_Nd:937)
146Nd60 + 3 D* --> 139La57 + 13C6 + 42.582 MeV [2.433 MeV] (A_Nd:938)
146Nd60 + 3 D* --> 142Ce58 + 10B5 + 30.964 MeV [-9.186 MeV] (A_Nd:939)
146Nd60 + 3 D* --> 145Nd60 + 7Li3 + 25.005 MeV [-15.145 MeV] (A_Nd:940)
146Nd60 + 3 D* --> 146Nd60 + 6Li3 + 25.320 MeV [-14.830 MeV] (A_Nd:941)
146Nd60 + 3 D* --> 150Sm62 + 2H1 + 22.398 MeV [-17.752 MeV] (A_Nd:942)

146Nd60 + 4 D* --> 124Sn50 + 30Si14 + 84.282 MeV [30.121 MeV] (A_Nd:943)
146Nd60 + 4 D* --> 128Te52 + 26Mg12 + 76.819 MeV [22.658 MeV] (A_Nd:944)
146Nd60 + 4 D* --> 130Te52 + 24Mg12 + 72.897 MeV [18.737 MeV] (A_Nd:945)
146Nd60 + 4 D* --> 132Xe54 + 22Ne10 + 68.917 MeV [14.757 MeV] (A_Nd:946)
146Nd60 + 4 D* --> 134Xe54 + 20Ne10 + 66.778 MeV [12.618 MeV] (A_Nd:947)
146Nd60 + 4 D* --> 136Ba56 + 18O8 + 61.280 MeV [7.120 MeV] (A_Nd:948)
146Nd60 + 4 D* --> 137Ba56 + 17O8 + 60.142 MeV [5.982 MeV] (A_Nd:949)
146Nd60 + 4 D* --> 138Ba56 + 16O8 + 64.610 MeV [10.450 MeV] (A_Nd:950)
146Nd60 + 4 D* --> 139La57 + 15N7 + 58.742 MeV [4.582 MeV] (A_Nd:951)
146Nd60 + 4 D* --> 142Ce58 + 12C6 + 56.150 MeV [1.990 MeV] (A_Nd:952)
146Nd60 + 4 D* --> 145Nd60 + 9Be4 + 41.701 MeV [-12.459 MeV] (A_Nd:953)
146Nd60 + 4 D* --> 150Sm62 + 4He2 + 46.244 MeV [-7.916 MeV] (A_Nd:954)
146Nd60 + 4 D* --> 153Eu63 + 1H1 + 37.696 MeV [-16.464 MeV] (A_Nd:955)
146Nd60 + 4 D* --> 154Gd64 + 45.325 MeV [-8.835 MeV] (A_Nd:956)

146Nd60 + 5 D* --> 137Ba56 + 19F9 + 73.956 MeV [5.477 MeV] (A_Nd:957)
146Nd60 + 5 D* --> 138La57 + 18O8 + 72.054 MeV [3.574 MeV] (A_Nd:958)
146Nd60 + 5 D* --> 139La57 + 17O8 + 72.788 MeV [4.308 MeV] (A_Nd:959)
146Nd60 + 5 D* --> 142Ce58 + 14N7 + 66.423 MeV [-2.057 MeV] (A_Nd:960)
146Nd60 + 5 D* --> 145Nd60 + 11B5 + 57.517 MeV [-10.963 MeV] (A_Nd:961)
146Nd60 + 5 D* --> 146Nd60 + 10B5 + 53.628 MeV [-14.852 MeV] (A_Nd:962)
146Nd60 + 5 D* --> 149Sm62 + 7Li3 + 46.981 MeV [-21.498 MeV] (A_Nd:963)
146Nd60 + 5 D* --> 150Sm62 + 6Li3 + 47.718 MeV [-20.761 MeV] (A_Nd:964)
146Nd60 + 5 D* --> 153Eu63 + 3He2 + 43.190 MeV [-25.290 MeV] (A_Nd:965)
146Nd60 + 5 D* --> 154Gd64 + 2H1 + 45.325 MeV [-23.154 MeV] (A_Nd:966)
146Nd60 + 5 D* --> 155Gd64 + 1H1 + 49.536 MeV [-18.944 MeV] (A_Nd:967)

146Nd60 + 6 D* --> 82Se34 + 76Ge32 + 148.690 MeV [65.585 MeV] (A_Nd:968)

146Nd60 + 6 D* --> 110Pd46 + 48Ca20 + 130.447 MeV [47.341 MeV] (A_Nd:969)
146Nd60 + 6 D* --> 122Sn50 + 36S16 + 118.493 MeV [35.387 MeV] (A_Nd:970)
146Nd60 + 6 D* --> 124Sn50 + 34S16 + 116.052 MeV [32.946 MeV] (A_Nd:971)
146Nd60 + 6 D* --> 128Te52 + 30Si14 + 111.308 MeV [28.202 MeV] (A_Nd:972)
146Nd60 + 6 D* --> 130Te52 + 28Si14 + 106.727 MeV [23.622 MeV] (A_Nd:973)
146Nd60 + 6 D* --> 132Xe54 + 26Mg12 + 103.378 MeV [20.273 MeV] (A_Nd:974)
146Nd60 + 6 D* --> 134Xe54 + 24Mg12 + 99.941 MeV [16.836 MeV] (A_Nd:975)
146Nd60 + 6 D* --> 136Ba56 + 22Ne10 + 94.795 MeV [11.689 MeV] (A_Nd:976)
146Nd60 + 6 D* --> 137Ba56 + 21Ne10 + 91.336 MeV [8.230 MeV] (A_Nd:977)
146Nd60 + 6 D* --> 138Ba56 + 20Ne10 + 93.187 MeV [10.081 MeV] (A_Nd:978)
146Nd60 + 6 D* --> 139La57 + 19F9 + 86.602 MeV [3.496 MeV] (A_Nd:979)
146Nd60 + 6 D* --> 140Ce58 + 18O8 + 86.748 MeV [3.642 MeV] (A_Nd:980)
146Nd60 + 6 D* --> 142Ce58 + 16O8 + 87.159 MeV [4.053 MeV] (A_Nd:981)
146Nd60 + 6 D* --> 145Nd60 + 13C6 + 76.195 MeV [-6.910 MeV] (A_Nd:982)
146Nd60 + 6 D* --> 146Nd60 + 12C6 + 78.814 MeV [-4.291 MeV] (A_Nd:983)
146Nd60 + 6 D* --> 149Sm62 + 9Be4 + 63.678 MeV [-19.428 MeV] (A_Nd:984)
146Nd60 + 6 D* --> 151Eu63 + 7Li3 + 57.634 MeV [-25.472 MeV] (A_Nd:985)
146Nd60 + 6 D* --> 154Gd64 + 4He2 + 69.172 MeV [-13.934 MeV] (A_Nd:986)
146Nd60 + 6 D* --> 155Gd64 + 3He2 + 55.029 MeV [-28.077 MeV] (A_Nd:987)
146Nd60 + 6 D* --> 158Dy66 + 68.295 MeV [-14.810 MeV] (A_Nd:988)

146Nd60 + 7 D* --> 137Ba56 + 23Na11 + 108.270 MeV [10.234 MeV] (A_Nd:989)
146Nd60 + 7 D* --> 138La57 + 22Ne10 + 105.568 MeV [7.532 MeV] (A_Nd:990)
146Nd60 + 7 D* --> 139La57 + 21Ne10 + 103.982 MeV [5.946 MeV] (A_Nd:991)
146Nd60 + 7 D* --> 145Nd60 + 15N7 + 92.355 MeV [-5.682 MeV] (A_Nd:992)
146Nd60 + 7 D* --> 146Nd60 + 14N7 + 89.087 MeV [-8.950 MeV] (A_Nd:993)
146Nd60 + 7 D* --> 149Sm62 + 11B5 + 79.493 MeV [-18.544 MeV] (A_Nd:994)
146Nd60 + 7 D* --> 150Sm62 + 10B5 + 76.026 MeV [-22.011 MeV] (A_Nd:995)
146Nd60 + 7 D* --> 151Eu63 + 9Be4 + 74.330 MeV [-23.706 MeV] (A_Nd:996)
146Nd60 + 7 D* --> 154Gd64 + 6Li3 + 70.645 MeV [-27.391 MeV] (A_Nd:997)
146Nd60 + 7 D* --> 158Dy66 + 2H1 + 68.295 MeV [-29.741 MeV] (A_Nd:998)

146Nd60 + 8 D* --> 82Se34 + 80Se34 + 179.509 MeV [66.239 MeV] (A_Nd:999)
146Nd60 + 8 D* --> 86Kr36 + 76Ge32 + 180.633 MeV [67.364 MeV] (A_Nd:1000)
146Nd60 + 8 D* --> 114Cd48 + 48Ca20 + 158.390 MeV [45.120 MeV] (A_Nd:1001)
146Nd60 + 8 D* --> 116Cd48 + 46Ca20 + 156.009 MeV [42.740 MeV] (A_Nd:1002)
146Nd60 + 8 D* --> 122Sn50 + 40Ar18 + 149.141 MeV [35.871 MeV] (A_Nd:1003)
146Nd60 + 8 D* --> 124Sn50 + 38Ar18 + 147.106 MeV [33.837 MeV] (A_Nd:1004)
146Nd60 + 8 D* --> 126Te52 + 36S16 + 144.883 MeV [31.614 MeV] (A_Nd:1005)
146Nd60 + 8 D* --> 128Te52 + 34S16 + 143.079 MeV [29.809 MeV] (A_Nd:1006)
146Nd60 + 8 D* --> 130Te52 + 32S16 + 137.522 MeV [24.253 MeV] (A_Nd:1007)
146Nd60 + 8 D* --> 132Xe54 + 30Si14 + 137.868 MeV [24.599 MeV] (A_Nd:1008)
146Nd60 + 8 D* --> 134Xe54 + 28Si14 + 133.772 MeV [20.503 MeV] (A_Nd:1009)
146Nd60 + 8 D* --> 136Ba56 + 26Mg12 + 129.256 MeV [15.987 MeV]

(A_Nd:1010)
146Nd60 + 8 D* --> 137Ba56 + 25Mg12 + 125.069 MeV [11.799 MeV]
(A_Nd:1011)
146Nd60 + 8 D* --> 138Ba56 + 24Mg12 + 126.350 MeV [13.081 MeV]
(A_Nd:1012)
146Nd60 + 8 D* --> 139La57 + 23Na11 + 120.916 MeV [7.647 MeV]
(A_Nd:1013)
146Nd60 + 8 D* --> 140Ce58 + 22Ne10 + 120.263 MeV [6.993 MeV]
(A_Nd:1014)
146Nd60 + 8 D* --> 142Ce58 + 20Ne10 + 115.735 MeV [2.466 MeV]
(A_Nd:1015)
146Nd60 + 8 D* --> 144Nd60 + 18O8 + 108.689 MeV [-4.580 MeV]
(A_Nd:1016)
146Nd60 + 8 D* --> 145Nd60 + 17O8 + 106.401 MeV [-6.869 MeV]
(A_Nd:1017)
146Nd60 + 8 D* --> 146Nd60 + 16O8 + 109.823 MeV [-3.447 MeV]
(A_Nd:1018)
146Nd60 + 8 D* --> 149Sm62 + 13C6 + 98.172 MeV [-15.098 MeV]
(A_Nd:1019)
146Nd60 + 8 D* --> 150Sm62 + 12C6 + 101.212 MeV [-12.057 MeV]
(A_Nd:1020)
146Nd60 + 8 D* --> 151Eu63 + 11B5 + 90.146 MeV [-23.123 MeV]
(A_Nd:1021)
146Nd60 + 8 D* --> 158Dy66 + 4He2 + 92.142 MeV [-21.127 MeV]
(A_Nd:1022)
146Nd60 + 8 D* --> 162Er68 + 90.497 MeV [-22.772 MeV]
(A_Nd:1023)

146Nd60 + 9 D* --> 124Sn50 + 40K19 + 159.062 MeV [30.260 MeV]
(A_Nd:1024)
146Nd60 + 9 D* --> 137Ba56 + 27Al13 + 142.208 MeV [13.406 MeV]
(A_Nd:1025)
146Nd60 + 9 D* --> 138La57 + 26Mg12 + 140.030 MeV [11.228 MeV]
(A_Nd:1026)
146Nd60 + 9 D* --> 139La57 + 25Mg12 + 137.715 MeV [8.913 MeV]
(A_Nd:1027)
146Nd60 + 9 D* --> 145Nd60 + 19F9 + 120.215 MeV [-8.587 MeV]
(A_Nd:1028)
146Nd60 + 9 D* --> 149Sm62 + 15N7 + 114.331 MeV [-14.471 MeV]
(A_Nd:1029)
146Nd60 + 9 D* --> 150Sm62 + 14N7 + 111.484 MeV [-17.318 MeV]
(A_Nd:1030)
146Nd60 + 9 D* --> 151Eu63 + 13C6 + 108.825 MeV [-19.977 MeV]
(A_Nd:1031)
146Nd60 + 9 D* --> 154Gd64 + 10B5 + 98.953 MeV [-29.849 MeV]
(A_Nd:1032)
146Nd60 + 9 D* --> 158Dy66 + 6Li3 + 93.616 MeV [-35.186 MeV]
(A_Nd:1033)
146Nd60 + 9 D* --> 162Er68 + 2H1 + 90.497 MeV [-38.305 MeV]
(A_Nd:1034)

146Nd60 + 10 D* --> 84Kr36 + 82Se34 + 210.451 MeV [65.819 MeV]
(A_Nd:1035)
146Nd60 + 10 D* --> 86Kr36 + 80Se34 + 211.452 MeV [66.819 MeV]

(A_Nd:1036)
146Nd60 + 10 D* --> 96Zr40 + 70Zn30 + 205.434 MeV [60.801 MeV]
(A_Nd:1037)
146Nd60 + 10 D* --> 116Cd48 + 50Ti22 + 190.572 MeV [45.940 MeV]
(A_Nd:1038)
146Nd60 + 10 D* --> 118Sn50 + 48Ca20 + 186.296 MeV [41.664 MeV]
(A_Nd:1039)
146Nd60 + 10 D* --> 120Sn50 + 46Ca20 + 184.666 MeV [40.034 MeV]
(A_Nd:1040)
146Nd60 + 10 D* --> 122Sn50 + 44Ca20 + 181.841 MeV [37.208 MeV]
(A_Nd:1041)
146Nd60 + 10 D* --> 124Sn50 + 42Ca20 + 177.210 MeV [32.578 MeV]
(A_Nd:1042)
146Nd60 + 10 D* --> 126Te52 + 40Ar18 + 175.531 MeV [30.898 MeV]
(A_Nd:1043)
146Nd60 + 10 D* --> 128Te52 + 38Ar18 + 174.133 MeV [29.500 MeV]
(A_Nd:1044)
146Nd60 + 10 D* --> 130Te52 + 36Ar18 + 168.009 MeV [23.377 MeV]
(A_Nd:1045)
146Nd60 + 10 D* --> 130Xe54 + 36S16 + 170.972 MeV [26.340 MeV]
(A_Nd:1046)
146Nd60 + 10 D* --> 132Xe54 + 34S16 + 169.638 MeV [25.006 MeV]
(A_Nd:1047)
146Nd60 + 10 D* --> 134Xe54 + 32S16 + 164.566 MeV [19.934 MeV]
(A_Nd:1048)
146Nd60 + 10 D* --> 136Ba56 + 30Si14 + 163.746 MeV [19.114 MeV]
(A_Nd:1049)
146Nd60 + 10 D* --> 137Ba56 + 29Si14 + 160.042 MeV [15.410 MeV]
(A_Nd:1050)
146Nd60 + 10 D* --> 138Ba56 + 28Si14 + 160.181 MeV [15.548 MeV]
(A_Nd:1051)
146Nd60 + 10 D* --> 139La57 + 27Al13 + 154.854 MeV [10.222 MeV]
(A_Nd:1052)
146Nd60 + 10 D* --> 140Ce58 + 26Mg12 + 154.724 MeV [10.092 MeV]
(A_Nd:1053)
146Nd60 + 10 D* --> 142Ce58 + 24Mg12 + 148.898 MeV [4.266 MeV]
(A_Nd:1054)
146Nd60 + 10 D* --> 144Nd60 + 22Ne10 + 142.204 MeV [-2.428 MeV]
(A_Nd:1055)
146Nd60 + 10 D* --> 145Nd60 + 21Ne10 + 137.595 MeV [-7.037 MeV]
(A_Nd:1056)
146Nd60 + 10 D* --> 146Nd60 + 20Ne10 + 138.399 MeV [-6.233 MeV]
(A_Nd:1057)
146Nd60 + 10 D* --> 148Sm62 + 18O8 + 130.550 MeV [-14.083 MeV]
(A_Nd:1058)
146Nd60 + 10 D* --> 149Sm62 + 17O8 + 128.377 MeV [-16.255 MeV]
(A_Nd:1059)
146Nd60 + 10 D* --> 150Sm62 + 16O8 + 132.221 MeV [-12.412 MeV]
(A_Nd:1060)
146Nd60 + 10 D* --> 151Eu63 + 15N7 + 124.984 MeV [-19.649 MeV]
(A_Nd:1061)
146Nd60 + 10 D* --> 154Gd64 + 12C6 + 124.139 MeV [-20.493 MeV]
(A_Nd:1062)
146Nd60 + 10 D* --> 162Er68 + 4He2 + 114.344 MeV [-30.289 MeV]

(A_Nd:1063)

146Nd60 + 11 D* --> 128Te52 + 40K19 + 186.089 MeV [25.331 MeV]
(A_Nd:1064)
146Nd60 + 11 D* --> 131Xe54 + 37Cl17 + 183.739 MeV [22.980 MeV]
(A_Nd:1065)
146Nd60 + 11 D* --> 137Ba56 + 31P15 + 175.724 MeV [14.966 MeV]
(A_Nd:1066)
146Nd60 + 11 D* --> 138La57 + 30Si14 + 174.519 MeV [13.761 MeV]
(A_Nd:1067)
146Nd60 + 11 D* --> 139La57 + 29Si14 + 172.688 MeV [11.930 MeV]
(A_Nd:1068)
146Nd60 + 11 D* --> 145Nd60 + 23Na11 + 154.529 MeV [-6.229 MeV]
(A_Nd:1069)
146Nd60 + 11 D* --> 149Sm62 + 19F9 + 142.191 MeV [-18.567 MeV]
(A_Nd:1070)
146Nd60 + 11 D* --> 151Eu63 + 17O8 + 139.030 MeV [-21.729 MeV]
(A_Nd:1071)
146Nd60 + 11 D* --> 154Gd64 + 14N7 + 134.412 MeV [-26.347 MeV]
(A_Nd:1072)
146Nd60 + 11 D* --> 158Dy66 + 10B5 + 121.923 MeV [-38.835 MeV]
(A_Nd:1073)
146Nd60 + 11 D* --> 162Er68 + 6Li3 + 115.818 MeV [-44.941 MeV]
(A_Nd:1074)

146Nd60 + 12 D* --> 86Kr36 + 84Kr36 + 242.394 MeV [65.216 MeV]
(A_Nd:1075)
146Nd60 + 12 D* --> 88Sr38 + 82Se34 + 242.213 MeV [65.036 MeV]
(A_Nd:1076)
146Nd60 + 12 D* --> 94Zr40 + 76Ge32 + 237.177 MeV [60.000 MeV]
(A_Nd:1077)
146Nd60 + 12 D* --> 96Zr40 + 74Ge32 + 235.563 MeV [58.385 MeV]
(A_Nd:1078)
146Nd60 + 12 D* --> 100Mo42 + 70Zn30 + 232.447 MeV [55.269 MeV]
(A_Nd:1079)
146Nd60 + 12 D* --> 116Cd48 + 54Cr24 + 222.350 MeV [45.172 MeV]
(A_Nd:1080)
146Nd60 + 12 D* --> 120Sn50 + 50Ti22 + 219.229 MeV [42.052 MeV]
(A_Nd:1081)
146Nd60 + 12 D* --> 122Sn50 + 48Ti22 + 215.131 MeV [37.954 MeV]
(A_Nd:1082)
146Nd60 + 12 D* --> 124Sn50 + 46Ti22 + 209.058 MeV [31.880 MeV]
(A_Nd:1083)
146Nd60 + 12 D* --> 122Te52 + 48Ca20 + 211.226 MeV [34.048 MeV]
(A_Nd:1084)
146Nd60 + 12 D* --> 124Te52 + 46Ca20 + 210.357 MeV [33.180 MeV]
(A_Nd:1085)
146Nd60 + 12 D* --> 126Te52 + 44Ca20 + 208.231 MeV [31.053 MeV]
(A_Nd:1086)
146Nd60 + 12 D* --> 128Te52 + 42Ca20 + 204.237 MeV [27.059 MeV]
(A_Nd:1087)
146Nd60 + 12 D* --> 130Te52 + 40Ca20 + 198.895 MeV [21.718 MeV]
(A_Nd:1088)
146Nd60 + 12 D* --> 130Xe54 + 40Ar18 + 201.619 MeV [24.442 MeV]

(A_Nd:1089)
146Nd60 + 12 D* --> 132Xe54 + 38Ar18 + 200.693 MeV [23.515 MeV]
(A_Nd:1090)
146Nd60 + 12 D* --> 134Xe54 + 36Ar18 + 195.054 MeV [17.876 MeV]
(A_Nd:1091)
146Nd60 + 12 D* --> 133Cs55 + 37Cl17 + 196.530 MeV [19.352 MeV]
(A_Nd:1092)
146Nd60 + 12 D* --> 134Ba56 + 36S16 + 196.312 MeV [19.134 MeV]
(A_Nd:1093)
146Nd60 + 12 D* --> 136Ba56 + 34S16 + 195.516 MeV [18.339 MeV]
(A_Nd:1094)
146Nd60 + 12 D* --> 137Ba56 + 33S16 + 191.005 MeV [13.827 MeV]
(A_Nd:1095)
146Nd60 + 12 D* --> 138Ba56 + 32S16 + 190.975 MeV [13.797 MeV]
(A_Nd:1096)
146Nd60 + 12 D* --> 139La57 + 31P15 + 188.370 MeV [11.192 MeV]
(A_Nd:1097)
146Nd60 + 12 D* --> 140Ce58 + 30Si14 + 189.214 MeV [12.036 MeV]
(A_Nd:1098)
146Nd60 + 12 D* --> 142Ce58 + 28Si14 + 182.729 MeV [5.551 MeV]
(A_Nd:1099)
146Nd60 + 12 D* --> 144Nd60 + 26Mg12 + 176.665 MeV [-0.512 MeV]
(A_Nd:1100)
146Nd60 + 12 D* --> 145Nd60 + 25Mg12 + 171.328 MeV [-5.850 MeV]
(A_Nd:1101)
146Nd60 + 12 D* --> 146Nd60 + 24Mg12 + 171.562 MeV [-5.615 MeV]
(A_Nd:1102)
146Nd60 + 12 D* --> 148Sm62 + 22Ne10 + 164.064 MeV [-13.113 MeV]
(A_Nd:1103)
146Nd60 + 12 D* --> 149Sm62 + 21Ne10 + 159.571 MeV [-17.606 MeV]
(A_Nd:1104)
146Nd60 + 12 D* --> 150Sm62 + 20Ne10 + 160.797 MeV [-16.381 MeV]
(A_Nd:1105)
146Nd60 + 12 D* --> 151Eu63 + 19F9 + 152.844 MeV [-24.334 MeV]
(A_Nd:1106)
146Nd60 + 12 D* --> 152Gd64 + 18O8 + 152.193 MeV [-24.984 MeV]
(A_Nd:1107)
146Nd60 + 12 D* --> 154Gd64 + 16O8 + 155.148 MeV [-22.030 MeV]
(A_Nd:1108)
146Nd60 + 12 D* --> 158Dy66 + 12C6 + 147.110 MeV [-30.068 MeV]
(A_Nd:1109)

148Nd60 + D* --> 136Xe54 + 14N7 + 19.284 MeV [6.275 MeV]
(A_Nd:1110)

148Nd60 + 2 D* --> 130Te52 + 22Ne10 + 44.234 MeV [17.899 MeV]
(A_Nd:1111)
148Nd60 + 2 D* --> 134Xe54 + 18O8 + 37.764 MeV [11.429 MeV]
(A_Nd:1112)
148Nd60 + 2 D* --> 136Xe54 + 16O8 + 40.020 MeV [13.685 MeV]
(A_Nd:1113)
148Nd60 + 2 D* --> 148Nd60 + 4He2 + 23.847 MeV [-2.488 MeV]
(A_Nd:1114)
148Nd60 + 2 D* --> 152Sm62 + 23.627 MeV [-2.708 MeV]

(A_Nd:1115)

148Nd60 + 3 D* --> 148Nd60 + 6Li3 + 25.320 MeV [-14.655 MeV]
(A_Nd:1116)
148Nd60 + 3 D* --> 152Sm62 + 2H1 + 23.627 MeV [-16.349 MeV]
(A_Nd:1117)

148Nd60 + 4 D* --> 130Te52 + 26Mg12 + 78.695 MeV [24.768 MeV]
(A_Nd:1118)
148Nd60 + 4 D* --> 134Xe54 + 22Ne10 + 71.279 MeV [17.351 MeV]
(A_Nd:1119)
148Nd60 + 4 D* --> 136Xe54 + 20Ne10 + 68.597 MeV [14.669 MeV]
(A_Nd:1120)
148Nd60 + 4 D* --> 138Ba56 + 18O8 + 64.173 MeV [10.245 MeV]
(A_Nd:1121)
148Nd60 + 4 D* --> 152Sm62 + 4He2 + 47.473 MeV [-6.454 MeV]
(A_Nd:1122)
148Nd60 + 4 D* --> 156Gd64 + 47.672 MeV [-6.256 MeV]
(A_Nd:1123)

148Nd60 + 5 D* --> 148Nd60 + 10B5 + 53.628 MeV [-14.562 MeV]
(A_Nd:1124)
148Nd60 + 5 D* --> 152Sm62 + 6Li3 + 48.947 MeV [-19.242 MeV]
(A_Nd:1125)
148Nd60 + 5 D* --> 156Gd64 + 2H1 + 47.672 MeV [-20.518 MeV]
(A_Nd:1126)
148Nd60 + 5 D* --> 157Gd64 + 1H1 + 51.807 MeV [-16.382 MeV]
(A_Nd:1127)

148Nd60 + 6 D* --> 124Sn50 + 36S16 + 120.302 MeV [37.544 MeV]
(A_Nd:1128)
148Nd60 + 6 D* --> 130Te52 + 30Si14 + 113.185 MeV [30.427 MeV]
(A_Nd:1129)
148Nd60 + 6 D* --> 134Xe54 + 26Mg12 + 105.740 MeV [22.982 MeV]
(A_Nd:1130)
148Nd60 + 6 D* --> 136Xe54 + 24Mg12 + 101.760 MeV [19.002 MeV]
(A_Nd:1131)
148Nd60 + 6 D* --> 138Ba56 + 22Ne10 + 97.687 MeV [14.929 MeV]
(A_Nd:1132)
148Nd60 + 6 D* --> 142Ce58 + 18O8 + 86.721 MeV [3.963 MeV]
(A_Nd:1133)
148Nd60 + 6 D* --> 148Nd60 + 12C6 + 78.814 MeV [-3.944 MeV]
(A_Nd:1134)
148Nd60 + 6 D* --> 153Eu63 + 7Li3 + 59.866 MeV [-22.892 MeV]
(A_Nd:1135)
148Nd60 + 6 D* --> 156Gd64 + 4He2 + 71.518 MeV [-11.240 MeV]
(A_Nd:1136)
148Nd60 + 6 D* --> 157Gd64 + 3He2 + 57.300 MeV [-25.458 MeV]
(A_Nd:1137)
148Nd60 + 6 D* --> 159Tb65 + 1H1 + 63.651 MeV [-19.107 MeV]
(A_Nd:1138)
148Nd60 + 6 D* --> 160Dy66 + 71.079 MeV [-11.679 MeV]
(A_Nd:1139)

148Nd60 + 7 D* --> 148Nd60 + 14N7 + 89.087 MeV [-8.545 MeV]
(A_Nd:1140)
148Nd60 + 7 D* --> 152Sm62 + 10B5 + 77.255 MeV [-20.377 MeV]
(A_Nd:1141)
148Nd60 + 7 D* --> 153Eu63 + 9Be4 + 76.562 MeV [-21.069 MeV]
(A_Nd:1142)
148Nd60 + 7 D* --> 155Gd64 + 7Li3 + 71.706 MeV [-25.926 MeV]
(A_Nd:1143)
148Nd60 + 7 D* --> 156Gd64 + 6Li3 + 72.992 MeV [-24.639 MeV]
(A_Nd:1144)
148Nd60 + 7 D* --> 159Tb65 + 3He2 + 69.144 MeV [-28.487 MeV]
(A_Nd:1145)
148Nd60 + 7 D* --> 160Dy66 + 2H1 + 71.079 MeV [-26.552 MeV]
(A_Nd:1146)
148Nd60 + 7 D* --> 161Dy66 + 1H1 + 75.309 MeV [-22.323 MeV]
(A_Nd:1147)

148Nd60 + 8 D* --> 82Se34 + 82Se34 + 182.860 MeV [70.053 MeV]
(A_Nd:1148)
148Nd60 + 8 D* --> 116Cd48 + 48Ca20 + 160.606 MeV [47.799 MeV]
(A_Nd:1149)
148Nd60 + 8 D* --> 124Sn50 + 40Ar18 + 150.949 MeV [38.142 MeV]
(A_Nd:1150)
148Nd60 + 8 D* --> 128Te52 + 36S16 + 147.329 MeV [34.522 MeV]
(A_Nd:1151)
148Nd60 + 8 D* --> 130Te52 + 34S16 + 144.956 MeV [32.149 MeV]
(A_Nd:1152)
148Nd60 + 8 D* --> 134Xe54 + 30Si14 + 140.230 MeV [27.423 MeV]
(A_Nd:1153)
148Nd60 + 8 D* --> 136Xe54 + 28Si14 + 135.590 MeV [22.783 MeV]
(A_Nd:1154)
148Nd60 + 8 D* --> 138Ba56 + 26Mg12 + 132.149 MeV [19.342 MeV]
(A_Nd:1155)
148Nd60 + 8 D* --> 142Ce58 + 22Ne10 + 120.236 MeV [7.429 MeV]
(A_Nd:1156)
148Nd60 + 8 D* --> 146Nd60 + 18O8 + 109.385 MeV [-3.422 MeV]
(A_Nd:1157)
148Nd60 + 8 D* --> 148Nd60 + 16O8 + 109.823 MeV [-2.984 MeV]
(A_Nd:1158)
148Nd60 + 8 D* --> 152Sm62 + 12C6 + 102.441 MeV [-10.366 MeV]
(A_Nd:1159)
148Nd60 + 8 D* --> 153Eu63 + 11B5 + 92.378 MeV [-20.429 MeV]
(A_Nd:1160)
148Nd60 + 8 D* --> 155Gd64 + 9Be4 + 88.402 MeV [-24.405 MeV]
(A_Nd:1161)
148Nd60 + 8 D* --> 160Dy66 + 4He2 + 94.926 MeV [-17.881 MeV]
(A_Nd:1162)
148Nd60 + 8 D* --> 161Dy66 + 3He2 + 80.802 MeV [-32.005 MeV]
(A_Nd:1163)
148Nd60 + 8 D* --> 164Er68 + 93.622 MeV [-19.185 MeV]
(A_Nd:1164)

148Nd60 + 9 D* --> 152Sm62 + 14N7 + 112.713 MeV [-15.569 MeV]
(A_Nd:1165)

148Nd60 + 9 D* --> 153Eu63 + 13C6 + 111.057 MeV [-17.226 MeV]
(A_Nd:1166)
148Nd60 + 9 D* --> 155Gd64 + 11B5 + 104.217 MeV [-24.065 MeV]
(A_Nd:1167)
148Nd60 + 9 D* --> 156Gd64 + 10B5 + 101.300 MeV [-26.983 MeV]
(A_Nd:1168)
148Nd60 + 9 D* --> 160Dy66 + 6Li3 + 96.399 MeV [-31.883 MeV]
(A_Nd:1169)
148Nd60 + 9 D* --> 164Er68 + 2H1 + 93.622 MeV [-34.661 MeV]
(A_Nd:1170)

148Nd60 + 10 D* --> 86Kr36 + 82Se34 + 214.803 MeV [70.747 MeV]
(A_Nd:1171)
148Nd60 + 10 D* --> 120Sn50 + 48Ca20 + 189.263 MeV [45.207 MeV]
(A_Nd:1172)
148Nd60 + 10 D* --> 122Sn50 + 46Ca20 + 187.025 MeV [42.969 MeV]
(A_Nd:1173)
148Nd60 + 10 D* --> 124Sn50 + 44Ca20 + 183.649 MeV [39.593 MeV]
(A_Nd:1174)
148Nd60 + 10 D* --> 128Te52 + 40Ar18 + 177.976 MeV [33.920 MeV]
(A_Nd:1175)
148Nd60 + 10 D* --> 130Te52 + 38Ar18 + 176.010 MeV [31.954 MeV]
(A_Nd:1176)
148Nd60 + 10 D* --> 132Xe54 + 36S16 + 173.888 MeV [29.832 MeV]
(A_Nd:1177)
148Nd60 + 10 D* --> 134Xe54 + 34S16 + 172.000 MeV [27.944 MeV]
(A_Nd:1178)
148Nd60 + 10 D* --> 136Xe54 + 32S16 + 166.385 MeV [22.328 MeV]
(A_Nd:1179)
148Nd60 + 10 D* --> 138Ba56 + 30Si14 + 166.638 MeV [22.582 MeV]
(A_Nd:1180)
148Nd60 + 10 D* --> 142Ce58 + 26Mg12 + 154.697 MeV [10.641 MeV]
(A_Nd:1181)
148Nd60 + 10 D* --> 146Nd60 + 22Ne10 + 142.900 MeV [-1.157 MeV]
(A_Nd:1182)
148Nd60 + 10 D* --> 148Nd60 + 20Ne10 + 138.399 MeV [-5.657 MeV]
(A_Nd:1183)
148Nd60 + 10 D* --> 150Sm62 + 18O8 + 131.783 MeV [-12.273 MeV]
(A_Nd:1184)
148Nd60 + 10 D* --> 152Sm62 + 16O8 + 133.450 MeV [-10.607 MeV]
(A_Nd:1185)
148Nd60 + 10 D* --> 153Eu63 + 15N7 + 127.216 MeV [-16.840 MeV]
(A_Nd:1186)
148Nd60 + 10 D* --> 155Gd64 + 13C6 + 122.896 MeV [-21.160 MeV]
(A_Nd:1187)
148Nd60 + 10 D* --> 156Gd64 + 12C6 + 126.486 MeV [-17.570 MeV]
(A_Nd:1188)
148Nd60 + 10 D* --> 164Er68 + 4He2 + 117.468 MeV [-26.588 MeV]
(A_Nd:1189)
148Nd60 + 10 D* --> 168Yb70 + 115.518 MeV [-28.538 MeV]
(A_Nd:1190)

148Nd60 + 11 D* --> 130Te52 + 40K19 + 187.966 MeV [27.841 MeV]
(A_Nd:1191)

148Nd60 + 11 D* --> 153Eu63 + 17O8 + 141.262 MeV [-18.864 MeV]
(A_Nd:1192)
148Nd60 + 11 D* --> 155Gd64 + 15N7 + 139.055 MeV [-21.070 MeV]
(A_Nd:1193)
148Nd60 + 11 D* --> 156Gd64 + 14N7 + 136.758 MeV [-23.367 MeV]
(A_Nd:1194)
148Nd60 + 11 D* --> 160Dy66 + 10B5 + 124.707 MeV [-35.419 MeV]
(A_Nd:1195)
148Nd60 + 11 D* --> 164Er68 + 6Li3 + 118.942 MeV [-41.183 MeV]
(A_Nd:1196)
148Nd60 + 11 D* --> 168Yb70 + 2H1 + 115.518 MeV [-44.607 MeV]
(A_Nd:1197)

148Nd60 + 12 D* --> 86Kr36 + 86Kr36 + 246.746 MeV [70.258 MeV]
(A_Nd:1198)
148Nd60 + 12 D* --> 96Zr40 + 76Ge32 + 238.871 MeV [62.383 MeV]
(A_Nd:1199)
148Nd60 + 12 D* --> 122Sn50 + 50Ti22 + 221.588 MeV [45.100 MeV]
(A_Nd:1200)
148Nd60 + 12 D* --> 124Sn50 + 48Ti22 + 216.940 MeV [40.451 MeV]
(A_Nd:1201)
148Nd60 + 12 D* --> 124Te52 + 48Ca20 + 214.954 MeV [38.466 MeV]
(A_Nd:1202)
148Nd60 + 12 D* --> 126Te52 + 46Ca20 + 213.415 MeV [36.927 MeV]
(A_Nd:1203)
148Nd60 + 12 D* --> 128Te52 + 44Ca20 + 210.676 MeV [34.188 MeV]
(A_Nd:1204)
148Nd60 + 12 D* --> 130Te52 + 42Ca20 + 206.114 MeV [29.625 MeV]
(A_Nd:1205)
148Nd60 + 12 D* --> 132Xe54 + 40Ar18 + 204.536 MeV [28.047 MeV]
(A_Nd:1206)
148Nd60 + 12 D* --> 134Xe54 + 38Ar18 + 203.054 MeV [26.566 MeV]
(A_Nd:1207)
148Nd60 + 12 D* --> 136Xe54 + 36Ar18 + 196.872 MeV [20.384 MeV]
(A_Nd:1208)
148Nd60 + 12 D* --> 136Ba56 + 36S16 + 199.766 MeV [23.278 MeV]
(A_Nd:1209)
148Nd60 + 12 D* --> 138Ba56 + 34S16 + 198.409 MeV [21.920 MeV]
(A_Nd:1210)
148Nd60 + 12 D* --> 142Ce58 + 30Si14 + 189.187 MeV [12.698 MeV]
(A_Nd:1211)
148Nd60 + 12 D* --> 146Nd60 + 26Mg12 + 177.361 MeV [00.873 MeV]
(A_Nd:1212)
148Nd60 + 12 D* --> 148Nd60 + 24Mg12 + 171.562 MeV [-4.926 MeV]
(A_Nd:1213)
148Nd60 + 12 D* --> 150Sm62 + 22Ne10 + 165.297 MeV [-11.191 MeV]
(A_Nd:1214)
148Nd60 + 12 D* --> 152Sm62 + 20Ne10 + 162.026 MeV [-14.462 MeV]
(A_Nd:1215)
148Nd60 + 12 D* --> 153Eu63 + 19F9 + 155.076 MeV [-21.412 MeV]
(A_Nd:1216)
148Nd60 + 12 D* --> 154Gd64 + 18O8 + 154.710 MeV [-21.778 MeV]
(A_Nd:1217)
148Nd60 + 12 D* --> 155Gd64 + 17O8 + 153.101 MeV [-23.387 MeV]

(A_Nd:1218)
148Nd60 + 12 D* --> 156Gd64 + 16O8 + 157.494 MeV [-18.994 MeV]
(A_Nd:1219)
148Nd60 + 12 D* --> 160Dy66 + 12C6 + 149.893 MeV [-26.595 MeV]
(A_Nd:1220)
148Nd60 + 12 D* --> 168Yb70 + 4He2 + 139.365 MeV [-37.123 MeV]
(A_Nd:1221)

150Nd60 + 2 D* --> 136Xe54 + 18O8 + 39.788 MeV [13.568 MeV]
(A_Nd:1222)
150Nd60 + 2 D* --> 150Nd60 + 4He2 + 23.847 MeV [-2.374 MeV]
(A_Nd:1223)
150Nd60 + 2 D* --> 154Sm62 + 25.043 MeV [-1.177 MeV]
(A_Nd:1224)

150Nd60 + 3 D* --> 150Nd60 + 6Li3 + 25.320 MeV [-14.483 MeV]
(A_Nd:1225)
150Nd60 + 3 D* --> 154Sm62 + 2H1 + 25.043 MeV [-14.760 MeV]
(A_Nd:1226)

150Nd60 + 4 D* --> 136Xe54 + 22Ne10 + 73.303 MeV [19.604 MeV]
(A_Nd:1227)
150Nd60 + 4 D* --> 154Sm62 + 4He2 + 48.890 MeV [-4.809 MeV]
(A_Nd:1228)
150Nd60 + 4 D* --> 158Gd64 + 49.550 MeV [-4.149 MeV]
(A_Nd:1229)

150Nd60 + 5 D* --> 150Nd60 + 10B5 + 53.628 MeV [-14.276 MeV]
(A_Nd:1230)
150Nd60 + 5 D* --> 154Sm62 + 6Li3 + 50.364 MeV [-17.540 MeV]
(A_Nd:1231)
150Nd60 + 5 D* --> 158Gd64 + 2H1 + 49.550 MeV [-18.354 MeV]
(A_Nd:1232)

150Nd60 + 6 D* --> 136Xe54 + 26Mg12 + 107.764 MeV [25.348 MeV]
(A_Nd:1233)
150Nd60 + 6 D* --> 150Nd60 + 12C6 + 78.814 MeV [-3.602 MeV]
(A_Nd:1234)
150Nd60 + 6 D* --> 158Gd64 + 4He2 + 73.397 MeV [-9.020 MeV]
(A_Nd:1235)
150Nd60 + 6 D* --> 162Dy66 + 73.311 MeV [-9.105 MeV]
(A_Nd:1236)

150Nd60 + 7 D* --> 150Nd60 + 14N7 + 89.087 MeV [-8.146 MeV]
(A_Nd:1237)
150Nd60 + 7 D* --> 154Sm62 + 10B5 + 78.671 MeV [-18.562 MeV]
(A_Nd:1238)
150Nd60 + 7 D* --> 157Gd64 + 7Li3 + 74.183 MeV [-23.050 MeV]
(A_Nd:1239)
150Nd60 + 7 D* --> 158Gd64 + 6Li3 + 74.870 MeV [-22.363 MeV]
(A_Nd:1240)
150Nd60 + 7 D* --> 162Dy66 + 2H1 + 73.311 MeV [-23.921 MeV]
(A_Nd:1241)

150Nd60 + 7 D* --> 163Dy66 + 1H1 + 77.358 MeV [-19.875 MeV]
(A_Nd:1242)

150Nd60 + 8 D* --> 130Te52 + 36S16 + 149.412 MeV [37.059 MeV]
(A_Nd:1243)
150Nd60 + 8 D* --> 136Xe54 + 30Si14 + 142.254 MeV [29.902 MeV]
(A_Nd:1244)
150Nd60 + 8 D* --> 148Nd60 + 18O8 + 109.591 MeV [-2.761 MeV]
(A_Nd:1245)
150Nd60 + 8 D* --> 150Nd60 + 16O8 + 109.823 MeV [-2.529 MeV]
(A_Nd:1246)
150Nd60 + 8 D* --> 154Sm62 + 12C6 + 103.858 MeV [-8.494 MeV]
(A_Nd:1247)
150Nd60 + 8 D* --> 157Gd64 + 9Be4 + 90.879 MeV [-21.473 MeV]
(A_Nd:1248)
150Nd60 + 8 D* --> 159Tb65 + 7Li3 + 86.027 MeV [-26.325 MeV]
(A_Nd:1249)
150Nd60 + 8 D* --> 162Dy66 + 4He2 + 97.158 MeV [-15.194 MeV]
(A_Nd:1250)
150Nd60 + 8 D* --> 163Dy66 + 3He2 + 82.851 MeV [-29.501 MeV]
(A_Nd:1251)
150Nd60 + 8 D* --> 165Ho67 + 1H1 + 89.012 MeV [-23.340 MeV]
(A_Nd:1252)
150Nd60 + 8 D* --> 166Er68 + 96.328 MeV [-16.024 MeV]
(A_Nd:1253)

150Nd60 + 9 D* --> 154Sm62 + 14N7 + 114.130 MeV [-13.642 MeV]
(A_Nd:1254)
150Nd60 + 9 D* --> 157Gd64 + 11B5 + 106.695 MeV [-21.077 MeV]
(A_Nd:1255)
150Nd60 + 9 D* --> 158Gd64 + 10B5 + 103.178 MeV [-24.594 MeV]
(A_Nd:1256)
150Nd60 + 9 D* --> 159Tb65 + 9Be4 + 102.723 MeV [-25.048 MeV]
(A_Nd:1257)
150Nd60 + 9 D* --> 161Dy66 + 7Li3 + 97.685 MeV [-30.087 MeV]
(A_Nd:1258)
150Nd60 + 9 D* --> 162Dy66 + 6Li3 + 98.632 MeV [-29.140 MeV]
(A_Nd:1259)
150Nd60 + 9 D* --> 165Ho67 + 3He2 + 94.505 MeV [-33.266 MeV]
(A_Nd:1260)
150Nd60 + 9 D* --> 166Er68 + 2H1 + 96.328 MeV [-31.444 MeV]
(A_Nd:1261)
150Nd60 + 9 D* --> 167Er68 + 1H1 + 100.540 MeV [-27.232 MeV]
(A_Nd:1262)

150Nd60 + 10 D* --> 122Sn50 + 48Ca20 + 191.828 MeV [48.339 MeV]
(A_Nd:1263)
150Nd60 + 10 D* --> 124Sn50 + 46Ca20 + 189.039 MeV [45.550 MeV]
(A_Nd:1264)
150Nd60 + 10 D* --> 130Te52 + 40Ar18 + 180.059 MeV [36.570 MeV]
(A_Nd:1265)
150Nd60 + 10 D* --> 134Xe54 + 36S16 + 176.456 MeV [32.967 MeV]
(A_Nd:1266)
150Nd60 + 10 D* --> 136Xe54 + 34S16 + 174.024 MeV [30.535 MeV]

(A_Nd:1267)
150Nd60 + 10 D* --> 148Nd60 + 22Ne10 + 143.106 MeV [-0.383 MeV]
(A_Nd:1268)
150Nd60 + 10 D* --> 150Nd60 + 20Ne10 + 138.399 MeV [-5.090 MeV]
(A_Nd:1269)
150Nd60 + 10 D* --> 152Sm62 + 18O8 + 133.218 MeV [-10.271 MeV]
(A_Nd:1270)
150Nd60 + 10 D* --> 154Sm62 + 16O8 + 134.866 MeV [-8.623 MeV]
(A_Nd:1271)
150Nd60 + 10 D* --> 157Gd64 + 13C6 + 125.373 MeV [-18.116 MeV]
(A_Nd:1272)
150Nd60 + 10 D* --> 158Gd64 + 12C6 + 128.364 MeV [-15.125 MeV]
(A_Nd:1273)
150Nd60 + 10 D* --> 159Tb65 + 11B5 + 118.539 MeV [-24.950 MeV]
(A_Nd:1274)
150Nd60 + 10 D* --> 161Dy66 + 9Be4 + 114.381 MeV [-29.108 MeV]
(A_Nd:1275)
150Nd60 + 10 D* --> 166Er68 + 4He2 + 120.174 MeV [-23.315 MeV]
(A_Nd:1276)
150Nd60 + 10 D* --> 167Er68 + 3He2 + 106.033 MeV [-37.456 MeV]
(A_Nd:1277)
150Nd60 + 10 D* --> 169Tm69 + 1H1 + 111.659 MeV [-31.830 MeV]
(A_Nd:1278)
150Nd60 + 10 D* --> 170Yb70 + 118.437 MeV [-25.052 MeV]
(A_Nd:1279)

150Nd60 + 11 D* --> 157Gd64 + 15N7 + 141.533 MeV [-17.970 MeV]
(A_Nd:1280)
150Nd60 + 11 D* --> 158Gd64 + 14N7 + 138.637 MeV [-20.866 MeV]
(A_Nd:1281)
150Nd60 + 11 D* --> 159Tb65 + 13C6 + 137.217 MeV [-22.285 MeV]
(A_Nd:1282)
150Nd60 + 11 D* --> 161Dy66 + 11B5 + 130.196 MeV [-29.306 MeV]
(A_Nd:1283)
150Nd60 + 11 D* --> 162Dy66 + 10B5 + 126.939 MeV [-32.563 MeV]
(A_Nd:1284)
150Nd60 + 11 D* --> 166Er68 + 6Li3 + 121.648 MeV [-37.854 MeV]
(A_Nd:1285)
150Nd60 + 11 D* --> 169Tm69 + 3He2 + 117.152 MeV [-42.350 MeV]
(A_Nd:1286)
150Nd60 + 11 D* --> 170Yb70 + 2H1 + 118.437 MeV [-41.066 MeV]
(A_Nd:1287)
150Nd60 + 11 D* --> 171Yb70 + 1H1 + 122.826 MeV [-36.676 MeV]
(A_Nd:1288)

150Nd60 + 12 D* --> 124Sn50 + 50Ti22 + 223.602 MeV [47.793 MeV]
(A_Nd:1289)
150Nd60 + 12 D* --> 126Te52 + 48Ca20 + 218.218 MeV [42.408 MeV]
(A_Nd:1290)
150Nd60 + 12 D* --> 128Te52 + 46Ca20 + 216.066 MeV [40.257 MeV]
(A_Nd:1291)
150Nd60 + 12 D* --> 130Te52 + 44Ca20 + 212.759 MeV [36.949 MeV]
(A_Nd:1292)
150Nd60 + 12 D* --> 134Xe54 + 40Ar18 + 207.103 MeV [31.294 MeV]

(A_Nd:1293)
150Nd60 + 12 D* --> 136Xe54 + 38Ar18 + 205.079 MeV [29.269 MeV]
(A_Nd:1294)
150Nd60 + 12 D* --> 138Ba56 + 36S16 + 202.865 MeV [27.055 MeV]
(A_Nd:1295)
150Nd60 + 12 D* --> 148Nd60 + 26Mg12 + 177.567 MeV [1.757 MeV]
(A_Nd:1296)
150Nd60 + 12 D* --> 150Nd60 + 24Mg12 + 171.562 MeV [-4.247 MeV]
(A_Nd:1297)
150Nd60 + 12 D* --> 152Sm62 + 22Ne10 + 166.732 MeV [-9.077 MeV]
(A_Nd:1298)
150Nd60 + 12 D* --> 154Sm62 + 20Ne10 + 163.443 MeV [-12.367 MeV]
(A_Nd:1299)
150Nd60 + 12 D* --> 156Gd64 + 18O8 + 157.263 MeV [-18.547 MeV]
(A_Nd:1300)
150Nd60 + 12 D* --> 157Gd64 + 17O8 + 155.578 MeV [-20.231 MeV]
(A_Nd:1301)
150Nd60 + 12 D* --> 158Gd64 + 16O8 + 159.373 MeV [-16.437 MeV]
(A_Nd:1302)
150Nd60 + 12 D* --> 159Tb65 + 15N7 + 153.377 MeV [-22.433 MeV]
(A_Nd:1303)
150Nd60 + 12 D* --> 161Dy66 + 13C6 + 148.875 MeV [-26.934 MeV]
(A_Nd:1304)
150Nd60 + 12 D* --> 162Dy66 + 12C6 + 152.126 MeV [-23.684 MeV]
(A_Nd:1305)
150Nd60 + 12 D* --> 170Yb70 + 4He2 + 142.283 MeV [-33.526 MeV]
(A_Nd:1306)
150Nd60 + 12 D* --> 171Yb70 + 3He2 + 128.320 MeV [-47.490 MeV]
(A_Nd:1307)
150Nd60 + 12 D* --> 174Hf72 + 139.786 MeV [-36.024 MeV]
(A_Nd:1308)

---------- Equations follow for Samarium, Sm, element 62 ----------

144Sm62 + D* --> 96Zr40 + 50V23 + 65.828 MeV [52.264 MeV] (A_Sm:1)
144Sm62 + D* --> 119Sn50 + 27Al13 + 38.429 MeV [24.865 MeV] (A_Sm:2)
144Sm62 + D* --> 121Sb51 + 25Mg12 + 33.952 MeV [20.388 MeV] (A_Sm:3)
144Sm62 + D* --> 123Te52 + 23Na11 + 29.866 MeV [16.301 MeV] (A_Sm:4)
144Sm62 + D* --> 132Ba56 + 14N7 + 16.735 MeV [3.171 MeV] (A_Sm:5)
144Sm62 + D* --> 136Ce58 + 10B5 + 5.581 MeV [-7.983 MeV] (A_Sm:6)

144Sm62 + 2 D* --> 74Ge32 + 74Ge32 + 91.144 MeV [63.703 MeV] (A_Sm:7)
144Sm62 + 2 D* --> 76Ge32 + 72Ge32 + 90.098 MeV [62.657 MeV] (A_Sm:8)
144Sm62 + 2 D* --> 78Se34 + 70Zn30 + 90.890 MeV [63.449 MeV] (A_Sm:9)
144Sm62 + 2 D* --> 80Se34 + 68Zn30 + 92.067 MeV [64.625 MeV] (A_Sm:10)
144Sm62 + 2 D* --> 82Se34 + 66Zn30 + 90.793 MeV [63.352 MeV] (A_Sm:11)
144Sm62 + 2 D* --> 84Kr36 + 64Ni28 + 93.830 MeV [66.389 MeV] (A_Sm:12)
144Sm62 + 2 D* --> 86Kr36 + 62Ni28 + 94.311 MeV [66.870 MeV] (A_Sm:13)
144Sm62 + 2 D* --> 94Zr40 + 54Cr24 + 88.499 MeV [61.058 MeV] (A_Sm:14)
144Sm62 + 2 D* --> 96Zr40 + 52Cr24 + 85.159 MeV [57.718 MeV] (A_Sm:15)
144Sm62 + 2 D* --> 98Mo42 + 50Ti22 + 83.838 MeV [56.397 MeV] (A_Sm:16)
144Sm62 + 2 D* --> 100Mo42 + 48Ti22 + 78.972 MeV [51.530 MeV] (A_Sm:17)
144Sm62 + 2 D* --> 100Ru44 + 48Ca20 + 77.733 MeV [50.291 MeV] (A_Sm:18)
144Sm62 + 2 D* --> 102Ru44 + 46Ca20 + 76.533 MeV [49.091 MeV] (A_Sm:19)

144Sm62 + 2 D* --> 104Ru44 + 44Ca20 + 73.857 MeV [46.416 MeV] (A_Sm:20)
144Sm62 + 2 D* --> 108Pd46 + 40Ar18 + 68.864 MeV [41.423 MeV] (A_Sm:21)
144Sm62 + 2 D* --> 110Pd46 + 38Ar18 + 67.363 MeV [39.922 MeV] (A_Sm:22)
144Sm62 + 2 D* --> 112Cd48 + 36S16 + 65.544 MeV [38.103 MeV] (A_Sm:23)
144Sm62 + 2 D* --> 114Cd48 + 34S16 + 64.252 MeV [36.811 MeV] (A_Sm:24)
144Sm62 + 2 D* --> 116Cd48 + 32S16 + 59.035 MeV [31.593 MeV] (A_Sm:25)
144Sm62 + 2 D* --> 118Sn50 + 30Si14 + 60.388 MeV [32.947 MeV] (A_Sm:26)
144Sm62 + 2 D* --> 119Sn50 + 29Si14 + 56.263 MeV [28.822 MeV] (A_Sm:27)
144Sm62 + 2 D* --> 120Sn50 + 28Si14 + 56.897 MeV [29.456 MeV] (A_Sm:28)
144Sm62 + 2 D* --> 121Sb51 + 27Al13 + 51.091 MeV [23.650 MeV] (A_Sm:29)
144Sm62 + 2 D* --> 122Te52 + 26Mg12 + 50.828 MeV [23.387 MeV] (A_Sm:30)
144Sm62 + 2 D* --> 123Te52 + 25Mg12 + 46.664 MeV [19.223 MeV] (A_Sm:31)
144Sm62 + 2 D* --> 124Te52 + 24Mg12 + 48.758 MeV [21.316 MeV] (A_Sm:32)
144Sm62 + 2 D* --> 126Xe54 + 22Ne10 + 41.493 MeV [14.052 MeV] (A_Sm:33)
144Sm62 + 2 D* --> 128Xe54 + 20Ne10 + 41.201 MeV [13.760 MeV] (A_Sm:34)
144Sm62 + 2 D* --> 130Ba56 + 18O8 + 32.343 MeV [4.901 MeV] (A_Sm:35)
144Sm62 + 2 D* --> 132Ba56 + 16O8 + 37.471 MeV [10.030 MeV] (A_Sm:36)
144Sm62 + 2 D* --> 136Ce58 + 12C6 + 30.768 MeV [3.327 MeV] (A_Sm:37)
144Sm62 + 2 D* --> 144Sm62 + 4He2 + 23.847 MeV [-3.595 MeV] (A_Sm:38)

144Sm62 + 3 D* --> 100Mo42 + 50V23 + 92.841 MeV [51.213 MeV] (A_Sm:39)
144Sm62 + 3 D* --> 110Pd46 + 40K19 + 79.320 MeV [37.691 MeV] (A_Sm:40)
144Sm62 + 3 D* --> 113Cd48 + 37Cl17 + 78.246 MeV [36.618 MeV] (A_Sm:41)
144Sm62 + 3 D* --> 119Sn50 + 31P15 + 71.944 MeV [30.316 MeV] (A_Sm:42)
144Sm62 + 3 D* --> 121Sb51 + 29Si14 + 68.925 MeV [27.297 MeV] (A_Sm:43)
144Sm62 + 3 D* --> 123Te52 + 27Al13 + 63.804 MeV [22.175 MeV] (A_Sm:44)
144Sm62 + 3 D* --> 136Ce58 + 14N7 + 41.040 MeV [-0.588 MeV] (A_Sm:45)
144Sm62 + 3 D* --> 144Sm62 + 6Li3 + 25.320 MeV [-16.308 MeV] (A_Sm:46)

144Sm62 + 4 D* --> 76Ge32 + 76Se34 + 119.036 MeV [62.913 MeV] (A_Sm:47)
144Sm62 + 4 D* --> 76Se34 + 76Ge32 + 119.036 MeV [62.913 MeV] (A_Sm:48)
144Sm62 + 4 D* --> 78Se34 + 74Ge32 + 121.019 MeV [64.896 MeV] (A_Sm:49)
144Sm62 + 4 D* --> 80Se34 + 72Ge32 + 120.917 MeV [64.793 MeV] (A_Sm:50)
144Sm62 + 4 D* --> 82Se34 + 70Ge32 + 118.728 MeV [62.605 MeV] (A_Sm:51)
144Sm62 + 4 D* --> 81Br35 + 71Ga31 + 118.686 MeV [62.563 MeV] (A_Sm:52)
144Sm62 + 4 D* --> 82Kr36 + 70Zn30 + 120.725 MeV [64.602 MeV] (A_Sm:53)
144Sm62 + 4 D* --> 84Kr36 + 68Zn30 + 123.009 MeV [66.886 MeV] (A_Sm:54)
144Sm62 + 4 D* --> 86Kr36 + 66Zn30 + 122.736 MeV [66.612 MeV] (A_Sm:55)
144Sm62 + 4 D* --> 87Rb37 + 65Cu29 + 122.432 MeV [66.309 MeV] (A_Sm:56)
144Sm62 + 4 D* --> 88Sr38 + 64Ni28 + 125.592 MeV [69.468 MeV] (A_Sm:57)
144Sm62 + 4 D* --> 94Zr40 + 58Fe26 + 119.991 MeV [63.868 MeV] (A_Sm:58)
144Sm62 + 4 D* --> 96Zr40 + 56Fe26 + 116.619 MeV [60.496 MeV] (A_Sm:59)
144Sm62 + 4 D* --> 98Mo42 + 54Cr24 + 115.615 MeV [59.492 MeV] (A_Sm:60)
144Sm62 + 4 D* --> 100Mo42 + 52Cr24 + 112.172 MeV [56.049 MeV] (A_Sm:61)
144Sm62 + 4 D* --> 102Ru44 + 50Ti22 + 111.096 MeV [54.972 MeV] (A_Sm:62)
144Sm62 + 4 D* --> 104Ru44 + 48Ti22 + 107.148 MeV [51.024 MeV] (A_Sm:63)
144Sm62 + 4 D* --> 104Pd46 + 48Ca20 + 104.175 MeV [48.052 MeV] (A_Sm:64)
144Sm62 + 4 D* --> 106Pd46 + 46Ca20 + 103.608 MeV [47.485 MeV] (A_Sm:65)
144Sm62 + 4 D* --> 108Pd46 + 44Ca20 + 101.564 MeV [45.440 MeV] (A_Sm:66)
144Sm62 + 4 D* --> 110Pd46 + 42Ca20 + 97.467 MeV [41.344 MeV] (A_Sm:67)
144Sm62 + 4 D* --> 112Cd48 + 40Ar18 + 96.191 MeV [40.068 MeV] (A_Sm:68)
144Sm62 + 4 D* --> 114Cd48 + 38Ar18 + 95.306 MeV [39.183 MeV] (A_Sm:69)
144Sm62 + 4 D* --> 116Cd48 + 36Ar18 + 89.522 MeV [33.398 MeV] (A_Sm:70)
144Sm62 + 4 D* --> 115In49 + 37Cl17 + 91.869 MeV [35.746 MeV] (A_Sm:71)

144Sm62 + 4 D* --> 116Sn50 + 36S16 + 92.763 MeV [36.640 MeV] (A_Sm:72)
144Sm62 + 4 D* --> 118Sn50 + 34S16 + 92.159 MeV [36.035 MeV] (A_Sm:73)
144Sm62 + 4 D* --> 119Sn50 + 33S16 + 87.225 MeV [31.102 MeV] (A_Sm:74)
144Sm62 + 4 D* --> 120Sn50 + 32S16 + 87.692 MeV [31.568 MeV] (A_Sm:75)
144Sm62 + 4 D* --> 121Sb51 + 31P15 + 84.607 MeV [28.483 MeV] (A_Sm:76)
144Sm62 + 4 D* --> 122Te52 + 30Si14 + 85.318 MeV [29.194 MeV] (A_Sm:77)
144Sm62 + 4 D* --> 123Te52 + 29Si14 + 81.638 MeV [25.514 MeV] (A_Sm:78)
144Sm62 + 4 D* --> 124Te52 + 28Si14 + 82.588 MeV [26.465 MeV] (A_Sm:79)
144Sm62 + 4 D* --> 126Xe54 + 26Mg12 + 75.954 MeV [19.831 MeV] (A_Sm:80)
144Sm62 + 4 D* --> 128Xe54 + 24Mg12 + 74.365 MeV [18.241 MeV] (A_Sm:81)
144Sm62 + 4 D* --> 130Ba56 + 22Ne10 + 65.857 MeV [9.734 MeV] (A_Sm:82)
144Sm62 + 4 D* --> 132Ba56 + 20Ne10 + 66.048 MeV [9.924 MeV] (A_Sm:83)
144Sm62 + 4 D* --> 136Ce58 + 16O8 + 61.776 MeV [5.653 MeV] (A_Sm:84)

144Sm62 + 5 D* --> 81Br35 + 73Ge32 + 132.979 MeV [62.055 MeV] (A_Sm:85)
144Sm62 + 5 D* --> 83Kr36 + 71Ga31 + 133.829 MeV [62.905 MeV] (A_Sm:86)
144Sm62 + 5 D* --> 87Rb37 + 67Zn30 + 136.185 MeV [65.261 MeV] (A_Sm:87)
144Sm62 + 5 D* --> 104Ru44 + 50V23 + 121.017 MeV [50.093 MeV] (A_Sm:88)
144Sm62 + 5 D* --> 113Cd48 + 41K19 + 108.315 MeV [37.391 MeV] (A_Sm:89)
144Sm62 + 5 D* --> 114Cd48 + 40K19 + 107.263 MeV [36.339 MeV] (A_Sm:90)
144Sm62 + 5 D* --> 117Sn50 + 37Cl17 + 105.868 MeV [34.944 MeV] (A_Sm:91)
144Sm62 + 5 D* --> 119Sn50 + 35Cl17 + 102.789 MeV [31.865 MeV] (A_Sm:92)
144Sm62 + 5 D* --> 121Sb51 + 33S16 + 99.888 MeV [28.964 MeV] (A_Sm:93)
144Sm62 + 5 D* --> 123Te52 + 31P15 + 97.319 MeV [26.395 MeV] (A_Sm:94)
144Sm62 + 5 D* --> 144Sm62 + 10B5 + 53.628 MeV [-17.296 MeV] (A_Sm:95)

144Sm62 + 6 D* --> 78Se34 + 78Se34 + 150.895 MeV [64.867 MeV] (A_Sm:96)
144Sm62 + 6 D* --> 80Se34 + 76Se34 + 149.854 MeV [63.827 MeV] (A_Sm:97)
144Sm62 + 6 D* --> 82Se34 + 74Se34 + 146.649 MeV [60.622 MeV] (A_Sm:98)
144Sm62 + 6 D* --> 81Br35 + 75As33 + 147.850 MeV [61.822 MeV] (A_Sm:99)
144Sm62 + 6 D* --> 80Kr36 + 76Ge32 + 147.948 MeV [61.920 MeV] (A_Sm:100)
144Sm62 + 6 D* --> 82Kr36 + 74Ge32 + 150.854 MeV [64.827 MeV] (A_Sm:101)
144Sm62 + 6 D* --> 83Kr36 + 73Ge32 + 148.122 MeV [62.094 MeV] (A_Sm:102)
144Sm62 + 6 D* --> 84Kr36 + 72Ge32 + 151.859 MeV [65.832 MeV] (A_Sm:103)
144Sm62 + 6 D* --> 86Kr36 + 70Ge32 + 150.671 MeV [64.644 MeV] (A_Sm:104)
144Sm62 + 6 D* --> 85Rb37 + 71Ga31 + 149.150 MeV [63.123 MeV] (A_Sm:105)
144Sm62 + 6 D* --> 87Rb37 + 69Ga31 + 150.768 MeV [64.740 MeV] (A_Sm:106)
144Sm62 + 6 D* --> 86Sr38 + 70Zn30 + 150.931 MeV [64.903 MeV] (A_Sm:107)
144Sm62 + 6 D* --> 88Sr38 + 68Zn30 + 154.771 MeV [68.744 MeV] (A_Sm:108)
144Sm62 + 6 D* --> 92Zr40 + 64Ni28 + 152.396 MeV [66.368 MeV] (A_Sm:109)
144Sm62 + 6 D* --> 94Zr40 + 62Ni28 + 150.855 MeV [64.828 MeV] (A_Sm:110)
144Sm62 + 6 D* --> 96Zr40 + 60Ni28 + 146.757 MeV [60.730 MeV] (A_Sm:111)
144Sm62 + 6 D* --> 98Mo42 + 58Fe26 + 147.108 MeV [61.080 MeV] (A_Sm:112)
144Sm62 + 6 D* --> 100Mo42 + 56Fe26 + 143.632 MeV [57.605 MeV] (A_Sm:113)
144Sm62 + 6 D* --> 102Ru44 + 54Cr24 + 142.873 MeV [56.846 MeV] (A_Sm:114)
144Sm62 + 6 D* --> 104Ru44 + 52Cr24 + 140.348 MeV [54.321 MeV] (A_Sm:115)
144Sm62 + 6 D* --> 106Pd46 + 50Ti22 + 138.172 MeV [52.144 MeV] (A_Sm:116)
144Sm62 + 6 D* --> 108Pd46 + 48Ti22 + 134.854 MeV [48.827 MeV] (A_Sm:117)
144Sm62 + 6 D* --> 110Pd46 + 46Ti22 + 129.315 MeV [43.288 MeV] (A_Sm:118)
144Sm62 + 6 D* --> 108Cd48 + 48Ca20 + 130.309 MeV [44.281 MeV] (A_Sm:119)
144Sm62 + 6 D* --> 110Cd48 + 46Ca20 + 130.330 MeV [44.303 MeV] (A_Sm:120)
144Sm62 + 6 D* --> 112Cd48 + 44Ca20 + 128.891 MeV [42.864 MeV] (A_Sm:121)
144Sm62 + 6 D* --> 113Cd48 + 43Ca20 + 124.300 MeV [38.273 MeV] (A_Sm:122)
144Sm62 + 6 D* --> 114Cd48 + 42Ca20 + 125.410 MeV [39.383 MeV] (A_Sm:123)

144Sm62 + 6 D* --> 116Cd48 + 40Ca20 + 120.408 MeV [34.381 MeV] (A_Sm:124)
144Sm62 + 6 D* --> 115In49 + 41K19 + 121.938 MeV [35.911 MeV] (A_Sm:125)
144Sm62 + 6 D* --> 116Sn50 + 40Ar18 + 123.410 MeV [37.383 MeV] (A_Sm:126)
144Sm62 + 6 D* --> 118Sn50 + 38Ar18 + 123.213 MeV [37.186 MeV] (A_Sm:127)
144Sm62 + 6 D* --> 120Sn50 + 36Ar18 + 118.179 MeV [32.152 MeV] (A_Sm:128)
144Sm62 + 6 D* --> 121Sb51 + 35Cl17 + 115.451 MeV [29.424 MeV] (A_Sm:129)
144Sm62 + 6 D* --> 120Te52 + 36S16 + 116.911 MeV [30.884 MeV] (A_Sm:130)
144Sm62 + 6 D* --> 122Te52 + 34S16 + 117.088 MeV [31.061 MeV] (A_Sm:131)
144Sm62 + 6 D* --> 123Te52 + 33S16 + 112.600 MeV [26.573 MeV] (A_Sm:132)
144Sm62 + 6 D* --> 124Te52 + 32S16 + 113.383 MeV [27.355 MeV] (A_Sm:133)
144Sm62 + 6 D* --> 126Xe54 + 30Si14 + 110.444 MeV [24.416 MeV] (A_Sm:134)
144Sm62 + 6 D* --> 128Xe54 + 28Si14 + 108.195 MeV [22.168 MeV] (A_Sm:135)
144Sm62 + 6 D* --> 130Ba56 + 26Mg12 + 100.319 MeV [14.291 MeV] (A_Sm:136)
144Sm62 + 6 D* --> 132Ba56 + 24Mg12 + 99.211 MeV [13.183 MeV] (A_Sm:137)
144Sm62 + 6 D* --> 136Ce58 + 20Ne10 + 90.353 MeV [4.325 MeV] (A_Sm:138)
144Sm62 + 6 D* --> 144Sm62 + 12C6 + 78.814 MeV [-7.213 MeV] (A_Sm:139)

144Sm62 + 7 D* --> 81Br35 + 77Se34 + 162.553 MeV [61.121 MeV] (A_Sm:140)
144Sm62 + 7 D* --> 83Kr36 + 75As33 + 162.992 MeV [61.561 MeV] (A_Sm:141)
144Sm62 + 7 D* --> 85Rb37 + 73Ge32 + 163.443 MeV [62.011 MeV] (A_Sm:142)
144Sm62 + 7 D* --> 87Sr38 + 71Ga31 + 164.999 MeV [63.567 MeV] (A_Sm:143)
144Sm62 + 7 D* --> 108Pd46 + 50V23 + 148.724 MeV [47.292 MeV] (A_Sm:144)
144Sm62 + 7 D* --> 109Ag47 + 49Ti22 + 147.260 MeV [45.828 MeV] (A_Sm:145)
144Sm62 + 7 D* --> 113Cd48 + 45Sc21 + 140.095 MeV [38.663 MeV] (A_Sm:146)
144Sm62 + 7 D* --> 115In49 + 43Ca20 + 137.923 MeV [36.492 MeV] (A_Sm:147)
144Sm62 + 7 D* --> 117Sn50 + 41K19 + 135.937 MeV [34.505 MeV] (A_Sm:148)
144Sm62 + 7 D* --> 118Sn50 + 40K19 + 135.169 MeV [33.738 MeV] (A_Sm:149)
144Sm62 + 7 D* --> 119Sn50 + 39K19 + 133.853 MeV [32.422 MeV] (A_Sm:150)
144Sm62 + 7 D* --> 123Te52 + 35Cl17 + 128.164 MeV [26.732 MeV] (A_Sm:151)
144Sm62 + 7 D* --> 144Sm62 + 14N7 + 89.087 MeV [-12.345 MeV] (A_Sm:152)

144Sm62 + 8 D* --> 80Se34 + 80Kr36 + 178.766 MeV [61.632 MeV] (A_Sm:153)
144Sm62 + 8 D* --> 82Se34 + 78Kr36 + 174.888 MeV [57.753 MeV] (A_Sm:154)
144Sm62 + 8 D* --> 81Br35 + 79Br35 + 177.157 MeV [60.023 MeV] (A_Sm:155)
144Sm62 + 8 D* --> 80Kr36 + 80Se34 + 178.766 MeV [61.632 MeV] (A_Sm:156)
144Sm62 + 8 D* --> 82Kr36 + 78Se34 + 180.729 MeV [63.595 MeV] (A_Sm:157)
144Sm62 + 8 D* --> 83Kr36 + 77Se34 + 177.695 MeV [60.561 MeV] (A_Sm:158)
144Sm62 + 8 D* --> 84Kr36 + 76Se34 + 180.797 MeV [63.662 MeV] (A_Sm:159)
144Sm62 + 8 D* --> 86Kr36 + 74Se34 + 178.592 MeV [61.458 MeV] (A_Sm:160)
144Sm62 + 8 D* --> 85Rb37 + 75As33 + 178.314 MeV [61.179 MeV] (A_Sm:161)
144Sm62 + 8 D* --> 84Sr38 + 76Ge32 + 176.971 MeV [59.836 MeV] (A_Sm:162)
144Sm62 + 8 D* --> 86Sr38 + 74Ge32 + 181.060 MeV [63.925 MeV] (A_Sm:163)
144Sm62 + 8 D* --> 87Sr38 + 73Ge32 + 179.292 MeV [62.157 MeV] (A_Sm:164)
144Sm62 + 8 D* --> 88Sr38 + 72Ge32 + 183.621 MeV [66.487 MeV] (A_Sm:165)
144Sm62 + 8 D* --> 89Y39 + 71Ga31 + 180.956 MeV [63.821 MeV] (A_Sm:166)
144Sm62 + 8 D* --> 90Zr40 + 70Zn30 + 181.446 MeV [64.311 MeV] (A_Sm:167)
144Sm62 + 8 D* --> 92Zr40 + 68Zn30 + 181.575 MeV [64.440 MeV] (A_Sm:168)
144Sm62 + 8 D* --> 94Zr40 + 66Zn30 + 179.280 MeV [62.146 MeV] (A_Sm:169)
144Sm62 + 8 D* --> 96Zr40 + 64Zn30 + 174.560 MeV [57.426 MeV] (A_Sm:170)
144Sm62 + 8 D* --> 96Mo42 + 64Ni28 + 179.004 MeV [61.869 MeV] (A_Sm:171)
144Sm62 + 8 D* --> 98Mo42 + 62Ni28 + 177.972 MeV [60.837 MeV] (A_Sm:172)
144Sm62 + 8 D* --> 100Mo42 + 60Ni28 + 173.770 MeV [56.636 MeV] (A_Sm:173)
144Sm62 + 8 D* --> 102Ru44 + 58Fe26 + 174.365 MeV [57.231 MeV] (A_Sm:174)
144Sm62 + 8 D* --> 104Ru44 + 56Fe26 + 171.808 MeV [54.674 MeV] (A_Sm:175)

144Sm62 + 8 D* --> 106Pd46 + 54Cr24 + 169.949 MeV [52.814 MeV] (A_Sm:176)
144Sm62 + 8 D* --> 108Pd46 + 52Cr24 + 168.055 MeV [50.921 MeV] (A_Sm:177)
144Sm62 + 8 D* --> 110Pd46 + 50Cr24 + 161.722 MeV [44.588 MeV] (A_Sm:178)
144Sm62 + 8 D* --> 109Ag47 + 51V23 + 164.038 MeV [46.903 MeV] (A_Sm:179)
144Sm62 + 8 D* --> 110Cd48 + 50Ti22 + 164.893 MeV [47.759 MeV] (A_Sm:180)
144Sm62 + 8 D* --> 111Cd48 + 49Ti22 + 160.930 MeV [43.796 MeV] (A_Sm:181)
144Sm62 + 8 D* --> 112Cd48 + 48Ti22 + 162.182 MeV [45.048 MeV] (A_Sm:182)
144Sm62 + 8 D* --> 113Cd48 + 47Ti22 + 157.095 MeV [39.961 MeV] (A_Sm:183)
144Sm62 + 8 D* --> 114Cd48 + 46Ti22 + 157.258 MeV [40.124 MeV] (A_Sm:184)
144Sm62 + 8 D* --> 115In49 + 45Sc21 + 153.718 MeV [36.584 MeV] (A_Sm:185)
144Sm62 + 8 D* --> 112Sn50 + 48Ca20 + 155.989 MeV [38.855 MeV] (A_Sm:186)
144Sm62 + 8 D* --> 114Sn50 + 46Ca20 + 156.810 MeV [39.675 MeV] (A_Sm:187)
144Sm62 + 8 D* --> 116Sn50 + 44Ca20 + 156.110 MeV [38.976 MeV] (A_Sm:188)
144Sm62 + 8 D* --> 117Sn50 + 43Ca20 + 151.922 MeV [34.788 MeV] (A_Sm:189)
144Sm62 + 8 D* --> 118Sn50 + 42Ca20 + 153.317 MeV [36.182 MeV] (A_Sm:190)
144Sm62 + 8 D* --> 120Sn50 + 40Ca20 + 149.065 MeV [31.931 MeV] (A_Sm:191)
144Sm62 + 8 D* --> 121Sb51 + 39K19 + 146.516 MeV [29.381 MeV] (A_Sm:192)
144Sm62 + 8 D* --> 120Te52 + 40Ar18 + 147.558 MeV [30.424 MeV] (A_Sm:193)
144Sm62 + 8 D* --> 122Te52 + 38Ar18 + 148.142 MeV [31.008 MeV] (A_Sm:194)
144Sm62 + 8 D* --> 124Te52 + 36Ar18 + 143.870 MeV [26.735 MeV] (A_Sm:195)
144Sm62 + 8 D* --> 124Xe54 + 36S16 + 141.438 MeV [24.303 MeV] (A_Sm:196)
144Sm62 + 8 D* --> 126Xe54 + 34S16 + 142.214 MeV [25.080 MeV] (A_Sm:197)
144Sm62 + 8 D* --> 128Xe54 + 32S16 + 138.990 MeV [21.855 MeV] (A_Sm:198)
144Sm62 + 8 D* --> 130Ba56 + 30Si14 + 134.808 MeV [17.674 MeV] (A_Sm:199)
144Sm62 + 8 D* --> 132Ba56 + 28Si14 + 133.041 MeV [15.907 MeV] (A_Sm:200)
144Sm62 + 8 D* --> 136Ce58 + 24Mg12 + 123.516 MeV [6.381 MeV] (A_Sm:201)
144Sm62 + 8 D* --> 144Sm62 + 16O8 + 109.823 MeV [-7.312 MeV] (A_Sm:202)

144Sm62 + 9 D* --> 83Kr36 + 79Br35 + 192.300 MeV [59.166 MeV] (A_Sm:203)
144Sm62 + 9 D* --> 85Rb37 + 77Se34 + 193.016 MeV [59.883 MeV] (A_Sm:204)
144Sm62 + 9 D* --> 87Sr38 + 75As33 + 194.162 MeV [61.029 MeV] (A_Sm:205)
144Sm62 + 9 D* --> 89Y39 + 73Ge32 + 195.249 MeV [62.115 MeV] (A_Sm:206)
144Sm62 + 9 D* --> 91Zr40 + 71Ga31 + 194.280 MeV [61.146 MeV] (A_Sm:207)
144Sm62 + 9 D* --> 97Mo42 + 65Cu29 + 191.054 MeV [57.920 MeV] (A_Sm:208)
144Sm62 + 9 D* --> 109Ag47 + 53Cr24 + 180.257 MeV [47.123 MeV] (A_Sm:209)
144Sm62 + 9 D* --> 111Cd48 + 51V23 + 177.708 MeV [44.575 MeV] (A_Sm:210)
144Sm62 + 9 D* --> 112Cd48 + 50V23 + 176.052 MeV [42.918 MeV] (A_Sm:211)
144Sm62 + 9 D* --> 113In49 + 49Ti22 + 174.178 MeV [41.044 MeV] (A_Sm:212)
144Sm62 + 9 D* --> 115In49 + 47Ti22 + 170.719 MeV [37.585 MeV] (A_Sm:213)
144Sm62 + 9 D* --> 117Sn50 + 45Sc21 + 167.717 MeV [34.584 MeV] (A_Sm:214)
144Sm62 + 9 D* --> 122Te52 + 40K19 + 160.099 MeV [26.965 MeV] (A_Sm:215)
144Sm62 + 9 D* --> 123Te52 + 39K19 + 159.228 MeV [26.095 MeV] (A_Sm:216)

144Sm62 + 10 D* --> 82Kr36 + 82Kr36 + 210.564 MeV [61.137 MeV] (A_Sm:217)
144Sm62 + 10 D* --> 84Kr36 + 80Kr36 + 209.709 MeV [60.282 MeV] (A_Sm:218)
144Sm62 + 10 D* --> 86Kr36 + 78Kr36 + 206.831 MeV [57.403 MeV] (A_Sm:219)
144Sm62 + 10 D* --> 85Rb37 + 79Br35 + 207.621 MeV [58.194 MeV] (A_Sm:220)
144Sm62 + 10 D* --> 84Sr38 + 80Se34 + 207.789 MeV [58.362 MeV] (A_Sm:221)
144Sm62 + 10 D* --> 86Sr38 + 78Se34 + 210.935 MeV [61.508 MeV] (A_Sm:222)
144Sm62 + 10 D* --> 87Sr38 + 77Se34 + 208.865 MeV [59.438 MeV] (A_Sm:223)
144Sm62 + 10 D* --> 88Sr38 + 76Se34 + 212.559 MeV [63.132 MeV] (A_Sm:224)
144Sm62 + 10 D* --> 89Y39 + 75As33 + 210.119 MeV [60.692 MeV] (A_Sm:225)
144Sm62 + 10 D* --> 90Zr40 + 74Ge32 + 211.575 MeV [62.148 MeV] (A_Sm:226)
144Sm62 + 10 D* --> 91Zr40 + 73Ge32 + 208.573 MeV [59.146 MeV] (A_Sm:227)

144Sm62 + 10 D* --> 92Zr40 + 72Ge32 + 210.425 MeV [60.998 MeV] (A_Sm:228)
144Sm62 + 10 D* --> 94Zr40 + 70Ge32 + 207.215 MeV [57.788 MeV] (A_Sm:229)
144Sm62 + 10 D* --> 93Nb41 + 71Ga31 + 206.734 MeV [57.307 MeV] (A_Sm:230)
144Sm62 + 10 D* --> 94Mo42 + 70Zn30 + 207.360 MeV [57.932 MeV] (A_Sm:231)
144Sm62 + 10 D* --> 96Mo42 + 68Zn30 + 208.183 MeV [58.756 MeV] (A_Sm:232)
144Sm62 + 10 D* --> 97Mo42 + 67Zn30 + 204.806 MeV [55.379 MeV] (A_Sm:233)
144Sm62 + 10 D* --> 98Mo42 + 66Zn30 + 206.396 MeV [56.969 MeV] (A_Sm:234)
144Sm62 + 10 D* --> 100Mo42 + 64Zn30 + 201.573 MeV [52.146 MeV] (A_Sm:235)
144Sm62 + 10 D* --> 100Ru44 + 64Ni28 + 205.704 MeV [56.276 MeV] (A_Sm:236)
144Sm62 + 10 D* --> 102Ru44 + 62Ni28 + 205.229 MeV [55.802 MeV] (A_Sm:237)
144Sm62 + 10 D* --> 104Ru44 + 60Ni28 + 201.946 MeV [52.519 MeV] (A_Sm:238)
144Sm62 + 10 D* --> 106Pd46 + 58Fe26 + 201.441 MeV [52.014 MeV] (A_Sm:239)
144Sm62 + 10 D* --> 108Pd46 + 56Fe26 + 199.515 MeV [50.088 MeV] (A_Sm:240)
144Sm62 + 10 D* --> 110Pd46 + 54Fe26 + 193.987 MeV [44.560 MeV] (A_Sm:241)
144Sm62 + 10 D* --> 109Ag47 + 55Mn25 + 195.819 MeV [46.391 MeV] (A_Sm:242)
144Sm62 + 10 D* --> 110Cd48 + 54Cr24 + 196.671 MeV [47.244 MeV] (A_Sm:243)
144Sm62 + 10 D* --> 111Cd48 + 53Cr24 + 193.928 MeV [44.500 MeV] (A_Sm:244)
144Sm62 + 10 D* --> 112Cd48 + 52Cr24 + 195.383 MeV [45.956 MeV] (A_Sm:245)
144Sm62 + 10 D* --> 114Cd48 + 50Cr24 + 189.666 MeV [40.239 MeV] (A_Sm:246)
144Sm62 + 10 D* --> 113In49 + 51V23 + 190.956 MeV [41.529 MeV] (A_Sm:247)
144Sm62 + 10 D* --> 114Sn50 + 50Ti22 + 191.373 MeV [41.946 MeV] (A_Sm:248)
144Sm62 + 10 D* --> 115Sn50 + 49Ti22 + 187.980 MeV [38.553 MeV] (A_Sm:249)
144Sm62 + 10 D* --> 116Sn50 + 48Ti22 + 189.401 MeV [39.974 MeV] (A_Sm:250)
144Sm62 + 10 D* --> 117Sn50 + 47Ti22 + 184.718 MeV [35.290 MeV] (A_Sm:251)
144Sm62 + 10 D* --> 118Sn50 + 46Ti22 + 185.165 MeV [35.738 MeV] (A_Sm:252)
144Sm62 + 10 D* --> 120Te52 + 44Ca20 + 180.258 MeV [30.831 MeV] (A_Sm:253)
144Sm62 + 10 D* --> 122Te52 + 42Ca20 + 178.246 MeV [28.819 MeV] (A_Sm:254)
144Sm62 + 10 D* --> 124Te52 + 40Ca20 + 174.756 MeV [25.329 MeV] (A_Sm:255)
144Sm62 + 10 D* --> 124Xe54 + 40Ar18 + 172.085 MeV [22.658 MeV] (A_Sm:256)
144Sm62 + 10 D* --> 126Xe54 + 38Ar18 + 173.268 MeV [23.841 MeV] (A_Sm:257)
144Sm62 + 10 D* --> 128Xe54 + 36Ar18 + 169.477 MeV [20.050 MeV] (A_Sm:258)
144Sm62 + 10 D* --> 130Ba56 + 34S16 + 166.579 MeV [17.151 MeV] (A_Sm:259)
144Sm62 + 10 D* --> 132Ba56 + 32S16 + 163.836 MeV [14.409 MeV] (A_Sm:260)
144Sm62 + 10 D* --> 136Ce58 + 28Si14 + 157.346 MeV [7.919 MeV] (A_Sm:261)
144Sm62 + 10 D* --> 144Sm62 + 20Ne10 + 138.399 MeV [-11.028 MeV] (A_Sm:262)

144Sm62 + 11 D* --> 87Sr38 + 79Br35 + 223.470 MeV [57.457 MeV] (A_Sm:263)
144Sm62 + 11 D* --> 89Y39 + 77Se34 + 224.822 MeV [58.810 MeV] (A_Sm:264)
144Sm62 + 11 D* --> 91Zr40 + 75As33 + 223.444 MeV [57.431 MeV] (A_Sm:265)
144Sm62 + 11 D* --> 93Nb41 + 73Ge32 + 221.027 MeV [55.014 MeV] (A_Sm:266)
144Sm62 + 11 D* --> 95Mo42 + 71Ga31 + 220.369 MeV [54.356 MeV] (A_Sm:267)
144Sm62 + 11 D* --> 97Mo42 + 69Ga31 + 219.389 MeV [53.376 MeV] (A_Sm:268)
144Sm62 + 11 D* --> 101Ru44 + 65Cu29 + 217.734 MeV [51.722 MeV] (A_Sm:269)
144Sm62 + 11 D* --> 109Ag47 + 57Fe26 + 211.424 MeV [45.411 MeV] (A_Sm:270)
144Sm62 + 11 D* --> 111Cd48 + 55Mn25 + 209.489 MeV [43.476 MeV] (A_Sm:271)
144Sm62 + 11 D* --> 113In49 + 53Cr24 + 207.175 MeV [41.163 MeV] (A_Sm:272)
144Sm62 + 11 D* --> 115Sn50 + 51V23 + 204.758 MeV [38.746 MeV] (A_Sm:273)
144Sm62 + 11 D* --> 116Sn50 + 50V23 + 203.271 MeV [37.258 MeV] (A_Sm:274)
144Sm62 + 11 D* --> 126Xe54 + 40K19 + 185.225 MeV [19.212 MeV] (A_Sm:275)

144Sm62 + 12 D* --> 84Kr36 + 84Sr38 + 238.732 MeV [55.843 MeV] (A_Sm:276)
144Sm62 + 12 D* --> 84Sr38 + 84Kr36 + 238.732 MeV [55.843 MeV] (A_Sm:277)
144Sm62 + 12 D* --> 86Sr38 + 82Kr36 + 240.770 MeV [57.881 MeV] (A_Sm:278)
144Sm62 + 12 D* --> 88Sr38 + 80Kr36 + 241.471 MeV [58.582 MeV] (A_Sm:279)

144Sm62 + 12 D* --> 89Y39 + 79Br35 + 239.427 MeV [56.538 MeV] (A_Sm:280)
144Sm62 + 12 D* --> 90Zr40 + 78Se34 + 241.450 MeV [58.561 MeV] (A_Sm:281)
144Sm62 + 12 D* --> 91Zr40 + 77Se34 + 238.147 MeV [55.258 MeV] (A_Sm:282)
144Sm62 + 12 D* --> 92Zr40 + 76Se34 + 239.363 MeV [56.474 MeV] (A_Sm:283)
144Sm62 + 12 D* --> 94Zr40 + 74Se34 + 235.136 MeV [52.248 MeV] (A_Sm:284)
144Sm62 + 12 D* --> 93Nb41 + 75As33 + 235.897 MeV [53.009 MeV] (A_Sm:285)
144Sm62 + 12 D* --> 92Mo42 + 76Ge32 + 235.675 MeV [52.786 MeV] (A_Sm:286)
144Sm62 + 12 D* --> 94Mo42 + 74Ge32 + 237.489 MeV [54.600 MeV] (A_Sm:287)
144Sm62 + 12 D* --> 95Mo42 + 73Ge32 + 234.662 MeV [51.773 MeV] (A_Sm:288)
144Sm62 + 12 D* --> 96Mo42 + 72Ge32 + 237.033 MeV [54.144 MeV] (A_Sm:289)
144Sm62 + 12 D* --> 98Mo42 + 70Ge32 + 234.332 MeV [51.443 MeV] (A_Sm:290)
144Sm62 + 12 D* --> 98Ru44 + 70Zn30 + 233.446 MeV [50.557 MeV] (A_Sm:291)
144Sm62 + 12 D* --> 100Ru44 + 68Zn30 + 234.883 MeV [51.994 MeV] (A_Sm:292)
144Sm62 + 12 D* --> 101Ru44 + 67Zn30 + 231.487 MeV [48.598 MeV] (A_Sm:293)
144Sm62 + 12 D* --> 102Ru44 + 66Zn30 + 233.654 MeV [50.765 MeV] (A_Sm:294)
144Sm62 + 12 D* --> 104Ru44 + 64Zn30 + 229.749 MeV [46.860 MeV] (A_Sm:295)
144Sm62 + 12 D* --> 103Rh45 + 65Cu29 + 230.943 MeV [48.054 MeV] (A_Sm:296)
144Sm62 + 12 D* --> 104Pd46 + 64Ni28 + 232.146 MeV [49.257 MeV] (A_Sm:297)
144Sm62 + 12 D* --> 106Pd46 + 62Ni28 + 232.305 MeV [49.417 MeV] (A_Sm:298)
144Sm62 + 12 D* --> 108Pd46 + 60Ni28 + 229.653 MeV [46.764 MeV] (A_Sm:299)
144Sm62 + 12 D* --> 110Pd46 + 58Ni28 + 224.234 MeV [41.345 MeV] (A_Sm:300)
144Sm62 + 12 D* --> 109Ag47 + 59Co27 + 226.608 MeV [43.719 MeV] (A_Sm:301)
144Sm62 + 12 D* --> 110Cd48 + 58Fe26 + 228.163 MeV [45.274 MeV] (A_Sm:302)
144Sm62 + 12 D* --> 111Cd48 + 57Fe26 + 225.094 MeV [42.206 MeV] (A_Sm:303)
144Sm62 + 12 D* --> 112Cd48 + 56Fe26 + 226.843 MeV [43.954 MeV] (A_Sm:304)
144Sm62 + 12 D* --> 114Cd48 + 54Fe26 + 221.930 MeV [39.041 MeV] (A_Sm:305)
144Sm62 + 12 D* --> 113In49 + 55Mn25 + 222.737 MeV [39.848 MeV] (A_Sm:306)
144Sm62 + 12 D* --> 114Sn50 + 54Cr24 + 223.150 MeV [40.261 MeV] (A_Sm:307)
144Sm62 + 12 D* --> 115Sn50 + 53Cr24 + 220.977 MeV [38.089 MeV] (A_Sm:308)
144Sm62 + 12 D* --> 116Sn50 + 52Cr24 + 222.602 MeV [39.713 MeV] (A_Sm:309)
144Sm62 + 12 D* --> 118Sn50 + 50Cr24 + 217.572 MeV [34.684 MeV] (A_Sm:310)
144Sm62 + 12 D* --> 120Te52 + 48Ti22 + 213.549 MeV [30.660 MeV] (A_Sm:311)
144Sm62 + 12 D* --> 122Te52 + 46Ti22 + 210.094 MeV [27.205 MeV] (A_Sm:312)
144Sm62 + 12 D* --> 124Xe54 + 44Ca20 + 204.785 MeV [21.897 MeV] (A_Sm:313)
144Sm62 + 12 D* --> 126Xe54 + 42Ca20 + 203.372 MeV [20.484 MeV] (A_Sm:314)
144Sm62 + 12 D* --> 128Xe54 + 40Ca20 + 200.363 MeV [17.474 MeV] (A_Sm:315)
144Sm62 + 12 D* --> 130Ba56 + 38Ar18 + 197.633 MeV [14.744 MeV] (A_Sm:316)
144Sm62 + 12 D* --> 132Ba56 + 36Ar18 + 194.323 MeV [11.434 MeV] (A_Sm:317)
144Sm62 + 12 D* --> 136Ce58 + 32S16 + 188.141 MeV [5.252 MeV] (A_Sm:318)
144Sm62 + 12 D* --> 144Sm62 + 24Mg12 + 171.562 MeV [-11.326 MeV] (A_Sm:319)

147Sm62 + D* --> 122Sn50 + 27Al13 + 41.006 MeV [27.534 MeV] (A_Sm:320)
147Sm62 + D* --> 123Sb51 + 26Mg12 + 39.302 MeV [25.830 MeV] (A_Sm:321)
147Sm62 + D* --> 126Te52 + 23Na11 + 33.458 MeV [19.986 MeV] (A_Sm:322)
147Sm62 + D* --> 127I53 + 22Ne10 + 30.871 MeV [17.399 MeV] (A_Sm:323)
147Sm62 + D* --> 130Xe54 + 19F9 + 25.233 MeV [11.760 MeV] (A_Sm:324)
147Sm62 + D* --> 133Cs55 + 16O8 + 26.672 MeV [13.199 MeV] (A_Sm:325)
147Sm62 + D* --> 134Ba56 + 15N7 + 22.712 MeV [9.240 MeV] (A_Sm:326)
147Sm62 + D* --> 135Ba56 + 14N7 + 18.851 MeV [5.378 MeV] (A_Sm:327)
147Sm62 + D* --> 138Ce58 + 11B5 + 12.764 MeV [-0.708 MeV] (A_Sm:328)
147Sm62 + D* --> 142Nd60 + 7Li3 + 4.911 MeV [-8.562 MeV] (A_Sm:329)
147Sm62 + D* --> 143Nd60 + 6Li3 + 3.784 MeV [-9.688 MeV] (A_Sm:330)
147Sm62 + D* --> 148Sm62 + 1H1 + 5.917 MeV [-7.556 MeV] (A_Sm:331)

147Sm62 + 2 D* --> 122Sn50 + 29Si14 + 58.840 MeV [31.582 MeV] (A_Sm:332)
147Sm62 + 2 D* --> 125Te52 + 26Mg12 + 52.236 MeV [24.978 MeV] (A_Sm:333)
147Sm62 + 2 D* --> 126Te52 + 25Mg12 + 50.257 MeV [22.999 MeV] (A_Sm:334)
147Sm62 + 2 D* --> 129Xe54 + 22Ne10 + 43.721 MeV [16.463 MeV] (A_Sm:335)
147Sm62 + 2 D* --> 130Xe54 + 21Ne10 + 42.613 MeV [15.355 MeV] (A_Sm:336)
147Sm62 + 2 D* --> 131Xe54 + 20Ne10 + 42.457 MeV [15.198 MeV] (A_Sm:337)
147Sm62 + 2 D* --> 134Ba56 + 17O8 + 36.758 MeV [9.500 MeV] (A_Sm:338)
147Sm62 + 2 D* --> 135Ba56 + 16O8 + 39.587 MeV [12.329 MeV] (A_Sm:339)
147Sm62 + 2 D* --> 138Ce58 + 13C6 + 31.443 MeV [4.185 MeV] (A_Sm:340)
147Sm62 + 2 D* --> 141Pr59 + 10B5 + 20.970 MeV [-6.289 MeV] (A_Sm:341)
147Sm62 + 2 D* --> 142Nd60 + 9Be4 + 21.607 MeV [-5.651 MeV] (A_Sm:342)
147Sm62 + 2 D* --> 147Sm62 + 4He2 + 23.847 MeV [-3.412 MeV] (A_Sm:343)
147Sm62 + 2 D* --> 148Sm62 + 3He2 + 11.410 MeV [-15.848 MeV] (A_Sm:344)

147Sm62 + 3 D* --> 82Se34 + 71Ga31 + 107.869 MeV [66.515 MeV] (A_Sm:345)
147Sm62 + 3 D* --> 116Cd48 + 37Cl17 + 80.616 MeV [39.261 MeV] (A_Sm:346)
147Sm62 + 3 D* --> 122Sn50 + 31P15 + 74.522 MeV [33.167 MeV] (A_Sm:347)
147Sm62 + 3 D* --> 123Sb51 + 30Si14 + 73.792 MeV [32.438 MeV] (A_Sm:348)
147Sm62 + 3 D* --> 126Te52 + 27Al13 + 67.396 MeV [26.042 MeV] (A_Sm:349)
147Sm62 + 3 D* --> 127I53 + 26Mg12 + 65.333 MeV [23.978 MeV] (A_Sm:350)
147Sm62 + 3 D* --> 130Xe54 + 23Na11 + 59.547 MeV [18.192 MeV] (A_Sm:351)
147Sm62 + 3 D* --> 133Cs55 + 20Ne10 + 55.248 MeV [13.893 MeV] (A_Sm:352)
147Sm62 + 3 D* --> 134Ba56 + 19F9 + 50.572 MeV [9.218 MeV] (A_Sm:353)
147Sm62 + 3 D* --> 138Ce58 + 15N7 + 47.602 MeV [6.248 MeV] (A_Sm:354)
147Sm62 + 3 D* --> 141Pr59 + 12C6 + 46.156 MeV [4.801 MeV] (A_Sm:355)
147Sm62 + 3 D* --> 142Nd60 + 11B5 + 37.422 MeV [-3.932 MeV] (A_Sm:356)
147Sm62 + 3 D* --> 143Nd60 + 10B5 + 32.092 MeV [-9.263 MeV] (A_Sm:357)
147Sm62 + 3 D* --> 147Sm62 + 6Li3 + 25.320 MeV [-16.034 MeV] (A_Sm:358)
147Sm62 + 3 D* --> 152Gd64 + 1H1 + 27.560 MeV [-13.794 MeV] (A_Sm:359)

147Sm62 + 4 D* --> 82Se34 + 73Ge32 + 122.162 MeV [66.403 MeV] (A_Sm:360)
147Sm62 + 4 D* --> 119Sn50 + 36S16 + 94.003 MeV [38.244 MeV] (A_Sm:361)
147Sm62 + 4 D* --> 122Sn50 + 33S16 + 89.803 MeV [34.044 MeV] (A_Sm:362)
147Sm62 + 4 D* --> 125Te52 + 30Si14 + 86.726 MeV [30.967 MeV] (A_Sm:363)
147Sm62 + 4 D* --> 126Te52 + 29Si14 + 85.230 MeV [29.471 MeV] (A_Sm:364)
147Sm62 + 4 D* --> 129Xe54 + 26Mg12 + 78.183 MeV [22.424 MeV] (A_Sm:365)
147Sm62 + 4 D* --> 130Xe54 + 25Mg12 + 76.345 MeV [20.586 MeV] (A_Sm:366)
147Sm62 + 4 D* --> 131Xe54 + 24Mg12 + 75.620 MeV [19.861 MeV] (A_Sm:367)
147Sm62 + 4 D* --> 134Ba56 + 21Ne10 + 67.952 MeV [12.193 MeV] (A_Sm:368)
147Sm62 + 4 D* --> 135Ba56 + 20Ne10 + 68.163 MeV [12.404 MeV] (A_Sm:369)
147Sm62 + 4 D* --> 138Ce58 + 17O8 + 61.648 MeV [5.889 MeV] (A_Sm:370)
147Sm62 + 4 D* --> 141Pr59 + 14N7 + 56.428 MeV [00.669 MeV] (A_Sm:371)
147Sm62 + 4 D* --> 142Nd60 + 13C6 + 56.101 MeV [00.342 MeV] (A_Sm:372)
147Sm62 + 4 D* --> 143Nd60 + 12C6 + 57.278 MeV [1.519 MeV] (A_Sm:373)
147Sm62 + 4 D* --> 152Gd64 + 3He2 + 33.054 MeV [-22.705 MeV] (A_Sm:374)

147Sm62 + 5 D* --> 82Se34 + 75As33 + 137.033 MeV [66.564 MeV] (A_Sm:375)
147Sm62 + 5 D* --> 81Br35 + 76Ge32 + 137.594 MeV [67.125 MeV] (A_Sm:376)
147Sm62 + 5 D* --> 86Kr36 + 71Ga31 + 139.812 MeV [69.343 MeV] (A_Sm:377)
147Sm62 + 5 D* --> 87Rb37 + 70Zn30 + 140.569 MeV [70.100 MeV] (A_Sm:378)
147Sm62 + 5 D* --> 109Ag47 + 48Ca20 + 119.343 MeV [48.874 MeV] (A_Sm:379)
147Sm62 + 5 D* --> 116Cd48 + 41K19 + 110.685 MeV [40.216 MeV] (A_Sm:380)
147Sm62 + 5 D* --> 120Sn50 + 37Cl17 + 109.273 MeV [38.804 MeV] (A_Sm:381)
147Sm62 + 5 D* --> 122Sn50 + 35Cl17 + 105.366 MeV [34.897 MeV] (A_Sm:382)

147Sm62 + 5 D* --> 121Sb51 + 36S16 + 106.666 MeV [36.196 MeV] (A_Sm:383)
147Sm62 + 5 D* --> 123Sb51 + 34S16 + 105.562 MeV [35.093 MeV] (A_Sm:384)
147Sm62 + 5 D* --> 126Te52 + 31P15 + 100.912 MeV [30.443 MeV] (A_Sm:385)
147Sm62 + 5 D* --> 127I53 + 30Si14 + 99.823 MeV [29.353 MeV] (A_Sm:386)
147Sm62 + 5 D* --> 130Xe54 + 27Al13 + 93.485 MeV [23.016 MeV] (A_Sm:387)
147Sm62 + 5 D* --> 133Cs55 + 24Mg12 + 88.411 MeV [17.942 MeV] (A_Sm:388)
147Sm62 + 5 D* --> 134Ba56 + 23Na11 + 84.886 MeV [14.417 MeV] (A_Sm:389)
147Sm62 + 5 D* --> 138Ce58 + 19F9 + 75.462 MeV [4.993 MeV] (A_Sm:390)
147Sm62 + 5 D* --> 141Pr59 + 16O8 + 77.164 MeV [6.695 MeV] (A_Sm:391)
147Sm62 + 5 D* --> 142Nd60 + 15N7 + 72.260 MeV [1.791 MeV] (A_Sm:392)
147Sm62 + 5 D* --> 143Nd60 + 14N7 + 67.551 MeV [-2.919 MeV] (A_Sm:393)
147Sm62 + 5 D* --> 147Sm62 + 10B5 + 53.628 MeV [-16.841 MeV] (A_Sm:394)
147Sm62 + 5 D* --> 156Dy66 + 1H1 + 49.647 MeV [-20.822 MeV] (A_Sm:395)

147Sm62 + 6 D* --> 82Se34 + 77Se34 + 151.736 MeV [66.253 MeV] (A_Sm:396)
147Sm62 + 6 D* --> 83Kr36 + 76Ge32 + 152.737 MeV [67.254 MeV] (A_Sm:397)
147Sm62 + 6 D* --> 86Kr36 + 73Ge32 + 154.105 MeV [68.622 MeV] (A_Sm:398)
147Sm62 + 6 D* --> 110Pd46 + 49Ti22 + 136.450 MeV [50.967 MeV] (A_Sm:399)
147Sm62 + 6 D* --> 111Cd48 + 48Ca20 + 133.014 MeV [47.531 MeV] (A_Sm:400)
147Sm62 + 6 D* --> 113Cd48 + 46Ca20 + 131.727 MeV [46.244 MeV] (A_Sm:401)
147Sm62 + 6 D* --> 116Cd48 + 43Ca20 + 126.670 MeV [41.187 MeV] (A_Sm:402)
147Sm62 + 6 D* --> 119Sn50 + 40Ar18 + 124.651 MeV [39.168 MeV] (A_Sm:403)
147Sm62 + 6 D* --> 123Te52 + 36S16 + 119.378 MeV [33.895 MeV] (A_Sm:404)
147Sm62 + 6 D* --> 125Te52 + 34S16 + 118.496 MeV [33.013 MeV] (A_Sm:405)
147Sm62 + 6 D* --> 126Te52 + 33S16 + 116.193 MeV [30.710 MeV] (A_Sm:406)
147Sm62 + 6 D* --> 129Xe54 + 30Si14 + 112.673 MeV [27.190 MeV] (A_Sm:407)
147Sm62 + 6 D* --> 130Xe54 + 29Si14 + 111.319 MeV [25.836 MeV] (A_Sm:408)
147Sm62 + 6 D* --> 131Xe54 + 28Si14 + 109.450 MeV [23.967 MeV] (A_Sm:409)
147Sm62 + 6 D* --> 134Ba56 + 25Mg12 + 101.685 MeV [16.202 MeV] (A_Sm:410)
147Sm62 + 6 D* --> 135Ba56 + 24Mg12 + 101.326 MeV [15.843 MeV] (A_Sm:411)
147Sm62 + 6 D* --> 138Ce58 + 21Ne10 + 92.843 MeV [7.360 MeV] (A_Sm:412)
147Sm62 + 6 D* --> 142Nd60 + 17O8 + 86.306 MeV [00.823 MeV] (A_Sm:413)
147Sm62 + 6 D* --> 143Nd60 + 16O8 + 88.287 MeV [2.804 MeV] (A_Sm:414)
147Sm62 + 6 D* --> 147Sm62 + 12C6 + 78.814 MeV [-6.669 MeV] (A_Sm:415)
147Sm62 + 6 D* --> 156Dy66 + 3He2 + 55.141 MeV [-30.342 MeV] (A_Sm:416)

147Sm62 + 7 D* --> 82Se34 + 79Br35 + 166.341 MeV [65.543 MeV] (A_Sm:417)
147Sm62 + 7 D* --> 81Br35 + 80Se34 + 168.413 MeV [67.615 MeV] (A_Sm:418)
147Sm62 + 7 D* --> 86Kr36 + 75As33 + 168.976 MeV [68.178 MeV] (A_Sm:419)
147Sm62 + 7 D* --> 85Rb37 + 76Ge32 + 168.058 MeV [67.261 MeV] (A_Sm:420)
147Sm62 + 7 D* --> 87Rb37 + 74Ge32 + 170.698 MeV [69.900 MeV] (A_Sm:421)
147Sm62 + 7 D* --> 96Zr40 + 65Cu29 + 165.384 MeV [64.587 MeV] (A_Sm:422)
147Sm62 + 7 D* --> 110Pd46 + 51V23 + 153.229 MeV [52.431 MeV] (A_Sm:423)
147Sm62 + 7 D* --> 116Cd48 + 45Sc21 + 142.465 MeV [41.667 MeV] (A_Sm:424)
147Sm62 + 7 D* --> 113In49 + 48Ca20 + 146.262 MeV [45.464 MeV] (A_Sm:425)
147Sm62 + 7 D* --> 115In49 + 46Ca20 + 145.350 MeV [44.552 MeV] (A_Sm:426)
147Sm62 + 7 D* --> 120Sn50 + 41K19 + 139.342 MeV [38.544 MeV] (A_Sm:427)
147Sm62 + 7 D* --> 122Sn50 + 39K19 + 136.431 MeV [35.633 MeV] (A_Sm:428)
147Sm62 + 7 D* --> 121Sb51 + 40Ar18 + 137.313 MeV [36.515 MeV] (A_Sm:429)
147Sm62 + 7 D* --> 123Sb51 + 38Ar18 + 136.617 MeV [35.819 MeV] (A_Sm:430)
147Sm62 + 7 D* --> 124Te52 + 37Cl17 + 134.964 MeV [34.166 MeV] (A_Sm:431)
147Sm62 + 7 D* --> 126Te52 + 35Cl17 + 131.756 MeV [30.958 MeV] (A_Sm:432)
147Sm62 + 7 D* --> 127I53 + 34S16 + 131.593 MeV [30.795 MeV] (A_Sm:433)
147Sm62 + 7 D* --> 130Xe54 + 31P15 + 127.001 MeV [26.203 MeV] (A_Sm:434)

147Sm62 + 7 D* --> 133Cs55 + 28Si14 + 122.242 MeV [21.444 MeV] (A_Sm:435)
147Sm62 + 7 D* --> 134Ba56 + 27Al13 + 118.825 MeV [18.027 MeV] (A_Sm:436)
147Sm62 + 7 D* --> 138Ce58 + 23Na11 + 109.776 MeV [8.979 MeV] (A_Sm:437)
147Sm62 + 7 D* --> 141Pr59 + 20Ne10 + 105.741 MeV [4.943 MeV] (A_Sm:438)
147Sm62 + 7 D* --> 142Nd60 + 19F9 + 100.121 MeV [-0.677 MeV] (A_Sm:439)
147Sm62 + 7 D* --> 147Sm62 + 14N7 + 89.087 MeV [-11.711 MeV] (A_Sm:440)

147Sm62 + 8 D* --> 83Kr36 + 80Se34 + 183.555 MeV [67.144 MeV] (A_Sm:441)
147Sm62 + 8 D* --> 86Kr36 + 77Se34 + 183.679 MeV [67.267 MeV] (A_Sm:442)
147Sm62 + 8 D* --> 87Sr38 + 76Ge32 + 183.907 MeV [67.496 MeV] (A_Sm:443)
147Sm62 + 8 D* --> 96Zr40 + 67Zn30 + 179.137 MeV [62.725 MeV] (A_Sm:444)
147Sm62 + 8 D* --> 110Pd46 + 53Cr24 + 169.448 MeV [53.036 MeV] (A_Sm:445)
147Sm62 + 8 D* --> 113Cd48 + 50Ti22 + 166.290 MeV [49.878 MeV] (A_Sm:446)
147Sm62 + 8 D* --> 114Cd48 + 49Ti22 + 164.393 MeV [47.982 MeV] (A_Sm:447)
147Sm62 + 8 D* --> 116Cd48 + 47Ti22 + 159.465 MeV [43.054 MeV] (A_Sm:448)
147Sm62 + 8 D* --> 115Sn50 + 48Ca20 + 160.064 MeV [43.652 MeV] (A_Sm:449)
147Sm62 + 8 D* --> 117Sn50 + 46Ca20 + 159.349 MeV [42.937 MeV] (A_Sm:450)
147Sm62 + 8 D* --> 119Sn50 + 44Ca20 + 157.351 MeV [40.939 MeV] (A_Sm:451)
147Sm62 + 8 D* --> 120Sn50 + 43Ca20 + 155.327 MeV [38.916 MeV] (A_Sm:452)
147Sm62 + 8 D* --> 123Sb51 + 40K19 + 148.573 MeV [32.162 MeV] (A_Sm:453)
147Sm62 + 8 D* --> 123Te52 + 40Ar18 + 150.025 MeV [33.614 MeV] (A_Sm:454)
147Sm62 + 8 D* --> 125Te52 + 38Ar18 + 149.550 MeV [33.139 MeV] (A_Sm:455)
147Sm62 + 8 D* --> 129Xe54 + 34S16 + 144.443 MeV [28.031 MeV] (A_Sm:456)
147Sm62 + 8 D* --> 130Xe54 + 33S16 + 142.281 MeV [25.870 MeV] (A_Sm:457)
147Sm62 + 8 D* --> 131Xe54 + 32S16 + 140.245 MeV [23.833 MeV] (A_Sm:458)
147Sm62 + 8 D* --> 134Ba56 + 29Si14 + 136.659 MeV [20.247 MeV] (A_Sm:459)
147Sm62 + 8 D* --> 135Ba56 + 28Si14 + 135.157 MeV [18.746 MeV] (A_Sm:460)
147Sm62 + 8 D* --> 138Ce58 + 25Mg12 + 126.575 MeV [10.164 MeV] (A_Sm:461)
147Sm62 + 8 D* --> 142Nd60 + 21Ne10 + 117.501 MeV [1.089 MeV] (A_Sm:462)
147Sm62 + 8 D* --> 143Nd60 + 20Ne10 + 116.863 MeV [00.452 MeV] (A_Sm:463)
147Sm62 + 8 D* --> 147Sm62 + 16O8 + 109.823 MeV [-6.589 MeV] (A_Sm:464)

147Sm62 + 9 D* --> 84Kr36 + 81Br35 + 199.355 MeV [67.033 MeV] (A_Sm:465)
147Sm62 + 9 D* --> 86Kr36 + 79Br35 + 198.284 MeV [65.962 MeV] (A_Sm:466)
147Sm62 + 9 D* --> 85Rb37 + 80Se34 + 198.877 MeV [66.555 MeV] (A_Sm:467)
147Sm62 + 9 D* --> 87Rb37 + 78Se34 + 200.573 MeV [68.251 MeV] (A_Sm:468)
147Sm62 + 9 D* --> 89Y39 + 76Ge32 + 199.864 MeV [67.542 MeV] (A_Sm:469)
147Sm62 + 9 D* --> 94Zr40 + 71Ga31 + 196.357 MeV [64.035 MeV] (A_Sm:470)
147Sm62 + 9 D* --> 96Zr40 + 69Ga31 + 193.720 MeV [61.398 MeV] (A_Sm:471)
147Sm62 + 9 D* --> 100Mo42 + 65Cu29 + 192.397 MeV [60.075 MeV] (A_Sm:472)
147Sm62 + 9 D* --> 110Pd46 + 55Mn25 + 185.009 MeV [52.687 MeV] (A_Sm:473)
147Sm62 + 9 D* --> 114Cd48 + 51V23 + 181.172 MeV [48.850 MeV] (A_Sm:474)
147Sm62 + 9 D* --> 115In49 + 50Ti22 + 179.913 MeV [47.591 MeV] (A_Sm:475)
147Sm62 + 9 D* --> 120Sn50 + 45Sc21 + 171.122 MeV [38.800 MeV] (A_Sm:476)
147Sm62 + 9 D* --> 121Sb51 + 44Ca20 + 170.013 MeV [37.691 MeV] (A_Sm:477)
147Sm62 + 9 D* --> 123Sb51 + 42Ca20 + 166.721 MeV [34.399 MeV] (A_Sm:478)
147Sm62 + 9 D* --> 124Te52 + 41K19 + 165.033 MeV [32.711 MeV] (A_Sm:479)
147Sm62 + 9 D* --> 125Te52 + 40K19 + 161.507 MeV [29.185 MeV] (A_Sm:480)
147Sm62 + 9 D* --> 126Te52 + 39K19 + 162.821 MeV [30.499 MeV] (A_Sm:481)
147Sm62 + 9 D* --> 127I53 + 38Ar18 + 162.647 MeV [30.325 MeV] (A_Sm:482)
147Sm62 + 9 D* --> 128Xe54 + 37Cl17 + 160.571 MeV [28.249 MeV] (A_Sm:483)
147Sm62 + 9 D* --> 130Xe54 + 35Cl17 + 157.845 MeV [25.523 MeV] (A_Sm:484)
147Sm62 + 9 D* --> 133Cs55 + 32S16 + 153.036 MeV [20.714 MeV] (A_Sm:485)
147Sm62 + 9 D* --> 134Ba56 + 31P15 + 152.340 MeV [20.018 MeV] (A_Sm:486)

147Sm62 + 9 D* --> 138Ce58 + 27Al13 + 143.715 MeV [11.393 MeV] (A_Sm:487)
147Sm62 + 9 D* --> 141Pr59 + 24Mg12 + 138.904 MeV [6.582 MeV] (A_Sm:488)
147Sm62 + 9 D* --> 142Nd60 + 23Na11 + 134.434 MeV [2.113 MeV] (A_Sm:489)

147Sm62 + 10 D* --> 84Kr36 + 83Kr36 + 214.498 MeV [65.971 MeV] (A_Sm:490)
147Sm62 + 10 D* --> 87Sr38 + 80Se34 + 214.725 MeV [66.199 MeV] (A_Sm:491)
147Sm62 + 10 D* --> 91Zr40 + 76Ge32 + 213.189 MeV [64.662 MeV] (A_Sm:492)
147Sm62 + 10 D* --> 94Zr40 + 73Ge32 + 210.650 MeV [62.123 MeV] (A_Sm:493)
147Sm62 + 10 D* --> 97Mo42 + 70Zn30 + 209.190 MeV [60.663 MeV] (A_Sm:494)
147Sm62 + 10 D* --> 100Mo42 + 67Zn30 + 206.150 MeV [57.623 MeV] (A_Sm:495)
147Sm62 + 10 D* --> 110Pd46 + 57Fe26 + 200.614 MeV [52.087 MeV] (A_Sm:496)
147Sm62 + 10 D* --> 113Cd48 + 54Cr24 + 198.067 MeV [49.540 MeV] (A_Sm:497)
147Sm62 + 10 D* --> 114Cd48 + 53Cr24 + 197.391 MeV [48.864 MeV] (A_Sm:498)
147Sm62 + 10 D* --> 117Sn50 + 50Ti22 + 193.912 MeV [45.385 MeV] (A_Sm:499)
147Sm62 + 10 D* --> 118Sn50 + 49Ti22 + 192.300 MeV [43.773 MeV] (A_Sm:500)
147Sm62 + 10 D* --> 119Sn50 + 48Ti22 + 190.641 MeV [42.114 MeV] (A_Sm:501)
147Sm62 + 10 D* --> 120Sn50 + 47Ti22 + 188.123 MeV [39.596 MeV] (A_Sm:502)
147Sm62 + 10 D* --> 123Te52 + 44Ca20 + 182.726 MeV [34.199 MeV] (A_Sm:503)
147Sm62 + 10 D* --> 124Te52 + 43Ca20 + 181.018 MeV [32.491 MeV] (A_Sm:504)
147Sm62 + 10 D* --> 125Te52 + 42Ca20 + 179.654 MeV [31.127 MeV] (A_Sm:505)
147Sm62 + 10 D* --> 127I53 + 40K19 + 174.603 MeV [26.076 MeV] (A_Sm:506)
147Sm62 + 10 D* --> 129Xe54 + 38Ar18 + 175.497 MeV [26.970 MeV] (A_Sm:507)
147Sm62 + 10 D* --> 131Xe54 + 36Ar18 + 170.732 MeV [22.205 MeV] (A_Sm:508)
147Sm62 + 10 D* --> 134Ba56 + 33S16 + 167.621 MeV [19.094 MeV] (A_Sm:509)
147Sm62 + 10 D* --> 135Ba56 + 32S16 + 165.951 MeV [17.424 MeV] (A_Sm:510)
147Sm62 + 10 D* --> 138Ce58 + 29Si14 + 161.549 MeV [13.022 MeV] (A_Sm:511)
147Sm62 + 10 D* --> 142Nd60 + 25Mg12 + 151.233 MeV [2.706 MeV] (A_Sm:512)
147Sm62 + 10 D* --> 143Nd60 + 24Mg12 + 150.026 MeV [1.499 MeV] (A_Sm:513)
147Sm62 + 10 D* --> 147Sm62 + 20Ne10 + 138.399 MeV [-10.128 MeV] (A_Sm:514)

147Sm62 + 11 D* --> 85Rb37 + 84Kr36 + 229.819 MeV [64.795 MeV] (A_Sm:515)
147Sm62 + 11 D* --> 87Rb37 + 82Kr36 + 230.408 MeV [65.384 MeV] (A_Sm:516)
147Sm62 + 11 D* --> 88Sr38 + 81Br35 + 231.117 MeV [66.093 MeV] (A_Sm:517)
147Sm62 + 11 D* --> 89Y39 + 80Se34 + 230.683 MeV [65.658 MeV] (A_Sm:518)
147Sm62 + 11 D* --> 94Zr40 + 75As33 + 225.520 MeV [60.495 MeV] (A_Sm:519)
147Sm62 + 11 D* --> 93Nb41 + 76Ge32 + 225.642 MeV [60.618 MeV] (A_Sm:520)
147Sm62 + 11 D* --> 98Mo42 + 71Ga31 + 223.473 MeV [58.448 MeV] (A_Sm:521)
147Sm62 + 11 D* --> 100Mo42 + 69Ga31 + 220.733 MeV [55.708 MeV] (A_Sm:522)
147Sm62 + 11 D* --> 104Ru44 + 65Cu29 + 220.573 MeV [55.549 MeV] (A_Sm:523)
147Sm62 + 11 D* --> 110Pd46 + 59Co27 + 215.798 MeV [50.774 MeV] (A_Sm:524)
147Sm62 + 11 D* --> 114Cd48 + 55Mn25 + 212.952 MeV [47.928 MeV] (A_Sm:525)
147Sm62 + 11 D* --> 115In49 + 54Cr24 + 211.690 MeV [46.665 MeV] (A_Sm:526)
147Sm62 + 11 D* --> 118Sn50 + 51V23 + 209.078 MeV [44.054 MeV] (A_Sm:527)
147Sm62 + 11 D* --> 119Sn50 + 50V23 + 204.511 MeV [39.486 MeV] (A_Sm:528)
147Sm62 + 11 D* --> 121Sb51 + 48Ti22 + 203.304 MeV [38.279 MeV] (A_Sm:529)
147Sm62 + 11 D* --> 123Sb51 + 46Ti22 + 198.568 MeV [33.544 MeV] (A_Sm:530)
147Sm62 + 11 D* --> 124Te52 + 45Sc21 + 196.813 MeV [31.789 MeV] (A_Sm:531)
147Sm62 + 11 D* --> 127I53 + 42Ca20 + 192.751 MeV [27.726 MeV] (A_Sm:532)
147Sm62 + 11 D* --> 128Xe54 + 41K19 + 190.640 MeV [25.615 MeV] (A_Sm:533)
147Sm62 + 11 D* --> 129Xe54 + 40K19 + 187.453 MeV [22.429 MeV] (A_Sm:534)
147Sm62 + 11 D* --> 130Xe54 + 39K19 + 188.910 MeV [23.885 MeV] (A_Sm:535)
147Sm62 + 11 D* --> 133Cs55 + 36Ar18 + 183.523 MeV [18.499 MeV] (A_Sm:536)
147Sm62 + 11 D* --> 132Ba56 + 37Cl17 + 185.417 MeV [20.393 MeV] (A_Sm:537)
147Sm62 + 11 D* --> 134Ba56 + 35Cl17 + 183.184 MeV [18.160 MeV] (A_Sm:538)

147Sm62 + 11 D* --> 138Ce58 + 31P15 + 177.230 MeV [12.206 MeV] (A_Sm:539)
147Sm62 + 11 D* --> 141Pr59 + 28Si14 + 172.735 MeV [7.710 MeV] (A_Sm:540)
147Sm62 + 11 D* --> 142Nd60 + 27Al13 + 168.373 MeV [3.348 MeV] (A_Sm:541)

147Sm62 + 12 D* --> 87Sr38 + 84Kr36 + 245.668 MeV [63.855 MeV] (A_Sm:542)
147Sm62 + 12 D* --> 88Sr38 + 83Kr36 + 246.260 MeV [64.447 MeV] (A_Sm:543)
147Sm62 + 12 D* --> 91Zr40 + 80Se34 + 244.007 MeV [62.194 MeV] (A_Sm:544)
147Sm62 + 12 D* --> 94Zr40 + 77Se34 + 240.223 MeV [58.410 MeV] (A_Sm:545)
147Sm62 + 12 D* --> 95Mo42 + 76Ge32 + 239.277 MeV [57.464 MeV] (A_Sm:546)
147Sm62 + 12 D* --> 97Mo42 + 74Ge32 + 239.319 MeV [57.507 MeV] (A_Sm:547)
147Sm62 + 12 D* --> 98Mo42 + 73Ge32 + 237.766 MeV [55.953 MeV] (A_Sm:548)
147Sm62 + 12 D* --> 101Ru44 + 70Zn30 + 235.871 MeV [54.058 MeV] (A_Sm:549)
147Sm62 + 12 D* --> 104Ru44 + 67Zn30 + 234.326 MeV [52.513 MeV] (A_Sm:550)
147Sm62 + 12 D* --> 110Pd46 + 61Ni28 + 230.927 MeV [49.114 MeV] (A_Sm:551)
147Sm62 + 12 D* --> 113Cd48 + 58Fe26 + 229.559 MeV [47.746 MeV] (A_Sm:552)
147Sm62 + 12 D* --> 114Cd48 + 57Fe26 + 228.558 MeV [46.745 MeV] (A_Sm:553)
147Sm62 + 12 D* --> 117Sn50 + 54Cr24 + 225.689 MeV [43.876 MeV] (A_Sm:554)
147Sm62 + 12 D* --> 118Sn50 + 53Cr24 + 225.297 MeV [43.485 MeV] (A_Sm:555)
147Sm62 + 12 D* --> 119Sn50 + 52Cr24 + 223.842 MeV [42.029 MeV] (A_Sm:556)
147Sm62 + 12 D* --> 121Sb51 + 50V23 + 217.173 MeV [35.360 MeV] (A_Sm:557)
147Sm62 + 12 D* --> 122Te52 + 49Ti22 + 217.229 MeV [35.417 MeV] (A_Sm:558)
147Sm62 + 12 D* --> 123Te52 + 48Ti22 + 216.016 MeV [34.203 MeV] (A_Sm:559)
147Sm62 + 12 D* --> 124Te52 + 47Ti22 + 213.814 MeV [32.001 MeV] (A_Sm:560)
147Sm62 + 12 D* --> 125Te52 + 46Ti22 + 211.502 MeV [29.689 MeV] (A_Sm:561)
147Sm62 + 12 D* --> 128Xe54 + 43Ca20 + 206.625 MeV [24.812 MeV] (A_Sm:562)
147Sm62 + 12 D* --> 129Xe54 + 42Ca20 + 205.601 MeV [23.788 MeV] (A_Sm:563)
147Sm62 + 12 D* --> 131Xe54 + 40Ca20 + 201.618 MeV [19.805 MeV] (A_Sm:564)
147Sm62 + 12 D* --> 135Ba56 + 36Ar18 + 196.439 MeV [14.626 MeV] (A_Sm:565)
147Sm62 + 12 D* --> 138Ce58 + 33S16 + 192.511 MeV [10.698 MeV] (A_Sm:566)
147Sm62 + 12 D* --> 142Nd60 + 29Si14 + 186.207 MeV [4.394 MeV] (A_Sm:567)
147Sm62 + 12 D* --> 143Nd60 + 28Si14 + 183.857 MeV [2.044 MeV] (A_Sm:568)
147Sm62 + 12 D* --> 147Sm62 + 24Mg12 + 171.562 MeV [-10.251 MeV] (A_Sm:569)

148Sm62 + D* --> 131Xe54 + 19F9 + 23.696 MeV [10.254 MeV] (A_Sm:570)
148Sm62 + D* --> 133Cs55 + 17O8 + 22.673 MeV [9.231 MeV] (A_Sm:571)
148Sm62 + D* --> 135Ba56 + 15N7 + 21.543 MeV [8.100 MeV] (A_Sm:572)
148Sm62 + D* --> 136Ba56 + 14N7 + 19.817 MeV [6.375 MeV] (A_Sm:573)
148Sm62 + D* --> 138La57 + 12C6 + 20.318 MeV [6.876 MeV] (A_Sm:574)
148Sm62 + D* --> 140Ce58 + 10B5 + 9.826 MeV [-3.616 MeV] (A_Sm:575)
148Sm62 + D* --> 141Pr59 + 9Be4 + 8.467 MeV [-4.976 MeV] (A_Sm:576)
148Sm62 + D* --> 143Nd60 + 7Li3 + 2.893 MeV [-10.550 MeV] (A_Sm:577)
148Sm62 + D* --> 144Nd60 + 6Li3 + 3.460 MeV [-9.983 MeV] (A_Sm:578)
148Sm62 + D* --> 149Sm62 + 1H1 + 3.647 MeV [-9.796 MeV] (A_Sm:579)

148Sm62 + 2 D* --> 76Ge32 + 76Ge32 + 93.355 MeV [66.157 MeV] (A_Sm:580)
148Sm62 + 2 D* --> 82Se34 + 70Zn30 + 94.088 MeV [66.890 MeV] (A_Sm:581)
148Sm62 + 2 D* --> 104Ru44 + 48Ca20 + 79.232 MeV [52.034 MeV] (A_Sm:582)
148Sm62 + 2 D* --> 116Cd48 + 36S16 + 66.313 MeV [39.114 MeV] (A_Sm:583)
148Sm62 + 2 D* --> 122Sn50 + 30Si14 + 61.308 MeV [34.110 MeV] (A_Sm:584)
148Sm62 + 2 D* --> 124Sn50 + 28Si14 + 56.659 MeV [29.461 MeV] (A_Sm:585)
148Sm62 + 2 D* --> 126Te52 + 26Mg12 + 53.208 MeV [26.010 MeV] (A_Sm:586)
148Sm62 + 2 D* --> 128Te52 + 24Mg12 + 49.855 MeV [22.657 MeV] (A_Sm:587)
148Sm62 + 2 D* --> 130Xe54 + 22Ne10 + 44.836 MeV [17.637 MeV] (A_Sm:588)
148Sm62 + 2 D* --> 131Xe54 + 21Ne10 + 41.076 MeV [13.878 MeV] (A_Sm:589)

148Sm62 + 2 D* --> 132Xe54 + 20Ne10 + 43.252 MeV [16.053 MeV] (A_Sm:590)
148Sm62 + 2 D* --> 133Cs55 + 19F9 + 36.488 MeV [9.289 MeV] (A_Sm:591)
148Sm62 + 2 D* --> 134Ba56 + 18O8 + 36.661 MeV [9.462 MeV] (A_Sm:592)
148Sm62 + 2 D* --> 135Ba56 + 17O8 + 35.589 MeV [8.390 MeV] (A_Sm:593)
148Sm62 + 2 D* --> 136Ba56 + 16O8 + 40.553 MeV [13.355 MeV] (A_Sm:594)
148Sm62 + 2 D* --> 138La57 + 14N7 + 30.591 MeV [3.392 MeV] (A_Sm:595)
148Sm62 + 2 D* --> 140Ce58 + 12C6 + 35.013 MeV [7.814 MeV] (A_Sm:596)
148Sm62 + 2 D* --> 141Pr59 + 11B5 + 24.282 MeV [-2.916 MeV] (A_Sm:597)
148Sm62 + 2 D* --> 143Nd60 + 9Be4 + 19.589 MeV [-7.609 MeV] (A_Sm:598)
148Sm62 + 2 D* --> 148Sm62 + 4He2 + 23.847 MeV [-3.352 MeV] (A_Sm:599)
148Sm62 + 2 D* --> 149Sm62 + 3He2 + 9.140 MeV [-18.058 MeV] (A_Sm:600)
148Sm62 + 2 D* --> 151Eu63 + 1H1 + 14.299 MeV [-12.899 MeV] (A_Sm:601)
148Sm62 + 2 D* --> 152Gd64 + 21.643 MeV [-5.555 MeV] (A_Sm:602)

148Sm62 + 3 D* --> 131Xe54 + 23Na11 + 58.010 MeV [16.745 MeV] (A_Sm:603)
148Sm62 + 3 D* --> 133Cs55 + 21Ne10 + 53.868 MeV [12.603 MeV] (A_Sm:604)
148Sm62 + 3 D* --> 135Ba56 + 19F9 + 49.403 MeV [8.138 MeV] (A_Sm:605)
148Sm62 + 3 D* --> 138La57 + 16O8 + 51.327 MeV [10.062 MeV] (A_Sm:606)
148Sm62 + 3 D* --> 140Ce58 + 14N7 + 45.285 MeV [4.020 MeV] (A_Sm:607)
148Sm62 + 3 D* --> 141Pr59 + 13C6 + 42.961 MeV [1.696 MeV] (A_Sm:608)
148Sm62 + 3 D* --> 143Nd60 + 11B5 + 35.405 MeV [-5.860 MeV] (A_Sm:609)
148Sm62 + 3 D* --> 144Nd60 + 10B5 + 31.767 MeV [-9.497 MeV] (A_Sm:610)
148Sm62 + 3 D* --> 147Sm62 + 7Li3 + 24.429 MeV [-16.836 MeV] (A_Sm:611)
148Sm62 + 3 D* --> 148Sm62 + 6Li3 + 25.320 MeV [-15.944 MeV] (A_Sm:612)
148Sm62 + 3 D* --> 151Eu63 + 3He2 + 19.793 MeV [-21.472 MeV] (A_Sm:613)
148Sm62 + 3 D* --> 152Gd64 + 2H1 + 21.643 MeV [-19.621 MeV] (A_Sm:614)

148Sm62 + 4 D* --> 80Se34 + 76Ge32 + 124.174 MeV [68.534 MeV] (A_Sm:615)
148Sm62 + 4 D* --> 82Se34 + 74Ge32 + 124.217 MeV [68.578 MeV] (A_Sm:616)
148Sm62 + 4 D* --> 86Kr36 + 70Zn30 + 126.031 MeV [70.391 MeV] (A_Sm:617)
148Sm62 + 4 D* --> 108Pd46 + 48Ca20 + 106.939 MeV [51.300 MeV] (A_Sm:618)
148Sm62 + 4 D* --> 110Pd46 + 46Ca20 + 104.685 MeV [49.045 MeV] (A_Sm:619)
148Sm62 + 4 D* --> 116Cd48 + 40Ar18 + 96.960 MeV [41.320 MeV] (A_Sm:620)
148Sm62 + 4 D* --> 120Sn50 + 36S16 + 94.970 MeV [39.330 MeV] (A_Sm:621)
148Sm62 + 4 D* --> 122Sn50 + 34S16 + 93.078 MeV [37.439 MeV] (A_Sm:622)
148Sm62 + 4 D* --> 124Sn50 + 32S16 + 87.453 MeV [31.814 MeV] (A_Sm:623)
148Sm62 + 4 D* --> 126Te52 + 30Si14 + 87.698 MeV [32.059 MeV] (A_Sm:624)
148Sm62 + 4 D* --> 128Te52 + 28Si14 + 83.686 MeV [28.046 MeV] (A_Sm:625)
148Sm62 + 4 D* --> 130Xe54 + 26Mg12 + 79.297 MeV [23.657 MeV] (A_Sm:626)
148Sm62 + 4 D* --> 131Xe54 + 25Mg12 + 74.809 MeV [19.169 MeV] (A_Sm:627)
148Sm62 + 4 D* --> 132Xe54 + 24Mg12 + 76.415 MeV [20.775 MeV] (A_Sm:628)
148Sm62 + 4 D* --> 133Cs55 + 23Na11 + 70.802 MeV [15.162 MeV] (A_Sm:629)
148Sm62 + 4 D* --> 134Ba56 + 22Ne10 + 70.175 MeV [14.536 MeV] (A_Sm:630)
148Sm62 + 4 D* --> 135Ba56 + 21Ne10 + 66.783 MeV [11.143 MeV] (A_Sm:631)
148Sm62 + 4 D* --> 136Ba56 + 20Ne10 + 69.130 MeV [13.490 MeV] (A_Sm:632)
148Sm62 + 4 D* --> 138Ce58 + 18O8 + 61.551 MeV [5.911 MeV] (A_Sm:633)
148Sm62 + 4 D* --> 140Ce58 + 16O8 + 66.021 MeV [10.381 MeV] (A_Sm:634)
148Sm62 + 4 D* --> 141Pr59 + 15N7 + 59.120 MeV [3.481 MeV] (A_Sm:635)
148Sm62 + 4 D* --> 143Nd60 + 13C6 + 54.083 MeV [-1.556 MeV] (A_Sm:636)
148Sm62 + 4 D* --> 144Nd60 + 12C6 + 56.954 MeV [1.314 MeV] (A_Sm:637)
148Sm62 + 4 D* --> 147Sm62 + 9Be4 + 41.125 MeV [-14.514 MeV] (A_Sm:638)
148Sm62 + 4 D* --> 152Gd64 + 4He2 + 45.490 MeV [-10.150 MeV] (A_Sm:639)
148Sm62 + 4 D* --> 156Dy66 + 43.731 MeV [-11.909 MeV] (A_Sm:640)

148Sm62 + 5 D* --> 131Xe54 + 27Al13 + 91.948 MeV [21.628 MeV] (A_Sm:641)
148Sm62 + 5 D* --> 133Cs55 + 25Mg12 + 87.600 MeV [17.280 MeV] (A_Sm:642)
148Sm62 + 5 D* --> 135Ba56 + 23Na11 + 83.717 MeV [13.397 MeV] (A_Sm:643)
148Sm62 + 5 D* --> 138La57 + 20Ne10 + 79.903 MeV [9.583 MeV] (A_Sm:644)
148Sm62 + 5 D* --> 141Pr59 + 17O8 + 73.166 MeV [2.846 MeV] (A_Sm:645)
148Sm62 + 5 D* --> 143Nd60 + 15N7 + 70.242 MeV [-0.078 MeV] (A_Sm:646)
148Sm62 + 5 D* --> 144Nd60 + 14N7 + 67.226 MeV [-3.094 MeV] (A_Sm:647)
148Sm62 + 5 D* --> 147Sm62 + 11B5 + 56.941 MeV [-13.380 MeV] (A_Sm:648)
148Sm62 + 5 D* --> 148Sm62 + 10B5 + 53.628 MeV [-16.692 MeV] (A_Sm:649)
148Sm62 + 5 D* --> 152Gd64 + 6Li3 + 46.964 MeV [-23.356 MeV] (A_Sm:650)
148Sm62 + 5 D* --> 156Dy66 + 2H1 + 43.731 MeV [-26.590 MeV] (A_Sm:651)

148Sm62 + 6 D* --> 80Se34 + 80Se34 + 154.992 MeV [69.688 MeV] (A_Sm:652)
148Sm62 + 6 D* --> 82Se34 + 78Se34 + 154.092 MeV [68.788 MeV] (A_Sm:653)
148Sm62 + 6 D* --> 84Kr36 + 76Ge32 + 155.116 MeV [69.812 MeV] (A_Sm:654)
148Sm62 + 6 D* --> 86Kr36 + 74Ge32 + 156.160 MeV [70.856 MeV] (A_Sm:655)
148Sm62 + 6 D* --> 96Zr40 + 64Ni28 + 152.014 MeV [66.710 MeV] (A_Sm:656)
148Sm62 + 6 D* --> 110Pd46 + 50Ti22 + 139.248 MeV [53.944 MeV] (A_Sm:657)
148Sm62 + 6 D* --> 112Cd48 + 48Ca20 + 134.267 MeV [48.962 MeV] (A_Sm:658)
148Sm62 + 6 D* --> 114Cd48 + 46Ca20 + 132.628 MeV [47.324 MeV] (A_Sm:659)
148Sm62 + 6 D* --> 116Cd48 + 44Ca20 + 129.660 MeV [44.356 MeV] (A_Sm:660)
148Sm62 + 6 D* --> 120Sn50 + 40Ar18 + 125.617 MeV [40.313 MeV] (A_Sm:661)
148Sm62 + 6 D* --> 122Sn50 + 38Ar18 + 124.133 MeV [38.828 MeV] (A_Sm:662)
148Sm62 + 6 D* --> 124Sn50 + 36Ar18 + 117.940 MeV [32.636 MeV] (A_Sm:663)
148Sm62 + 6 D* --> 123Sb51 + 37Cl17 + 120.458 MeV [35.153 MeV] (A_Sm:664)
148Sm62 + 6 D* --> 124Te52 + 36S16 + 120.661 MeV [35.356 MeV] (A_Sm:665)
148Sm62 + 6 D* --> 126Te52 + 34S16 + 119.469 MeV [34.164 MeV] (A_Sm:666)
148Sm62 + 6 D* --> 128Te52 + 32S16 + 114.480 MeV [29.175 MeV] (A_Sm:667)
148Sm62 + 6 D* --> 130Xe54 + 30Si14 + 113.787 MeV [28.482 MeV] (A_Sm:668)
148Sm62 + 6 D* --> 131Xe54 + 29Si14 + 109.782 MeV [24.478 MeV] (A_Sm:669)
148Sm62 + 6 D* --> 132Xe54 + 28Si14 + 110.245 MeV [24.941 MeV] (A_Sm:670)
148Sm62 + 6 D* --> 133Cs55 + 27Al13 + 104.740 MeV [19.435 MeV] (A_Sm:671)
148Sm62 + 6 D* --> 134Ba56 + 26Mg12 + 104.637 MeV [19.332 MeV] (A_Sm:672)
148Sm62 + 6 D* --> 135Ba56 + 25Mg12 + 100.516 MeV [15.211 MeV] (A_Sm:673)
148Sm62 + 6 D* --> 136Ba56 + 24Mg12 + 102.293 MeV [16.988 MeV] (A_Sm:674)
148Sm62 + 6 D* --> 138Ce58 + 22Ne10 + 95.065 MeV [9.761 MeV] (A_Sm:675)
148Sm62 + 6 D* --> 140Ce58 + 20Ne10 + 94.597 MeV [9.293 MeV] (A_Sm:676)
148Sm62 + 6 D* --> 141Pr59 + 19F9 + 86.980 MeV [1.676 MeV] (A_Sm:677)
148Sm62 + 6 D* --> 142Nd60 + 18O8 + 86.209 MeV [00.904 MeV] (A_Sm:678)
148Sm62 + 6 D* --> 143Nd60 + 17O8 + 84.288 MeV [-1.016 MeV] (A_Sm:679)
148Sm62 + 6 D* --> 144Nd60 + 16O8 + 87.962 MeV [2.658 MeV] (A_Sm:680)
148Sm62 + 6 D* --> 147Sm62 + 13C6 + 75.619 MeV [-9.685 MeV] (A_Sm:681)
148Sm62 + 6 D* --> 148Sm62 + 12C6 + 78.814 MeV [-6.490 MeV] (A_Sm:682)
148Sm62 + 6 D* --> 156Dy66 + 4He2 + 67.577 MeV [-17.727 MeV] (A_Sm:683)

148Sm62 + 7 D* --> 122Sn50 + 40K19 + 136.089 MeV [35.499 MeV] (A_Sm:684)
148Sm62 + 7 D* --> 125Te52 + 37Cl17 + 133.392 MeV [32.802 MeV] (A_Sm:685)
148Sm62 + 7 D* --> 131Xe54 + 31P15 + 125.464 MeV [24.874 MeV] (A_Sm:686)
148Sm62 + 7 D* --> 133Cs55 + 29Si14 + 122.574 MeV [21.984 MeV] (A_Sm:687)
148Sm62 + 7 D* --> 135Ba56 + 27Al13 + 117.655 MeV [17.065 MeV] (A_Sm:688)
148Sm62 + 7 D* --> 138La57 + 24Mg12 + 113.066 MeV [12.476 MeV] (A_Sm:689)
148Sm62 + 7 D* --> 141Pr59 + 21Ne10 + 104.361 MeV [3.771 MeV] (A_Sm:690)
148Sm62 + 7 D* --> 143Nd60 + 19F9 + 98.103 MeV [-2.487 MeV] (A_Sm:691)
148Sm62 + 7 D* --> 147Sm62 + 15N7 + 91.779 MeV [-8.811 MeV] (A_Sm:692)

148Sm62 + 7 D* --> 148Sm62 + 14N7 + 89.087 MeV [-11.503 MeV] (A_Sm:693)
148Sm62 + 7 D* --> 152Gd64 + 10B5 + 75.271 MeV [-25.319 MeV] (A_Sm:694)
148Sm62 + 7 D* --> 156Dy66 + 6Li3 + 69.051 MeV [-31.539 MeV] (A_Sm:695)

148Sm62 + 8 D* --> 82Se34 + 82Kr36 + 183.927 MeV [67.753 MeV] (A_Sm:696)
148Sm62 + 8 D* --> 82Kr36 + 82Se34 + 183.927 MeV [67.753 MeV] (A_Sm:697)
148Sm62 + 8 D* --> 84Kr36 + 80Se34 + 185.935 MeV [69.760 MeV] (A_Sm:698)
148Sm62 + 8 D* --> 86Kr36 + 78Se34 + 186.035 MeV [69.861 MeV] (A_Sm:699)
148Sm62 + 8 D* --> 88Sr38 + 76Ge32 + 186.878 MeV [70.704 MeV] (A_Sm:700)
148Sm62 + 8 D* --> 94Zr40 + 70Zn30 + 182.575 MeV [66.401 MeV] (A_Sm:701)
148Sm62 + 8 D* --> 96Zr40 + 68Zn30 + 181.194 MeV [65.019 MeV] (A_Sm:702)
148Sm62 + 8 D* --> 100Mo42 + 64Ni28 + 179.027 MeV [62.853 MeV] (A_Sm:703)
148Sm62 + 8 D* --> 110Pd46 + 54Cr24 + 171.025 MeV [54.851 MeV] (A_Sm:704)
148Sm62 + 8 D* --> 114Cd48 + 50Ti22 + 167.191 MeV [51.017 MeV] (A_Sm:705)
148Sm62 + 8 D* --> 116Cd48 + 48Ti22 + 162.951 MeV [46.776 MeV] (A_Sm:706)
148Sm62 + 8 D* --> 116Sn50 + 48Ca20 + 161.486 MeV [45.311 MeV] (A_Sm:707)
148Sm62 + 8 D* --> 118Sn50 + 46Ca20 + 160.535 MeV [44.360 MeV] (A_Sm:708)
148Sm62 + 8 D* --> 120Sn50 + 44Ca20 + 158.317 MeV [42.143 MeV] (A_Sm:709)
148Sm62 + 8 D* --> 122Sn50 + 42Ca20 + 154.237 MeV [38.062 MeV] (A_Sm:710)
148Sm62 + 8 D* --> 124Sn50 + 40Ca20 + 148.827 MeV [32.652 MeV] (A_Sm:711)
148Sm62 + 8 D* --> 123Sb51 + 41K19 + 150.527 MeV [34.352 MeV] (A_Sm:712)
148Sm62 + 8 D* --> 124Te52 + 40Ar18 + 151.308 MeV [35.134 MeV] (A_Sm:713)
148Sm62 + 8 D* --> 126Te52 + 38Ar18 + 150.523 MeV [34.348 MeV] (A_Sm:714)
148Sm62 + 8 D* --> 128Te52 + 36Ar18 + 144.967 MeV [28.793 MeV] (A_Sm:715)
148Sm62 + 8 D* --> 127I53 + 37Cl17 + 146.488 MeV [30.314 MeV] (A_Sm:716)
148Sm62 + 8 D* --> 128Xe54 + 36S16 + 146.268 MeV [30.093 MeV] (A_Sm:717)
148Sm62 + 8 D* --> 130Xe54 + 34S16 + 145.557 MeV [29.383 MeV] (A_Sm:718)
148Sm62 + 8 D* --> 131Xe54 + 33S16 + 140.745 MeV [24.570 MeV] (A_Sm:719)
148Sm62 + 8 D* --> 132Xe54 + 32S16 + 141.040 MeV [24.865 MeV] (A_Sm:720)
148Sm62 + 8 D* --> 133Cs55 + 31P15 + 138.255 MeV [22.081 MeV] (A_Sm:721)
148Sm62 + 8 D* --> 134Ba56 + 30Si14 + 139.126 MeV [22.952 MeV] (A_Sm:722)
148Sm62 + 8 D* --> 135Ba56 + 29Si14 + 135.489 MeV [19.315 MeV] (A_Sm:723)
148Sm62 + 8 D* --> 136Ba56 + 28Si14 + 136.123 MeV [19.949 MeV] (A_Sm:724)
148Sm62 + 8 D* --> 138Ce58 + 26Mg12 + 129.527 MeV [13.352 MeV] (A_Sm:725)
148Sm62 + 8 D* --> 140Ce58 + 24Mg12 + 127.760 MeV [11.586 MeV] (A_Sm:726)
148Sm62 + 8 D* --> 141Pr59 + 23Na11 + 121.294 MeV [5.120 MeV] (A_Sm:727)
148Sm62 + 8 D* --> 142Nd60 + 22Ne10 + 119.724 MeV [3.549 MeV] (A_Sm:728)
148Sm62 + 8 D* --> 143Nd60 + 21Ne10 + 115.483 MeV [-0.692 MeV] (A_Sm:729)
148Sm62 + 8 D* --> 144Nd60 + 20Ne10 + 116.539 MeV [00.364 MeV] (A_Sm:730)
148Sm62 + 8 D* --> 147Sm62 + 17O8 + 105.824 MeV [-10.350 MeV] (A_Sm:731)
148Sm62 + 8 D* --> 148Sm62 + 16O8 + 109.823 MeV [-6.352 MeV] (A_Sm:732)
148Sm62 + 8 D* --> 152Gd64 + 12C6 + 100.458 MeV [-15.717 MeV] (A_Sm:733)

148Sm62 + 9 D* --> 116Cd48 + 50V23 + 176.820 MeV [44.765 MeV] (A_Sm:734)
148Sm62 + 9 D* --> 123Sb51 + 43Ca20 + 166.512 MeV [34.456 MeV] (A_Sm:735)
148Sm62 + 9 D* --> 125Te52 + 41K19 + 163.461 MeV [31.405 MeV] (A_Sm:736)
148Sm62 + 9 D* --> 126Te52 + 40K19 + 162.479 MeV [30.423 MeV] (A_Sm:737)
148Sm62 + 9 D* --> 129Xe54 + 37Cl17 + 159.338 MeV [27.283 MeV] (A_Sm:738)
148Sm62 + 9 D* --> 131Xe54 + 35Cl17 + 156.308 MeV [24.252 MeV] (A_Sm:739)
148Sm62 + 9 D* --> 133Cs55 + 33S16 + 153.536 MeV [21.481 MeV] (A_Sm:740)
148Sm62 + 9 D* --> 135Ba56 + 31P15 + 151.171 MeV [19.115 MeV] (A_Sm:741)
148Sm62 + 9 D* --> 138La57 + 28Si14 + 146.897 MeV [14.841 MeV] (A_Sm:742)
148Sm62 + 9 D* --> 141Pr59 + 25Mg12 + 138.093 MeV [6.037 MeV] (A_Sm:743)
148Sm62 + 9 D* --> 143Nd60 + 23Na11 + 132.417 MeV [00.361 MeV] (A_Sm:744)

148Sm62 + 9 D* --> 147Sm62 + 19F9 + 119.639 MeV [-12.417 MeV] (A_Sm:745)
148Sm62 + 9 D* --> 152Gd64 + 14N7 + 110.730 MeV [-21.326 MeV] (A_Sm:746)
148Sm62 + 9 D* --> 156Dy66 + 10B5 + 97.358 MeV [-34.697 MeV] (A_Sm:747)

148Sm62 + 10 D* --> 84Kr36 + 84Kr36 + 216.877 MeV [68.645 MeV] (A_Sm:748)
148Sm62 + 10 D* --> 86Kr36 + 82Kr36 + 215.870 MeV [67.638 MeV] (A_Sm:749)
148Sm62 + 10 D* --> 87Rb37 + 81Br35 + 214.588 MeV [66.356 MeV] (A_Sm:750)
148Sm62 + 10 D* --> 86Sr38 + 82Se34 + 214.133 MeV [65.901 MeV] (A_Sm:751)
148Sm62 + 10 D* --> 88Sr38 + 80Se34 + 217.697 MeV [69.465 MeV] (A_Sm:752)
148Sm62 + 10 D* --> 92Zr40 + 76Ge32 + 213.682 MeV [65.450 MeV] (A_Sm:753)
148Sm62 + 10 D* --> 94Zr40 + 74Ge32 + 212.704 MeV [64.473 MeV] (A_Sm:754)
148Sm62 + 10 D* --> 96Zr40 + 72Ge32 + 210.044 MeV [61.812 MeV] (A_Sm:755)
148Sm62 + 10 D* --> 98Mo42 + 70Zn30 + 209.691 MeV [61.460 MeV] (A_Sm:756)
148Sm62 + 10 D* --> 100Mo42 + 68Zn30 + 208.207 MeV [59.975 MeV] (A_Sm:757)
148Sm62 + 10 D* --> 104Ru44 + 64Ni28 + 207.203 MeV [58.972 MeV] (A_Sm:758)
148Sm62 + 10 D* --> 110Pd46 + 58Fe26 + 202.518 MeV [54.286 MeV] (A_Sm:759)
148Sm62 + 10 D* --> 114Cd48 + 54Cr24 + 198.969 MeV [50.737 MeV] (A_Sm:760)
148Sm62 + 10 D* --> 116Cd48 + 52Cr24 + 196.151 MeV [47.920 MeV] (A_Sm:761)
148Sm62 + 10 D* --> 118Sn50 + 50Ti22 + 195.098 MeV [46.866 MeV] (A_Sm:762)
148Sm62 + 10 D* --> 119Sn50 + 49Ti22 + 190.642 MeV [42.411 MeV] (A_Sm:763)
148Sm62 + 10 D* --> 120Sn50 + 48Ti22 + 191.608 MeV [43.376 MeV] (A_Sm:764)
148Sm62 + 10 D* --> 122Sn50 + 46Ti22 + 186.084 MeV [37.853 MeV] (A_Sm:765)
148Sm62 + 10 D* --> 123Sb51 + 45Sc21 + 182.307 MeV [34.075 MeV] (A_Sm:766)
148Sm62 + 10 D* --> 120Te52 + 48Ca20 + 185.634 MeV [37.402 MeV] (A_Sm:767)
148Sm62 + 10 D* --> 122Te52 + 46Ca20 + 185.464 MeV [37.232 MeV] (A_Sm:768)
148Sm62 + 10 D* --> 124Te52 + 44Ca20 + 184.008 MeV [35.776 MeV] (A_Sm:769)
148Sm62 + 10 D* --> 125Te52 + 43Ca20 + 179.446 MeV [31.214 MeV] (A_Sm:770)
148Sm62 + 10 D* --> 126Te52 + 42Ca20 + 180.627 MeV [32.395 MeV] (A_Sm:771)
148Sm62 + 10 D* --> 128Te52 + 40Ca20 + 175.853 MeV [27.622 MeV] (A_Sm:772)
148Sm62 + 10 D* --> 127I53 + 41K19 + 176.557 MeV [28.326 MeV] (A_Sm:773)
148Sm62 + 10 D* --> 128Xe54 + 40Ar18 + 176.915 MeV [28.683 MeV] (A_Sm:774)
148Sm62 + 10 D* --> 130Xe54 + 38Ar18 + 176.611 MeV [28.380 MeV] (A_Sm:775)
148Sm62 + 10 D* --> 132Xe54 + 36Ar18 + 171.527 MeV [23.295 MeV] (A_Sm:776)
148Sm62 + 10 D* --> 133Cs55 + 35Cl17 + 169.100 MeV [20.868 MeV] (A_Sm:777)
148Sm62 + 10 D* --> 132Ba56 + 36S16 + 171.114 MeV [22.882 MeV] (A_Sm:778)
148Sm62 + 10 D* --> 134Ba56 + 34S16 + 170.897 MeV [22.665 MeV] (A_Sm:779)
148Sm62 + 10 D* --> 135Ba56 + 33S16 + 166.452 MeV [18.220 MeV] (A_Sm:780)
148Sm62 + 10 D* --> 136Ba56 + 32S16 + 166.918 MeV [18.686 MeV] (A_Sm:781)
148Sm62 + 10 D* --> 138Ce58 + 30Si14 + 164.017 MeV [15.785 MeV] (A_Sm:782)
148Sm62 + 10 D* --> 140Ce58 + 28Si14 + 161.591 MeV [13.359 MeV] (A_Sm:783)
148Sm62 + 10 D* --> 141Pr59 + 27Al13 + 155.233 MeV [7.001 MeV] (A_Sm:784)
148Sm62 + 10 D* --> 142Nd60 + 26Mg12 + 154.185 MeV [5.953 MeV] (A_Sm:785)
148Sm62 + 10 D* --> 143Nd60 + 25Mg12 + 149.215 MeV [00.984 MeV] (A_Sm:786)
148Sm62 + 10 D* --> 144Nd60 + 24Mg12 + 149.702 MeV [1.470 MeV] (A_Sm:787)
148Sm62 + 10 D* --> 147Sm62 + 21Ne10 + 137.019 MeV [-11.213 MeV] (A_Sm:788)
148Sm62 + 10 D* --> 148Sm62 + 20Ne10 + 138.399 MeV [-9.833 MeV] (A_Sm:789)
148Sm62 + 10 D* --> 152Gd64 + 16O8 + 131.466 MeV [-16.765 MeV] (A_Sm:790)
148Sm62 + 10 D* --> 156Dy66 + 12C6 + 122.545 MeV [-25.687 MeV] (A_Sm:791)

148Sm62 + 11 D* --> 87Rb37 + 83Kr36 + 229.730 MeV [65.030 MeV] (A_Sm:792)
148Sm62 + 11 D* --> 119Sn50 + 51V23 + 207.421 MeV [42.720 MeV] (A_Sm:793)
148Sm62 + 11 D* --> 120Sn50 + 50V23 + 205.477 MeV [40.777 MeV] (A_Sm:794)
148Sm62 + 11 D* --> 121Sb51 + 49Ti22 + 203.305 MeV [38.604 MeV] (A_Sm:795)
148Sm62 + 11 D* --> 123Sb51 + 47Ti22 + 199.307 MeV [34.607 MeV] (A_Sm:796)

148Sm62 + 11 D* --> 125Te52 + 45Sc21 + 195.241 MeV [30.540 MeV] (A_Sm:797)
148Sm62 + 11 D* --> 127I53 + 43Ca20 + 192.543 MeV [27.842 MeV] (A_Sm:798)
148Sm62 + 11 D* --> 129Xe54 + 41K19 + 189.407 MeV [24.707 MeV] (A_Sm:799)
148Sm62 + 11 D* --> 130Xe54 + 40K19 + 188.568 MeV [23.867 MeV] (A_Sm:800)
148Sm62 + 11 D* --> 131Xe54 + 39K19 + 187.373 MeV [22.673 MeV] (A_Sm:801)
148Sm62 + 11 D* --> 135Ba56 + 35Cl17 + 182.015 MeV [17.314 MeV] (A_Sm:802)
148Sm62 + 11 D* --> 138La57 + 32S16 + 177.691 MeV [12.991 MeV] (A_Sm:803)
148Sm62 + 11 D* --> 141Pr59 + 29Si14 + 173.067 MeV [8.366 MeV] (A_Sm:804)
148Sm62 + 11 D* --> 143Nd60 + 27Al13 + 166.355 MeV [1.654 MeV] (A_Sm:805)
148Sm62 + 11 D* --> 147Sm62 + 23Na11 + 153.953 MeV [-10.748 MeV] (A_Sm:806)
148Sm62 + 11 D* --> 156Dy66 + 14N7 + 132.817 MeV [-31.883 MeV] (A_Sm:807)

148Sm62 + 12 D* --> 86Kr36 + 86Sr38 + 246.076 MeV [64.616 MeV] (A_Sm:808)
148Sm62 + 12 D* --> 87Rb37 + 85Rb37 + 245.052 MeV [63.592 MeV] (A_Sm:809)
148Sm62 + 12 D* --> 86Sr38 + 86Kr36 + 246.076 MeV [64.616 MeV] (A_Sm:810)
148Sm62 + 12 D* --> 88Sr38 + 84Kr36 + 248.639 MeV [67.179 MeV] (A_Sm:811)
148Sm62 + 12 D* --> 90Zr40 + 82Se34 + 244.648 MeV [63.188 MeV] (A_Sm:812)
148Sm62 + 12 D* --> 92Zr40 + 80Se34 + 244.500 MeV [63.041 MeV] (A_Sm:813)
148Sm62 + 12 D* --> 94Zr40 + 78Se34 + 242.579 MeV [61.120 MeV] (A_Sm:814)
148Sm62 + 12 D* --> 96Zr40 + 76Se34 + 238.981 MeV [57.522 MeV] (A_Sm:815)
148Sm62 + 12 D* --> 96Mo42 + 76Ge32 + 240.290 MeV [58.830 MeV] (A_Sm:816)
148Sm62 + 12 D* --> 98Mo42 + 74Ge32 + 239.821 MeV [58.361 MeV] (A_Sm:817)
148Sm62 + 12 D* --> 100Mo42 + 72Ge32 + 237.057 MeV [55.597 MeV] (A_Sm:818)
148Sm62 + 12 D* --> 102Ru44 + 70Zn30 + 236.949 MeV [55.489 MeV] (A_Sm:819)
148Sm62 + 12 D* --> 104Ru44 + 68Zn30 + 236.383 MeV [54.923 MeV] (A_Sm:820)
148Sm62 + 12 D* --> 108Pd46 + 64Ni28 + 234.910 MeV [53.450 MeV] (A_Sm:821)
148Sm62 + 12 D* --> 110Pd46 + 62Ni28 + 233.382 MeV [51.922 MeV] (A_Sm:822)
148Sm62 + 12 D* --> 114Cd48 + 58Fe26 + 230.461 MeV [49.001 MeV] (A_Sm:823)
148Sm62 + 12 D* --> 116Cd48 + 56Fe26 + 227.611 MeV [46.151 MeV] (A_Sm:824)
148Sm62 + 12 D* --> 118Sn50 + 54Cr24 + 226.875 MeV [45.415 MeV] (A_Sm:825)
148Sm62 + 12 D* --> 119Sn50 + 53Cr24 + 223.640 MeV [42.180 MeV] (A_Sm:826)
148Sm62 + 12 D* --> 120Sn50 + 52Cr24 + 224.809 MeV [43.349 MeV] (A_Sm:827)
148Sm62 + 12 D* --> 122Sn50 + 50Cr24 + 218.492 MeV [37.032 MeV] (A_Sm:828)
148Sm62 + 12 D* --> 121Sb51 + 51V23 + 220.083 MeV [38.623 MeV] (A_Sm:829)
148Sm62 + 12 D* --> 122Te52 + 50Ti22 + 220.027 MeV [38.567 MeV] (A_Sm:830)
148Sm62 + 12 D* --> 123Te52 + 49Ti22 + 216.017 MeV [34.557 MeV] (A_Sm:831)
148Sm62 + 12 D* --> 124Te52 + 48Ti22 + 217.299 MeV [35.839 MeV] (A_Sm:832)
148Sm62 + 12 D* --> 125Te52 + 47Ti22 + 212.241 MeV [30.781 MeV] (A_Sm:833)
148Sm62 + 12 D* --> 126Te52 + 46Ti22 + 212.474 MeV [31.015 MeV] (A_Sm:834)
148Sm62 + 12 D* --> 127I53 + 45Sc21 + 208.337 MeV [26.878 MeV] (A_Sm:835)
148Sm62 + 12 D* --> 124Xe54 + 48Ca20 + 210.161 MeV [28.701 MeV] (A_Sm:836)
148Sm62 + 12 D* --> 126Xe54 + 46Ca20 + 210.590 MeV [29.130 MeV] (A_Sm:837)
148Sm62 + 12 D* --> 128Xe54 + 44Ca20 + 209.615 MeV [28.155 MeV] (A_Sm:838)
148Sm62 + 12 D* --> 129Xe54 + 43Ca20 + 205.393 MeV [23.933 MeV] (A_Sm:839)
148Sm62 + 12 D* --> 130Xe54 + 42Ca20 + 206.715 MeV [25.255 MeV] (A_Sm:840)
148Sm62 + 12 D* --> 132Xe54 + 40Ca20 + 202.413 MeV [20.953 MeV] (A_Sm:841)
148Sm62 + 12 D* --> 133Cs55 + 39K19 + 200.164 MeV [18.705 MeV] (A_Sm:842)
148Sm62 + 12 D* --> 132Ba56 + 40Ar18 + 201.761 MeV [20.301 MeV] (A_Sm:843)
148Sm62 + 12 D* --> 134Ba56 + 38Ar18 + 201.951 MeV [20.491 MeV] (A_Sm:844)
148Sm62 + 12 D* --> 136Ba56 + 36Ar18 + 197.405 MeV [15.945 MeV] (A_Sm:845)
148Sm62 + 12 D* --> 136Ce58 + 36S16 + 195.419 MeV [13.959 MeV] (A_Sm:846)
148Sm62 + 12 D* --> 138Ce58 + 34S16 + 195.787 MeV [14.327 MeV] (A_Sm:847)
148Sm62 + 12 D* --> 140Ce58 + 32S16 + 192.385 MeV [10.926 MeV] (A_Sm:848)
148Sm62 + 12 D* --> 141Pr59 + 31P15 + 188.748 MeV [7.288 MeV] (A_Sm:849)

148Sm62 + 12 D* --> 142Nd60 + 30Si14 + 188.675 MeV [7.215 MeV] (A_Sm:850)
148Sm62 + 12 D* --> 143Nd60 + 29Si14 + 184.189 MeV [2.729 MeV] (A_Sm:851)
148Sm62 + 12 D* --> 144Nd60 + 28Si14 + 183.532 MeV [2.073 MeV] (A_Sm:852)
148Sm62 + 12 D* --> 147Sm62 + 25Mg12 + 170.751 MeV [-10.708 MeV] (A_Sm:853)
148Sm62 + 12 D* --> 148Sm62 + 24Mg12 + 171.562 MeV [-9.898 MeV] (A_Sm:854)
148Sm62 + 12 D* --> 152Gd64 + 20Ne10 + 160.043 MeV [-21.417 MeV] (A_Sm:855)
148Sm62 + 12 D* --> 156Dy66 + 16O8 + 153.553 MeV [-27.906 MeV] (A_Sm:856)

149Sm62 + D* --> 124Sn50 + 27Al13 + 41.427 MeV [28.014 MeV] (A_Sm:857)
149Sm62 + D* --> 128Te52 + 23Na11 + 34.516 MeV [21.103 MeV] (A_Sm:858)
149Sm62 + D* --> 132Xe54 + 19F9 + 26.762 MeV [13.349 MeV] (A_Sm:859)
149Sm62 + D* --> 133Cs55 + 18O8 + 24.846 MeV [11.434 MeV] (A_Sm:860)
149Sm62 + D* --> 136Ba56 + 15N7 + 24.779 MeV [11.367 MeV] (A_Sm:861)
149Sm62 + D* --> 137Ba56 + 14N7 + 20.852 MeV [7.439 MeV] (A_Sm:862)
149Sm62 + D* --> 138La57 + 13C6 + 19.393 MeV [5.981 MeV] (A_Sm:863)
149Sm62 + D* --> 139La57 + 12C6 + 23.225 MeV [9.812 MeV] (A_Sm:864)
149Sm62 + D* --> 140Ce58 + 11B5 + 15.409 MeV [1.996 MeV] (A_Sm:865)
149Sm62 + D* --> 144Nd60 + 7Li3 + 4.839 MeV [-8.574 MeV] (A_Sm:866)
149Sm62 + D* --> 145Nd60 + 6Li3 + 3.344 MeV [-10.069 MeV] (A_Sm:867)
149Sm62 + D* --> 150Sm62 + 1H1 + 5.762 MeV [-7.651 MeV] (A_Sm:868)
149Sm62 + D* --> 151Eu63 + 10.653 MeV [-2.760 MeV] (A_Sm:869)

149Sm62 + 2 D* --> 124Sn50 + 29Si14 + 59.261 MeV [32.122 MeV] (A_Sm:870)
149Sm62 + 2 D* --> 128Te52 + 25Mg12 + 51.314 MeV [24.176 MeV] (A_Sm:871)
149Sm62 + 2 D* --> 131Xe54 + 22Ne10 + 45.569 MeV [18.431 MeV] (A_Sm:872)
149Sm62 + 2 D* --> 132Xe54 + 21Ne10 + 44.142 MeV [17.003 MeV] (A_Sm:873)
149Sm62 + 2 D* --> 135Ba56 + 18O8 + 37.762 MeV [10.623 MeV] (A_Sm:874)
149Sm62 + 2 D* --> 136Ba56 + 17O8 + 38.825 MeV [11.686 MeV] (A_Sm:875)
149Sm62 + 2 D* --> 137Ba56 + 16O8 + 41.588 MeV [14.449 MeV] (A_Sm:876)
149Sm62 + 2 D* --> 138La57 + 15N7 + 35.553 MeV [8.414 MeV] (A_Sm:877)
149Sm62 + 2 D* --> 139La57 + 14N7 + 33.497 MeV [6.359 MeV] (A_Sm:878)
149Sm62 + 2 D* --> 140Ce58 + 13C6 + 34.088 MeV [6.949 MeV] (A_Sm:879)
149Sm62 + 2 D* --> 144Nd60 + 9Be4 + 21.535 MeV [-5.604 MeV] (A_Sm:880)
149Sm62 + 2 D* --> 149Sm62 + 4He2 + 23.847 MeV [-3.292 MeV] (A_Sm:881)
149Sm62 + 2 D* --> 150Sm62 + 3He2 + 11.256 MeV [-15.883 MeV] (A_Sm:882)
149Sm62 + 2 D* --> 151Eu63 + 2H1 + 10.653 MeV [-16.486 MeV] (A_Sm:883)

149Sm62 + 3 D* --> 124Sn50 + 31P15 + 74.943 MeV [33.767 MeV] (A_Sm:884)
149Sm62 + 3 D* --> 128Te52 + 27Al13 + 68.454 MeV [27.278 MeV] (A_Sm:885)
149Sm62 + 3 D* --> 132Xe54 + 23Na11 + 61.076 MeV [19.900 MeV] (A_Sm:886)
149Sm62 + 3 D* --> 133Cs55 + 22Ne10 + 58.361 MeV [17.185 MeV] (A_Sm:887)
149Sm62 + 3 D* --> 136Ba56 + 19F9 + 52.640 MeV [11.464 MeV] (A_Sm:888)
149Sm62 + 3 D* --> 138La57 + 17O8 + 49.599 MeV [8.423 MeV] (A_Sm:889)
149Sm62 + 3 D* --> 139La57 + 16O8 + 54.234 MeV [13.058 MeV] (A_Sm:890)
149Sm62 + 3 D* --> 140Ce58 + 15N7 + 50.247 MeV [9.071 MeV] (A_Sm:891)
149Sm62 + 3 D* --> 144Nd60 + 11B5 + 37.350 MeV [-3.825 MeV] (A_Sm:892)
149Sm62 + 3 D* --> 145Nd60 + 10B5 + 31.652 MeV [-9.524 MeV] (A_Sm:893)
149Sm62 + 3 D* --> 148Sm62 + 7Li3 + 26.699 MeV [-14.477 MeV] (A_Sm:894)
149Sm62 + 3 D* --> 149Sm62 + 6Li3 + 25.320 MeV [-15.856 MeV] (A_Sm:895)
149Sm62 + 3 D* --> 151Eu63 + 4He2 + 34.499 MeV [-6.676 MeV] (A_Sm:896)
149Sm62 + 3 D* --> 154Gd64 + 1H1 + 28.689 MeV [-12.486 MeV] (A_Sm:897)

149Sm62 + 4 D* --> 124Sn50 + 33S16 + 90.224 MeV [34.702 MeV] (A_Sm:898)
149Sm62 + 4 D* --> 128Te52 + 29Si14 + 86.288 MeV [30.767 MeV] (A_Sm:899)

149Sm62 + 4 D* --> 131Xe54 + 26Mg12 + 80.031 MeV [24.510 MeV] (A_Sm:900)
149Sm62 + 4 D* --> 132Xe54 + 25Mg12 + 77.874 MeV [22.353 MeV] (A_Sm:901)
149Sm62 + 4 D* --> 135Ba56 + 22Ne10 + 71.276 MeV [15.755 MeV] (A_Sm:902)
149Sm62 + 4 D* --> 136Ba56 + 21Ne10 + 70.020 MeV [14.498 MeV] (A_Sm:903)
149Sm62 + 4 D* --> 137Ba56 + 20Ne10 + 70.164 MeV [14.643 MeV] (A_Sm:904)
149Sm62 + 4 D* --> 138La57 + 19F9 + 63.413 MeV [7.892 MeV] (A_Sm:905)
149Sm62 + 4 D* --> 140Ce58 + 17O8 + 64.293 MeV [8.772 MeV] (A_Sm:906)
149Sm62 + 4 D* --> 144Nd60 + 13C6 + 56.029 MeV [00.508 MeV] (A_Sm:907)
149Sm62 + 4 D* --> 145Nd60 + 12C6 + 56.838 MeV [1.317 MeV] (A_Sm:908)
149Sm62 + 4 D* --> 148Sm62 + 9Be4 + 43.395 MeV [-12.126 MeV] (A_Sm:909)
149Sm62 + 4 D* --> 151Eu63 + 6Li3 + 35.973 MeV [-19.548 MeV] (A_Sm:910)
149Sm62 + 4 D* --> 154Gd64 + 3He2 + 34.183 MeV [-21.338 MeV] (A_Sm:911)

149Sm62 + 5 D* --> 122Sn50 + 37Cl17 + 110.244 MeV [40.072 MeV] (A_Sm:912)
149Sm62 + 5 D* --> 124Sn50 + 35Cl17 + 105.787 MeV [35.614 MeV] (A_Sm:913)
149Sm62 + 5 D* --> 123Sb51 + 36S16 + 108.425 MeV [38.252 MeV] (A_Sm:914)
149Sm62 + 5 D* --> 128Te52 + 31P15 + 101.970 MeV [31.797 MeV] (A_Sm:915)
149Sm62 + 5 D* --> 132Xe54 + 27Al13 + 95.014 MeV [24.841 MeV] (A_Sm:916)
149Sm62 + 5 D* --> 133Cs55 + 26Mg12 + 92.822 MeV [22.650 MeV] (A_Sm:917)
149Sm62 + 5 D* --> 136Ba56 + 23Na11 + 86.953 MeV [16.781 MeV] (A_Sm:918)
149Sm62 + 5 D* --> 138La57 + 21Ne10 + 80.793 MeV [10.621 MeV] (A_Sm:919)
149Sm62 + 5 D* --> 139La57 + 20Ne10 + 82.810 MeV [12.637 MeV] (A_Sm:920)
149Sm62 + 5 D* --> 140Ce58 + 19F9 + 78.107 MeV [7.935 MeV] (A_Sm:921)
149Sm62 + 5 D* --> 141Pr59 + 18O8 + 75.339 MeV [5.167 MeV] (A_Sm:922)
149Sm62 + 5 D* --> 144Nd60 + 15N7 + 72.188 MeV [2.016 MeV] (A_Sm:923)
149Sm62 + 5 D* --> 145Nd60 + 14N7 + 67.110 MeV [-3.062 MeV] (A_Sm:924)
149Sm62 + 5 D* --> 148Sm62 + 11B5 + 59.211 MeV [-10.962 MeV] (A_Sm:925)
149Sm62 + 5 D* --> 149Sm62 + 10B5 + 53.628 MeV [-16.545 MeV] (A_Sm:926)
149Sm62 + 5 D* --> 152Gd64 + 7Li3 + 48.343 MeV [-21.830 MeV] (A_Sm:927)
149Sm62 + 5 D* --> 158Dy66 + 1H1 + 51.660 MeV [-18.513 MeV] (A_Sm:928)

149Sm62 + 6 D* --> 113Cd48 + 48Ca20 + 134.936 MeV [49.808 MeV] (A_Sm:929)
149Sm62 + 6 D* --> 125Te52 + 36S16 + 121.359 MeV [36.231 MeV] (A_Sm:930)
149Sm62 + 6 D* --> 128Te52 + 33S16 + 117.250 MeV [32.123 MeV] (A_Sm:931)
149Sm62 + 6 D* --> 131Xe54 + 30Si14 + 114.521 MeV [29.393 MeV] (A_Sm:932)
149Sm62 + 6 D* --> 132Xe54 + 29Si14 + 112.848 MeV [27.720 MeV] (A_Sm:933)
149Sm62 + 6 D* --> 135Ba56 + 26Mg12 + 105.738 MeV [20.610 MeV] (A_Sm:934)
149Sm62 + 6 D* --> 136Ba56 + 25Mg12 + 103.752 MeV [18.625 MeV] (A_Sm:935)
149Sm62 + 6 D* --> 137Ba56 + 24Mg12 + 103.327 MeV [18.200 MeV] (A_Sm:936)
149Sm62 + 6 D* --> 138La57 + 23Na11 + 97.727 MeV [12.599 MeV] (A_Sm:937)
149Sm62 + 6 D* --> 140Ce58 + 21Ne10 + 95.487 MeV [10.360 MeV] (A_Sm:938)
149Sm62 + 6 D* --> 143Nd60 + 18O8 + 86.461 MeV [1.334 MeV] (A_Sm:939)
149Sm62 + 6 D* --> 144Nd60 + 17O8 + 86.234 MeV [1.107 MeV] (A_Sm:940)
149Sm62 + 6 D* --> 145Nd60 + 16O8 + 87.847 MeV [2.719 MeV] (A_Sm:941)
149Sm62 + 6 D* --> 148Sm62 + 13C6 + 77.890 MeV [-7.238 MeV] (A_Sm:942)
149Sm62 + 6 D* --> 149Sm62 + 12C6 + 78.814 MeV [-6.313 MeV] (A_Sm:943)
149Sm62 + 6 D* --> 151Eu63 + 10B5 + 64.281 MeV [-20.847 MeV] (A_Sm:944)
149Sm62 + 6 D* --> 152Gd64 + 9Be4 + 65.039 MeV [-20.089 MeV] (A_Sm:945)
149Sm62 + 6 D* --> 158Dy66 + 3He2 + 57.153 MeV [-27.974 MeV] (A_Sm:946)

149Sm62 + 7 D* --> 82Se34 + 81Br35 + 170.377 MeV [69.993 MeV] (A_Sm:947)
149Sm62 + 7 D* --> 87Rb37 + 76Ge32 + 172.619 MeV [72.235 MeV] (A_Sm:948)
149Sm62 + 7 D* --> 115In49 + 48Ca20 + 148.559 MeV [48.175 MeV] (A_Sm:949)
149Sm62 + 7 D* --> 122Sn50 + 41K19 + 140.313 MeV [39.929 MeV] (A_Sm:950)

149Sm62 + 7 D* --> 124Sn50 + 39K19 + 136.852 MeV [36.468 MeV] (A_Sm:951)
149Sm62 + 7 D* --> 123Sb51 + 40Ar18 + 139.072 MeV [38.688 MeV] (A_Sm:952)
149Sm62 + 7 D* --> 126Te52 + 37Cl17 + 136.634 MeV [36.250 MeV] (A_Sm:953)
149Sm62 + 7 D* --> 128Te52 + 35Cl17 + 132.814 MeV [32.430 MeV] (A_Sm:954)
149Sm62 + 7 D* --> 127I53 + 36S16 + 134.455 MeV [34.072 MeV] (A_Sm:955)
149Sm62 + 7 D* --> 132Xe54 + 31P15 + 128.529 MeV [28.146 MeV] (A_Sm:956)
149Sm62 + 7 D* --> 133Cs55 + 30Si14 + 127.312 MeV [26.928 MeV] (A_Sm:957)
149Sm62 + 7 D* --> 136Ba56 + 27Al13 + 120.892 MeV [20.508 MeV] (A_Sm:958)
149Sm62 + 7 D* --> 138La57 + 25Mg12 + 114.526 MeV [14.142 MeV] (A_Sm:959)
149Sm62 + 7 D* --> 139La57 + 24Mg12 + 115.973 MeV [15.589 MeV] (A_Sm:960)
149Sm62 + 7 D* --> 140Ce58 + 23Na11 + 112.421 MeV [12.037 MeV] (A_Sm:961)
149Sm62 + 7 D* --> 141Pr59 + 22Ne10 + 108.854 MeV [8.470 MeV] (A_Sm:962)
149Sm62 + 7 D* --> 144Nd60 + 19F9 + 100.049 MeV [-0.335 MeV] (A_Sm:963)
149Sm62 + 7 D* --> 148Sm62 + 15N7 + 94.049 MeV [-6.335 MeV] (A_Sm:964)
149Sm62 + 7 D* --> 149Sm62 + 14N7 + 89.087 MeV [-11.297 MeV] (A_Sm:965)
149Sm62 + 7 D* --> 151Eu63 + 12C6 + 89.467 MeV [-10.917 MeV] (A_Sm:966)
149Sm62 + 7 D* --> 152Gd64 + 11B5 + 80.854 MeV [-19.529 MeV] (A_Sm:967)
149Sm62 + 7 D* --> 156Dy66 + 7Li3 + 70.430 MeV [-29.954 MeV] (A_Sm:968)
149Sm62 + 7 D* --> 162Er68 + 1H1 + 73.862 MeV [-26.522 MeV] (A_Sm:969)

149Sm62 + 8 D* --> 83Kr36 + 82Se34 + 185.520 MeV [69.580 MeV] (A_Sm:970)
149Sm62 + 8 D* --> 116Cd48 + 49Ti22 + 165.222 MeV [49.283 MeV] (A_Sm:971)
149Sm62 + 8 D* --> 117Sn50 + 48Ca20 + 162.558 MeV [46.619 MeV] (A_Sm:972)
149Sm62 + 8 D* --> 119Sn50 + 46Ca20 + 161.147 MeV [45.208 MeV] (A_Sm:973)
149Sm62 + 8 D* --> 122Sn50 + 43Ca20 + 156.298 MeV [40.359 MeV] (A_Sm:974)
149Sm62 + 8 D* --> 125Te52 + 40Ar18 + 152.006 MeV [36.067 MeV] (A_Sm:975)
149Sm62 + 8 D* --> 129Xe54 + 36S16 + 147.305 MeV [31.366 MeV] (A_Sm:976)
149Sm62 + 8 D* --> 131Xe54 + 34S16 + 146.291 MeV [30.352 MeV] (A_Sm:977)
149Sm62 + 8 D* --> 132Xe54 + 33S16 + 143.810 MeV [27.871 MeV] (A_Sm:978)
149Sm62 + 8 D* --> 135Ba56 + 30Si14 + 140.227 MeV [24.288 MeV] (A_Sm:979)
149Sm62 + 8 D* --> 136Ba56 + 29Si14 + 138.726 MeV [22.787 MeV] (A_Sm:980)
149Sm62 + 8 D* --> 137Ba56 + 28Si14 + 137.158 MeV [21.219 MeV] (A_Sm:981)
149Sm62 + 8 D* --> 138La57 + 27Al13 + 131.665 MeV [15.726 MeV] (A_Sm:982)
149Sm62 + 8 D* --> 140Ce58 + 25Mg12 + 129.220 MeV [13.281 MeV] (A_Sm:983)
149Sm62 + 8 D* --> 143Nd60 + 22Ne10 + 119.976 MeV [4.037 MeV] (A_Sm:984)
149Sm62 + 8 D* --> 144Nd60 + 21Ne10 + 117.429 MeV [1.490 MeV] (A_Sm:985)
149Sm62 + 8 D* --> 145Nd60 + 20Ne10 + 116.423 MeV [00.484 MeV] (A_Sm:986)
149Sm62 + 8 D* --> 147Sm62 + 18O8 + 107.997 MeV [-7.942 MeV] (A_Sm:987)
149Sm62 + 8 D* --> 148Sm62 + 17O8 + 108.095 MeV [-7.844 MeV] (A_Sm:988)
149Sm62 + 8 D* --> 149Sm62 + 16O8 + 109.823 MeV [-6.116 MeV] (A_Sm:989)
149Sm62 + 8 D* --> 151Eu63 + 14N7 + 99.740 MeV [-16.200 MeV] (A_Sm:990)
149Sm62 + 8 D* --> 152Gd64 + 13C6 + 99.533 MeV [-16.406 MeV] (A_Sm:991)
149Sm62 + 8 D* --> 156Dy66 + 9Be4 + 87.126 MeV [-28.813 MeV] (A_Sm:992)
149Sm62 + 8 D* --> 162Er68 + 3He2 + 79.355 MeV [-36.584 MeV] (A_Sm:993)

149Sm62 + 9 D* --> 86Kr36 + 81Br35 + 202.320 MeV [70.528 MeV] (A_Sm:994)
149Sm62 + 9 D* --> 85Rb37 + 82Se34 + 200.841 MeV [69.049 MeV] (A_Sm:995)
149Sm62 + 9 D* --> 87Rb37 + 80Se34 + 203.437 MeV [71.646 MeV] (A_Sm:996)
149Sm62 + 9 D* --> 96Zr40 + 71Ga31 + 196.663 MeV [64.871 MeV] (A_Sm:997)
149Sm62 + 9 D* --> 116Cd48 + 51V23 + 182.000 MeV [50.209 MeV] (A_Sm:998)
149Sm62 + 9 D* --> 122Sn50 + 45Sc21 + 172.093 MeV [40.302 MeV] (A_Sm:999)
149Sm62 + 9 D* --> 121Sb51 + 46Ca20 + 173.810 MeV [42.018 MeV]
(A_Sm:1000)
149Sm62 + 9 D* --> 123Sb51 + 44Ca20 + 171.772 MeV [39.981 MeV]

(A_Sm:1001)
149Sm62 + 9 D* --> 126Te52 + 41K19 + 166.703 MeV [34.912 MeV]
(A_Sm:1002)
149Sm62 + 9 D* --> 128Te52 + 39K19 + 163.879 MeV [32.087 MeV]
(A_Sm:1003)
149Sm62 + 9 D* --> 127I53 + 40Ar18 + 165.103 MeV [33.311 MeV]
(A_Sm:1004)
149Sm62 + 9 D* --> 130Xe54 + 37Cl17 + 162.723 MeV [30.931 MeV]
(A_Sm:1005)
149Sm62 + 9 D* --> 132Xe54 + 35Cl17 + 159.374 MeV [27.582 MeV]
(A_Sm:1006)
149Sm62 + 9 D* --> 133Cs55 + 34S16 + 159.082 MeV [27.291 MeV]
(A_Sm:1007)
149Sm62 + 9 D* --> 136Ba56 + 31P15 + 154.407 MeV [22.616 MeV]
(A_Sm:1008)
149Sm62 + 9 D* --> 138La57 + 29Si14 + 149.499 MeV [17.708 MeV]
(A_Sm:1009)
149Sm62 + 9 D* --> 139La57 + 28Si14 + 149.804 MeV [18.012 MeV]
(A_Sm:1010)
149Sm62 + 9 D* --> 140Ce58 + 27Al13 + 146.360 MeV [14.568 MeV]
(A_Sm:1011)
149Sm62 + 9 D* --> 141Pr59 + 26Mg12 + 143.315 MeV [11.524 MeV]
(A_Sm:1012)
149Sm62 + 9 D* --> 144Nd60 + 23Na11 + 134.363 MeV [2.571 MeV]
(A_Sm:1013)
149Sm62 + 9 D* --> 148Sm62 + 19F9 + 121.909 MeV [-9.882 MeV]
(A_Sm:1014)
149Sm62 + 9 D* --> 151Eu63 + 16O8 + 120.476 MeV [-11.316 MeV]
(A_Sm:1015)
149Sm62 + 9 D* --> 152Gd64 + 15N7 + 115.692 MeV [-16.099 MeV]
(A_Sm:1016)
149Sm62 + 9 D* --> 156Dy66 + 11B5 + 102.941 MeV [-28.850 MeV]
(A_Sm:1017)

149Sm62 + 10 D* --> 86Kr36 + 83Kr36 + 217.463 MeV [69.524 MeV]
(A_Sm:1018)
149Sm62 + 10 D* --> 87Sr38 + 82Se34 + 216.690 MeV [68.751 MeV]
(A_Sm:1019)
149Sm62 + 10 D* --> 96Zr40 + 73Ge32 + 210.956 MeV [63.017 MeV]
(A_Sm:1020)
149Sm62 + 10 D* --> 116Cd48 + 53Cr24 + 198.219 MeV [50.281 MeV]
(A_Sm:1021)
149Sm62 + 10 D* --> 119Sn50 + 50Ti22 + 195.710 MeV [47.772 MeV]
(A_Sm:1022)
149Sm62 + 10 D* --> 120Sn50 + 49Ti22 + 193.879 MeV [45.940 MeV]
(A_Sm:1023)
149Sm62 + 10 D* --> 122Sn50 + 47Ti22 + 189.094 MeV [41.155 MeV]
(A_Sm:1024)
149Sm62 + 10 D* --> 123Te52 + 46Ca20 + 186.522 MeV [38.584 MeV]
(A_Sm:1025)
149Sm62 + 10 D* --> 125Te52 + 44Ca20 + 184.706 MeV [36.767 MeV]
(A_Sm:1026)
149Sm62 + 10 D* --> 126Te52 + 43Ca20 + 182.689 MeV [34.750 MeV]
(A_Sm:1027)

149Sm62 + 10 D* --> 129Xe54 + 40Ar18 + 177.953 MeV [30.014 MeV]
(A_Sm:1028)
149Sm62 + 10 D* --> 131Xe54 + 38Ar18 + 177.345 MeV [29.406 MeV]
(A_Sm:1029)
149Sm62 + 10 D* --> 135Ba56 + 34S16 + 171.998 MeV [24.059 MeV]
(A_Sm:1030)
149Sm62 + 10 D* --> 136Ba56 + 33S16 + 169.688 MeV [21.749 MeV]
(A_Sm:1031)
149Sm62 + 10 D* --> 137Ba56 + 32S16 + 167.952 MeV [20.013 MeV]
(A_Sm:1032)
149Sm62 + 10 D* --> 138La57 + 31P15 + 165.181 MeV [17.242 MeV]
(A_Sm:1033)
149Sm62 + 10 D* --> 140Ce58 + 29Si14 + 164.194 MeV [16.255 MeV]
(A_Sm:1034)
149Sm62 + 10 D* --> 143Nd60 + 26Mg12 + 154.437 MeV [6.499 MeV]
(A_Sm:1035)
149Sm62 + 10 D* --> 144Nd60 + 25Mg12 + 151.161 MeV [3.223 MeV]
(A_Sm:1036)
149Sm62 + 10 D* --> 145Nd60 + 24Mg12 + 149.586 MeV [1.647 MeV]
(A_Sm:1037)
149Sm62 + 10 D* --> 147Sm62 + 22Ne10 + 141.512 MeV [-6.427 MeV]
(A_Sm:1038)
149Sm62 + 10 D* --> 148Sm62 + 21Ne10 + 139.289 MeV [-8.650 MeV]
(A_Sm:1039)
149Sm62 + 10 D* --> 149Sm62 + 20Ne10 + 138.399 MeV [-9.540 MeV]
(A_Sm:1040)
149Sm62 + 10 D* --> 152Gd64 + 17O8 + 129.738 MeV [-18.200 MeV]
(A_Sm:1041)
149Sm62 + 10 D* --> 156Dy66 + 13C6 + 121.620 MeV [-26.319 MeV]
(A_Sm:1042)

149Sm62 + 11 D* --> 86Kr36 + 85Rb37 + 232.784 MeV [68.405 MeV]
(A_Sm:1043)
149Sm62 + 11 D* --> 87Rb37 + 84Kr36 + 234.380 MeV [70.001 MeV]
(A_Sm:1044)
149Sm62 + 11 D* --> 89Y39 + 82Se34 + 232.647 MeV [68.268 MeV]
(A_Sm:1045)
149Sm62 + 11 D* --> 96Zr40 + 75As33 + 225.826 MeV [61.447 MeV]
(A_Sm:1046)
149Sm62 + 11 D* --> 100Mo42 + 71Ga31 + 223.676 MeV [59.297 MeV]
(A_Sm:1047)
149Sm62 + 11 D* --> 116Cd48 + 55Mn25 + 213.781 MeV [49.402 MeV]
(A_Sm:1048)
149Sm62 + 11 D* --> 120Sn50 + 51V23 + 210.657 MeV [46.279 MeV]
(A_Sm:1049)
149Sm62 + 11 D* --> 121Sb51 + 50Ti22 + 208.373 MeV [43.994 MeV]
(A_Sm:1050)
149Sm62 + 11 D* --> 123Sb51 + 48Ti22 + 205.063 MeV [40.684 MeV]
(A_Sm:1051)
149Sm62 + 11 D* --> 126Te52 + 45Sc21 + 198.483 MeV [34.105 MeV]
(A_Sm:1052)
149Sm62 + 11 D* --> 127I53 + 44Ca20 + 197.803 MeV [33.424 MeV]
(A_Sm:1053)
149Sm62 + 11 D* --> 130Xe54 + 41K19 + 192.792 MeV [28.413 MeV]

(A_Sm:1054)
149Sm62 + 11 D* --> 131Xe54 + 40K19 + 189.301 MeV [24.923 MeV]
(A_Sm:1055)
149Sm62 + 11 D* --> 132Xe54 + 39K19 + 190.439 MeV [26.060 MeV]
(A_Sm:1056)
149Sm62 + 11 D* --> 133Cs55 + 38Ar18 + 190.137 MeV [25.758 MeV]
(A_Sm:1057)
149Sm62 + 11 D* --> 134Ba56 + 37Cl17 + 188.062 MeV [23.684 MeV]
(A_Sm:1058)
149Sm62 + 11 D* --> 136Ba56 + 35Cl17 + 185.251 MeV [20.873 MeV]
(A_Sm:1059)
149Sm62 + 11 D* --> 138La57 + 33S16 + 180.462 MeV [16.083 MeV]
(A_Sm:1060)
149Sm62 + 11 D* --> 139La57 + 32S16 + 180.598 MeV [16.219 MeV]
(A_Sm:1061)
149Sm62 + 11 D* --> 140Ce58 + 31P15 + 179.875 MeV [15.496 MeV]
(A_Sm:1062)
149Sm62 + 11 D* --> 141Pr59 + 30Si14 + 177.805 MeV [13.426 MeV]
(A_Sm:1063)
149Sm62 + 11 D* --> 144Nd60 + 27Al13 + 168.301 MeV [3.922 MeV]
(A_Sm:1064)
149Sm62 + 11 D* --> 148Sm62 + 23Na11 + 156.223 MeV [-8.156 MeV]
(A_Sm:1065)
149Sm62 + 11 D* --> 151Eu63 + 20Ne10 + 149.052 MeV [-15.327 MeV]
(A_Sm:1066)
149Sm62 + 11 D* --> 152Gd64 + 19F9 + 143.553 MeV [-20.826 MeV]
(A_Sm:1067)
149Sm62 + 11 D* --> 156Dy66 + 15N7 + 137.779 MeV [-26.599 MeV]
(A_Sm:1068)

149Sm62 + 12 D* --> 87Sr38 + 86Kr36 + 248.633 MeV [67.523 MeV]
(A_Sm:1069)
149Sm62 + 12 D* --> 91Zr40 + 82Se34 + 245.971 MeV [64.862 MeV]
(A_Sm:1070)
149Sm62 + 12 D* --> 96Zr40 + 77Se34 + 240.529 MeV [59.420 MeV]
(A_Sm:1071)
149Sm62 + 12 D* --> 97Mo42 + 76Ge32 + 241.240 MeV [60.131 MeV]
(A_Sm:1072)
149Sm62 + 12 D* --> 100Mo42 + 73Ge32 + 237.969 MeV [56.859 MeV]
(A_Sm:1073)
149Sm62 + 12 D* --> 116Cd48 + 57Fe26 + 229.386 MeV [48.277 MeV]
(A_Sm:1074)
149Sm62 + 12 D* --> 119Sn50 + 54Cr24 + 227.488 MeV [46.378 MeV]
(A_Sm:1075)
149Sm62 + 12 D* --> 120Sn50 + 53Cr24 + 226.877 MeV [45.767 MeV]
(A_Sm:1076)
149Sm62 + 12 D* --> 123Sb51 + 50V23 + 218.932 MeV [37.823 MeV]
(A_Sm:1077)
149Sm62 + 12 D* --> 123Te52 + 50Ti22 + 221.085 MeV [39.976 MeV]
(A_Sm:1078)
149Sm62 + 12 D* --> 124Te52 + 49Ti22 + 219.570 MeV [38.461 MeV]
(A_Sm:1079)
149Sm62 + 12 D* --> 125Te52 + 48Ti22 + 217.997 MeV [36.887 MeV]
(A_Sm:1080)

149Sm62 + 12 D* --> 126Te52 + 47Ti22 + 215.484 MeV [34.374 MeV]
(A_Sm:1081)
149Sm62 + 12 D* --> 129Xe54 + 44Ca20 + 210.653 MeV [29.543 MeV]
(A_Sm:1082)
149Sm62 + 12 D* --> 130Xe54 + 43Ca20 + 208.777 MeV [27.668 MeV]
(A_Sm:1083)
149Sm62 + 12 D* --> 131Xe54 + 42Ca20 + 207.449 MeV [26.340 MeV]
(A_Sm:1084)
149Sm62 + 12 D* --> 133Cs55 + 40K19 + 202.093 MeV [20.983 MeV]
(A_Sm:1085)
149Sm62 + 12 D* --> 135Ba56 + 38Ar18 + 203.052 MeV [21.942 MeV]
(A_Sm:1086)
149Sm62 + 12 D* --> 137Ba56 + 36Ar18 + 198.440 MeV [17.330 MeV]
(A_Sm:1087)
149Sm62 + 12 D* --> 138La57 + 35Cl17 + 196.025 MeV [14.915 MeV]
(A_Sm:1088)
149Sm62 + 12 D* --> 140Ce58 + 33S16 + 195.156 MeV [14.047 MeV]
(A_Sm:1089)
149Sm62 + 12 D* --> 143Nd60 + 30Si14 + 188.927 MeV [7.818 MeV]
(A_Sm:1090)
149Sm62 + 12 D* --> 144Nd60 + 29Si14 + 186.135 MeV [5.025 MeV]
(A_Sm:1091)
149Sm62 + 12 D* --> 145Nd60 + 28Si14 + 183.417 MeV [2.307 MeV]
(A_Sm:1092)
149Sm62 + 12 D* --> 147Sm62 + 26Mg12 + 175.973 MeV [-5.136 MeV]
(A_Sm:1093)
149Sm62 + 12 D* --> 148Sm62 + 25Mg12 + 173.022 MeV [-8.088 MeV]
(A_Sm:1094)
149Sm62 + 12 D* --> 149Sm62 + 24Mg12 + 171.562 MeV [-9.547 MeV]
(A_Sm:1095)
149Sm62 + 12 D* --> 152Gd64 + 21Ne10 + 160.933 MeV [-20.177 MeV]
(A_Sm:1096)
149Sm62 + 12 D* --> 156Dy66 + 17O8 + 151.825 MeV [-29.284 MeV]
(A_Sm:1097)

150Sm62 + D* --> 137Ba56 + 15N7 + 23.698 MeV [10.315 MeV]
(A_Sm:1098)
150Sm62 + D* --> 138Ba56 + 14N7 + 21.477 MeV [8.093 MeV]
(A_Sm:1099)
150Sm62 + D* --> 139La57 + 13C6 + 20.185 MeV [6.801 MeV]
(A_Sm:1100)
150Sm62 + D* --> 142Ce58 + 10B5 + 8.566 MeV [-4.817 MeV]
(A_Sm:1101)
150Sm62 + D* --> 145Nd60 + 7Li3 + 2.607 MeV [-10.776 MeV]
(A_Sm:1102)
150Sm62 + D* --> 146Nd60 + 6Li3 + 2.923 MeV [-10.461 MeV]
(A_Sm:1103)

150Sm62 + 2 D* --> 124Sn50 + 30Si14 + 61.884 MeV [34.804 MeV]
(A_Sm:1104)
150Sm62 + 2 D* --> 128Te52 + 26Mg12 + 54.421 MeV [27.341 MeV]
(A_Sm:1105)
150Sm62 + 2 D* --> 130Te52 + 24Mg12 + 50.499 MeV [23.419 MeV]
(A_Sm:1106)

150Sm62 + 2 D* --> 132Xe54 + 22Ne10 + 46.519 MeV [19.439 MeV]
(A_Sm:1107)
150Sm62 + 2 D* --> 134Xe54 + 20Ne10 + 44.381 MeV [17.300 MeV]
(A_Sm:1108)
150Sm62 + 2 D* --> 136Ba56 + 18O8 + 38.883 MeV [11.803 MeV]
(A_Sm:1109)
150Sm62 + 2 D* --> 137Ba56 + 17O8 + 37.744 MeV [10.664 MeV]
(A_Sm:1110)
150Sm62 + 2 D* --> 138Ba56 + 16O8 + 42.213 MeV [15.133 MeV]
(A_Sm:1111)
150Sm62 + 2 D* --> 139La57 + 15N7 + 36.344 MeV [9.264 MeV]
(A_Sm:1112)
150Sm62 + 2 D* --> 142Ce58 + 12C6 + 33.753 MeV [6.673 MeV]
(A_Sm:1113)
150Sm62 + 2 D* --> 145Nd60 + 9Be4 + 19.304 MeV [-7.776 MeV]
(A_Sm:1114)
150Sm62 + 2 D* --> 150Sm62 + 4He2 + 23.847 MeV [-3.234 MeV]
(A_Sm:1115)
150Sm62 + 2 D* --> 153Eu63 + 1H1 + 15.299 MeV [-11.781 MeV]
(A_Sm:1116)
150Sm62 + 2 D* --> 154Gd64 + 22.927 MeV [-4.153 MeV]
(A_Sm:1117)

150Sm62 + 3 D* --> 137Ba56 + 19F9 + 51.558 MeV [10.471 MeV]
(A_Sm:1118)
150Sm62 + 3 D* --> 138La57 + 18O8 + 49.656 MeV [8.568 MeV]
(A_Sm:1119)
150Sm62 + 3 D* --> 139La57 + 17O8 + 50.390 MeV [9.302 MeV]
(A_Sm:1120)
150Sm62 + 3 D* --> 142Ce58 + 14N7 + 44.025 MeV [2.937 MeV]
(A_Sm:1121)
150Sm62 + 3 D* --> 145Nd60 + 11B5 + 35.119 MeV [-5.969 MeV]
(A_Sm:1122)
150Sm62 + 3 D* --> 146Nd60 + 10B5 + 31.230 MeV [-9.858 MeV]
(A_Sm:1123)
150Sm62 + 3 D* --> 149Sm62 + 7Li3 + 24.584 MeV [-16.504 MeV]
(A_Sm:1124)
150Sm62 + 3 D* --> 150Sm62 + 6Li3 + 25.320 MeV [-15.767 MeV]
(A_Sm:1125)
150Sm62 + 3 D* --> 153Eu63 + 3He2 + 20.792 MeV [-20.296 MeV]
(A_Sm:1126)
150Sm62 + 3 D* --> 154Gd64 + 2H1 + 22.927 MeV [-18.160 MeV]
(A_Sm:1127)
150Sm62 + 3 D* --> 155Gd64 + 1H1 + 27.138 MeV [-13.950 MeV]
(A_Sm:1128)

150Sm62 + 4 D* --> 82Se34 + 76Ge32 + 126.293 MeV [70.889 MeV]
(A_Sm:1129)
150Sm62 + 4 D* --> 110Pd46 + 48Ca20 + 108.049 MeV [52.645 MeV]
(A_Sm:1130)
150Sm62 + 4 D* --> 122Sn50 + 36S16 + 96.096 MeV [40.692 MeV]
(A_Sm:1131)
150Sm62 + 4 D* --> 124Sn50 + 34S16 + 93.654 MeV [38.250 MeV]
(A_Sm:1132)

150Sm62 + 4 D* --> 128Te52 + 30Si14 + 88.911 MeV [33.507 MeV]
(A_Sm:1133)
150Sm62 + 4 D* --> 130Te52 + 28Si14 + 84.330 MeV [28.926 MeV]
(A_Sm:1134)
150Sm62 + 4 D* --> 132Xe54 + 26Mg12 + 80.981 MeV [25.577 MeV]
(A_Sm:1135)
150Sm62 + 4 D* --> 134Xe54 + 24Mg12 + 77.544 MeV [22.140 MeV]
(A_Sm:1136)
150Sm62 + 4 D* --> 136Ba56 + 22Ne10 + 72.397 MeV [16.993 MeV]
(A_Sm:1137)
150Sm62 + 4 D* --> 137Ba56 + 21Ne10 + 68.939 MeV [13.535 MeV]
(A_Sm:1138)
150Sm62 + 4 D* --> 138Ba56 + 20Ne10 + 70.789 MeV [15.385 MeV]
(A_Sm:1139)
150Sm62 + 4 D* --> 139La57 + 19F9 + 64.204 MeV [8.800 MeV]
(A_Sm:1140)
150Sm62 + 4 D* --> 140Ce58 + 18O8 + 64.350 MeV [8.946 MeV]
(A_Sm:1141)
150Sm62 + 4 D* --> 142Ce58 + 16O8 + 64.761 MeV [9.357 MeV]
(A_Sm:1142)
150Sm62 + 4 D* --> 145Nd60 + 13C6 + 53.798 MeV [-1.606 MeV]
(A_Sm:1143)
150Sm62 + 4 D* --> 146Nd60 + 12C6 + 56.417 MeV [1.013 MeV]
(A_Sm:1144)
150Sm62 + 4 D* --> 149Sm62 + 9Be4 + 41.280 MeV [-14.124 MeV]
(A_Sm:1145)
150Sm62 + 4 D* --> 151Eu63 + 7Li3 + 35.237 MeV [-20.167 MeV]
(A_Sm:1146)
150Sm62 + 4 D* --> 154Gd64 + 4He2 + 46.774 MeV [-8.630 MeV]
(A_Sm:1147)
150Sm62 + 4 D* --> 155Gd64 + 3He2 + 32.631 MeV [-22.772 MeV]
(A_Sm:1148)
150Sm62 + 4 D* --> 158Dy66 + 45.898 MeV [-9.506 MeV]
(A_Sm:1149)

150Sm62 + 5 D* --> 137Ba56 + 23Na11 + 85.872 MeV [15.846 MeV]
(A_Sm:1150)
150Sm62 + 5 D* --> 138La57 + 22Ne10 + 83.171 MeV [13.145 MeV]
(A_Sm:1151)
150Sm62 + 5 D* --> 139La57 + 21Ne10 + 81.584 MeV [11.558 MeV]
(A_Sm:1152)
150Sm62 + 5 D* --> 145Nd60 + 15N7 + 69.957 MeV [-0.069 MeV]
(A_Sm:1153)
150Sm62 + 5 D* --> 146Nd60 + 14N7 + 66.689 MeV [-3.337 MeV]
(A_Sm:1154)
150Sm62 + 5 D* --> 149Sm62 + 11B5 + 57.095 MeV [-12.931 MeV]
(A_Sm:1155)
150Sm62 + 5 D* --> 150Sm62 + 10B5 + 53.628 MeV [-16.398 MeV]
(A_Sm:1156)
150Sm62 + 5 D* --> 151Eu63 + 9Be4 + 51.933 MeV [-18.093 MeV]
(A_Sm:1157)
150Sm62 + 5 D* --> 154Gd64 + 6Li3 + 48.248 MeV [-21.778 MeV]
(A_Sm:1158)
150Sm62 + 5 D* --> 158Dy66 + 2H1 + 45.898 MeV [-24.128 MeV]

(A_Sm:1159)

150Sm62 + 6 D* --> 82Se34 + 80Se34 + 157.111 MeV [72.159 MeV]
(A_Sm:1160)
150Sm62 + 6 D* --> 86Kr36 + 76Ge32 + 158.236 MeV [73.284 MeV]
(A_Sm:1161)
150Sm62 + 6 D* --> 114Cd48 + 48Ca20 + 135.992 MeV [51.040 MeV]
(A_Sm:1162)
150Sm62 + 6 D* --> 116Cd48 + 46Ca20 + 133.611 MeV [48.659 MeV]
(A_Sm:1163)
150Sm62 + 6 D* --> 122Sn50 + 40Ar18 + 126.743 MeV [41.791 MeV]
(A_Sm:1164)
150Sm62 + 6 D* --> 124Sn50 + 38Ar18 + 124.708 MeV [39.756 MeV]
(A_Sm:1165)
150Sm62 + 6 D* --> 126Te52 + 36S16 + 122.486 MeV [37.534 MeV]
(A_Sm:1166)
150Sm62 + 6 D* --> 128Te52 + 34S16 + 120.681 MeV [35.729 MeV]
(A_Sm:1167)
150Sm62 + 6 D* --> 130Te52 + 32S16 + 115.124 MeV [30.172 MeV]
(A_Sm:1168)
150Sm62 + 6 D* --> 132Xe54 + 30Si14 + 115.470 MeV [30.518 MeV]
(A_Sm:1169)
150Sm62 + 6 D* --> 134Xe54 + 28Si14 + 111.374 MeV [26.422 MeV]
(A_Sm:1170)
150Sm62 + 6 D* --> 136Ba56 + 26Mg12 + 106.859 MeV [21.907 MeV]
(A_Sm:1171)
150Sm62 + 6 D* --> 137Ba56 + 25Mg12 + 102.671 MeV [17.719 MeV]
(A_Sm:1172)
150Sm62 + 6 D* --> 138Ba56 + 24Mg12 + 103.952 MeV [19.000 MeV]
(A_Sm:1173)
150Sm62 + 6 D* --> 139La57 + 23Na11 + 98.518 MeV [13.566 MeV]
(A_Sm:1174)
150Sm62 + 6 D* --> 140Ce58 + 22Ne10 + 97.865 MeV [12.913 MeV]
(A_Sm:1175)
150Sm62 + 6 D* --> 142Ce58 + 20Ne10 + 93.337 MeV [8.385 MeV]
(A_Sm:1176)
150Sm62 + 6 D* --> 144Nd60 + 18O8 + 86.292 MeV [1.340 MeV]
(A_Sm:1177)
150Sm62 + 6 D* --> 145Nd60 + 17O8 + 84.003 MeV [-0.949 MeV]
(A_Sm:1178)
150Sm62 + 6 D* --> 146Nd60 + 16O8 + 87.425 MeV [2.473 MeV]
(A_Sm:1179)
150Sm62 + 6 D* --> 149Sm62 + 13C6 + 75.774 MeV [-9.178 MeV]
(A_Sm:1180)
150Sm62 + 6 D* --> 150Sm62 + 12C6 + 78.814 MeV [-6.138 MeV]
(A_Sm:1181)
150Sm62 + 6 D* --> 151Eu63 + 11B5 + 67.748 MeV [-17.204 MeV]
(A_Sm:1182)
150Sm62 + 6 D* --> 158Dy66 + 4He2 + 69.744 MeV [-15.208 MeV]
(A_Sm:1183)
150Sm62 + 6 D* --> 162Er68 + 68.100 MeV [-16.852 MeV]
(A_Sm:1184)

150Sm62 + 7 D* --> 124Sn50 + 40K19 + 136.665 MeV [36.485 MeV]

(A_Sm:1185)
150Sm62 + 7 D* --> 137Ba56 + 27Al13 + 119.811 MeV [19.631 MeV]
(A_Sm:1186)
150Sm62 + 7 D* --> 138La57 + 26Mg12 + 117.632 MeV [17.453 MeV]
(A_Sm:1187)
150Sm62 + 7 D* --> 139La57 + 25Mg12 + 115.317 MeV [15.138 MeV]
(A_Sm:1188)
150Sm62 + 7 D* --> 145Nd60 + 19F9 + 97.817 MeV [-2.362 MeV]
(A_Sm:1189)
150Sm62 + 7 D* --> 149Sm62 + 15N7 + 91.933 MeV [-8.246 MeV]
(A_Sm:1190)
150Sm62 + 7 D* --> 150Sm62 + 14N7 + 89.087 MeV [-11.093 MeV]
(A_Sm:1191)
150Sm62 + 7 D* --> 151Eu63 + 13C6 + 86.427 MeV [-13.753 MeV]
(A_Sm:1192)
150Sm62 + 7 D* --> 154Gd64 + 10B5 + 76.555 MeV [-23.624 MeV]
(A_Sm:1193)
150Sm62 + 7 D* --> 158Dy66 + 6Li3 + 71.218 MeV [-28.961 MeV]
(A_Sm:1194)
150Sm62 + 7 D* --> 162Er68 + 2H1 + 68.100 MeV [-32.080 MeV]
(A_Sm:1195)

150Sm62 + 8 D* --> 84Kr36 + 82Se34 + 188.053 MeV [72.348 MeV]
(A_Sm:1196)
150Sm62 + 8 D* --> 86Kr36 + 80Se34 + 189.054 MeV [73.348 MeV]
(A_Sm:1197)
150Sm62 + 8 D* --> 96Zr40 + 70Zn30 + 183.036 MeV [67.330 MeV]
(A_Sm:1198)
150Sm62 + 8 D* --> 116Cd48 + 50Ti22 + 168.175 MeV [52.469 MeV]
(A_Sm:1199)
150Sm62 + 8 D* --> 118Sn50 + 48Ca20 + 163.899 MeV [48.193 MeV]
(A_Sm:1200)
150Sm62 + 8 D* --> 120Sn50 + 46Ca20 + 162.269 MeV [46.563 MeV]
(A_Sm:1201)
150Sm62 + 8 D* --> 122Sn50 + 44Ca20 + 159.443 MeV [43.737 MeV]
(A_Sm:1202)
150Sm62 + 8 D* --> 124Sn50 + 42Ca20 + 154.812 MeV [39.106 MeV]
(A_Sm:1203)
150Sm62 + 8 D* --> 126Te52 + 40Ar18 + 153.133 MeV [37.427 MeV]
(A_Sm:1204)
150Sm62 + 8 D* --> 128Te52 + 38Ar18 + 151.735 MeV [36.029 MeV]
(A_Sm:1205)
150Sm62 + 8 D* --> 130Te52 + 36Ar18 + 145.611 MeV [29.905 MeV]
(A_Sm:1206)
150Sm62 + 8 D* --> 130Xe54 + 36S16 + 148.574 MeV [32.868 MeV]
(A_Sm:1207)
150Sm62 + 8 D* --> 132Xe54 + 34S16 + 147.241 MeV [31.535 MeV]
(A_Sm:1208)
150Sm62 + 8 D* --> 134Xe54 + 32S16 + 142.169 MeV [26.463 MeV]
(A_Sm:1209)
150Sm62 + 8 D* --> 136Ba56 + 30Si14 + 141.348 MeV [25.642 MeV]
(A_Sm:1210)
150Sm62 + 8 D* --> 137Ba56 + 29Si14 + 137.645 MeV [21.939 MeV]
(A_Sm:1211)

150Sm62 + 8 D* --> 138Ba56 + 28Si14 + 137.783 MeV [22.077 MeV]
(A_Sm:1212)
150Sm62 + 8 D* --> 139La57 + 27Al13 + 132.456 MeV [16.751 MeV]
(A_Sm:1213)
150Sm62 + 8 D* --> 140Ce58 + 26Mg12 + 132.326 MeV [16.620 MeV]
(A_Sm:1214)
150Sm62 + 8 D* --> 142Ce58 + 24Mg12 + 126.500 MeV [10.795 MeV]
(A_Sm:1215)
150Sm62 + 8 D* --> 144Nd60 + 22Ne10 + 119.806 MeV [4.100 MeV]
(A_Sm:1216)
150Sm62 + 8 D* --> 145Nd60 + 21Ne10 + 115.197 MeV [-0.509 MeV]
(A_Sm:1217)
150Sm62 + 8 D* --> 146Nd60 + 20Ne10 + 116.001 MeV [00.296 MeV]
(A_Sm:1218)
150Sm62 + 8 D* --> 148Sm62 + 18O8 + 108.152 MeV [-7.554 MeV]
(A_Sm:1219)
150Sm62 + 8 D* --> 149Sm62 + 17O8 + 105.979 MeV [-9.727 MeV]
(A_Sm:1220)
150Sm62 + 8 D* --> 150Sm62 + 16O8 + 109.823 MeV [-5.883 MeV]
(A_Sm:1221)
150Sm62 + 8 D* --> 151Eu63 + 15N7 + 102.586 MeV [-13.120 MeV]
(A_Sm:1222)
150Sm62 + 8 D* --> 154Gd64 + 12C6 + 101.742 MeV [-13.964 MeV]
(A_Sm:1223)
150Sm62 + 8 D* --> 162Er68 + 4He2 + 91.946 MeV [-23.760 MeV]
(A_Sm:1224)

150Sm62 + 9 D* --> 128Te52 + 40K19 + 163.691 MeV [32.162 MeV]
(A_Sm:1225)
150Sm62 + 9 D* --> 131Xe54 + 37Cl17 + 161.341 MeV [29.811 MeV]
(A_Sm:1226)
150Sm62 + 9 D* --> 137Ba56 + 31P15 + 153.326 MeV [21.797 MeV]
(A_Sm:1227)
150Sm62 + 9 D* --> 138La57 + 30Si14 + 152.122 MeV [20.592 MeV]
(A_Sm:1228)
150Sm62 + 9 D* --> 139La57 + 29Si14 + 150.291 MeV [18.761 MeV]
(A_Sm:1229)
150Sm62 + 9 D* --> 145Nd60 + 23Na11 + 132.131 MeV [00.602 MeV]
(A_Sm:1230)
150Sm62 + 9 D* --> 149Sm62 + 19F9 + 119.793 MeV [-11.736 MeV]
(A_Sm:1231)
150Sm62 + 9 D* --> 151Eu63 + 17O8 + 116.632 MeV [-14.897 MeV]
(A_Sm:1232)
150Sm62 + 9 D* --> 154Gd64 + 14N7 + 112.014 MeV [-19.516 MeV]
(A_Sm:1233)
150Sm62 + 9 D* --> 158Dy66 + 10B5 + 99.526 MeV [-32.004 MeV]
(A_Sm:1234)
150Sm62 + 9 D* --> 162Er68 + 6Li3 + 93.420 MeV [-38.110 MeV]
(A_Sm:1235)

150Sm62 + 10 D* --> 86Kr36 + 84Kr36 + 219.996 MeV [72.348 MeV]
(A_Sm:1236)
150Sm62 + 10 D* --> 88Sr38 + 82Se34 + 219.816 MeV [72.168 MeV]
(A_Sm:1237)

150Sm62 + 10 D* --> 94Zr40 + 76Ge32 + 214.780 MeV [67.132 MeV]
(A_Sm:1238)
150Sm62 + 10 D* --> 96Zr40 + 74Ge32 + 213.165 MeV [65.517 MeV]
(A_Sm:1239)
150Sm62 + 10 D* --> 100Mo42 + 70Zn30 + 210.049 MeV [62.401 MeV]
(A_Sm:1240)
150Sm62 + 10 D* --> 116Cd48 + 54Cr24 + 199.952 MeV [52.304 MeV]
(A_Sm:1241)
150Sm62 + 10 D* --> 120Sn50 + 50Ti22 + 196.832 MeV [49.184 MeV]
(A_Sm:1242)
150Sm62 + 10 D* --> 122Sn50 + 48Ti22 + 192.734 MeV [45.085 MeV]
(A_Sm:1243)
150Sm62 + 10 D* --> 124Sn50 + 46Ti22 + 186.660 MeV [39.012 MeV]
(A_Sm:1244)
150Sm62 + 10 D* --> 122Te52 + 48Ca20 + 188.828 MeV [41.180 MeV]
(A_Sm:1245)
150Sm62 + 10 D* --> 124Te52 + 46Ca20 + 187.960 MeV [40.311 MeV]
(A_Sm:1246)
150Sm62 + 10 D* --> 126Te52 + 44Ca20 + 185.833 MeV [38.185 MeV]
(A_Sm:1247)
150Sm62 + 10 D* --> 128Te52 + 42Ca20 + 181.839 MeV [34.191 MeV]
(A_Sm:1248)
150Sm62 + 10 D* --> 130Te52 + 40Ca20 + 176.498 MeV [28.849 MeV]
(A_Sm:1249)
150Sm62 + 10 D* --> 130Xe54 + 40Ar18 + 179.221 MeV [31.573 MeV]
(A_Sm:1250)
150Sm62 + 10 D* --> 132Xe54 + 38Ar18 + 178.295 MeV [30.647 MeV]
(A_Sm:1251)
150Sm62 + 10 D* --> 134Xe54 + 36Ar18 + 172.656 MeV [25.008 MeV]
(A_Sm:1252)
150Sm62 + 10 D* --> 133Cs55 + 37Cl17 + 174.132 MeV [26.484 MeV]
(A_Sm:1253)
150Sm62 + 10 D* --> 134Ba56 + 36S16 + 173.914 MeV [26.266 MeV]
(A_Sm:1254)
150Sm62 + 10 D* --> 136Ba56 + 34S16 + 173.119 MeV [25.471 MeV]
(A_Sm:1255)
150Sm62 + 10 D* --> 137Ba56 + 33S16 + 168.607 MeV [20.959 MeV]
(A_Sm:1256)
150Sm62 + 10 D* --> 138Ba56 + 32S16 + 168.577 MeV [20.929 MeV]
(A_Sm:1257)
150Sm62 + 10 D* --> 139La57 + 31P15 + 165.972 MeV [18.324 MeV]
(A_Sm:1258)
150Sm62 + 10 D* --> 140Ce58 + 30Si14 + 166.816 MeV [19.168 MeV]
(A_Sm:1259)
150Sm62 + 10 D* --> 142Ce58 + 28Si14 + 160.331 MeV [12.683 MeV]
(A_Sm:1260)
150Sm62 + 10 D* --> 144Nd60 + 26Mg12 + 154.268 MeV [6.620 MeV]
(A_Sm:1261)
150Sm62 + 10 D* --> 145Nd60 + 25Mg12 + 148.930 MeV [1.282 MeV]
(A_Sm:1262)
150Sm62 + 10 D* --> 146Nd60 + 24Mg12 + 149.164 MeV [1.516 MeV]
(A_Sm:1263)
150Sm62 + 10 D* --> 148Sm62 + 22Ne10 + 141.667 MeV [-5.981 MeV]
(A_Sm:1264)

150Sm62 + 10 D* --> 149Sm62 + 21Ne10 + 137.174 MeV [-10.475 MeV]
(A_Sm:1265)
150Sm62 + 10 D* --> 150Sm62 + 20Ne10 + 138.399 MeV [-9.249 MeV]
(A_Sm:1266)
150Sm62 + 10 D* --> 151Eu63 + 19F9 + 130.446 MeV [-17.202 MeV]
(A_Sm:1267)
150Sm62 + 10 D* --> 152Gd64 + 18O8 + 129.796 MeV [-17.852 MeV]
(A_Sm:1268)
150Sm62 + 10 D* --> 154Gd64 + 16O8 + 132.750 MeV [-14.898 MeV]
(A_Sm:1269)
150Sm62 + 10 D* --> 158Dy66 + 12C6 + 124.712 MeV [-22.936 MeV]
(A_Sm:1270)

150Sm62 + 11 D* --> 122Sn50 + 50V23 + 206.603 MeV [42.544 MeV]
(A_Sm:1271)
150Sm62 + 11 D* --> 123Sb51 + 49Ti22 + 205.219 MeV [41.159 MeV]
(A_Sm:1272)
150Sm62 + 11 D* --> 131Xe54 + 41K19 + 191.410 MeV [27.350 MeV]
(A_Sm:1273)
150Sm62 + 11 D* --> 132Xe54 + 40K19 + 190.251 MeV [26.192 MeV]
(A_Sm:1274)
150Sm62 + 11 D* --> 135Ba56 + 37Cl17 + 187.048 MeV [22.988 MeV]
(A_Sm:1275)
150Sm62 + 11 D* --> 137Ba56 + 35Cl17 + 184.170 MeV [20.111 MeV]
(A_Sm:1276)
150Sm62 + 11 D* --> 138La57 + 34S16 + 183.892 MeV [19.833 MeV]
(A_Sm:1277)
150Sm62 + 11 D* --> 139La57 + 33S16 + 181.253 MeV [17.193 MeV]
(A_Sm:1278)
150Sm62 + 11 D* --> 145Nd60 + 27Al13 + 166.069 MeV [2.010 MeV]
(A_Sm:1279)
150Sm62 + 11 D* --> 149Sm62 + 23Na11 + 154.107 MeV [-9.952 MeV]
(A_Sm:1280)
150Sm62 + 11 D* --> 151Eu63 + 21Ne10 + 147.826 MeV [-16.233 MeV]
(A_Sm:1281)
150Sm62 + 11 D* --> 158Dy66 + 14N7 + 134.984 MeV [-29.075 MeV]
(A_Sm:1282)
150Sm62 + 11 D* --> 162Er68 + 10B5 + 121.727 MeV [-42.332 MeV]
(A_Sm:1283)

150Sm62 + 12 D* --> 87Rb37 + 87Rb37 + 249.767 MeV [69.005 MeV]
(A_Sm:1284)
150Sm62 + 12 D* --> 88Sr38 + 86Kr36 + 251.759 MeV [70.997 MeV]
(A_Sm:1285)
150Sm62 + 12 D* --> 92Zr40 + 82Se34 + 246.619 MeV [65.857 MeV]
(A_Sm:1286)
150Sm62 + 12 D* --> 94Zr40 + 80Se34 + 245.598 MeV [64.836 MeV]
(A_Sm:1287)
150Sm62 + 12 D* --> 96Zr40 + 78Se34 + 243.040 MeV [62.278 MeV]
(A_Sm:1288)
150Sm62 + 12 D* --> 98Mo42 + 76Ge32 + 241.896 MeV [61.134 MeV]
(A_Sm:1289)
150Sm62 + 12 D* --> 100Mo42 + 74Ge32 + 240.178 MeV [59.416 MeV]
(A_Sm:1290)

150Sm62 + 12 D* --> 104Ru44 + 70Zn30 + 238.225 MeV [57.463 MeV]
(A_Sm:1291)
150Sm62 + 12 D* --> 110Pd46 + 64Ni28 + 236.020 MeV [55.258 MeV]
(A_Sm:1292)
150Sm62 + 12 D* --> 116Cd48 + 58Fe26 + 231.444 MeV [50.682 MeV]
(A_Sm:1293)
150Sm62 + 12 D* --> 120Sn50 + 54Cr24 + 228.609 MeV [47.847 MeV]
(A_Sm:1294)
150Sm62 + 12 D* --> 122Sn50 + 52Cr24 + 225.934 MeV [45.172 MeV]
(A_Sm:1295)
150Sm62 + 12 D* --> 124Sn50 + 50Cr24 + 219.068 MeV [38.306 MeV]
(A_Sm:1296)
150Sm62 + 12 D* --> 123Sb51 + 51V23 + 221.997 MeV [41.235 MeV]
(A_Sm:1297)
150Sm62 + 12 D* --> 124Te52 + 50Ti22 + 222.523 MeV [41.761 MeV]
(A_Sm:1298)
150Sm62 + 12 D* --> 125Te52 + 49Ti22 + 218.152 MeV [37.390 MeV]
(A_Sm:1299)
150Sm62 + 12 D* --> 126Te52 + 48Ti22 + 219.124 MeV [38.362 MeV]
(A_Sm:1300)
150Sm62 + 12 D* --> 128Te52 + 46Ti22 + 213.687 MeV [32.925 MeV]
(A_Sm:1301)
150Sm62 + 12 D* --> 126Xe54 + 48Ca20 + 213.954 MeV [33.192 MeV]
(A_Sm:1302)
150Sm62 + 12 D* --> 128Xe54 + 46Ca20 + 213.566 MeV [32.805 MeV]
(A_Sm:1303)
150Sm62 + 12 D* --> 130Xe54 + 44Ca20 + 211.922 MeV [31.160 MeV]
(A_Sm:1304)
150Sm62 + 12 D* --> 131Xe54 + 43Ca20 + 207.395 MeV [26.633 MeV]
(A_Sm:1305)
150Sm62 + 12 D* --> 132Xe54 + 42Ca20 + 208.399 MeV [27.637 MeV]
(A_Sm:1306)
150Sm62 + 12 D* --> 134Xe54 + 40Ca20 + 203.542 MeV [22.780 MeV]
(A_Sm:1307)
150Sm62 + 12 D* --> 133Cs55 + 41K19 + 204.201 MeV [23.439 MeV]
(A_Sm:1308)
150Sm62 + 12 D* --> 134Ba56 + 40Ar18 + 204.561 MeV [23.799 MeV]
(A_Sm:1309)
150Sm62 + 12 D* --> 136Ba56 + 38Ar18 + 204.173 MeV [23.411 MeV]
(A_Sm:1310)
150Sm62 + 12 D* --> 138Ba56 + 36Ar18 + 199.064 MeV [18.303 MeV]
(A_Sm:1311)
150Sm62 + 12 D* --> 139La57 + 35Cl17 + 196.816 MeV [16.054 MeV]
(A_Sm:1312)
150Sm62 + 12 D* --> 138Ce58 + 36S16 + 198.804 MeV [18.042 MeV]
(A_Sm:1313)
150Sm62 + 12 D* --> 140Ce58 + 34S16 + 198.586 MeV [17.825 MeV]
(A_Sm:1314)
150Sm62 + 12 D* --> 142Ce58 + 32S16 + 191.125 MeV [10.364 MeV]
(A_Sm:1315)
150Sm62 + 12 D* --> 144Nd60 + 30Si14 + 188.757 MeV [7.996 MeV]
(A_Sm:1316)
150Sm62 + 12 D* --> 145Nd60 + 29Si14 + 183.904 MeV [3.142 MeV]
(A_Sm:1317)

150Sm62 + 12 D* --> 146Nd60 + 28Si14 + 182.995 MeV [2.233 MeV]
(A_Sm:1318)
150Sm62 + 12 D* --> 148Sm62 + 26Mg12 + 176.128 MeV [-4.634 MeV]
(A_Sm:1319)
150Sm62 + 12 D* --> 149Sm62 + 25Mg12 + 170.906 MeV [-9.856 MeV]
(A_Sm:1320)
150Sm62 + 12 D* --> 150Sm62 + 24Mg12 + 171.562 MeV [-9.200 MeV]
(A_Sm:1321)
150Sm62 + 12 D* --> 151Eu63 + 23Na11 + 164.760 MeV [-16.002 MeV]
(A_Sm:1322)
150Sm62 + 12 D* --> 152Gd64 + 22Ne10 + 163.310 MeV [-17.452 MeV]
(A_Sm:1323)
150Sm62 + 12 D* --> 154Gd64 + 20Ne10 + 161.326 MeV [-19.435 MeV]
(A_Sm:1324)
150Sm62 + 12 D* --> 156Dy66 + 18O8 + 151.883 MeV [-28.879 MeV]
(A_Sm:1325)
150Sm62 + 12 D* --> 158Dy66 + 16O8 + 155.720 MeV [-25.041 MeV]
(A_Sm:1326)
150Sm62 + 12 D* --> 162Er68 + 12C6 + 146.914 MeV [-33.848 MeV]
(A_Sm:1327)

152Sm62 + D* --> 148Nd60 + 6Li3 + 1.694 MeV [-11.632 MeV]
(A_Sm:1328)

152Sm62 + 2 D* --> 130Te52 + 26Mg12 + 55.069 MeV [28.105 MeV]
(A_Sm:1329)
152Sm62 + 2 D* --> 134Xe54 + 22Ne10 + 47.652 MeV [20.688 MeV]
(A_Sm:1330)
152Sm62 + 2 D* --> 136Xe54 + 20Ne10 + 44.970 MeV [18.006 MeV]
(A_Sm:1331)
152Sm62 + 2 D* --> 138Ba56 + 18O8 + 40.546 MeV [13.582 MeV]
(A_Sm:1332)
152Sm62 + 2 D* --> 152Sm62 + 4He2 + 23.847 MeV [-3.117 MeV]
(A_Sm:1333)
152Sm62 + 2 D* --> 156Gd64 + 24.045 MeV [-2.919 MeV]
(A_Sm:1334)

152Sm62 + 3 D* --> 148Nd60 + 10B5 + 30.001 MeV [-10.913 MeV]
(A_Sm:1335)
152Sm62 + 3 D* --> 152Sm62 + 6Li3 + 25.320 MeV [-15.593 MeV]
(A_Sm:1336)
152Sm62 + 3 D* --> 156Gd64 + 2H1 + 24.045 MeV [-16.869 MeV]
(A_Sm:1337)
152Sm62 + 3 D* --> 157Gd64 + 1H1 + 28.180 MeV [-12.734 MeV]
(A_Sm:1338)

152Sm62 + 4 D* --> 124Sn50 + 36S16 + 96.675 MeV [41.503 MeV]
(A_Sm:1339)
152Sm62 + 4 D* --> 130Te52 + 30Si14 + 89.558 MeV [34.386 MeV]
(A_Sm:1340)
152Sm62 + 4 D* --> 134Xe54 + 26Mg12 + 82.113 MeV [26.941 MeV]
(A_Sm:1341)
152Sm62 + 4 D* --> 136Xe54 + 24Mg12 + 78.133 MeV [22.961 MeV]
(A_Sm:1342)

152Sm62 + 4 D* --> 138Ba56 + 22Ne10 + 74.060 MeV [18.888 MeV]
(A_Sm:1343)
152Sm62 + 4 D* --> 142Ce58 + 18O8 + 63.094 MeV [7.922 MeV]
(A_Sm:1344)
152Sm62 + 4 D* --> 148Nd60 + 12C6 + 55.188 MeV [00.015 MeV]
(A_Sm:1345)
152Sm62 + 4 D* --> 153Eu63 + 7Li3 + 36.239 MeV [-18.933 MeV]
(A_Sm:1346)
152Sm62 + 4 D* --> 156Gd64 + 4He2 + 47.891 MeV [-7.281 MeV]
(A_Sm:1347)
152Sm62 + 4 D* --> 157Gd64 + 3He2 + 33.674 MeV [-21.498 MeV]
(A_Sm:1348)
152Sm62 + 4 D* --> 159Tb65 + 1H1 + 40.024 MeV [-15.148 MeV]
(A_Sm:1349)
152Sm62 + 4 D* --> 160Dy66 + 47.452 MeV [-7.720 MeV]
(A_Sm:1350)

152Sm62 + 5 D* --> 148Nd60 + 14N7 + 65.460 MeV [-4.277 MeV]
(A_Sm:1351)
152Sm62 + 5 D* --> 152Sm62 + 10B5 + 53.628 MeV [-16.109 MeV]
(A_Sm:1352)
152Sm62 + 5 D* --> 153Eu63 + 9Be4 + 52.936 MeV [-16.801 MeV]
(A_Sm:1353)
152Sm62 + 5 D* --> 155Gd64 + 7Li3 + 48.079 MeV [-21.658 MeV]
(A_Sm:1354)
152Sm62 + 5 D* --> 156Gd64 + 6Li3 + 49.365 MeV [-20.371 MeV]
(A_Sm:1355)
152Sm62 + 5 D* --> 159Tb65 + 3He2 + 45.518 MeV [-24.219 MeV]
(A_Sm:1356)
152Sm62 + 5 D* --> 160Dy66 + 2H1 + 47.452 MeV [-22.285 MeV]
(A_Sm:1357)
152Sm62 + 5 D* --> 161Dy66 + 1H1 + 51.682 MeV [-18.055 MeV]
(A_Sm:1358)

152Sm62 + 6 D* --> 82Se34 + 82Se34 + 159.234 MeV [74.628 MeV]
(A_Sm:1359)
152Sm62 + 6 D* --> 116Cd48 + 48Ca20 + 136.979 MeV [52.374 MeV]
(A_Sm:1360)
152Sm62 + 6 D* --> 124Sn50 + 40Ar18 + 127.322 MeV [42.717 MeV]
(A_Sm:1361)
152Sm62 + 6 D* --> 128Te52 + 36S16 + 123.702 MeV [39.096 MeV]
(A_Sm:1362)
152Sm62 + 6 D* --> 130Te52 + 34S16 + 121.329 MeV [36.724 MeV]
(A_Sm:1363)
152Sm62 + 6 D* --> 134Xe54 + 30Si14 + 116.603 MeV [31.998 MeV]
(A_Sm:1364)
152Sm62 + 6 D* --> 136Xe54 + 28Si14 + 111.964 MeV [27.358 MeV]
(A_Sm:1365)
152Sm62 + 6 D* --> 138Ba56 + 26Mg12 + 108.522 MeV [23.917 MeV]
(A_Sm:1366)
152Sm62 + 6 D* --> 142Ce58 + 22Ne10 + 96.609 MeV [12.004 MeV]
(A_Sm:1367)
152Sm62 + 6 D* --> 146Nd60 + 18O8 + 85.758 MeV [1.153 MeV]
(A_Sm:1368)

152Sm62 + 6 D* --> 148Nd60 + 16O8 + 86.196 MeV [1.591 MeV]
(A_Sm:1369)
152Sm62 + 6 D* --> 152Sm62 + 12C6 + 78.814 MeV [-5.791 MeV]
(A_Sm:1370)
152Sm62 + 6 D* --> 153Eu63 + 11B5 + 68.751 MeV [-15.854 MeV]
(A_Sm:1371)
152Sm62 + 6 D* --> 155Gd64 + 9Be4 + 64.775 MeV [-19.830 MeV]
(A_Sm:1372)
152Sm62 + 6 D* --> 160Dy66 + 4He2 + 71.299 MeV [-13.307 MeV]
(A_Sm:1373)
152Sm62 + 6 D* --> 161Dy66 + 3He2 + 57.175 MeV [-27.430 MeV]
(A_Sm:1374)
152Sm62 + 6 D* --> 164Er68 + 69.995 MeV [-14.610 MeV]
(A_Sm:1375)

152Sm62 + 7 D* --> 152Sm62 + 14N7 + 89.087 MeV [-10.689 MeV]
(A_Sm:1376)
152Sm62 + 7 D* --> 153Eu63 + 13C6 + 87.430 MeV [-12.346 MeV]
(A_Sm:1377)
152Sm62 + 7 D* --> 155Gd64 + 11B5 + 80.590 MeV [-19.185 MeV]
(A_Sm:1378)
152Sm62 + 7 D* --> 156Gd64 + 10B5 + 77.673 MeV [-22.103 MeV]
(A_Sm:1379)
152Sm62 + 7 D* --> 160Dy66 + 6Li3 + 72.773 MeV [-27.003 MeV]
(A_Sm:1380)
152Sm62 + 7 D* --> 164Er68 + 2H1 + 69.995 MeV [-29.780 MeV]
(A_Sm:1381)

152Sm62 + 8 D* --> 86Kr36 + 82Se34 + 191.177 MeV [75.932 MeV]
(A_Sm:1382)
152Sm62 + 8 D* --> 120Sn50 + 48Ca20 + 165.636 MeV [50.391 MeV]
(A_Sm:1383)
152Sm62 + 8 D* --> 122Sn50 + 46Ca20 + 163.398 MeV [48.153 MeV]
(A_Sm:1384)
152Sm62 + 8 D* --> 124Sn50 + 44Ca20 + 160.022 MeV [44.777 MeV]
(A_Sm:1385)
152Sm62 + 8 D* --> 128Te52 + 40Ar18 + 154.349 MeV [39.104 MeV]
(A_Sm:1386)
152Sm62 + 8 D* --> 130Te52 + 38Ar18 + 152.383 MeV [37.138 MeV]
(A_Sm:1387)
152Sm62 + 8 D* --> 132Xe54 + 36S16 + 150.262 MeV [35.017 MeV]
(A_Sm:1388)
152Sm62 + 8 D* --> 134Xe54 + 34S16 + 148.373 MeV [33.128 MeV]
(A_Sm:1389)
152Sm62 + 8 D* --> 136Xe54 + 32S16 + 142.758 MeV [27.513 MeV]
(A_Sm:1390)
152Sm62 + 8 D* --> 138Ba56 + 30Si14 + 143.012 MeV [27.767 MeV]
(A_Sm:1391)
152Sm62 + 8 D* --> 142Ce58 + 26Mg12 + 131.070 MeV [15.825 MeV]
(A_Sm:1392)
152Sm62 + 8 D* --> 146Nd60 + 22Ne10 + 119.273 MeV [4.028 MeV]
(A_Sm:1393)
152Sm62 + 8 D* --> 148Nd60 + 20Ne10 + 114.772 MeV [-0.473 MeV]
(A_Sm:1394)

152Sm62 + 8 D* --> 150Sm62 + 18O8 + 108.156 MeV [-7.089 MeV]
(A_Sm:1395)
152Sm62 + 8 D* --> 152Sm62 + 16O8 + 109.823 MeV [-5.422 MeV]
(A_Sm:1396)
152Sm62 + 8 D* --> 153Eu63 + 15N7 + 103.589 MeV [-11.656 MeV]
(A_Sm:1397)
152Sm62 + 8 D* --> 155Gd64 + 13C6 + 99.269 MeV [-15.976 MeV]
(A_Sm:1398)
152Sm62 + 8 D* --> 156Gd64 + 12C6 + 102.859 MeV [-12.386 MeV]
(A_Sm:1399)
152Sm62 + 8 D* --> 164Er68 + 4He2 + 93.842 MeV [-21.403 MeV]
(A_Sm:1400)
152Sm62 + 8 D* --> 168Yb70 + 91.892 MeV [-23.353 MeV]
(A_Sm:1401)

152Sm62 + 9 D* --> 130Te52 + 40K19 + 164.339 MeV [33.328 MeV]
(A_Sm:1402)
152Sm62 + 9 D* --> 153Eu63 + 17O8 + 117.635 MeV [-13.377 MeV]
(A_Sm:1403)
152Sm62 + 9 D* --> 155Gd64 + 15N7 + 115.428 MeV [-15.583 MeV]
(A_Sm:1404)
152Sm62 + 9 D* --> 156Gd64 + 14N7 + 113.132 MeV [-17.880 MeV]
(A_Sm:1405)
152Sm62 + 9 D* --> 160Dy66 + 10B5 + 101.080 MeV [-29.932 MeV]
(A_Sm:1406)
152Sm62 + 9 D* --> 164Er68 + 6Li3 + 95.316 MeV [-35.696 MeV]
(A_Sm:1407)
152Sm62 + 9 D* --> 168Yb70 + 2H1 + 91.892 MeV [-39.120 MeV]
(A_Sm:1408)

152Sm62 + 10 D* --> 86Kr36 + 86Kr36 + 223.120 MeV [76.046 MeV]
(A_Sm:1409)
152Sm62 + 10 D* --> 96Zr40 + 76Ge32 + 215.244 MeV [68.171 MeV]
(A_Sm:1410)
152Sm62 + 10 D* --> 122Sn50 + 50Ti22 + 197.961 MeV [50.887 MeV]
(A_Sm:1411)
152Sm62 + 10 D* --> 124Sn50 + 48Ti22 + 193.313 MeV [46.239 MeV]
(A_Sm:1412)
152Sm62 + 10 D* --> 124Te52 + 48Ca20 + 191.327 MeV [44.254 MeV]
(A_Sm:1413)
152Sm62 + 10 D* --> 126Te52 + 46Ca20 + 189.788 MeV [42.715 MeV]
(A_Sm:1414)
152Sm62 + 10 D* --> 128Te52 + 44Ca20 + 187.049 MeV [39.975 MeV]
(A_Sm:1415)
152Sm62 + 10 D* --> 130Te52 + 42Ca20 + 182.487 MeV [35.413 MeV]
(A_Sm:1416)
152Sm62 + 10 D* --> 132Xe54 + 40Ar18 + 180.909 MeV [33.835 MeV]
(A_Sm:1417)
152Sm62 + 10 D* --> 134Xe54 + 38Ar18 + 179.427 MeV [32.354 MeV]
(A_Sm:1418)
152Sm62 + 10 D* --> 136Xe54 + 36Ar18 + 173.245 MeV [26.172 MeV]
(A_Sm:1419)
152Sm62 + 10 D* --> 136Ba56 + 36S16 + 176.139 MeV [29.066 MeV]
(A_Sm:1420)

152Sm62 + 10 D* --> 138Ba56 + 34S16 + 174.782 MeV [27.708 MeV]
(A_Sm:1421)
152Sm62 + 10 D* --> 142Ce58 + 30Si14 + 165.560 MeV [18.486 MeV]
(A_Sm:1422)
152Sm62 + 10 D* --> 146Nd60 + 26Mg12 + 153.734 MeV [6.661 MeV]
(A_Sm:1423)
152Sm62 + 10 D* --> 148Nd60 + 24Mg12 + 147.935 MeV [00.862 MeV]
(A_Sm:1424)
152Sm62 + 10 D* --> 150Sm62 + 22Ne10 + 141.671 MeV [-5.403 MeV]
(A_Sm:1425)
152Sm62 + 10 D* --> 152Sm62 + 20Ne10 + 138.399 MeV [-8.674 MeV]
(A_Sm:1426)
152Sm62 + 10 D* --> 153Eu63 + 19F9 + 131.449 MeV [-15.624 MeV]
(A_Sm:1427)
152Sm62 + 10 D* --> 154Gd64 + 18O8 + 131.083 MeV [-15.990 MeV]
(A_Sm:1428)
152Sm62 + 10 D* --> 155Gd64 + 17O8 + 129.474 MeV [-17.599 MeV]
(A_Sm:1429)
152Sm62 + 10 D* --> 156Gd64 + 16O8 + 133.868 MeV [-13.206 MeV]
(A_Sm:1430)
152Sm62 + 10 D* --> 160Dy66 + 12C6 + 126.267 MeV [-20.807 MeV]
(A_Sm:1431)
152Sm62 + 10 D* --> 168Yb70 + 4He2 + 115.738 MeV [-31.335 MeV]
(A_Sm:1432)

152Sm62 + 11 D* --> 124Sn50 + 50V23 + 207.182 MeV [43.754 MeV]
(A_Sm:1433)
152Sm62 + 11 D* --> 134Xe54 + 40K19 + 191.384 MeV [27.955 MeV]
(A_Sm:1434)
152Sm62 + 11 D* --> 137Ba56 + 37Cl17 + 189.207 MeV [25.778 MeV]
(A_Sm:1435)
152Sm62 + 11 D* --> 138La57 + 36S16 + 186.913 MeV [23.484 MeV]
(A_Sm:1436)
152Sm62 + 11 D* --> 153Eu63 + 21Ne10 + 148.829 MeV [-14.599 MeV]
(A_Sm:1437)
152Sm62 + 11 D* --> 155Gd64 + 19F9 + 143.289 MeV [-20.140 MeV]
(A_Sm:1438)
152Sm62 + 11 D* --> 160Dy66 + 14N7 + 136.539 MeV [-26.890 MeV]
(A_Sm:1439)
152Sm62 + 11 D* --> 164Er68 + 10B5 + 123.623 MeV [-39.806 MeV]
(A_Sm:1440)
152Sm62 + 11 D* --> 168Yb70 + 6Li3 + 117.212 MeV [-46.217 MeV]
(A_Sm:1441)

152Sm62 + 12 D* --> 94Zr40 + 82Se34 + 247.721 MeV [67.646 MeV]
(A_Sm:1442)
152Sm62 + 12 D* --> 96Zr40 + 80Se34 + 246.063 MeV [65.988 MeV]
(A_Sm:1443)
152Sm62 + 12 D* --> 100Mo42 + 76Ge32 + 242.257 MeV [62.183 MeV]
(A_Sm:1444)
152Sm62 + 12 D* --> 122Sn50 + 54Cr24 + 229.738 MeV [49.664 MeV]
(A_Sm:1445)
152Sm62 + 12 D* --> 124Sn50 + 52Cr24 + 226.514 MeV [46.439 MeV]
(A_Sm:1446)

152Sm62 + 12 D* --> 126Te52 + 50Ti22 + 224.351 MeV [44.277 MeV]
(A_Sm:1447)
152Sm62 + 12 D* --> 128Te52 + 48Ti22 + 220.340 MeV [40.265 MeV]
(A_Sm:1448)
152Sm62 + 12 D* --> 130Te52 + 46Ti22 + 214.335 MeV [34.260 MeV]
(A_Sm:1449)
152Sm62 + 12 D* --> 128Xe54 + 48Ca20 + 216.934 MeV [36.860 MeV]
(A_Sm:1450)
152Sm62 + 12 D* --> 130Xe54 + 46Ca20 + 215.877 MeV [35.802 MeV]
(A_Sm:1451)
152Sm62 + 12 D* --> 132Xe54 + 44Ca20 + 213.609 MeV [33.534 MeV]
(A_Sm:1452)
152Sm62 + 12 D* --> 134Xe54 + 42Ca20 + 209.531 MeV [29.457 MeV]
(A_Sm:1453)
152Sm62 + 12 D* --> 136Xe54 + 40Ca20 + 204.131 MeV [24.057 MeV]
(A_Sm:1454)
152Sm62 + 12 D* --> 136Ba56 + 40Ar18 + 206.787 MeV [26.712 MeV]
(A_Sm:1455)
152Sm62 + 12 D* --> 138Ba56 + 38Ar18 + 205.836 MeV [25.762 MeV]
(A_Sm:1456)
152Sm62 + 12 D* --> 139La57 + 37Cl17 + 201.853 MeV [21.778 MeV]
(A_Sm:1457)
152Sm62 + 12 D* --> 140Ce58 + 36S16 + 201.607 MeV [21.533 MeV]
(A_Sm:1458)
152Sm62 + 12 D* --> 142Ce58 + 34S16 + 197.330 MeV [17.256 MeV]
(A_Sm:1459)
152Sm62 + 12 D* --> 146Nd60 + 30Si14 + 188.224 MeV [8.149 MeV]
(A_Sm:1460)
152Sm62 + 12 D* --> 148Nd60 + 28Si14 + 181.766 MeV [1.692 MeV]
(A_Sm:1461)
152Sm62 + 12 D* --> 150Sm62 + 26Mg12 + 176.132 MeV [-3.943 MeV]
(A_Sm:1462)
152Sm62 + 12 D* --> 152Sm62 + 24Mg12 + 171.562 MeV [-8.512 MeV]
(A_Sm:1463)
152Sm62 + 12 D* --> 153Eu63 + 23Na11 + 165.763 MeV [-14.311 MeV]
(A_Sm:1464)
152Sm62 + 12 D* --> 154Gd64 + 22Ne10 + 164.598 MeV [-15.477 MeV]
(A_Sm:1465)
152Sm62 + 12 D* --> 155Gd64 + 21Ne10 + 160.669 MeV [-19.406 MeV]
(A_Sm:1466)
152Sm62 + 12 D* --> 156Gd64 + 20Ne10 + 162.444 MeV [-17.631 MeV]
(A_Sm:1467)
152Sm62 + 12 D* --> 158Dy66 + 18O8 + 154.054 MeV [-26.021 MeV]
(A_Sm:1468)
152Sm62 + 12 D* --> 160Dy66 + 16O8 + 157.275 MeV [-22.800 MeV]
(A_Sm:1469)
152Sm62 + 12 D* --> 164Er68 + 12C6 + 148.809 MeV [-31.265 MeV]
(A_Sm:1470)

154Sm62 + D* --> 150Nd60 + 6Li3 + 00.277 MeV [-12.991 MeV]
(A_Sm:1471)

154Sm62 + 2 D* --> 136Xe54 + 22Ne10 + 48.260 MeV [21.410 MeV]
(A_Sm:1472)

154Sm62 + 2 D* --> 154Sm62 + 4He2 + 23.847 MeV [-3.003 MeV]
(A_Sm:1473)
154Sm62 + 2 D* --> 158Gd64 + 24.507 MeV [-2.343 MeV]
(A_Sm:1474)

154Sm62 + 3 D* --> 150Nd60 + 10B5 + 28.585 MeV [-12.158 MeV]
(A_Sm:1475)
154Sm62 + 3 D* --> 154Sm62 + 6Li3 + 25.320 MeV [-15.422 MeV]
(A_Sm:1476)
154Sm62 + 3 D* --> 158Gd64 + 2H1 + 24.507 MeV [-16.236 MeV]
(A_Sm:1477)

154Sm62 + 4 D* --> 136Xe54 + 26Mg12 + 82.721 MeV [27.777 MeV]
(A_Sm:1478)
154Sm62 + 4 D* --> 150Nd60 + 12C6 + 53.771 MeV [-1.173 MeV]
(A_Sm:1479)
154Sm62 + 4 D* --> 158Gd64 + 4He2 + 48.353 MeV [-6.591 MeV]
(A_Sm:1480)
154Sm62 + 4 D* --> 162Dy66 + 48.268 MeV [-6.676 MeV]
(A_Sm:1481)

154Sm62 + 5 D* --> 150Nd60 + 14N7 + 64.043 MeV [-5.409 MeV]
(A_Sm:1482)
154Sm62 + 5 D* --> 154Sm62 + 10B5 + 53.628 MeV [-15.824 MeV]
(A_Sm:1483)
154Sm62 + 5 D* --> 157Gd64 + 7Li3 + 49.140 MeV [-20.313 MeV]
(A_Sm:1484)
154Sm62 + 5 D* --> 158Gd64 + 6Li3 + 49.827 MeV [-19.625 MeV]
(A_Sm:1485)
154Sm62 + 5 D* --> 162Dy66 + 2H1 + 48.268 MeV [-21.184 MeV]
(A_Sm:1486)
154Sm62 + 5 D* --> 163Dy66 + 1H1 + 52.315 MeV [-17.138 MeV]
(A_Sm:1487)

154Sm62 + 6 D* --> 130Te52 + 36S16 + 124.368 MeV [40.104 MeV]
(A_Sm:1488)
154Sm62 + 6 D* --> 136Xe54 + 30Si14 + 117.211 MeV [32.947 MeV]
(A_Sm:1489)
154Sm62 + 6 D* --> 148Nd60 + 18O8 + 84.548 MeV [00.284 MeV]
(A_Sm:1490)
154Sm62 + 6 D* --> 150Nd60 + 16O8 + 84.779 MeV [00.515 MeV]
(A_Sm:1491)
154Sm62 + 6 D* --> 154Sm62 + 12C6 + 78.814 MeV [-5.450 MeV]
(A_Sm:1492)
154Sm62 + 6 D* --> 157Gd64 + 9Be4 + 65.836 MeV [-18.428 MeV]
(A_Sm:1493)
154Sm62 + 6 D* --> 159Tb65 + 7Li3 + 60.984 MeV [-23.280 MeV]
(A_Sm:1494)
154Sm62 + 6 D* --> 162Dy66 + 4He2 + 72.115 MeV [-12.149 MeV]
(A_Sm:1495)
154Sm62 + 6 D* --> 163Dy66 + 3He2 + 57.808 MeV [-26.456 MeV]
(A_Sm:1496)
154Sm62 + 6 D* --> 165Ho67 + 1H1 + 63.968 MeV [-20.296 MeV]
(A_Sm:1497)

154Sm62 + 6 D* --> 166Er68 + 71.284 MeV [-12.980 MeV]
(A_Sm:1498)

154Sm62 + 7 D* --> 154Sm62 + 14N7 + 89.087 MeV [-10.291 MeV]
(A_Sm:1499)
154Sm62 + 7 D* --> 157Gd64 + 11B5 + 81.651 MeV [-17.727 MeV]
(A_Sm:1500)
154Sm62 + 7 D* --> 158Gd64 + 10B5 + 78.134 MeV [-21.243 MeV]
(A_Sm:1501)
154Sm62 + 7 D* --> 159Tb65 + 9Be4 + 77.680 MeV [-21.698 MeV]
(A_Sm:1502)
154Sm62 + 7 D* --> 161Dy66 + 7Li3 + 72.641 MeV [-26.736 MeV]
(A_Sm:1503)
154Sm62 + 7 D* --> 162Dy66 + 6Li3 + 73.588 MeV [-25.789 MeV]
(A_Sm:1504)
154Sm62 + 7 D* --> 165Ho67 + 3He2 + 69.462 MeV [-29.916 MeV]
(A_Sm:1505)
154Sm62 + 7 D* --> 166Er68 + 2H1 + 71.284 MeV [-28.094 MeV]
(A_Sm:1506)
154Sm62 + 7 D* --> 167Er68 + 1H1 + 75.496 MeV [-23.882 MeV]
(A_Sm:1507)

154Sm62 + 8 D* --> 122Sn50 + 48Ca20 + 166.784 MeV [51.993 MeV]
(A_Sm:1508)
154Sm62 + 8 D* --> 124Sn50 + 46Ca20 + 163.996 MeV [49.205 MeV]
(A_Sm:1509)
154Sm62 + 8 D* --> 130Te52 + 40Ar18 + 155.015 MeV [40.224 MeV]
(A_Sm:1510)
154Sm62 + 8 D* --> 134Xe54 + 36S16 + 151.413 MeV [36.622 MeV]
(A_Sm:1511)
154Sm62 + 8 D* --> 136Xe54 + 34S16 + 148.981 MeV [34.190 MeV]
(A_Sm:1512)
154Sm62 + 8 D* --> 148Nd60 + 22Ne10 + 118.062 MeV [3.271 MeV]
(A_Sm:1513)
154Sm62 + 8 D* --> 150Nd60 + 20Ne10 + 113.356 MeV [-1.435 MeV]
(A_Sm:1514)
154Sm62 + 8 D* --> 152Sm62 + 18O8 + 108.174 MeV [-6.617 MeV]
(A_Sm:1515)
154Sm62 + 8 D* --> 154Sm62 + 16O8 + 109.823 MeV [-4.968 MeV]
(A_Sm:1516)
154Sm62 + 8 D* --> 157Gd64 + 13C6 + 100.330 MeV [-14.461 MeV]
(A_Sm:1517)
154Sm62 + 8 D* --> 158Gd64 + 12C6 + 103.321 MeV [-11.470 MeV]
(A_Sm:1518)
154Sm62 + 8 D* --> 159Tb65 + 11B5 + 93.495 MeV [-21.296 MeV]
(A_Sm:1519)
154Sm62 + 8 D* --> 161Dy66 + 9Be4 + 89.338 MeV [-25.454 MeV]
(A_Sm:1520)
154Sm62 + 8 D* --> 166Er68 + 4He2 + 95.131 MeV [-19.660 MeV]
(A_Sm:1521)
154Sm62 + 8 D* --> 167Er68 + 3He2 + 80.990 MeV [-33.802 MeV]
(A_Sm:1522)
154Sm62 + 8 D* --> 169Tm69 + 1H1 + 86.615 MeV [-28.176 MeV]
(A_Sm:1523)

154Sm62 + 8 D* --> 170Yb70 + 93.393 MeV [-21.398 MeV]
(A_Sm:1524)

154Sm62 + 9 D* --> 157Gd64 + 15N7 + 116.489 MeV [-14.013 MeV]
(A_Sm:1525)
154Sm62 + 9 D* --> 158Gd64 + 14N7 + 113.593 MeV [-16.909 MeV]
(A_Sm:1526)
154Sm62 + 9 D* --> 159Tb65 + 13C6 + 112.174 MeV [-18.328 MeV]
(A_Sm:1527)
154Sm62 + 9 D* --> 161Dy66 + 11B5 + 105.153 MeV [-25.349 MeV]
(A_Sm:1528)
154Sm62 + 9 D* --> 162Dy66 + 10B5 + 101.896 MeV [-28.606 MeV]
(A_Sm:1529)
154Sm62 + 9 D* --> 166Er68 + 6Li3 + 96.605 MeV [-33.897 MeV]
(A_Sm:1530)
154Sm62 + 9 D* --> 169Tm69 + 3He2 + 92.109 MeV [-38.393 MeV]
(A_Sm:1531)
154Sm62 + 9 D* --> 170Yb70 + 2H1 + 93.393 MeV [-37.109 MeV]
(A_Sm:1532)
154Sm62 + 9 D* --> 171Yb70 + 1H1 + 97.783 MeV [-32.719 MeV]
(A_Sm:1533)

154Sm62 + 10 D* --> 124Sn50 + 50Ti22 + 198.559 MeV [52.051 MeV]
(A_Sm:1534)
154Sm62 + 10 D* --> 126Te52 + 48Ca20 + 193.174 MeV [46.666 MeV]
(A_Sm:1535)
154Sm62 + 10 D* --> 128Te52 + 46Ca20 + 191.023 MeV [44.515 MeV]
(A_Sm:1536)
154Sm62 + 10 D* --> 130Te52 + 44Ca20 + 187.716 MeV [41.208 MeV]
(A_Sm:1537)
154Sm62 + 10 D* --> 134Xe54 + 40Ar18 + 182.060 MeV [35.552 MeV]
(A_Sm:1538)
154Sm62 + 10 D* --> 136Xe54 + 38Ar18 + 180.035 MeV [33.527 MeV]
(A_Sm:1539)
154Sm62 + 10 D* --> 138Ba56 + 36S16 + 177.821 MeV [31.313 MeV]
(A_Sm:1540)
154Sm62 + 10 D* --> 148Nd60 + 26Mg12 + 152.524 MeV [6.016 MeV]
(A_Sm:1541)
154Sm62 + 10 D* --> 150Nd60 + 24Mg12 + 146.519 MeV [00.011 MeV]
(A_Sm:1542)
154Sm62 + 10 D* --> 152Sm62 + 22Ne10 + 141.689 MeV [-4.819 MeV]
(A_Sm:1543)
154Sm62 + 10 D* --> 154Sm62 + 20Ne10 + 138.399 MeV [-8.109 MeV]
(A_Sm:1544)
154Sm62 + 10 D* --> 156Gd64 + 18O8 + 132.219 MeV [-14.289 MeV]
(A_Sm:1545)
154Sm62 + 10 D* --> 157Gd64 + 17O8 + 130.535 MeV [-15.973 MeV]
(A_Sm:1546)
154Sm62 + 10 D* --> 158Gd64 + 16O8 + 134.329 MeV [-12.179 MeV]
(A_Sm:1547)
154Sm62 + 10 D* --> 159Tb65 + 15N7 + 128.333 MeV [-18.175 MeV]
(A_Sm:1548)
154Sm62 + 10 D* --> 161Dy66 + 13C6 + 123.832 MeV [-22.676 MeV]
(A_Sm:1549)

154Sm62 + 10 D* --> 162Dy66 + 12C6 + 127.082 MeV [-19.425 MeV]
(A_Sm:1550)
154Sm62 + 10 D* --> 170Yb70 + 4He2 + 117.240 MeV [-29.268 MeV]
(A_Sm:1551)
154Sm62 + 10 D* --> 171Yb70 + 3He2 + 103.277 MeV [-43.231 MeV]
(A_Sm:1552)
154Sm62 + 10 D* --> 174Hf72 + 114.742 MeV [-31.766 MeV]
(A_Sm:1553)

154Sm62 + 11 D* --> 136Xe54 + 40K19 + 191.992 MeV [29.185 MeV]
(A_Sm:1554)
154Sm62 + 11 D* --> 157Gd64 + 19F9 + 144.349 MeV [-18.458 MeV]
(A_Sm:1555)
154Sm62 + 11 D* --> 159Tb65 + 17O8 + 142.379 MeV [-20.428 MeV]
(A_Sm:1556)
154Sm62 + 11 D* --> 161Dy66 + 15N7 + 139.991 MeV [-22.816 MeV]
(A_Sm:1557)
154Sm62 + 11 D* --> 162Dy66 + 14N7 + 137.355 MeV [-25.452 MeV]
(A_Sm:1558)
154Sm62 + 11 D* --> 166Er68 + 10B5 + 124.912 MeV [-37.895 MeV]
(A_Sm:1559)
154Sm62 + 11 D* --> 170Yb70 + 6Li3 + 118.714 MeV [-44.094 MeV]
(A_Sm:1560)
154Sm62 + 11 D* --> 174Hf72 + 2H1 + 114.742 MeV [-48.065 MeV]
(A_Sm:1561)

154Sm62 + 12 D* --> 96Zr40 + 82Se34 + 248.204 MeV [68.806 MeV]
(A_Sm:1562)
154Sm62 + 12 D* --> 124Sn50 + 54Cr24 + 230.336 MeV [50.939 MeV]
(A_Sm:1563)
154Sm62 + 12 D* --> 128Te52 + 50Ti22 + 225.586 MeV [46.188 MeV]
(A_Sm:1564)
154Sm62 + 12 D* --> 130Te52 + 48Ti22 + 221.006 MeV [41.609 MeV]
(A_Sm:1565)
154Sm62 + 12 D* --> 130Xe54 + 48Ca20 + 219.263 MeV [39.865 MeV]
(A_Sm:1566)
154Sm62 + 12 D* --> 132Xe54 + 46Ca20 + 217.583 MeV [38.185 MeV]
(A_Sm:1567)
154Sm62 + 12 D* --> 134Xe54 + 44Ca20 + 214.760 MeV [35.362 MeV]
(A_Sm:1568)
154Sm62 + 12 D* --> 136Xe54 + 42Ca20 + 210.139 MeV [30.742 MeV]
(A_Sm:1569)
154Sm62 + 12 D* --> 138Ba56 + 40Ar18 + 208.469 MeV [29.071 MeV]
(A_Sm:1570)
154Sm62 + 12 D* --> 142Ce58 + 36S16 + 200.370 MeV [20.972 MeV]
(A_Sm:1571)
154Sm62 + 12 D* --> 148Nd60 + 30Si14 + 187.013 MeV [7.616 MeV]
(A_Sm:1572)
154Sm62 + 12 D* --> 150Nd60 + 28Si14 + 180.350 MeV [00.952 MeV]
(A_Sm:1573)
154Sm62 + 12 D* --> 152Sm62 + 26Mg12 + 176.150 MeV [-3.247 MeV]
(A_Sm:1574)
154Sm62 + 12 D* --> 154Sm62 + 24Mg12 + 171.562 MeV [-7.835 MeV]
(A_Sm:1575)

154Sm62 + 12 D* --> 156Gd64 + 22Ne10 + 165.734 MeV [-13.664 MeV]
(A_Sm:1576)
154Sm62 + 12 D* --> 157Gd64 + 21Ne10 + 161.730 MeV [-17.668 MeV]
(A_Sm:1577)
154Sm62 + 12 D* --> 158Gd64 + 20Ne10 + 162.906 MeV [-16.492 MeV]
(A_Sm:1578)
154Sm62 + 12 D* --> 159Tb65 + 19F9 + 156.194 MeV [-23.204 MeV]
(A_Sm:1579)
154Sm62 + 12 D* --> 160Dy66 + 18O8 + 155.627 MeV [-23.771 MeV]
(A_Sm:1580)
154Sm62 + 12 D* --> 161Dy66 + 17O8 + 154.037 MeV [-25.361 MeV]
(A_Sm:1581)
154Sm62 + 12 D* --> 162Dy66 + 16O8 + 158.091 MeV [-21.307 MeV]
(A_Sm:1582)
154Sm62 + 12 D* --> 166Er68 + 12C6 + 150.099 MeV [-29.299 MeV]
(A_Sm:1583)
154Sm62 + 12 D* --> 174Hf72 + 4He2 + 138.589 MeV [-40.809 MeV]
(A_Sm:1584)

---------- Equations follow for Europium, Eu, element 63 ----------

151Eu63 + D* --> 124Sn50 + 29Si14 + 48.608 MeV [35.039 MeV] (A_Eu:1)
151Eu63 + D* --> 128Te52 + 25Mg12 + 40.662 MeV [27.092 MeV] (A_Eu:2)
151Eu63 + D* --> 131Xe54 + 22Ne10 + 34.917 MeV [21.347 MeV] (A_Eu:3)
151Eu63 + D* --> 132Xe54 + 21Ne10 + 33.489 MeV [19.919 MeV] (A_Eu:4)
151Eu63 + D* --> 135Ba56 + 18O8 + 27.109 MeV [13.539 MeV] (A_Eu:5)
151Eu63 + D* --> 136Ba56 + 17O8 + 28.172 MeV [14.603 MeV] (A_Eu:6)
151Eu63 + D* --> 137Ba56 + 16O8 + 30.935 MeV [17.365 MeV] (A_Eu:7)
151Eu63 + D* --> 138La57 + 15N7 + 24.900 MeV [11.330 MeV] (A_Eu:8)
151Eu63 + D* --> 139La57 + 14N7 + 22.845 MeV [9.275 MeV] (A_Eu:9)
151Eu63 + D* --> 140Ce58 + 13C6 + 23.435 MeV [9.865 MeV] (A_Eu:10)
151Eu63 + D* --> 144Nd60 + 9Be4 + 10.882 MeV [-2.687 MeV] (A_Eu:11)
151Eu63 + D* --> 149Sm62 + 4He2 + 13.194 MeV [-0.376 MeV] (A_Eu:12)
151Eu63 + D* --> 150Sm62 + 3He2 + 00.603 MeV [-12.967 MeV] (A_Eu:13)

151Eu63 + 2 D* --> 124Sn50 + 31P15 + 64.290 MeV [36.839 MeV] (A_Eu:14)
151Eu63 + 2 D* --> 128Te52 + 27Al13 + 57.801 MeV [30.350 MeV] (A_Eu:15)
151Eu63 + 2 D* --> 132Xe54 + 23Na11 + 50.423 MeV [22.972 MeV] (A_Eu:16)
151Eu63 + 2 D* --> 133Cs55 + 22Ne10 + 47.708 MeV [20.257 MeV] (A_Eu:17)
151Eu63 + 2 D* --> 136Ba56 + 19F9 + 41.987 MeV [14.536 MeV] (A_Eu:18)
151Eu63 + 2 D* --> 138La57 + 17O8 + 38.946 MeV [11.495 MeV] (A_Eu:19)
151Eu63 + 2 D* --> 139La57 + 16O8 + 43.581 MeV [16.130 MeV] (A_Eu:20)
151Eu63 + 2 D* --> 140Ce58 + 15N7 + 39.594 MeV [12.144 MeV] (A_Eu:21)
151Eu63 + 2 D* --> 144Nd60 + 11B5 + 26.698 MeV [-0.753 MeV] (A_Eu:22)
151Eu63 + 2 D* --> 145Nd60 + 10B5 + 20.999 MeV [-6.452 MeV] (A_Eu:23)
151Eu63 + 2 D* --> 148Sm62 + 7Li3 + 16.046 MeV [-11.404 MeV] (A_Eu:24)
151Eu63 + 2 D* --> 149Sm62 + 6Li3 + 14.667 MeV [-12.783 MeV] (A_Eu:25)
151Eu63 + 2 D* --> 151Eu63 + 4He2 + 23.847 MeV [-3.604 MeV] (A_Eu:26)
151Eu63 + 2 D* --> 154Gd64 + 1H1 + 18.037 MeV [-9.414 MeV] (A_Eu:27)

151Eu63 + 3 D* --> 124Sn50 + 33S16 + 79.571 MeV [37.930 MeV] (A_Eu:28)
151Eu63 + 3 D* --> 128Te52 + 29Si14 + 75.635 MeV [33.994 MeV] (A_Eu:29)
151Eu63 + 3 D* --> 131Xe54 + 26Mg12 + 69.378 MeV [27.737 MeV] (A_Eu:30)
151Eu63 + 3 D* --> 132Xe54 + 25Mg12 + 67.221 MeV [25.580 MeV] (A_Eu:31)

151Eu63 + 3 D* --> 135Ba56 + 22Ne10 + 60.623 MeV [18.982 MeV] (A_Eu:32)
151Eu63 + 3 D* --> 136Ba56 + 21Ne10 + 59.367 MeV [17.726 MeV] (A_Eu:33)
151Eu63 + 3 D* --> 137Ba56 + 20Ne10 + 59.511 MeV [17.870 MeV] (A_Eu:34)
151Eu63 + 3 D* --> 138La57 + 19F9 + 52.760 MeV [11.119 MeV] (A_Eu:35)
151Eu63 + 3 D* --> 140Ce58 + 17O8 + 53.640 MeV [11.999 MeV] (A_Eu:36)
151Eu63 + 3 D* --> 144Nd60 + 13C6 + 45.376 MeV [3.735 MeV] (A_Eu:37)
151Eu63 + 3 D* --> 145Nd60 + 12C6 + 46.185 MeV [4.544 MeV] (A_Eu:38)
151Eu63 + 3 D* --> 148Sm62 + 9Be4 + 32.743 MeV [-8.898 MeV] (A_Eu:39)
151Eu63 + 3 D* --> 151Eu63 + 6Li3 + 25.320 MeV [-16.321 MeV] (A_Eu:40)
151Eu63 + 3 D* --> 154Gd64 + 3He2 + 23.530 MeV [-18.111 MeV] (A_Eu:41)

151Eu63 + 4 D* --> 122Sn50 + 37Cl17 + 99.591 MeV [43.453 MeV] (A_Eu:42)
151Eu63 + 4 D* --> 124Sn50 + 35Cl17 + 95.134 MeV [38.996 MeV] (A_Eu:43)
151Eu63 + 4 D* --> 123Sb51 + 36S16 + 97.772 MeV [41.634 MeV] (A_Eu:44)
151Eu63 + 4 D* --> 128Te52 + 31P15 + 91.317 MeV [35.179 MeV] (A_Eu:45)
151Eu63 + 4 D* --> 132Xe54 + 27Al13 + 84.361 MeV [28.223 MeV] (A_Eu:46)
151Eu63 + 4 D* --> 133Cs55 + 26Mg12 + 82.169 MeV [26.031 MeV] (A_Eu:47)
151Eu63 + 4 D* --> 136Ba56 + 23Na11 + 76.301 MeV [20.163 MeV] (A_Eu:48)
151Eu63 + 4 D* --> 138La57 + 21Ne10 + 70.140 MeV [14.002 MeV] (A_Eu:49)
151Eu63 + 4 D* --> 139La57 + 20Ne10 + 72.157 MeV [16.019 MeV] (A_Eu:50)
151Eu63 + 4 D* --> 140Ce58 + 19F9 + 67.454 MeV [11.316 MeV] (A_Eu:51)
151Eu63 + 4 D* --> 141Pr59 + 18O8 + 64.686 MeV [8.548 MeV] (A_Eu:52)
151Eu63 + 4 D* --> 144Nd60 + 15N7 + 61.536 MeV [5.397 MeV] (A_Eu:53)
151Eu63 + 4 D* --> 145Nd60 + 14N7 + 56.458 MeV [00.319 MeV] (A_Eu:54)
151Eu63 + 4 D* --> 148Sm62 + 11B5 + 48.558 MeV [-7.580 MeV] (A_Eu:55)
151Eu63 + 4 D* --> 149Sm62 + 10B5 + 42.975 MeV [-13.163 MeV] (A_Eu:56)
151Eu63 + 4 D* --> 152Gd64 + 7Li3 + 37.690 MeV [-18.448 MeV] (A_Eu:57)
151Eu63 + 4 D* --> 158Dy66 + 1H1 + 41.007 MeV [-15.131 MeV] (A_Eu:58)

151Eu63 + 5 D* --> 113Cd48 + 48Ca20 + 124.283 MeV [53.343 MeV] (A_Eu:59)
151Eu63 + 5 D* --> 125Te52 + 36S16 + 110.706 MeV [39.766 MeV] (A_Eu:60)
151Eu63 + 5 D* --> 128Te52 + 33S16 + 106.598 MeV [35.658 MeV] (A_Eu:61)
151Eu63 + 5 D* --> 131Xe54 + 30Si14 + 103.868 MeV [32.928 MeV] (A_Eu:62)
151Eu63 + 5 D* --> 132Xe54 + 29Si14 + 102.195 MeV [31.255 MeV] (A_Eu:63)
151Eu63 + 5 D* --> 135Ba56 + 26Mg12 + 95.085 MeV [24.145 MeV] (A_Eu:64)
151Eu63 + 5 D* --> 136Ba56 + 25Mg12 + 93.099 MeV [22.160 MeV] (A_Eu:65)
151Eu63 + 5 D* --> 137Ba56 + 24Mg12 + 92.674 MeV [21.735 MeV] (A_Eu:66)
151Eu63 + 5 D* --> 138La57 + 23Na11 + 87.074 MeV [16.134 MeV] (A_Eu:67)
151Eu63 + 5 D* --> 140Ce58 + 21Ne10 + 84.835 MeV [13.895 MeV] (A_Eu:68)
151Eu63 + 5 D* --> 143Nd60 + 18O8 + 75.808 MeV [4.869 MeV] (A_Eu:69)
151Eu63 + 5 D* --> 144Nd60 + 17O8 + 75.581 MeV [4.642 MeV] (A_Eu:70)
151Eu63 + 5 D* --> 145Nd60 + 16O8 + 77.194 MeV [6.254 MeV] (A_Eu:71)
151Eu63 + 5 D* --> 148Sm62 + 13C6 + 67.237 MeV [-3.703 MeV] (A_Eu:72)
151Eu63 + 5 D* --> 149Sm62 + 12C6 + 68.161 MeV [-2.778 MeV] (A_Eu:73)
151Eu63 + 5 D* --> 151Eu63 + 10B5 + 53.628 MeV [-17.312 MeV] (A_Eu:74)
151Eu63 + 5 D* --> 152Gd64 + 9Be4 + 54.386 MeV [-16.554 MeV] (A_Eu:75)
151Eu63 + 5 D* --> 158Dy66 + 3He2 + 46.500 MeV [-24.439 MeV] (A_Eu:76)

151Eu63 + 6 D* --> 82Se34 + 81Br35 + 159.724 MeV [73.681 MeV] (A_Eu:77)
151Eu63 + 6 D* --> 87Rb37 + 76Ge32 + 161.966 MeV [75.923 MeV] (A_Eu:78)
151Eu63 + 6 D* --> 115In49 + 48Ca20 + 137.906 MeV [51.863 MeV] (A_Eu:79)
151Eu63 + 6 D* --> 122Sn50 + 41K19 + 129.660 MeV [43.617 MeV] (A_Eu:80)
151Eu63 + 6 D* --> 124Sn50 + 39K19 + 126.199 MeV [40.156 MeV] (A_Eu:81)
151Eu63 + 6 D* --> 123Sb51 + 40Ar18 + 128.419 MeV [42.376 MeV] (A_Eu:82)

151Eu63 + 6 D* --> 126Te52 + 37Cl17 + 125.981 MeV [39.938 MeV] (A_Eu:83)
151Eu63 + 6 D* --> 128Te52 + 35Cl17 + 122.161 MeV [36.118 MeV] (A_Eu:84)
151Eu63 + 6 D* --> 127I53 + 36S16 + 123.802 MeV [37.759 MeV] (A_Eu:85)
151Eu63 + 6 D* --> 132Xe54 + 31P15 + 117.877 MeV [31.833 MeV] (A_Eu:86)
151Eu63 + 6 D* --> 133Cs55 + 30Si14 + 116.659 MeV [30.616 MeV] (A_Eu:87)
151Eu63 + 6 D* --> 136Ba56 + 27Al13 + 110.239 MeV [24.196 MeV] (A_Eu:88)
151Eu63 + 6 D* --> 138La57 + 25Mg12 + 103.873 MeV [17.830 MeV] (A_Eu:89)
151Eu63 + 6 D* --> 139La57 + 24Mg12 + 105.320 MeV [19.277 MeV] (A_Eu:90)
151Eu63 + 6 D* --> 140Ce58 + 23Na11 + 101.768 MeV [15.725 MeV] (A_Eu:91)
151Eu63 + 6 D* --> 141Pr59 + 22Ne10 + 98.201 MeV [12.158 MeV] (A_Eu:92)
151Eu63 + 6 D* --> 144Nd60 + 19F9 + 89.396 MeV [3.353 MeV] (A_Eu:93)
151Eu63 + 6 D* --> 148Sm62 + 15N7 + 83.396 MeV [-2.647 MeV] (A_Eu:94)
151Eu63 + 6 D* --> 149Sm62 + 14N7 + 78.434 MeV [-7.610 MeV] (A_Eu:95)
151Eu63 + 6 D* --> 151Eu63 + 12C6 + 78.814 MeV [-7.229 MeV] (A_Eu:96)
151Eu63 + 6 D* --> 152Gd64 + 11B5 + 70.202 MeV [-15.842 MeV] (A_Eu:97)
151Eu63 + 6 D* --> 156Dy66 + 7Li3 + 59.777 MeV [-26.266 MeV] (A_Eu:98)
151Eu63 + 6 D* --> 162Er68 + 1H1 + 63.209 MeV [-22.834 MeV] (A_Eu:99)

151Eu63 + 7 D* --> 83Kr36 + 82Se34 + 174.867 MeV [73.420 MeV] (A_Eu:100)
151Eu63 + 7 D* --> 116Cd48 + 49Ti22 + 154.569 MeV [53.122 MeV] (A_Eu:101)
151Eu63 + 7 D* --> 117Sn50 + 48Ca20 + 151.905 MeV [50.458 MeV] (A_Eu:102)
151Eu63 + 7 D* --> 119Sn50 + 46Ca20 + 150.494 MeV [49.048 MeV] (A_Eu:103)
151Eu63 + 7 D* --> 122Sn50 + 43Ca20 + 145.646 MeV [44.199 MeV] (A_Eu:104)
151Eu63 + 7 D* --> 125Te52 + 40Ar18 + 141.353 MeV [39.906 MeV] (A_Eu:105)
151Eu63 + 7 D* --> 129Xe54 + 36S16 + 136.652 MeV [35.206 MeV] (A_Eu:106)
151Eu63 + 7 D* --> 131Xe54 + 34S16 + 135.638 MeV [34.191 MeV] (A_Eu:107)
151Eu63 + 7 D* --> 132Xe54 + 33S16 + 133.157 MeV [31.711 MeV] (A_Eu:108)
151Eu63 + 7 D* --> 135Ba56 + 30Si14 + 129.574 MeV [28.128 MeV] (A_Eu:109)
151Eu63 + 7 D* --> 136Ba56 + 29Si14 + 128.073 MeV [26.626 MeV] (A_Eu:110)
151Eu63 + 7 D* --> 137Ba56 + 28Si14 + 126.505 MeV [25.058 MeV] (A_Eu:111)
151Eu63 + 7 D* --> 138La57 + 27Al13 + 121.012 MeV [19.566 MeV] (A_Eu:112)
151Eu63 + 7 D* --> 140Ce58 + 25Mg12 + 118.567 MeV [17.120 MeV] (A_Eu:113)
151Eu63 + 7 D* --> 143Nd60 + 22Ne10 + 109.323 MeV [7.876 MeV] (A_Eu:114)
151Eu63 + 7 D* --> 144Nd60 + 21Ne10 + 106.776 MeV [5.329 MeV] (A_Eu:115)
151Eu63 + 7 D* --> 145Nd60 + 20Ne10 + 105.770 MeV [4.323 MeV] (A_Eu:116)
151Eu63 + 7 D* --> 147Sm62 + 18O8 + 97.345 MeV [-4.102 MeV] (A_Eu:117)
151Eu63 + 7 D* --> 148Sm62 + 17O8 + 97.442 MeV [-4.005 MeV] (A_Eu:118)
151Eu63 + 7 D* --> 149Sm62 + 16O8 + 99.170 MeV [-2.277 MeV] (A_Eu:119)
151Eu63 + 7 D* --> 151Eu63 + 14N7 + 89.087 MeV [-12.360 MeV] (A_Eu:120)
151Eu63 + 7 D* --> 152Gd64 + 13C6 + 88.880 MeV [-12.567 MeV] (A_Eu:121)
151Eu63 + 7 D* --> 156Dy66 + 9Be4 + 76.473 MeV [-24.974 MeV] (A_Eu:122)
151Eu63 + 7 D* --> 162Er68 + 3He2 + 68.702 MeV [-32.744 MeV] (A_Eu:123)

151Eu63 + 8 D* --> 86Kr36 + 81Br35 + 191.667 MeV [74.519 MeV] (A_Eu:124)
151Eu63 + 8 D* --> 85Rb37 + 82Se34 + 190.188 MeV [73.040 MeV] (A_Eu:125)
151Eu63 + 8 D* --> 87Rb37 + 80Se34 + 192.784 MeV [75.636 MeV] (A_Eu:126)
151Eu63 + 8 D* --> 96Zr40 + 71Ga31 + 186.010 MeV [68.862 MeV] (A_Eu:127)
151Eu63 + 8 D* --> 116Cd48 + 51V23 + 171.347 MeV [54.199 MeV] (A_Eu:128)
151Eu63 + 8 D* --> 122Sn50 + 45Sc21 + 161.440 MeV [44.292 MeV] (A_Eu:129)
151Eu63 + 8 D* --> 121Sb51 + 46Ca20 + 163.157 MeV [46.009 MeV] (A_Eu:130)
151Eu63 + 8 D* --> 123Sb51 + 44Ca20 + 161.119 MeV [43.971 MeV] (A_Eu:131)
151Eu63 + 8 D* --> 126Te52 + 41K19 + 156.050 MeV [38.902 MeV] (A_Eu:132)
151Eu63 + 8 D* --> 128Te52 + 39K19 + 153.226 MeV [36.078 MeV] (A_Eu:133)
151Eu63 + 8 D* --> 127I53 + 40Ar18 + 154.450 MeV [37.302 MeV] (A_Eu:134)

151Eu63 + 8 D* --> 130Xe54 + 37Cl17 + 152.070 MeV [34.922 MeV] (A_Eu:135)
151Eu63 + 8 D* --> 132Xe54 + 35Cl17 + 148.721 MeV [31.573 MeV] (A_Eu:136)
151Eu63 + 8 D* --> 133Cs55 + 34S16 + 148.429 MeV [31.281 MeV] (A_Eu:137)
151Eu63 + 8 D* --> 136Ba56 + 31P15 + 143.755 MeV [26.606 MeV] (A_Eu:138)
151Eu63 + 8 D* --> 138La57 + 29Si14 + 138.846 MeV [21.698 MeV] (A_Eu:139)
151Eu63 + 8 D* --> 139La57 + 28Si14 + 139.151 MeV [22.003 MeV] (A_Eu:140)
151Eu63 + 8 D* --> 140Ce58 + 27Al13 + 135.707 MeV [18.559 MeV] (A_Eu:141)
151Eu63 + 8 D* --> 141Pr59 + 26Mg12 + 132.662 MeV [15.514 MeV] (A_Eu:142)
151Eu63 + 8 D* --> 144Nd60 + 23Na11 + 123.710 MeV [6.562 MeV] (A_Eu:143)
151Eu63 + 8 D* --> 148Sm62 + 19F9 + 111.256 MeV [-5.892 MeV] (A_Eu:144)
151Eu63 + 8 D* --> 151Eu63 + 16O8 + 109.823 MeV [-7.325 MeV] (A_Eu:145)
151Eu63 + 8 D* --> 152Gd64 + 15N7 + 105.039 MeV [-12.109 MeV] (A_Eu:146)
151Eu63 + 8 D* --> 156Dy66 + 11B5 + 92.289 MeV [-24.859 MeV] (A_Eu:147)

151Eu63 + 9 D* --> 86Kr36 + 83Kr36 + 206.810 MeV [73.665 MeV] (A_Eu:148)
151Eu63 + 9 D* --> 87Sr38 + 82Se34 + 206.037 MeV [72.892 MeV] (A_Eu:149)
151Eu63 + 9 D* --> 96Zr40 + 73Ge32 + 200.303 MeV [67.158 MeV] (A_Eu:150)
151Eu63 + 9 D* --> 116Cd48 + 53Cr24 + 187.567 MeV [54.422 MeV] (A_Eu:151)
151Eu63 + 9 D* --> 119Sn50 + 50Ti22 + 185.057 MeV [51.913 MeV] (A_Eu:152)
151Eu63 + 9 D* --> 120Sn50 + 49Ti22 + 183.226 MeV [50.081 MeV] (A_Eu:153)
151Eu63 + 9 D* --> 122Sn50 + 47Ti22 + 178.441 MeV [45.296 MeV] (A_Eu:154)
151Eu63 + 9 D* --> 123Te52 + 46Ca20 + 175.869 MeV [42.725 MeV] (A_Eu:155)
151Eu63 + 9 D* --> 125Te52 + 44Ca20 + 174.053 MeV [40.908 MeV] (A_Eu:156)
151Eu63 + 9 D* --> 126Te52 + 43Ca20 + 172.036 MeV [38.891 MeV] (A_Eu:157)
151Eu63 + 9 D* --> 129Xe54 + 40Ar18 + 167.300 MeV [34.155 MeV] (A_Eu:158)
151Eu63 + 9 D* --> 131Xe54 + 38Ar18 + 166.692 MeV [33.547 MeV] (A_Eu:159)
151Eu63 + 9 D* --> 135Ba56 + 34S16 + 161.345 MeV [28.200 MeV] (A_Eu:160)
151Eu63 + 9 D* --> 136Ba56 + 33S16 + 159.035 MeV [25.890 MeV] (A_Eu:161)
151Eu63 + 9 D* --> 137Ba56 + 32S16 + 157.299 MeV [24.154 MeV] (A_Eu:162)
151Eu63 + 9 D* --> 138La57 + 31P15 + 154.528 MeV [21.383 MeV] (A_Eu:163)
151Eu63 + 9 D* --> 140Ce58 + 29Si14 + 153.541 MeV [20.396 MeV] (A_Eu:164)
151Eu63 + 9 D* --> 143Nd60 + 26Mg12 + 143.784 MeV [10.640 MeV] (A_Eu:165)
151Eu63 + 9 D* --> 144Nd60 + 25Mg12 + 140.508 MeV [7.364 MeV] (A_Eu:166)
151Eu63 + 9 D* --> 145Nd60 + 24Mg12 + 138.933 MeV [5.788 MeV] (A_Eu:167)
151Eu63 + 9 D* --> 147Sm62 + 22Ne10 + 130.859 MeV [-2.286 MeV] (A_Eu:168)
151Eu63 + 9 D* --> 148Sm62 + 21Ne10 + 128.636 MeV [-4.509 MeV] (A_Eu:169)
151Eu63 + 9 D* --> 149Sm62 + 20Ne10 + 127.746 MeV [-5.399 MeV] (A_Eu:170)
151Eu63 + 9 D* --> 152Gd64 + 17O8 + 119.085 MeV [-14.059 MeV] (A_Eu:171)
151Eu63 + 9 D* --> 156Dy66 + 13C6 + 110.967 MeV [-22.178 MeV] (A_Eu:172)

151Eu63 + 10 D* --> 86Kr36 + 85Rb37 + 222.131 MeV [72.696 MeV] (A_Eu:173)
151Eu63 + 10 D* --> 87Rb37 + 84Kr36 + 223.727 MeV [74.292 MeV] (A_Eu:174)
151Eu63 + 10 D* --> 89Y39 + 82Se34 + 221.994 MeV [72.559 MeV] (A_Eu:175)
151Eu63 + 10 D* --> 96Zr40 + 75As33 + 215.173 MeV [65.738 MeV] (A_Eu:176)
151Eu63 + 10 D* --> 100Mo42 + 71Ga31 + 213.023 MeV [63.587 MeV] (A_Eu:177)
151Eu63 + 10 D* --> 116Cd48 + 55Mn25 + 203.128 MeV [53.693 MeV] (A_Eu:178)
151Eu63 + 10 D* --> 120Sn50 + 51V23 + 200.005 MeV [50.569 MeV] (A_Eu:179)
151Eu63 + 10 D* --> 121Sb51 + 50Ti22 + 197.720 MeV [48.285 MeV] (A_Eu:180)
151Eu63 + 10 D* --> 123Sb51 + 48Ti22 + 194.410 MeV [44.975 MeV] (A_Eu:181)
151Eu63 + 10 D* --> 126Te52 + 45Sc21 + 187.830 MeV [38.395 MeV] (A_Eu:182)
151Eu63 + 10 D* --> 127I53 + 44Ca20 + 187.150 MeV [37.715 MeV] (A_Eu:183)
151Eu63 + 10 D* --> 130Xe54 + 41K19 + 182.139 MeV [32.704 MeV] (A_Eu:184)
151Eu63 + 10 D* --> 131Xe54 + 40K19 + 178.649 MeV [29.213 MeV] (A_Eu:185)
151Eu63 + 10 D* --> 132Xe54 + 39K19 + 179.786 MeV [30.350 MeV] (A_Eu:186)

151Eu63 + 10 D* --> 133Cs55 + 38Ar18 + 179.484 MeV [30.048 MeV] (A_Eu:187)
151Eu63 + 10 D* --> 134Ba56 + 37Cl17 + 177.410 MeV [27.974 MeV] (A_Eu:188)
151Eu63 + 10 D* --> 136Ba56 + 35Cl17 + 174.599 MeV [25.163 MeV] (A_Eu:189)
151Eu63 + 10 D* --> 138La57 + 33S16 + 169.809 MeV [20.374 MeV] (A_Eu:190)
151Eu63 + 10 D* --> 139La57 + 32S16 + 169.945 MeV [20.510 MeV] (A_Eu:191)
151Eu63 + 10 D* --> 140Ce58 + 31P15 + 169.222 MeV [19.787 MeV] (A_Eu:192)
151Eu63 + 10 D* --> 141Pr59 + 30Si14 + 167.152 MeV [17.717 MeV] (A_Eu:193)
151Eu63 + 10 D* --> 144Nd60 + 27Al13 + 157.648 MeV [8.213 MeV] (A_Eu:194)
151Eu63 + 10 D* --> 148Sm62 + 23Na11 + 145.570 MeV [-3.865 MeV] (A_Eu:195)
151Eu63 + 10 D* --> 151Eu63 + 20Ne10 + 138.399 MeV [-11.036 MeV] (A_Eu:196)
151Eu63 + 10 D* --> 152Gd64 + 19F9 + 132.900 MeV [-16.535 MeV] (A_Eu:197)
151Eu63 + 10 D* --> 156Dy66 + 15N7 + 127.127 MeV [-22.309 MeV] (A_Eu:198)

151Eu63 + 11 D* --> 87Sr38 + 86Kr36 + 237.980 MeV [71.963 MeV] (A_Eu:199)
151Eu63 + 11 D* --> 91Zr40 + 82Se34 + 235.318 MeV [69.301 MeV] (A_Eu:200)
151Eu63 + 11 D* --> 96Zr40 + 77Se34 + 229.876 MeV [63.859 MeV] (A_Eu:201)
151Eu63 + 11 D* --> 97Mo42 + 76Ge32 + 230.587 MeV [64.570 MeV] (A_Eu:202)
151Eu63 + 11 D* --> 100Mo42 + 73Ge32 + 227.316 MeV [61.299 MeV] (A_Eu:203)
151Eu63 + 11 D* --> 116Cd48 + 57Fe26 + 218.733 MeV [52.716 MeV] (A_Eu:204)
151Eu63 + 11 D* --> 119Sn50 + 54Cr24 + 216.835 MeV [50.818 MeV] (A_Eu:205)
151Eu63 + 11 D* --> 120Sn50 + 53Cr24 + 216.224 MeV [50.207 MeV] (A_Eu:206)
151Eu63 + 11 D* --> 123Sb51 + 50V23 + 208.280 MeV [42.262 MeV] (A_Eu:207)
151Eu63 + 11 D* --> 123Te52 + 50Ti22 + 210.432 MeV [44.415 MeV] (A_Eu:208)
151Eu63 + 11 D* --> 124Te52 + 49Ti22 + 208.917 MeV [42.900 MeV] (A_Eu:209)
151Eu63 + 11 D* --> 125Te52 + 48Ti22 + 207.344 MeV [41.327 MeV] (A_Eu:210)
151Eu63 + 11 D* --> 126Te52 + 47Ti22 + 204.831 MeV [38.814 MeV] (A_Eu:211)
151Eu63 + 11 D* --> 129Xe54 + 44Ca20 + 200.000 MeV [33.983 MeV] (A_Eu:212)
151Eu63 + 11 D* --> 130Xe54 + 43Ca20 + 198.124 MeV [32.107 MeV] (A_Eu:213)
151Eu63 + 11 D* --> 131Xe54 + 42Ca20 + 196.796 MeV [30.779 MeV] (A_Eu:214)
151Eu63 + 11 D* --> 133Cs55 + 40K19 + 191.440 MeV [25.423 MeV] (A_Eu:215)
151Eu63 + 11 D* --> 135Ba56 + 38Ar18 + 192.399 MeV [26.382 MeV] (A_Eu:216)
151Eu63 + 11 D* --> 137Ba56 + 36Ar18 + 187.787 MeV [21.770 MeV] (A_Eu:217)
151Eu63 + 11 D* --> 138La57 + 35Cl17 + 185.372 MeV [19.355 MeV] (A_Eu:218)
151Eu63 + 11 D* --> 140Ce58 + 33S16 + 184.503 MeV [18.486 MeV] (A_Eu:219)
151Eu63 + 11 D* --> 143Nd60 + 30Si14 + 178.274 MeV [12.257 MeV] (A_Eu:220)
151Eu63 + 11 D* --> 144Nd60 + 29Si14 + 175.482 MeV [9.465 MeV] (A_Eu:221)
151Eu63 + 11 D* --> 145Nd60 + 28Si14 + 172.764 MeV [6.747 MeV] (A_Eu:222)
151Eu63 + 11 D* --> 147Sm62 + 26Mg12 + 165.321 MeV [-0.697 MeV] (A_Eu:223)
151Eu63 + 11 D* --> 148Sm62 + 25Mg12 + 162.369 MeV [-3.648 MeV] (A_Eu:224)
151Eu63 + 11 D* --> 149Sm62 + 24Mg12 + 160.909 MeV [-5.108 MeV] (A_Eu:225)
151Eu63 + 11 D* --> 152Gd64 + 21Ne10 + 150.280 MeV [-15.737 MeV] (A_Eu:226)
151Eu63 + 11 D* --> 156Dy66 + 17O8 + 141.172 MeV [-24.845 MeV] (A_Eu:227)

151Eu63 + 12 D* --> 88Sr38 + 87Rb37 + 255.489 MeV [72.601 MeV] (A_Eu:228)
151Eu63 + 12 D* --> 89Y39 + 86Kr36 + 253.937 MeV [71.049 MeV] (A_Eu:229)
151Eu63 + 12 D* --> 94Zr40 + 81Br35 + 248.211 MeV [65.323 MeV] (A_Eu:230)
151Eu63 + 12 D* --> 96Zr40 + 79Br35 + 244.481 MeV [61.593 MeV] (A_Eu:231)
151Eu63 + 12 D* --> 93Nb41 + 82Se34 + 247.772 MeV [64.883 MeV] (A_Eu:232)
151Eu63 + 12 D* --> 100Mo42 + 75As33 + 242.186 MeV [59.298 MeV] (A_Eu:233)
151Eu63 + 12 D* --> 104Ru44 + 71Ga31 + 241.199 MeV [58.310 MeV] (A_Eu:234)
151Eu63 + 12 D* --> 110Pd46 + 65Cu29 + 238.582 MeV [55.694 MeV] (A_Eu:235)
151Eu63 + 12 D* --> 116Cd48 + 59Co27 + 233.917 MeV [51.029 MeV] (A_Eu:236)
151Eu63 + 12 D* --> 120Sn50 + 55Mn25 + 231.785 MeV [48.897 MeV] (A_Eu:237)
151Eu63 + 12 D* --> 121Sb51 + 54Cr24 + 229.497 MeV [46.609 MeV] (A_Eu:238)

151Eu63 + 12 D* --> 123Sb51 + 52Cr24 + 227.611 MeV [44.722 MeV] (A_Eu:239)
151Eu63 + 12 D* --> 124Te52 + 51V23 + 225.695 MeV [42.807 MeV] (A_Eu:240)
151Eu63 + 12 D* --> 125Te52 + 50V23 + 221.213 MeV [38.325 MeV] (A_Eu:241)
151Eu63 + 12 D* --> 127I53 + 48Ti22 + 220.440 MeV [37.552 MeV] (A_Eu:242)
151Eu63 + 12 D* --> 130Xe54 + 45Sc21 + 213.919 MeV [31.031 MeV] (A_Eu:243)
151Eu63 + 12 D* --> 133Cs55 + 42Ca20 + 209.588 MeV [26.699 MeV] (A_Eu:244)
151Eu63 + 12 D* --> 134Ba56 + 41K19 + 207.479 MeV [24.590 MeV] (A_Eu:245)
151Eu63 + 12 D* --> 135Ba56 + 40K19 + 204.355 MeV [21.467 MeV] (A_Eu:246)
151Eu63 + 12 D* --> 136Ba56 + 39K19 + 205.664 MeV [22.775 MeV] (A_Eu:247)
151Eu63 + 12 D* --> 139La57 + 36Ar18 + 200.432 MeV [17.544 MeV] (A_Eu:248)
151Eu63 + 12 D* --> 138Ce58 + 37Cl17 + 202.300 MeV [19.411 MeV] (A_Eu:249)
151Eu63 + 12 D* --> 140Ce58 + 35Cl17 + 200.066 MeV [17.178 MeV] (A_Eu:250)
151Eu63 + 12 D* --> 141Pr59 + 34S16 + 198.922 MeV [16.034 MeV] (A_Eu:251)
151Eu63 + 12 D* --> 144Nd60 + 31P15 + 191.164 MeV [8.275 MeV] (A_Eu:252)
151Eu63 + 12 D* --> 148Sm62 + 27Al13 + 179.508 MeV [-3.380 MeV] (A_Eu:253)
151Eu63 + 12 D* --> 151Eu63 + 24Mg12 + 171.562 MeV [-11.326 MeV] (A_Eu:254)
151Eu63 + 12 D* --> 152Gd64 + 23Na11 + 167.214 MeV [-15.675 MeV] (A_Eu:255)
151Eu63 + 12 D* --> 156Dy66 + 19F9 + 154.987 MeV [-27.902 MeV] (A_Eu:256)

153Eu63 + D* --> 130Te52 + 25Mg12 + 40.306 MeV [26.796 MeV] (A_Eu:257)
153Eu63 + D* --> 134Xe54 + 21Ne10 + 33.619 MeV [20.108 MeV] (A_Eu:258)
153Eu63 + D* --> 137Ba56 + 18O8 + 28.265 MeV [14.754 MeV] (A_Eu:259)
153Eu63 + D* --> 138Ba56 + 17O8 + 28.833 MeV [15.322 MeV] (A_Eu:260)
153Eu63 + D* --> 142Ce58 + 13C6 + 21.176 MeV [7.665 MeV] (A_Eu:261)
153Eu63 + D* --> 146Nd60 + 9Be4 + 9.346 MeV [-4.165 MeV] (A_Eu:262)
153Eu63 + D* --> 155Gd64 + 11.839 MeV [-1.671 MeV] (A_Eu:263)

153Eu63 + 2 D* --> 130Te52 + 27Al13 + 57.446 MeV [30.113 MeV] (A_Eu:264)
153Eu63 + 2 D* --> 134Xe54 + 23Na11 + 50.552 MeV [23.219 MeV] (A_Eu:265)
153Eu63 + 2 D* --> 138Ba56 + 19F9 + 42.647 MeV [15.313 MeV] (A_Eu:266)
153Eu63 + 2 D* --> 139La57 + 18O8 + 40.911 MeV [13.577 MeV] (A_Eu:267)
153Eu63 + 2 D* --> 142Ce58 + 15N7 + 37.335 MeV [10.001 MeV] (A_Eu:268)
153Eu63 + 2 D* --> 146Nd60 + 11B5 + 25.161 MeV [-2.172 MeV] (A_Eu:269)
153Eu63 + 2 D* --> 150Sm62 + 7Li3 + 15.047 MeV [-12.286 MeV] (A_Eu:270)
153Eu63 + 2 D* --> 153Eu63 + 4He2 + 23.847 MeV [-3.487 MeV] (A_Eu:271)
153Eu63 + 2 D* --> 155Gd64 + 2H1 + 11.839 MeV [-15.494 MeV] (A_Eu:272)
153Eu63 + 2 D* --> 156Gd64 + 1H1 + 18.151 MeV [-9.182 MeV] (A_Eu:273)

153Eu63 + 3 D* --> 130Te52 + 29Si14 + 75.280 MeV [33.815 MeV] (A_Eu:274)
153Eu63 + 3 D* --> 134Xe54 + 25Mg12 + 67.351 MeV [25.885 MeV] (A_Eu:275)
153Eu63 + 3 D* --> 137Ba56 + 22Ne10 + 61.780 MeV [20.314 MeV] (A_Eu:276)
153Eu63 + 3 D* --> 138Ba56 + 21Ne10 + 60.027 MeV [18.561 MeV] (A_Eu:277)
153Eu63 + 3 D* --> 142Ce58 + 17O8 + 51.381 MeV [9.915 MeV] (A_Eu:278)
153Eu63 + 3 D* --> 146Nd60 + 13C6 + 43.840 MeV [2.374 MeV] (A_Eu:279)
153Eu63 + 3 D* --> 150Sm62 + 9Be4 + 31.743 MeV [-9.722 MeV] (A_Eu:280)
153Eu63 + 3 D* --> 153Eu63 + 6Li3 + 25.320 MeV [-16.145 MeV] (A_Eu:281)
153Eu63 + 3 D* --> 155Gd64 + 4He2 + 35.686 MeV [-5.780 MeV] (A_Eu:282)
153Eu63 + 3 D* --> 156Gd64 + 3He2 + 23.645 MeV [-17.821 MeV] (A_Eu:283)

153Eu63 + 4 D* --> 124Sn50 + 37Cl17 + 99.168 MeV [43.263 MeV] (A_Eu:284)
153Eu63 + 4 D* --> 130Te52 + 31P15 + 90.962 MeV [35.057 MeV] (A_Eu:285)
153Eu63 + 4 D* --> 134Xe54 + 27Al13 + 84.491 MeV [28.586 MeV] (A_Eu:286)
153Eu63 + 4 D* --> 138Ba56 + 23Na11 + 76.961 MeV [21.056 MeV] (A_Eu:287)
153Eu63 + 4 D* --> 139La57 + 22Ne10 + 74.426 MeV [18.521 MeV] (A_Eu:288)

153Eu63 + 4 D* --> 142Ce58 + 19F9 + 65.195 MeV [9.291 MeV] (A_Eu:289)
153Eu63 + 4 D* --> 146Nd60 + 15N7 + 59.999 MeV [4.094 MeV] (A_Eu:290)
153Eu63 + 4 D* --> 150Sm62 + 11B5 + 47.559 MeV [-8.346 MeV] (A_Eu:291)
153Eu63 + 4 D* --> 154Gd64 + 7Li3 + 37.975 MeV [-17.930 MeV] (A_Eu:292)
153Eu63 + 4 D* --> 155Gd64 + 6Li3 + 37.160 MeV [-18.745 MeV] (A_Eu:293)
153Eu63 + 4 D* --> 160Dy66 + 1H1 + 41.559 MeV [-14.346 MeV] (A_Eu:294)

153Eu63 + 5 D* --> 130Te52 + 33S16 + 106.243 MeV [35.594 MeV] (A_Eu:295)
153Eu63 + 5 D* --> 134Xe54 + 29Si14 + 102.325 MeV [31.676 MeV] (A_Eu:296)
153Eu63 + 5 D* --> 137Ba56 + 26Mg12 + 96.241 MeV [25.593 MeV] (A_Eu:297)
153Eu63 + 5 D* --> 138Ba56 + 25Mg12 + 93.760 MeV [23.111 MeV] (A_Eu:298)
153Eu63 + 5 D* --> 142Ce58 + 21Ne10 + 82.575 MeV [11.927 MeV] (A_Eu:299)
153Eu63 + 5 D* --> 145Nd60 + 18O8 + 74.524 MeV [3.876 MeV] (A_Eu:300)
153Eu63 + 5 D* --> 146Nd60 + 17O8 + 74.045 MeV [3.397 MeV] (A_Eu:301)
153Eu63 + 5 D* --> 150Sm62 + 13C6 + 66.237 MeV [-4.411 MeV] (A_Eu:302)
153Eu63 + 5 D* --> 153Eu63 + 10B5 + 53.628 MeV [-17.020 MeV] (A_Eu:303)
153Eu63 + 5 D* --> 154Gd64 + 9Be4 + 54.671 MeV [-15.978 MeV] (A_Eu:304)
153Eu63 + 5 D* --> 160Dy66 + 3He2 + 47.052 MeV [-23.596 MeV] (A_Eu:305)

153Eu63 + 6 D* --> 124Sn50 + 41K19 + 129.237 MeV [43.543 MeV] (A_Eu:306)
153Eu63 + 6 D* --> 128Te52 + 37Cl17 + 126.194 MeV [40.500 MeV] (A_Eu:307)
153Eu63 + 6 D* --> 130Te52 + 35Cl17 + 121.806 MeV [36.112 MeV] (A_Eu:308)
153Eu63 + 6 D* --> 134Xe54 + 31P15 + 118.006 MeV [32.312 MeV] (A_Eu:309)
153Eu63 + 6 D* --> 138Ba56 + 27Al13 + 110.899 MeV [25.205 MeV] (A_Eu:310)
153Eu63 + 6 D* --> 139La57 + 26Mg12 + 108.887 MeV [23.193 MeV] (A_Eu:311)
153Eu63 + 6 D* --> 142Ce58 + 23Na11 + 99.509 MeV [13.815 MeV] (A_Eu:312)
153Eu63 + 6 D* --> 146Nd60 + 19F9 + 87.859 MeV [2.165 MeV] (A_Eu:313)
153Eu63 + 6 D* --> 150Sm62 + 15N7 + 82.397 MeV [-3.297 MeV] (A_Eu:314)
153Eu63 + 6 D* --> 153Eu63 + 12C6 + 78.814 MeV [-6.880 MeV] (A_Eu:315)
153Eu63 + 6 D* --> 154Gd64 + 11B5 + 70.486 MeV [-15.208 MeV] (A_Eu:316)
153Eu63 + 6 D* --> 155Gd64 + 10B5 + 65.467 MeV [-20.227 MeV] (A_Eu:317)
153Eu63 + 6 D* --> 158Dy66 + 7Li3 + 60.945 MeV [-24.749 MeV] (A_Eu:318)
153Eu63 + 6 D* --> 164Er68 + 1H1 + 64.101 MeV [-21.593 MeV] (A_Eu:319)

153Eu63 + 7 D* --> 119Sn50 + 48Ca20 + 152.859 MeV [51.819 MeV] (A_Eu:320)
153Eu63 + 7 D* --> 124Sn50 + 43Ca20 + 145.222 MeV [44.182 MeV] (A_Eu:321)
153Eu63 + 7 D* --> 131Xe54 + 36S16 + 137.656 MeV [36.616 MeV] (A_Eu:322)
153Eu63 + 7 D* --> 134Xe54 + 33S16 + 133.287 MeV [32.247 MeV] (A_Eu:323)
153Eu63 + 7 D* --> 137Ba56 + 30Si14 + 130.731 MeV [29.691 MeV] (A_Eu:324)
153Eu63 + 7 D* --> 138Ba56 + 29Si14 + 128.733 MeV [27.693 MeV] (A_Eu:325)
153Eu63 + 7 D* --> 142Ce58 + 25Mg12 + 116.308 MeV [15.268 MeV] (A_Eu:326)
153Eu63 + 7 D* --> 145Nd60 + 22Ne10 + 108.038 MeV [6.998 MeV] (A_Eu:327)
153Eu63 + 7 D* --> 146Nd60 + 21Ne10 + 105.239 MeV [4.199 MeV] (A_Eu:328)
153Eu63 + 7 D* --> 149Sm62 + 18O8 + 96.500 MeV [-4.540 MeV] (A_Eu:329)
153Eu63 + 7 D* --> 150Sm62 + 17O8 + 96.443 MeV [-4.597 MeV] (A_Eu:330)
153Eu63 + 7 D* --> 153Eu63 + 14N7 + 89.087 MeV [-11.954 MeV] (A_Eu:331)
153Eu63 + 7 D* --> 154Gd64 + 13C6 + 89.165 MeV [-11.875 MeV] (A_Eu:332)
153Eu63 + 7 D* --> 155Gd64 + 12C6 + 90.654 MeV [-10.386 MeV] (A_Eu:333)
153Eu63 + 7 D* --> 158Dy66 + 9Be4 + 77.641 MeV [-23.399 MeV] (A_Eu:334)
153Eu63 + 7 D* --> 164Er68 + 3He2 + 69.595 MeV [-31.445 MeV] (A_Eu:335)

153Eu63 + 8 D* --> 87Rb37 + 82Se34 + 193.904 MeV [77.220 MeV] (A_Eu:336)
153Eu63 + 8 D* --> 124Sn50 + 45Sc21 + 161.017 MeV [44.333 MeV] (A_Eu:337)
153Eu63 + 8 D* --> 121Sb51 + 48Ca20 + 165.522 MeV [48.837 MeV] (A_Eu:338)

153Eu63 + 8 D* --> 123Sb51 + 46Ca20 + 164.071 MeV [47.387 MeV] (A_Eu:339)
153Eu63 + 8 D* --> 128Te52 + 41K19 + 156.263 MeV [39.579 MeV] (A_Eu:340)
153Eu63 + 8 D* --> 130Te52 + 39K19 + 152.871 MeV [36.187 MeV] (A_Eu:341)
153Eu63 + 8 D* --> 132Xe54 + 37Cl17 + 152.754 MeV [36.070 MeV] (A_Eu:342)
153Eu63 + 8 D* --> 134Xe54 + 35Cl17 + 148.850 MeV [32.166 MeV] (A_Eu:343)
153Eu63 + 8 D* --> 133Cs55 + 36S16 + 150.447 MeV [33.763 MeV] (A_Eu:344)
153Eu63 + 8 D* --> 138Ba56 + 31P15 + 144.415 MeV [27.731 MeV] (A_Eu:345)
153Eu63 + 8 D* --> 139La57 + 30Si14 + 143.377 MeV [26.693 MeV] (A_Eu:346)
153Eu63 + 8 D* --> 142Ce58 + 27Al13 + 133.447 MeV [16.763 MeV] (A_Eu:347)
153Eu63 + 8 D* --> 146Nd60 + 23Na11 + 122.173 MeV [5.489 MeV] (A_Eu:348)
153Eu63 + 8 D* --> 150Sm62 + 19F9 + 110.257 MeV [-6.427 MeV] (A_Eu:349)
153Eu63 + 8 D* --> 151Eu63 + 18O8 + 107.153 MeV [-9.531 MeV] (A_Eu:350)
153Eu63 + 8 D* --> 153Eu63 + 16O8 + 109.823 MeV [-6.861 MeV] (A_Eu:351)
153Eu63 + 8 D* --> 154Gd64 + 15N7 + 105.324 MeV [-11.360 MeV] (A_Eu:352)
153Eu63 + 8 D* --> 155Gd64 + 14N7 + 100.926 MeV [-15.758 MeV] (A_Eu:353)
153Eu63 + 8 D* --> 158Dy66 + 11B5 + 93.456 MeV [-23.228 MeV] (A_Eu:354)
153Eu63 + 8 D* --> 162Er68 + 7Li3 + 83.147 MeV [-33.537 MeV] (A_Eu:355)
153Eu63 + 8 D* --> 168Yb70 + 1H1 + 85.998 MeV [-30.686 MeV] (A_Eu:356)

153Eu63 + 9 D* --> 122Sn50 + 49Ti22 + 183.353 MeV [50.729 MeV] (A_Eu:357)
153Eu63 + 9 D* --> 124Sn50 + 47Ti22 + 178.017 MeV [45.393 MeV] (A_Eu:358)
153Eu63 + 9 D* --> 123Te52 + 48Ca20 + 178.234 MeV [45.610 MeV] (A_Eu:359)
153Eu63 + 9 D* --> 125Te52 + 46Ca20 + 177.005 MeV [44.382 MeV] (A_Eu:360)
153Eu63 + 9 D* --> 128Te52 + 43Ca20 + 172.249 MeV [39.625 MeV] (A_Eu:361)
153Eu63 + 9 D* --> 131Xe54 + 40Ar18 + 168.303 MeV [35.679 MeV] (A_Eu:362)
153Eu63 + 9 D* --> 135Ba56 + 36S16 + 163.363 MeV [30.739 MeV] (A_Eu:363)
153Eu63 + 9 D* --> 137Ba56 + 34S16 + 162.501 MeV [29.877 MeV] (A_Eu:364)
153Eu63 + 9 D* --> 138Ba56 + 33S16 + 159.696 MeV [27.072 MeV] (A_Eu:365)
153Eu63 + 9 D* --> 142Ce58 + 29Si14 + 151.282 MeV [18.658 MeV] (A_Eu:366)
153Eu63 + 9 D* --> 145Nd60 + 26Mg12 + 142.500 MeV [9.876 MeV] (A_Eu:367)
153Eu63 + 9 D* --> 146Nd60 + 25Mg12 + 138.972 MeV [6.348 MeV] (A_Eu:368)
153Eu63 + 9 D* --> 149Sm62 + 22Ne10 + 130.015 MeV [-2.609 MeV] (A_Eu:369)
153Eu63 + 9 D* --> 150Sm62 + 21Ne10 + 127.637 MeV [-4.987 MeV] (A_Eu:370)
153Eu63 + 9 D* --> 154Gd64 + 17O8 + 119.370 MeV [-13.254 MeV] (A_Eu:371)
153Eu63 + 9 D* --> 155Gd64 + 16O8 + 121.662 MeV [-10.962 MeV] (A_Eu:372)
153Eu63 + 9 D* --> 158Dy66 + 13C6 + 112.135 MeV [-20.489 MeV] (A_Eu:373)
153Eu63 + 9 D* --> 162Er68 + 9Be4 + 99.843 MeV [-32.781 MeV] (A_Eu:374)
153Eu63 + 9 D* --> 168Yb70 + 3He2 + 91.491 MeV [-41.132 MeV] (A_Eu:375)

153Eu63 + 10 D* --> 87Rb37 + 86Kr36 + 225.847 MeV [76.990 MeV] (A_Eu:376)
153Eu63 + 10 D* --> 122Sn50 + 51V23 + 200.131 MeV [51.274 MeV] (A_Eu:377)
153Eu63 + 10 D* --> 123Sb51 + 50Ti22 + 198.635 MeV [49.777 MeV] (A_Eu:378)
153Eu63 + 10 D* --> 128Te52 + 45Sc21 + 188.044 MeV [39.187 MeV] (A_Eu:379)
153Eu63 + 10 D* --> 127I53 + 46Ca20 + 190.102 MeV [41.245 MeV] (A_Eu:380)
153Eu63 + 10 D* --> 132Xe54 + 41K19 + 182.823 MeV [33.966 MeV] (A_Eu:381)
153Eu63 + 10 D* --> 134Xe54 + 39K19 + 179.915 MeV [31.058 MeV] (A_Eu:382)
153Eu63 + 10 D* --> 133Cs55 + 40Ar18 + 181.095 MeV [32.237 MeV] (A_Eu:383)
153Eu63 + 10 D* --> 136Ba56 + 37Cl17 + 178.632 MeV [29.775 MeV] (A_Eu:384)
153Eu63 + 10 D* --> 138Ba56 + 35Cl17 + 175.259 MeV [26.402 MeV] (A_Eu:385)
153Eu63 + 10 D* --> 139La57 + 34S16 + 175.147 MeV [26.290 MeV] (A_Eu:386)
153Eu63 + 10 D* --> 142Ce58 + 31P15 + 166.963 MeV [18.106 MeV] (A_Eu:387)
153Eu63 + 10 D* --> 146Nd60 + 27Al13 + 156.111 MeV [7.254 MeV] (A_Eu:388)
153Eu63 + 10 D* --> 150Sm62 + 23Na11 + 144.571 MeV [-4.286 MeV] (A_Eu:389)
153Eu63 + 10 D* --> 151Eu63 + 22Ne10 + 140.668 MeV [-8.190 MeV] (A_Eu:390)

153Eu63 + 10 D* --> 153Eu63 + 20Ne10 + 138.399 MeV [-10.458 MeV] (A_Eu:391)
153Eu63 + 10 D* --> 154Gd64 + 19F9 + 133.184 MeV [-15.673 MeV] (A_Eu:392)
153Eu63 + 10 D* --> 158Dy66 + 15N7 + 128.294 MeV [-20.563 MeV] (A_Eu:393)
153Eu63 + 10 D* --> 162Er68 + 11B5 + 115.658 MeV [-33.199 MeV] (A_Eu:394)

153Eu63 + 11 D* --> 122Sn50 + 53Cr24 + 216.350 MeV [50.968 MeV] (A_Eu:395)
153Eu63 + 11 D* --> 125Te52 + 50Ti22 + 211.568 MeV [46.186 MeV] (A_Eu:396)
153Eu63 + 11 D* --> 126Te52 + 49Ti22 + 209.743 MeV [44.361 MeV] (A_Eu:397)
153Eu63 + 11 D* --> 128Te52 + 47Ti22 + 205.044 MeV [39.662 MeV] (A_Eu:398)
153Eu63 + 11 D* --> 129Xe54 + 46Ca20 + 202.952 MeV [37.570 MeV] (A_Eu:399)
153Eu63 + 11 D* --> 131Xe54 + 44Ca20 + 201.003 MeV [35.621 MeV] (A_Eu:400)
153Eu63 + 11 D* --> 132Xe54 + 43Ca20 + 198.809 MeV [33.426 MeV] (A_Eu:401)
153Eu63 + 11 D* --> 135Ba56 + 40Ar18 + 194.010 MeV [28.628 MeV] (A_Eu:402)
153Eu63 + 11 D* --> 137Ba56 + 38Ar18 + 193.555 MeV [28.173 MeV] (A_Eu:403)
153Eu63 + 11 D* --> 138La57 + 37Cl17 + 189.406 MeV [24.024 MeV] (A_Eu:404)
153Eu63 + 11 D* --> 142Ce58 + 33S16 + 182.244 MeV [16.862 MeV] (A_Eu:405)
153Eu63 + 11 D* --> 145Nd60 + 30Si14 + 176.990 MeV [11.607 MeV] (A_Eu:406)
153Eu63 + 11 D* --> 146Nd60 + 29Si14 + 173.946 MeV [8.563 MeV] (A_Eu:407)
153Eu63 + 11 D* --> 149Sm62 + 26Mg12 + 164.476 MeV [-0.906 MeV] (A_Eu:408)
153Eu63 + 11 D* --> 150Sm62 + 25Mg12 + 161.370 MeV [-4.013 MeV] (A_Eu:409)
153Eu63 + 11 D* --> 154Gd64 + 21Ne10 + 150.564 MeV [-14.818 MeV] (A_Eu:410)
153Eu63 + 11 D* --> 155Gd64 + 20Ne10 + 150.239 MeV [-15.144 MeV] (A_Eu:411)
153Eu63 + 11 D* --> 158Dy66 + 17O8 + 142.340 MeV [-23.042 MeV] (A_Eu:412)
153Eu63 + 11 D* --> 162Er68 + 13C6 + 134.337 MeV [-31.045 MeV] (A_Eu:413)

153Eu63 + 12 D* --> 96Zr40 + 81Br35 + 247.673 MeV [65.476 MeV] (A_Eu:414)
153Eu63 + 12 D* --> 122Sn50 + 55Mn25 + 231.912 MeV [49.715 MeV] (A_Eu:415)
153Eu63 + 12 D* --> 123Sb51 + 54Cr24 + 230.412 MeV [48.215 MeV] (A_Eu:416)
153Eu63 + 12 D* --> 126Te52 + 51V23 + 226.521 MeV [44.324 MeV] (A_Eu:417)
153Eu63 + 12 D* --> 127I53 + 50Ti22 + 224.665 MeV [42.468 MeV] (A_Eu:418)
153Eu63 + 12 D* --> 132Xe54 + 45Sc21 + 214.603 MeV [32.407 MeV] (A_Eu:419)
153Eu63 + 12 D* --> 133Cs55 + 44Ca20 + 213.795 MeV [31.598 MeV] (A_Eu:420)
153Eu63 + 12 D* --> 136Ba56 + 41K19 + 208.701 MeV [26.504 MeV] (A_Eu:421)
153Eu63 + 12 D* --> 137Ba56 + 40K19 + 205.512 MeV [23.315 MeV] (A_Eu:422)
153Eu63 + 12 D* --> 138Ba56 + 39K19 + 206.324 MeV [24.127 MeV] (A_Eu:423)
153Eu63 + 12 D* --> 139La57 + 38Ar18 + 206.201 MeV [24.004 MeV] (A_Eu:424)
153Eu63 + 12 D* --> 140Ce58 + 37Cl17 + 204.100 MeV [21.903 MeV] (A_Eu:425)
153Eu63 + 12 D* --> 142Ce58 + 35Cl17 + 197.807 MeV [15.610 MeV] (A_Eu:426)
153Eu63 + 12 D* --> 141Pr59 + 36S16 + 200.940 MeV [18.743 MeV] (A_Eu:427)
153Eu63 + 12 D* --> 146Nd60 + 31P15 + 189.627 MeV [7.430 MeV] (A_Eu:428)
153Eu63 + 12 D* --> 150Sm62 + 27Al13 + 178.509 MeV [-3.688 MeV] (A_Eu:429)
153Eu63 + 12 D* --> 151Eu63 + 26Mg12 + 175.129 MeV [-7.068 MeV] (A_Eu:430)
153Eu63 + 12 D* --> 153Eu63 + 24Mg12 + 171.562 MeV [-10.635 MeV] (A_Eu:431)
153Eu63 + 12 D* --> 154Gd64 + 23Na11 + 167.498 MeV [-14.699 MeV] (A_Eu:432)
153Eu63 + 12 D* --> 158Dy66 + 19F9 + 156.155 MeV [-26.042 MeV] (A_Eu:433)
153Eu63 + 12 D* --> 162Er68 + 15N7 + 150.496 MeV [-31.701 MeV] (A_Eu:434)

---------- Equations follow for Gadolinium, Gd, element 64 ----------

152Gd64 + D* --> 131Xe54 + 23Na11 + 36.367 MeV [22.612 MeV] (A_Gd:1)
152Gd64 + D* --> 133Cs55 + 21Ne10 + 32.224 MeV [18.469 MeV] (A_Gd:2)
152Gd64 + D* --> 135Ba56 + 19F9 + 27.759 MeV [14.004 MeV] (A_Gd:3)
152Gd64 + D* --> 138La57 + 16O8 + 29.683 MeV [15.928 MeV] (A_Gd:4)
152Gd64 + D* --> 140Ce58 + 14N7 + 23.641 MeV [9.886 MeV] (A_Gd:5)

152Gd64 + D* --> 141Pr59 + 13C6 + 21.317 MeV [7.562 MeV] (A_Gd:6)
152Gd64 + D* --> 143Nd60 + 11B5 + 13.761 MeV [00.006 MeV] (A_Gd:7)
152Gd64 + D* --> 144Nd60 + 10B5 + 10.124 MeV [-3.631 MeV] (A_Gd:8)
152Gd64 + D* --> 147Sm62 + 7Li3 + 2.785 MeV [-10.969 MeV] (A_Gd:9)
152Gd64 + D* --> 148Sm62 + 6Li3 + 3.677 MeV [-10.078 MeV] (A_Gd:10)

152Gd64 + 2 D* --> 80Se34 + 76Ge32 + 102.530 MeV [74.710 MeV] (A_Gd:11)
152Gd64 + 2 D* --> 82Se34 + 74Ge32 + 102.574 MeV [74.754 MeV] (A_Gd:12)
152Gd64 + 2 D* --> 86Kr36 + 70Zn30 + 104.387 MeV [76.568 MeV] (A_Gd:13)
152Gd64 + 2 D* --> 108Pd46 + 48Ca20 + 85.296 MeV [57.476 MeV] (A_Gd:14)
152Gd64 + 2 D* --> 110Pd46 + 46Ca20 + 83.041 MeV [55.222 MeV] (A_Gd:15)
152Gd64 + 2 D* --> 116Cd48 + 40Ar18 + 75.317 MeV [47.497 MeV] (A_Gd:16)
152Gd64 + 2 D* --> 120Sn50 + 36S16 + 73.326 MeV [45.507 MeV] (A_Gd:17)
152Gd64 + 2 D* --> 122Sn50 + 34S16 + 71.435 MeV [43.615 MeV] (A_Gd:18)
152Gd64 + 2 D* --> 124Sn50 + 32S16 + 65.810 MeV [37.990 MeV] (A_Gd:19)
152Gd64 + 2 D* --> 126Te52 + 30Si14 + 66.055 MeV [38.235 MeV] (A_Gd:20)
152Gd64 + 2 D* --> 128Te52 + 28Si14 + 62.042 MeV [34.222 MeV] (A_Gd:21)
152Gd64 + 2 D* --> 130Xe54 + 26Mg12 + 57.654 MeV [29.834 MeV] (A_Gd:22)
152Gd64 + 2 D* --> 131Xe54 + 25Mg12 + 53.165 MeV [25.345 MeV] (A_Gd:23)
152Gd64 + 2 D* --> 132Xe54 + 24Mg12 + 54.771 MeV [26.951 MeV] (A_Gd:24)
152Gd64 + 2 D* --> 133Cs55 + 23Na11 + 49.158 MeV [21.338 MeV] (A_Gd:25)
152Gd64 + 2 D* --> 134Ba56 + 22Ne10 + 48.532 MeV [20.712 MeV] (A_Gd:26)
152Gd64 + 2 D* --> 135Ba56 + 21Ne10 + 45.140 MeV [17.320 MeV] (A_Gd:27)
152Gd64 + 2 D* --> 136Ba56 + 20Ne10 + 47.486 MeV [19.666 MeV] (A_Gd:28)
152Gd64 + 2 D* --> 138Ce58 + 18O8 + 39.907 MeV [12.087 MeV] (A_Gd:29)
152Gd64 + 2 D* --> 140Ce58 + 16O8 + 44.378 MeV [16.558 MeV] (A_Gd:30)
152Gd64 + 2 D* --> 141Pr59 + 15N7 + 37.477 MeV [9.657 MeV] (A_Gd:31)
152Gd64 + 2 D* --> 143Nd60 + 13C6 + 32.440 MeV [4.620 MeV] (A_Gd:32)
152Gd64 + 2 D* --> 144Nd60 + 12C6 + 35.310 MeV [7.491 MeV] (A_Gd:33)
152Gd64 + 2 D* --> 147Sm62 + 9Be4 + 19.482 MeV [-8.338 MeV] (A_Gd:34)
152Gd64 + 2 D* --> 152Gd64 + 4He2 + 23.847 MeV [-3.973 MeV] (A_Gd:35)
152Gd64 + 2 D* --> 156Dy66 + 22.087 MeV [-5.733 MeV] (A_Gd:36)

152Gd64 + 3 D* --> 131Xe54 + 27Al13 + 70.305 MeV [28.113 MeV] (A_Gd:37)
152Gd64 + 3 D* --> 133Cs55 + 25Mg12 + 65.957 MeV [23.765 MeV] (A_Gd:38)
152Gd64 + 3 D* --> 135Ba56 + 23Na11 + 62.073 MeV [19.881 MeV] (A_Gd:39)
152Gd64 + 3 D* --> 138La57 + 20Ne10 + 58.260 MeV [16.067 MeV] (A_Gd:40)
152Gd64 + 3 D* --> 141Pr59 + 17O8 + 51.523 MeV [9.330 MeV] (A_Gd:41)
152Gd64 + 3 D* --> 143Nd60 + 15N7 + 48.599 MeV [6.407 MeV] (A_Gd:42)
152Gd64 + 3 D* --> 144Nd60 + 14N7 + 45.583 MeV [3.391 MeV] (A_Gd:43)
152Gd64 + 3 D* --> 147Sm62 + 11B5 + 35.297 MeV [-6.895 MeV] (A_Gd:44)
152Gd64 + 3 D* --> 148Sm62 + 10B5 + 31.984 MeV [-10.208 MeV] (A_Gd:45)
152Gd64 + 3 D* --> 152Gd64 + 6Li3 + 25.320 MeV [-16.872 MeV] (A_Gd:46)
152Gd64 + 3 D* --> 156Dy66 + 2H1 + 22.087 MeV [-20.105 MeV] (A_Gd:47)

152Gd64 + 4 D* --> 80Se34 + 80Se34 + 133.349 MeV [76.479 MeV] (A_Gd:48)
152Gd64 + 4 D* --> 82Se34 + 78Se34 + 132.449 MeV [75.579 MeV] (A_Gd:49)
152Gd64 + 4 D* --> 84Kr36 + 76Ge32 + 133.473 MeV [76.603 MeV] (A_Gd:50)
152Gd64 + 4 D* --> 86Kr36 + 74Ge32 + 134.517 MeV [77.647 MeV] (A_Gd:51)
152Gd64 + 4 D* --> 96Zr40 + 64Ni28 + 130.371 MeV [73.501 MeV] (A_Gd:52)
152Gd64 + 4 D* --> 110Pd46 + 50Ti22 + 117.605 MeV [60.735 MeV] (A_Gd:53)
152Gd64 + 4 D* --> 112Cd48 + 48Ca20 + 112.623 MeV [55.754 MeV] (A_Gd:54)
152Gd64 + 4 D* --> 114Cd48 + 46Ca20 + 110.985 MeV [54.115 MeV] (A_Gd:55)
152Gd64 + 4 D* --> 116Cd48 + 44Ca20 + 108.017 MeV [51.147 MeV] (A_Gd:56)

152Gd64 + 4 D* --> 120Sn50 + 40Ar18 + 103.974 MeV [47.104 MeV] (A_Gd:57)
152Gd64 + 4 D* --> 122Sn50 + 38Ar18 + 102.489 MeV [45.620 MeV] (A_Gd:58)
152Gd64 + 4 D* --> 124Sn50 + 36Ar18 + 96.297 MeV [39.427 MeV] (A_Gd:59)
152Gd64 + 4 D* --> 123Sb51 + 37Cl17 + 98.814 MeV [41.945 MeV] (A_Gd:60)
152Gd64 + 4 D* --> 124Te52 + 36S16 + 99.017 MeV [42.148 MeV] (A_Gd:61)
152Gd64 + 4 D* --> 126Te52 + 34S16 + 97.825 MeV [40.955 MeV] (A_Gd:62)
152Gd64 + 4 D* --> 128Te52 + 32S16 + 92.836 MeV [35.967 MeV] (A_Gd:63)
152Gd64 + 4 D* --> 130Xe54 + 30Si14 + 92.143 MeV [35.274 MeV] (A_Gd:64)
152Gd64 + 4 D* --> 131Xe54 + 29Si14 + 88.139 MeV [31.269 MeV] (A_Gd:65)
152Gd64 + 4 D* --> 132Xe54 + 28Si14 + 88.602 MeV [31.732 MeV] (A_Gd:66)
152Gd64 + 4 D* --> 133Cs55 + 27Al13 + 83.096 MeV [26.227 MeV] (A_Gd:67)
152Gd64 + 4 D* --> 134Ba56 + 26Mg12 + 82.993 MeV [26.123 MeV] (A_Gd:68)
152Gd64 + 4 D* --> 135Ba56 + 25Mg12 + 78.872 MeV [22.002 MeV] (A_Gd:69)
152Gd64 + 4 D* --> 136Ba56 + 24Mg12 + 80.649 MeV [23.780 MeV] (A_Gd:70)
152Gd64 + 4 D* --> 138Ce58 + 22Ne10 + 73.422 MeV [16.552 MeV] (A_Gd:71)
152Gd64 + 4 D* --> 140Ce58 + 20Ne10 + 72.954 MeV [16.084 MeV] (A_Gd:72)
152Gd64 + 4 D* --> 141Pr59 + 19F9 + 65.337 MeV [8.467 MeV] (A_Gd:73)
152Gd64 + 4 D* --> 142Nd60 + 18O8 + 64.565 MeV [7.696 MeV] (A_Gd:74)
152Gd64 + 4 D* --> 143Nd60 + 17O8 + 62.645 MeV [5.775 MeV] (A_Gd:75)
152Gd64 + 4 D* --> 144Nd60 + 16O8 + 66.319 MeV [9.449 MeV] (A_Gd:76)
152Gd64 + 4 D* --> 147Sm62 + 13C6 + 53.976 MeV [-2.894 MeV] (A_Gd:77)
152Gd64 + 4 D* --> 148Sm62 + 12C6 + 57.171 MeV [00.301 MeV] (A_Gd:78)
152Gd64 + 4 D* --> 156Dy66 + 4He2 + 45.934 MeV [-10.936 MeV] (A_Gd:79)

152Gd64 + 5 D* --> 122Sn50 + 40K19 + 114.446 MeV [42.596 MeV] (A_Gd:80)
152Gd64 + 5 D* --> 125Te52 + 37Cl17 + 111.748 MeV [39.898 MeV] (A_Gd:81)
152Gd64 + 5 D* --> 131Xe54 + 31P15 + 103.820 MeV [31.971 MeV] (A_Gd:82)
152Gd64 + 5 D* --> 133Cs55 + 29Si14 + 100.930 MeV [29.080 MeV] (A_Gd:83)
152Gd64 + 5 D* --> 135Ba56 + 27Al13 + 96.012 MeV [24.162 MeV] (A_Gd:84)
152Gd64 + 5 D* --> 138La57 + 24Mg12 + 91.423 MeV [19.573 MeV] (A_Gd:85)
152Gd64 + 5 D* --> 141Pr59 + 21Ne10 + 82.717 MeV [10.867 MeV] (A_Gd:86)
152Gd64 + 5 D* --> 143Nd60 + 19F9 + 76.459 MeV [4.609 MeV] (A_Gd:87)
152Gd64 + 5 D* --> 147Sm62 + 15N7 + 70.135 MeV [-1.715 MeV] (A_Gd:88)
152Gd64 + 5 D* --> 148Sm62 + 14N7 + 67.443 MeV [-4.407 MeV] (A_Gd:89)
152Gd64 + 5 D* --> 152Gd64 + 10B5 + 53.628 MeV [-18.222 MeV] (A_Gd:90)
152Gd64 + 5 D* --> 156Dy66 + 6Li3 + 47.407 MeV [-24.442 MeV] (A_Gd:91)

152Gd64 + 6 D* --> 82Se34 + 82Kr36 + 162.284 MeV [75.153 MeV] (A_Gd:92)
152Gd64 + 6 D* --> 82Kr36 + 82Se34 + 162.284 MeV [75.153 MeV] (A_Gd:93)
152Gd64 + 6 D* --> 84Kr36 + 80Se34 + 164.291 MeV [77.160 MeV] (A_Gd:94)
152Gd64 + 6 D* --> 86Kr36 + 78Se34 + 164.392 MeV [77.261 MeV] (A_Gd:95)
152Gd64 + 6 D* --> 88Sr38 + 76Ge32 + 165.235 MeV [78.104 MeV] (A_Gd:96)
152Gd64 + 6 D* --> 94Zr40 + 70Zn30 + 160.932 MeV [73.801 MeV] (A_Gd:97)
152Gd64 + 6 D* --> 96Zr40 + 68Zn30 + 159.550 MeV [72.419 MeV] (A_Gd:98)
152Gd64 + 6 D* --> 100Mo42 + 64Ni28 + 157.384 MeV [70.253 MeV] (A_Gd:99)
152Gd64 + 6 D* --> 110Pd46 + 54Cr24 + 149.382 MeV [62.251 MeV] (A_Gd:100)
152Gd64 + 6 D* --> 114Cd48 + 50Ti22 + 145.548 MeV [58.417 MeV] (A_Gd:101)
152Gd64 + 6 D* --> 116Cd48 + 48Ti22 + 141.307 MeV [54.176 MeV] (A_Gd:102)
152Gd64 + 6 D* --> 116Sn50 + 48Ca20 + 139.842 MeV [52.712 MeV] (A_Gd:103)
152Gd64 + 6 D* --> 118Sn50 + 46Ca20 + 138.891 MeV [51.760 MeV] (A_Gd:104)
152Gd64 + 6 D* --> 120Sn50 + 44Ca20 + 136.674 MeV [49.543 MeV] (A_Gd:105)
152Gd64 + 6 D* --> 122Sn50 + 42Ca20 + 132.593 MeV [45.462 MeV] (A_Gd:106)
152Gd64 + 6 D* --> 124Sn50 + 40Ca20 + 127.183 MeV [40.052 MeV] (A_Gd:107)
152Gd64 + 6 D* --> 123Sb51 + 41K19 + 128.883 MeV [41.753 MeV] (A_Gd:108)

152Gd64 + 6 D* --> 124Te52 + 40Ar18 + 129.665 MeV [42.534 MeV] (A_Gd:109)
152Gd64 + 6 D* --> 126Te52 + 38Ar18 + 128.879 MeV [41.748 MeV] (A_Gd:110)
152Gd64 + 6 D* --> 128Te52 + 36Ar18 + 123.324 MeV [36.193 MeV] (A_Gd:111)
152Gd64 + 6 D* --> 127I53 + 37Cl17 + 124.845 MeV [37.714 MeV] (A_Gd:112)
152Gd64 + 6 D* --> 128Xe54 + 36S16 + 124.624 MeV [37.493 MeV] (A_Gd:113)
152Gd64 + 6 D* --> 130Xe54 + 34S16 + 123.914 MeV [36.783 MeV] (A_Gd:114)
152Gd64 + 6 D* --> 131Xe54 + 33S16 + 119.101 MeV [31.971 MeV] (A_Gd:115)
152Gd64 + 6 D* --> 132Xe54 + 32S16 + 119.396 MeV [32.266 MeV] (A_Gd:116)
152Gd64 + 6 D* --> 133Cs55 + 31P15 + 116.612 MeV [29.481 MeV] (A_Gd:117)
152Gd64 + 6 D* --> 134Ba56 + 30Si14 + 117.483 MeV [30.352 MeV] (A_Gd:118)
152Gd64 + 6 D* --> 135Ba56 + 29Si14 + 113.846 MeV [26.715 MeV] (A_Gd:119)
152Gd64 + 6 D* --> 136Ba56 + 28Si14 + 114.480 MeV [27.349 MeV] (A_Gd:120)
152Gd64 + 6 D* --> 138Ce58 + 26Mg12 + 107.883 MeV [20.752 MeV] (A_Gd:121)
152Gd64 + 6 D* --> 140Ce58 + 24Mg12 + 106.117 MeV [18.986 MeV] (A_Gd:122)
152Gd64 + 6 D* --> 141Pr59 + 23Na11 + 99.651 MeV [12.520 MeV] (A_Gd:123)
152Gd64 + 6 D* --> 142Nd60 + 22Ne10 + 98.080 MeV [10.949 MeV] (A_Gd:124)
152Gd64 + 6 D* --> 143Nd60 + 21Ne10 + 93.839 MeV [6.709 MeV] (A_Gd:125)
152Gd64 + 6 D* --> 144Nd60 + 20Ne10 + 94.895 MeV [7.764 MeV] (A_Gd:126)
152Gd64 + 6 D* --> 147Sm62 + 17O8 + 84.181 MeV [-2.950 MeV] (A_Gd:127)
152Gd64 + 6 D* --> 148Sm62 + 16O8 + 88.179 MeV [1.049 MeV] (A_Gd:128)
152Gd64 + 6 D* --> 152Gd64 + 12C6 + 78.814 MeV [-8.316 MeV] (A_Gd:129)

152Gd64 + 7 D* --> 116Cd48 + 50V23 + 155.177 MeV [52.467 MeV] (A_Gd:130)
152Gd64 + 7 D* --> 123Sb51 + 43Ca20 + 144.869 MeV [42.159 MeV] (A_Gd:131)
152Gd64 + 7 D* --> 125Te52 + 41K19 + 141.817 MeV [39.107 MeV] (A_Gd:132)
152Gd64 + 7 D* --> 126Te52 + 40K19 + 140.836 MeV [38.126 MeV] (A_Gd:133)
152Gd64 + 7 D* --> 129Xe54 + 37Cl17 + 137.695 MeV [34.985 MeV] (A_Gd:134)
152Gd64 + 7 D* --> 131Xe54 + 35Cl17 + 134.665 MeV [31.955 MeV] (A_Gd:135)
152Gd64 + 7 D* --> 133Cs55 + 33S16 + 131.893 MeV [29.183 MeV] (A_Gd:136)
152Gd64 + 7 D* --> 135Ba56 + 31P15 + 129.527 MeV [26.817 MeV] (A_Gd:137)
152Gd64 + 7 D* --> 138La57 + 28Si14 + 125.253 MeV [22.543 MeV] (A_Gd:138)
152Gd64 + 7 D* --> 141Pr59 + 25Mg12 + 116.450 MeV [13.740 MeV] (A_Gd:139)
152Gd64 + 7 D* --> 143Nd60 + 23Na11 + 110.773 MeV [8.063 MeV] (A_Gd:140)
152Gd64 + 7 D* --> 147Sm62 + 19F9 + 97.995 MeV [-4.715 MeV] (A_Gd:141)
152Gd64 + 7 D* --> 152Gd64 + 14N7 + 89.087 MeV [-13.623 MeV] (A_Gd:142)
152Gd64 + 7 D* --> 156Dy66 + 10B5 + 75.715 MeV [-26.995 MeV] (A_Gd:143)

152Gd64 + 8 D* --> 84Kr36 + 84Kr36 + 195.234 MeV [76.648 MeV] (A_Gd:144)
152Gd64 + 8 D* --> 86Kr36 + 82Kr36 + 194.227 MeV [75.641 MeV] (A_Gd:145)
152Gd64 + 8 D* --> 87Rb37 + 81Br35 + 192.944 MeV [74.359 MeV] (A_Gd:146)
152Gd64 + 8 D* --> 86Sr38 + 82Se34 + 192.489 MeV [73.904 MeV] (A_Gd:147)
152Gd64 + 8 D* --> 88Sr38 + 80Se34 + 196.053 MeV [77.468 MeV] (A_Gd:148)
152Gd64 + 8 D* --> 92Zr40 + 76Ge32 + 192.038 MeV [73.453 MeV] (A_Gd:149)
152Gd64 + 8 D* --> 94Zr40 + 74Ge32 + 191.061 MeV [72.475 MeV] (A_Gd:150)
152Gd64 + 8 D* --> 96Zr40 + 72Ge32 + 188.400 MeV [69.815 MeV] (A_Gd:151)
152Gd64 + 8 D* --> 98Mo42 + 70Zn30 + 188.048 MeV [69.463 MeV] (A_Gd:152)
152Gd64 + 8 D* --> 100Mo42 + 68Zn30 + 186.563 MeV [67.978 MeV] (A_Gd:153)
152Gd64 + 8 D* --> 104Ru44 + 64Ni28 + 185.560 MeV [66.974 MeV] (A_Gd:154)
152Gd64 + 8 D* --> 110Pd46 + 58Fe26 + 180.874 MeV [62.289 MeV] (A_Gd:155)
152Gd64 + 8 D* --> 114Cd48 + 54Cr24 + 177.325 MeV [58.740 MeV] (A_Gd:156)
152Gd64 + 8 D* --> 116Cd48 + 52Cr24 + 174.508 MeV [55.923 MeV] (A_Gd:157)
152Gd64 + 8 D* --> 118Sn50 + 50Ti22 + 173.454 MeV [54.869 MeV] (A_Gd:158)
152Gd64 + 8 D* --> 119Sn50 + 49Ti22 + 168.999 MeV [50.413 MeV] (A_Gd:159)
152Gd64 + 8 D* --> 120Sn50 + 48Ti22 + 169.964 MeV [51.379 MeV] (A_Gd:160)

152Gd64 + 8 D* --> 122Sn50 + 46Ti22 + 164.441 MeV [45.856 MeV] (A_Gd:161)
152Gd64 + 8 D* --> 123Sb51 + 45Sc21 + 160.663 MeV [42.078 MeV] (A_Gd:162)
152Gd64 + 8 D* --> 120Te52 + 48Ca20 + 163.990 MeV [45.405 MeV] (A_Gd:163)
152Gd64 + 8 D* --> 122Te52 + 46Ca20 + 163.821 MeV [45.235 MeV] (A_Gd:164)
152Gd64 + 8 D* --> 124Te52 + 44Ca20 + 162.365 MeV [43.779 MeV] (A_Gd:165)
152Gd64 + 8 D* --> 125Te52 + 43Ca20 + 157.802 MeV [39.217 MeV] (A_Gd:166)
152Gd64 + 8 D* --> 126Te52 + 42Ca20 + 158.983 MeV [40.398 MeV] (A_Gd:167)
152Gd64 + 8 D* --> 128Te52 + 40Ca20 + 154.210 MeV [35.625 MeV] (A_Gd:168)
152Gd64 + 8 D* --> 127I53 + 41K19 + 154.914 MeV [36.328 MeV] (A_Gd:169)
152Gd64 + 8 D* --> 128Xe54 + 40Ar18 + 155.272 MeV [36.686 MeV] (A_Gd:170)
152Gd64 + 8 D* --> 130Xe54 + 38Ar18 + 154.968 MeV [36.382 MeV] (A_Gd:171)
152Gd64 + 8 D* --> 132Xe54 + 36Ar18 + 149.884 MeV [31.298 MeV] (A_Gd:172)
152Gd64 + 8 D* --> 133Cs55 + 35Cl17 + 147.456 MeV [28.871 MeV] (A_Gd:173)
152Gd64 + 8 D* --> 132Ba56 + 36S16 + 149.470 MeV [30.885 MeV] (A_Gd:174)
152Gd64 + 8 D* --> 134Ba56 + 34S16 + 149.253 MeV [30.668 MeV] (A_Gd:175)
152Gd64 + 8 D* --> 135Ba56 + 33S16 + 144.808 MeV [26.223 MeV] (A_Gd:176)
152Gd64 + 8 D* --> 136Ba56 + 32S16 + 145.274 MeV [26.689 MeV] (A_Gd:177)
152Gd64 + 8 D* --> 138Ce58 + 30Si14 + 142.373 MeV [23.788 MeV] (A_Gd:178)
152Gd64 + 8 D* --> 140Ce58 + 28Si14 + 139.948 MeV [21.362 MeV] (A_Gd:179)
152Gd64 + 8 D* --> 141Pr59 + 27Al13 + 133.589 MeV [15.004 MeV] (A_Gd:180)
152Gd64 + 8 D* --> 142Nd60 + 26Mg12 + 132.541 MeV [13.956 MeV] (A_Gd:181)
152Gd64 + 8 D* --> 143Nd60 + 25Mg12 + 127.572 MeV [8.986 MeV] (A_Gd:182)
152Gd64 + 8 D* --> 144Nd60 + 24Mg12 + 128.058 MeV [9.473 MeV] (A_Gd:183)
152Gd64 + 8 D* --> 147Sm62 + 21Ne10 + 115.375 MeV [-3.210 MeV] (A_Gd:184)
152Gd64 + 8 D* --> 148Sm62 + 20Ne10 + 116.756 MeV [-1.830 MeV] (A_Gd:185)
152Gd64 + 8 D* --> 152Gd64 + 16O8 + 109.823 MeV [-8.763 MeV] (A_Gd:186)
152Gd64 + 8 D* --> 156Dy66 + 12C6 + 100.901 MeV [-17.684 MeV] (A_Gd:187)

152Gd64 + 9 D* --> 87Rb37 + 83Kr36 + 208.087 MeV [73.332 MeV] (A_Gd:188)
152Gd64 + 9 D* --> 119Sn50 + 51V23 + 185.777 MeV [51.022 MeV] (A_Gd:189)
152Gd64 + 9 D* --> 120Sn50 + 50V23 + 183.834 MeV [49.079 MeV] (A_Gd:190)
152Gd64 + 9 D* --> 121Sb51 + 49Ti22 + 181.661 MeV [46.906 MeV] (A_Gd:191)
152Gd64 + 9 D* --> 123Sb51 + 47Ti22 + 177.664 MeV [42.909 MeV] (A_Gd:192)
152Gd64 + 9 D* --> 125Te52 + 45Sc21 + 173.597 MeV [38.842 MeV] (A_Gd:193)
152Gd64 + 9 D* --> 127I53 + 43Ca20 + 170.899 MeV [36.144 MeV] (A_Gd:194)
152Gd64 + 9 D* --> 129Xe54 + 41K19 + 167.764 MeV [33.009 MeV] (A_Gd:195)
152Gd64 + 9 D* --> 130Xe54 + 40K19 + 166.924 MeV [32.169 MeV] (A_Gd:196)
152Gd64 + 9 D* --> 131Xe54 + 39K19 + 165.730 MeV [30.975 MeV] (A_Gd:197)
152Gd64 + 9 D* --> 135Ba56 + 35Cl17 + 160.371 MeV [25.616 MeV] (A_Gd:198)
152Gd64 + 9 D* --> 138La57 + 32S16 + 156.048 MeV [21.293 MeV] (A_Gd:199)
152Gd64 + 9 D* --> 141Pr59 + 29Si14 + 151.423 MeV [16.668 MeV] (A_Gd:200)
152Gd64 + 9 D* --> 143Nd60 + 27Al13 + 144.711 MeV [9.957 MeV] (A_Gd:201)
152Gd64 + 9 D* --> 147Sm62 + 23Na11 + 132.309 MeV [-2.446 MeV] (A_Gd:202)
152Gd64 + 9 D* --> 156Dy66 + 14N7 + 111.174 MeV [-23.581 MeV] (A_Gd:203)

152Gd64 + 10 D* --> 86Kr36 + 86Sr38 + 224.432 MeV [73.216 MeV] (A_Gd:204)
152Gd64 + 10 D* --> 87Rb37 + 85Rb37 + 223.408 MeV [72.192 MeV] (A_Gd:205)
152Gd64 + 10 D* --> 86Sr38 + 86Kr36 + 224.432 MeV [73.216 MeV] (A_Gd:206)
152Gd64 + 10 D* --> 88Sr38 + 84Kr36 + 226.996 MeV [75.779 MeV] (A_Gd:207)
152Gd64 + 10 D* --> 90Zr40 + 82Se34 + 223.004 MeV [71.788 MeV] (A_Gd:208)
152Gd64 + 10 D* --> 92Zr40 + 80Se34 + 222.857 MeV [71.640 MeV] (A_Gd:209)
152Gd64 + 10 D* --> 94Zr40 + 78Se34 + 220.936 MeV [69.719 MeV] (A_Gd:210)
152Gd64 + 10 D* --> 96Zr40 + 76Se34 + 217.338 MeV [66.121 MeV] (A_Gd:211)
152Gd64 + 10 D* --> 96Mo42 + 76Ge32 + 218.647 MeV [67.430 MeV] (A_Gd:212)

152Gd64 + 10 D* --> 98Mo42 + 74Ge32 + 218.177 MeV [66.961 MeV] (A_Gd:213)
152Gd64 + 10 D* --> 100Mo42 + 72Ge32 + 215.413 MeV [64.197 MeV] (A_Gd:214)
152Gd64 + 10 D* --> 102Ru44 + 70Zn30 + 215.306 MeV [64.089 MeV] (A_Gd:215)
152Gd64 + 10 D* --> 104Ru44 + 68Zn30 + 214.739 MeV [63.523 MeV] (A_Gd:216)
152Gd64 + 10 D* --> 108Pd46 + 64Ni28 + 213.267 MeV [62.050 MeV] (A_Gd:217)
152Gd64 + 10 D* --> 110Pd46 + 62Ni28 + 211.738 MeV [60.522 MeV] (A_Gd:218)
152Gd64 + 10 D* --> 114Cd48 + 58Fe26 + 208.817 MeV [57.601 MeV] (A_Gd:219)
152Gd64 + 10 D* --> 116Cd48 + 56Fe26 + 205.968 MeV [54.751 MeV] (A_Gd:220)
152Gd64 + 10 D* --> 118Sn50 + 54Cr24 + 205.232 MeV [54.015 MeV] (A_Gd:221)
152Gd64 + 10 D* --> 119Sn50 + 53Cr24 + 201.996 MeV [50.780 MeV] (A_Gd:222)
152Gd64 + 10 D* --> 120Sn50 + 52Cr24 + 203.165 MeV [51.949 MeV] (A_Gd:223)
152Gd64 + 10 D* --> 122Sn50 + 50Cr24 + 196.848 MeV [45.632 MeV] (A_Gd:224)
152Gd64 + 10 D* --> 121Sb51 + 51V23 + 198.440 MeV [47.223 MeV] (A_Gd:225)
152Gd64 + 10 D* --> 122Te52 + 50Ti22 + 198.384 MeV [47.167 MeV] (A_Gd:226)
152Gd64 + 10 D* --> 123Te52 + 49Ti22 + 194.374 MeV [43.157 MeV] (A_Gd:227)
152Gd64 + 10 D* --> 124Te52 + 48Ti22 + 195.655 MeV [44.439 MeV] (A_Gd:228)
152Gd64 + 10 D* --> 125Te52 + 47Ti22 + 190.598 MeV [39.381 MeV] (A_Gd:229)
152Gd64 + 10 D* --> 126Te52 + 46Ti22 + 190.831 MeV [39.615 MeV] (A_Gd:230)
152Gd64 + 10 D* --> 127I53 + 45Sc21 + 186.694 MeV [35.477 MeV] (A_Gd:231)
152Gd64 + 10 D* --> 124Xe54 + 48Ca20 + 188.517 MeV [37.301 MeV] (A_Gd:232)
152Gd64 + 10 D* --> 126Xe54 + 46Ca20 + 188.947 MeV [37.730 MeV] (A_Gd:233)
152Gd64 + 10 D* --> 128Xe54 + 44Ca20 + 187.972 MeV [36.755 MeV] (A_Gd:234)
152Gd64 + 10 D* --> 129Xe54 + 43Ca20 + 183.749 MeV [32.533 MeV] (A_Gd:235)
152Gd64 + 10 D* --> 130Xe54 + 42Ca20 + 185.072 MeV [33.855 MeV] (A_Gd:236)
152Gd64 + 10 D* --> 132Xe54 + 40Ca20 + 180.770 MeV [29.553 MeV] (A_Gd:237)
152Gd64 + 10 D* --> 133Cs55 + 39K19 + 178.521 MeV [27.304 MeV] (A_Gd:238)
152Gd64 + 10 D* --> 132Ba56 + 40Ar18 + 180.118 MeV [28.901 MeV] (A_Gd:239)
152Gd64 + 10 D* --> 134Ba56 + 38Ar18 + 180.307 MeV [29.091 MeV] (A_Gd:240)
152Gd64 + 10 D* --> 136Ba56 + 36Ar18 + 175.761 MeV [24.545 MeV] (A_Gd:241)
152Gd64 + 10 D* --> 136Ce58 + 36S16 + 173.775 MeV [22.559 MeV] (A_Gd:242)
152Gd64 + 10 D* --> 138Ce58 + 34S16 + 174.143 MeV [22.927 MeV] (A_Gd:243)
152Gd64 + 10 D* --> 140Ce58 + 32S16 + 170.742 MeV [19.525 MeV] (A_Gd:244)
152Gd64 + 10 D* --> 141Pr59 + 31P15 + 167.105 MeV [15.888 MeV] (A_Gd:245)
152Gd64 + 10 D* --> 142Nd60 + 30Si14 + 167.031 MeV [15.815 MeV] (A_Gd:246)
152Gd64 + 10 D* --> 143Nd60 + 29Si14 + 162.546 MeV [11.329 MeV] (A_Gd:247)
152Gd64 + 10 D* --> 144Nd60 + 28Si14 + 161.889 MeV [10.672 MeV] (A_Gd:248)
152Gd64 + 10 D* --> 147Sm62 + 25Mg12 + 149.108 MeV [-2.109 MeV] (A_Gd:249)
152Gd64 + 10 D* --> 148Sm62 + 24Mg12 + 149.919 MeV [-1.298 MeV] (A_Gd:250)
152Gd64 + 10 D* --> 152Gd64 + 20Ne10 + 138.399 MeV [-12.817 MeV] (A_Gd:251)
152Gd64 + 10 D* --> 156Dy66 + 16O8 + 131.910 MeV [-19.307 MeV] (A_Gd:252)

152Gd64 + 11 D* --> 87Rb37 + 87Sr38 + 239.257 MeV [71.289 MeV] (A_Gd:253)
152Gd64 + 11 D* --> 87Sr38 + 87Rb37 + 239.257 MeV [71.289 MeV] (A_Gd:254)
152Gd64 + 11 D* --> 119Sn50 + 55Mn25 + 217.558 MeV [49.589 MeV] (A_Gd:255)
152Gd64 + 11 D* --> 121Sb51 + 53Cr24 + 214.659 MeV [46.690 MeV] (A_Gd:256)
152Gd64 + 11 D* --> 123Te52 + 51V23 + 211.152 MeV [43.184 MeV] (A_Gd:257)
152Gd64 + 11 D* --> 124Te52 + 50V23 + 209.525 MeV [41.557 MeV] (A_Gd:258)
152Gd64 + 11 D* --> 127I53 + 47Ti22 + 203.694 MeV [35.726 MeV] (A_Gd:259)
152Gd64 + 11 D* --> 129Xe54 + 45Sc21 + 199.544 MeV [31.576 MeV] (A_Gd:260)
152Gd64 + 11 D* --> 134Ba56 + 40K19 + 192.264 MeV [24.296 MeV] (A_Gd:261)
152Gd64 + 11 D* --> 135Ba56 + 39K19 + 191.436 MeV [23.468 MeV] (A_Gd:262)
152Gd64 + 11 D* --> 138La57 + 36Ar18 + 186.535 MeV [18.567 MeV] (A_Gd:263)
152Gd64 + 11 D* --> 141Pr59 + 33S16 + 182.386 MeV [14.417 MeV] (A_Gd:264)
152Gd64 + 11 D* --> 143Nd60 + 31P15 + 178.227 MeV [10.259 MeV] (A_Gd:265)

152Gd64 + 11 D* --> 147Sm62 + 27Al13 + 166.247 MeV [-1.721 MeV] (A_Gd:266)

152Gd64 + 12 D* --> 88Sr38 + 88Sr38 + 258.758 MeV [73.750 MeV] (A_Gd:267)
152Gd64 + 12 D* --> 89Y39 + 87Rb37 + 255.214 MeV [70.206 MeV] (A_Gd:268)
152Gd64 + 12 D* --> 90Zr40 + 86Kr36 + 254.947 MeV [69.939 MeV] (A_Gd:269)
152Gd64 + 12 D* --> 92Zr40 + 84Kr36 + 253.799 MeV [68.791 MeV] (A_Gd:270)
152Gd64 + 12 D* --> 94Zr40 + 82Kr36 + 250.771 MeV [65.763 MeV] (A_Gd:271)
152Gd64 + 12 D* --> 96Zr40 + 80Kr36 + 246.250 MeV [61.242 MeV] (A_Gd:272)
152Gd64 + 12 D* --> 94Mo42 + 82Se34 + 248.918 MeV [63.910 MeV] (A_Gd:273)
152Gd64 + 12 D* --> 96Mo42 + 80Se34 + 249.465 MeV [64.457 MeV] (A_Gd:274)
152Gd64 + 12 D* --> 98Mo42 + 78Se34 + 248.052 MeV [63.044 MeV] (A_Gd:275)
152Gd64 + 12 D* --> 100Mo42 + 76Se34 + 244.351 MeV [59.343 MeV] (A_Gd:276)
152Gd64 + 12 D* --> 100Ru44 + 76Ge32 + 245.346 MeV [60.338 MeV] (A_Gd:277)
152Gd64 + 12 D* --> 102Ru44 + 74Ge32 + 245.435 MeV [60.427 MeV] (A_Gd:278)
152Gd64 + 12 D* --> 104Ru44 + 72Ge32 + 243.589 MeV [58.581 MeV] (A_Gd:279)
152Gd64 + 12 D* --> 106Pd46 + 70Zn30 + 242.382 MeV [57.373 MeV] (A_Gd:280)
152Gd64 + 12 D* --> 108Pd46 + 68Zn30 + 242.446 MeV [57.438 MeV] (A_Gd:281)
152Gd64 + 12 D* --> 110Pd46 + 66Zn30 + 240.163 MeV [55.155 MeV] (A_Gd:282)
152Gd64 + 12 D* --> 112Cd48 + 64Ni28 + 240.594 MeV [55.586 MeV] (A_Gd:283)
152Gd64 + 12 D* --> 114Cd48 + 62Ni28 + 239.681 MeV [54.673 MeV] (A_Gd:284)
152Gd64 + 12 D* --> 116Cd48 + 60Ni28 + 236.106 MeV [51.098 MeV] (A_Gd:285)
152Gd64 + 12 D* --> 118Sn50 + 58Fe26 + 236.724 MeV [51.716 MeV] (A_Gd:286)
152Gd64 + 12 D* --> 119Sn50 + 57Fe26 + 233.163 MeV [48.155 MeV] (A_Gd:287)
152Gd64 + 12 D* --> 120Sn50 + 56Fe26 + 234.625 MeV [49.617 MeV] (A_Gd:288)
152Gd64 + 12 D* --> 122Sn50 + 54Fe26 + 229.113 MeV [44.105 MeV] (A_Gd:289)
152Gd64 + 12 D* --> 121Sb51 + 55Mn25 + 230.220 MeV [45.212 MeV] (A_Gd:290)
152Gd64 + 12 D* --> 122Te52 + 54Cr24 + 230.161 MeV [45.153 MeV] (A_Gd:291)
152Gd64 + 12 D* --> 123Te52 + 53Cr24 + 227.371 MeV [42.363 MeV] (A_Gd:292)
152Gd64 + 12 D* --> 124Te52 + 52Cr24 + 228.856 MeV [43.848 MeV] (A_Gd:293)
152Gd64 + 12 D* --> 126Te52 + 50Cr24 + 223.239 MeV [38.230 MeV] (A_Gd:294)
152Gd64 + 12 D* --> 126Xe54 + 50Ti22 + 223.510 MeV [38.502 MeV] (A_Gd:295)
152Gd64 + 12 D* --> 128Xe54 + 48Ti22 + 221.262 MeV [36.254 MeV] (A_Gd:296)
152Gd64 + 12 D* --> 129Xe54 + 47Ti22 + 216.544 MeV [31.536 MeV] (A_Gd:297)
152Gd64 + 12 D* --> 130Xe54 + 46Ti22 + 216.920 MeV [31.911 MeV] (A_Gd:298)
152Gd64 + 12 D* --> 130Ba56 + 46Ca20 + 213.311 MeV [28.303 MeV] (A_Gd:299)
152Gd64 + 12 D* --> 132Ba56 + 44Ca20 + 212.818 MeV [27.810 MeV] (A_Gd:300)
152Gd64 + 12 D* --> 134Ba56 + 42Ca20 + 210.411 MeV [25.403 MeV] (A_Gd:301)
152Gd64 + 12 D* --> 136Ba56 + 40Ca20 + 206.648 MeV [21.640 MeV] (A_Gd:302)
152Gd64 + 12 D* --> 136Ce58 + 40Ar18 + 204.423 MeV [19.415 MeV] (A_Gd:303)
152Gd64 + 12 D* --> 138Ce58 + 38Ar18 + 205.198 MeV [20.189 MeV] (A_Gd:304)
152Gd64 + 12 D* --> 140Ce58 + 36Ar18 + 201.229 MeV [16.221 MeV] (A_Gd:305)
152Gd64 + 12 D* --> 141Pr59 + 35Cl17 + 197.949 MeV [12.941 MeV] (A_Gd:306)
152Gd64 + 12 D* --> 142Nd60 + 34S16 + 198.801 MeV [13.793 MeV] (A_Gd:307)
152Gd64 + 12 D* --> 143Nd60 + 33S16 + 193.508 MeV [8.500 MeV] (A_Gd:308)
152Gd64 + 12 D* --> 144Nd60 + 32S16 + 192.683 MeV [7.675 MeV] (A_Gd:309)
152Gd64 + 12 D* --> 147Sm62 + 29Si14 + 184.082 MeV [-0.927 MeV] (A_Gd:310)
152Gd64 + 12 D* --> 148Sm62 + 28Si14 + 183.749 MeV [-1.259 MeV] (A_Gd:311)
152Gd64 + 12 D* --> 152Gd64 + 24Mg12 + 171.562 MeV [-13.446 MeV] (A_Gd:312)
152Gd64 + 12 D* --> 156Dy66 + 20Ne10 + 160.486 MeV [-24.522 MeV] (A_Gd:313)

154Gd64 + D* --> 137Ba56 + 19F9 + 28.631 MeV [14.935 MeV] (A_Gd:314)
154Gd64 + D* --> 138La57 + 18O8 + 26.729 MeV [13.033 MeV] (A_Gd:315)
154Gd64 + D* --> 139La57 + 17O8 + 27.463 MeV [13.767 MeV] (A_Gd:316)
154Gd64 + D* --> 142Ce58 + 14N7 + 21.098 MeV [7.402 MeV] (A_Gd:317)

154Gd64 + D* --> 145Nd60 + 11B5 + 12.192 MeV [-1.504 MeV] (A_Gd:318)
154Gd64 + D* --> 146Nd60 + 10B5 + 8.303 MeV [-5.393 MeV] (A_Gd:319)
154Gd64 + D* --> 149Sm62 + 7Li3 + 1.656 MeV [-12.040 MeV] (A_Gd:320)
154Gd64 + D* --> 150Sm62 + 6Li3 + 2.393 MeV [-11.303 MeV] (A_Gd:321)
154Gd64 + D* --> 155Gd64 + 1H1 + 4.211 MeV [-9.485 MeV] (A_Gd:322)

154Gd64 + 2 D* --> 82Se34 + 76Ge32 + 103.365 MeV [75.663 MeV] (A_Gd:323)
154Gd64 + 2 D* --> 110Pd46 + 48Ca20 + 85.122 MeV [57.420 MeV] (A_Gd:324)
154Gd64 + 2 D* --> 122Sn50 + 36S16 + 73.168 MeV [45.466 MeV] (A_Gd:325)
154Gd64 + 2 D* --> 124Sn50 + 34S16 + 70.727 MeV [43.025 MeV] (A_Gd:326)
154Gd64 + 2 D* --> 128Te52 + 30Si14 + 65.983 MeV [38.281 MeV] (A_Gd:327)
154Gd64 + 2 D* --> 130Te52 + 28Si14 + 61.402 MeV [33.700 MeV] (A_Gd:328)
154Gd64 + 2 D* --> 132Xe54 + 26Mg12 + 58.053 MeV [30.351 MeV] (A_Gd:329)
154Gd64 + 2 D* --> 134Xe54 + 24Mg12 + 54.616 MeV [26.914 MeV] (A_Gd:330)
154Gd64 + 2 D* --> 136Ba56 + 22Ne10 + 49.470 MeV [21.768 MeV] (A_Gd:331)
154Gd64 + 2 D* --> 137Ba56 + 21Ne10 + 46.011 MeV [18.309 MeV] (A_Gd:332)
154Gd64 + 2 D* --> 138Ba56 + 20Ne10 + 47.862 MeV [20.160 MeV] (A_Gd:333)
154Gd64 + 2 D* --> 139La57 + 19F9 + 41.277 MeV [13.575 MeV] (A_Gd:334)
154Gd64 + 2 D* --> 140Ce58 + 18O8 + 41.423 MeV [13.721 MeV] (A_Gd:335)
154Gd64 + 2 D* --> 142Ce58 + 16O8 + 41.834 MeV [14.132 MeV] (A_Gd:336)
154Gd64 + 2 D* --> 145Nd60 + 13C6 + 30.870 MeV [3.168 MeV] (A_Gd:337)
154Gd64 + 2 D* --> 146Nd60 + 12C6 + 33.489 MeV [5.787 MeV] (A_Gd:338)
154Gd64 + 2 D* --> 149Sm62 + 9Be4 + 18.352 MeV [-9.349 MeV] (A_Gd:339)
154Gd64 + 2 D* --> 151Eu63 + 7Li3 + 12.309 MeV [-15.393 MeV] (A_Gd:340)
154Gd64 + 2 D* --> 154Gd64 + 4He2 + 23.847 MeV [-3.855 MeV] (A_Gd:341)
154Gd64 + 2 D* --> 155Gd64 + 3He2 + 9.704 MeV [-17.998 MeV] (A_Gd:342)
154Gd64 + 2 D* --> 158Dy66 + 22.970 MeV [-4.732 MeV] (A_Gd:343)

154Gd64 + 3 D* --> 137Ba56 + 23Na11 + 62.945 MeV [20.929 MeV] (A_Gd:344)
154Gd64 + 3 D* --> 138La57 + 22Ne10 + 60.243 MeV [18.228 MeV] (A_Gd:345)
154Gd64 + 3 D* --> 139La57 + 21Ne10 + 58.657 MeV [16.641 MeV] (A_Gd:346)
154Gd64 + 3 D* --> 145Nd60 + 15N7 + 47.030 MeV [5.014 MeV] (A_Gd:347)
154Gd64 + 3 D* --> 146Nd60 + 14N7 + 43.762 MeV [1.746 MeV] (A_Gd:348)
154Gd64 + 3 D* --> 149Sm62 + 11B5 + 34.168 MeV [-7.848 MeV] (A_Gd:349)
154Gd64 + 3 D* --> 150Sm62 + 10B5 + 30.701 MeV [-11.315 MeV] (A_Gd:350)
154Gd64 + 3 D* --> 151Eu63 + 9Be4 + 29.005 MeV [-13.010 MeV] (A_Gd:351)
154Gd64 + 3 D* --> 154Gd64 + 6Li3 + 25.320 MeV [-16.695 MeV] (A_Gd:352)
154Gd64 + 3 D* --> 158Dy66 + 2H1 + 22.970 MeV [-19.045 MeV] (A_Gd:353)

154Gd64 + 4 D* --> 82Se34 + 80Se34 + 134.184 MeV [77.549 MeV] (A_Gd:354)
154Gd64 + 4 D* --> 86Kr36 + 76Ge32 + 135.308 MeV [78.674 MeV] (A_Gd:355)
154Gd64 + 4 D* --> 114Cd48 + 48Ca20 + 113.065 MeV [56.430 MeV] (A_Gd:356)
154Gd64 + 4 D* --> 116Cd48 + 46Ca20 + 110.684 MeV [54.049 MeV] (A_Gd:357)
154Gd64 + 4 D* --> 122Sn50 + 40Ar18 + 103.816 MeV [47.181 MeV] (A_Gd:358)
154Gd64 + 4 D* --> 124Sn50 + 38Ar18 + 101.781 MeV [45.146 MeV] (A_Gd:359)
154Gd64 + 4 D* --> 126Te52 + 36S16 + 99.558 MeV [42.924 MeV] (A_Gd:360)
154Gd64 + 4 D* --> 128Te52 + 34S16 + 97.754 MeV [41.119 MeV] (A_Gd:361)
154Gd64 + 4 D* --> 130Te52 + 32S16 + 92.197 MeV [35.562 MeV] (A_Gd:362)
154Gd64 + 4 D* --> 132Xe54 + 30Si14 + 92.543 MeV [35.908 MeV] (A_Gd:363)
154Gd64 + 4 D* --> 134Xe54 + 28Si14 + 88.447 MeV [31.812 MeV] (A_Gd:364)
154Gd64 + 4 D* --> 136Ba56 + 26Mg12 + 83.931 MeV [27.297 MeV] (A_Gd:365)
154Gd64 + 4 D* --> 137Ba56 + 25Mg12 + 79.744 MeV [23.109 MeV] (A_Gd:366)
154Gd64 + 4 D* --> 138Ba56 + 24Mg12 + 81.025 MeV [24.390 MeV] (A_Gd:367)
154Gd64 + 4 D* --> 139La57 + 23Na11 + 75.591 MeV [18.956 MeV] (A_Gd:368)

154Gd64 + 4 D* --> 140Ce58 + 22Ne10 + 74.938 MeV [18.303 MeV] (A_Gd:369)
154Gd64 + 4 D* --> 142Ce58 + 20Ne10 + 70.410 MeV [13.775 MeV] (A_Gd:370)
154Gd64 + 4 D* --> 144Nd60 + 18O8 + 63.364 MeV [6.730 MeV] (A_Gd:371)
154Gd64 + 4 D* --> 145Nd60 + 17O8 + 61.076 MeV [4.441 MeV] (A_Gd:372)
154Gd64 + 4 D* --> 146Nd60 + 16O8 + 64.498 MeV [7.863 MeV] (A_Gd:373)
154Gd64 + 4 D* --> 149Sm62 + 13C6 + 52.847 MeV [-3.788 MeV] (A_Gd:374)
154Gd64 + 4 D* --> 150Sm62 + 12C6 + 55.887 MeV [-0.748 MeV] (A_Gd:375)
154Gd64 + 4 D* --> 151Eu63 + 11B5 + 44.821 MeV [-11.814 MeV] (A_Gd:376)
154Gd64 + 4 D* --> 158Dy66 + 4He2 + 46.817 MeV [-9.818 MeV] (A_Gd:377)
154Gd64 + 4 D* --> 162Er68 + 45.172 MeV [-11.462 MeV] (A_Gd:378)

154Gd64 + 5 D* --> 124Sn50 + 40K19 + 113.737 MeV [42.181 MeV] (A_Gd:379)
154Gd64 + 5 D* --> 137Ba56 + 27Al13 + 96.883 MeV [25.327 MeV] (A_Gd:380)
154Gd64 + 5 D* --> 138La57 + 26Mg12 + 94.705 MeV [23.148 MeV] (A_Gd:381)
154Gd64 + 5 D* --> 139La57 + 25Mg12 + 92.390 MeV [20.833 MeV] (A_Gd:382)
154Gd64 + 5 D* --> 145Nd60 + 19F9 + 74.890 MeV [3.333 MeV] (A_Gd:383)
154Gd64 + 5 D* --> 149Sm62 + 15N7 + 69.006 MeV [-2.551 MeV] (A_Gd:384)
154Gd64 + 5 D* --> 150Sm62 + 14N7 + 66.159 MeV [-5.397 MeV] (A_Gd:385)
154Gd64 + 5 D* --> 151Eu63 + 13C6 + 63.499 MeV [-8.057 MeV] (A_Gd:386)
154Gd64 + 5 D* --> 154Gd64 + 10B5 + 53.628 MeV [-17.929 MeV] (A_Gd:387)
154Gd64 + 5 D* --> 158Dy66 + 6Li3 + 48.291 MeV [-23.266 MeV] (A_Gd:388)
154Gd64 + 5 D* --> 162Er68 + 2H1 + 45.172 MeV [-26.384 MeV] (A_Gd:389)

154Gd64 + 6 D* --> 84Kr36 + 82Se34 + 165.126 MeV [78.347 MeV] (A_Gd:390)
154Gd64 + 6 D* --> 86Kr36 + 80Se34 + 166.127 MeV [79.347 MeV] (A_Gd:391)
154Gd64 + 6 D* --> 96Zr40 + 70Zn30 + 160.109 MeV [73.329 MeV] (A_Gd:392)
154Gd64 + 6 D* --> 116Cd48 + 50Ti22 + 145.247 MeV [58.468 MeV] (A_Gd:393)
154Gd64 + 6 D* --> 118Sn50 + 48Ca20 + 140.971 MeV [54.192 MeV] (A_Gd:394)
154Gd64 + 6 D* --> 120Sn50 + 46Ca20 + 139.341 MeV [52.562 MeV] (A_Gd:395)
154Gd64 + 6 D* --> 122Sn50 + 44Ca20 + 136.516 MeV [49.736 MeV] (A_Gd:396)
154Gd64 + 6 D* --> 124Sn50 + 42Ca20 + 131.885 MeV [45.106 MeV] (A_Gd:397)
154Gd64 + 6 D* --> 126Te52 + 40Ar18 + 130.206 MeV [43.426 MeV] (A_Gd:398)
154Gd64 + 6 D* --> 128Te52 + 38Ar18 + 128.808 MeV [42.028 MeV] (A_Gd:399)
154Gd64 + 6 D* --> 130Te52 + 36Ar18 + 122.684 MeV [35.905 MeV] (A_Gd:400)
154Gd64 + 6 D* --> 130Xe54 + 36S16 + 125.647 MeV [38.867 MeV] (A_Gd:401)
154Gd64 + 6 D* --> 132Xe54 + 34S16 + 124.313 MeV [37.534 MeV] (A_Gd:402)
154Gd64 + 6 D* --> 134Xe54 + 32S16 + 119.241 MeV [32.462 MeV] (A_Gd:403)
154Gd64 + 6 D* --> 136Ba56 + 30Si14 + 118.421 MeV [31.642 MeV] (A_Gd:404)
154Gd64 + 6 D* --> 137Ba56 + 29Si14 + 114.717 MeV [27.938 MeV] (A_Gd:405)
154Gd64 + 6 D* --> 138Ba56 + 28Si14 + 114.856 MeV [28.076 MeV] (A_Gd:406)
154Gd64 + 6 D* --> 139La57 + 27Al13 + 109.529 MeV [22.750 MeV] (A_Gd:407)
154Gd64 + 6 D* --> 140Ce58 + 26Mg12 + 109.399 MeV [22.620 MeV] (A_Gd:408)
154Gd64 + 6 D* --> 142Ce58 + 24Mg12 + 103.573 MeV [16.794 MeV] (A_Gd:409)
154Gd64 + 6 D* --> 144Nd60 + 22Ne10 + 96.879 MeV [10.100 MeV] (A_Gd:410)
154Gd64 + 6 D* --> 145Nd60 + 21Ne10 + 92.270 MeV [5.491 MeV] (A_Gd:411)
154Gd64 + 6 D* --> 146Nd60 + 20Ne10 + 93.074 MeV [6.295 MeV] (A_Gd:412)
154Gd64 + 6 D* --> 148Sm62 + 18O8 + 85.225 MeV [-1.555 MeV] (A_Gd:413)
154Gd64 + 6 D* --> 149Sm62 + 17O8 + 83.052 MeV [-3.728 MeV] (A_Gd:414)
154Gd64 + 6 D* --> 150Sm62 + 16O8 + 86.895 MeV [00.116 MeV] (A_Gd:415)
154Gd64 + 6 D* --> 151Eu63 + 15N7 + 79.659 MeV [-7.121 MeV] (A_Gd:416)
154Gd64 + 6 D* --> 154Gd64 + 12C6 + 78.814 MeV [-7.965 MeV] (A_Gd:417)
154Gd64 + 6 D* --> 162Er68 + 4He2 + 69.019 MeV [-17.761 MeV] (A_Gd:418)

154Gd64 + 7 D* --> 128Te52 + 40K19 + 140.764 MeV [38.463 MeV] (A_Gd:419)

154Gd64 + 7 D* --> 131Xe54 + 37Cl17 + 138.414 MeV [36.113 MeV] (A_Gd:420)
154Gd64 + 7 D* --> 137Ba56 + 31P15 + 130.399 MeV [28.098 MeV] (A_Gd:421)
154Gd64 + 7 D* --> 138La57 + 30Si14 + 129.194 MeV [26.894 MeV] (A_Gd:422)
154Gd64 + 7 D* --> 139La57 + 29Si14 + 127.363 MeV [25.063 MeV] (A_Gd:423)
154Gd64 + 7 D* --> 145Nd60 + 23Na11 + 109.204 MeV [6.903 MeV] (A_Gd:424)
154Gd64 + 7 D* --> 149Sm62 + 19F9 + 96.866 MeV [-5.435 MeV] (A_Gd:425)
154Gd64 + 7 D* --> 151Eu63 + 17O8 + 93.705 MeV [-8.596 MeV] (A_Gd:426)
154Gd64 + 7 D* --> 154Gd64 + 14N7 + 89.087 MeV [-13.214 MeV] (A_Gd:427)
154Gd64 + 7 D* --> 158Dy66 + 10B5 + 76.598 MeV [-25.703 MeV] (A_Gd:428)
154Gd64 + 7 D* --> 162Er68 + 6Li3 + 70.493 MeV [-31.808 MeV] (A_Gd:429)

154Gd64 + 8 D* --> 86Kr36 + 84Kr36 + 197.069 MeV [78.951 MeV] (A_Gd:430)
154Gd64 + 8 D* --> 88Sr38 + 82Se34 + 196.888 MeV [78.770 MeV] (A_Gd:431)
154Gd64 + 8 D* --> 94Zr40 + 76Ge32 + 191.852 MeV [73.734 MeV] (A_Gd:432)
154Gd64 + 8 D* --> 96Zr40 + 74Ge32 + 190.238 MeV [72.119 MeV] (A_Gd:433)
154Gd64 + 8 D* --> 100Mo42 + 70Zn30 + 187.122 MeV [69.003 MeV] (A_Gd:434)
154Gd64 + 8 D* --> 116Cd48 + 54Cr24 + 177.024 MeV [58.906 MeV] (A_Gd:435)
154Gd64 + 8 D* --> 120Sn50 + 50Ti22 + 173.904 MeV [55.786 MeV] (A_Gd:436)
154Gd64 + 8 D* --> 122Sn50 + 48Ti22 + 169.806 MeV [51.688 MeV] (A_Gd:437)
154Gd64 + 8 D* --> 124Sn50 + 46Ti22 + 163.733 MeV [45.614 MeV] (A_Gd:438)
154Gd64 + 8 D* --> 122Te52 + 48Ca20 + 165.901 MeV [47.782 MeV] (A_Gd:439)
154Gd64 + 8 D* --> 124Te52 + 46Ca20 + 165.032 MeV [46.914 MeV] (A_Gd:440)
154Gd64 + 8 D* --> 126Te52 + 44Ca20 + 162.906 MeV [44.787 MeV] (A_Gd:441)
154Gd64 + 8 D* --> 128Te52 + 42Ca20 + 158.912 MeV [40.793 MeV] (A_Gd:442)
154Gd64 + 8 D* --> 130Te52 + 40Ca20 + 153.570 MeV [35.452 MeV] (A_Gd:443)
154Gd64 + 8 D* --> 130Xe54 + 40Ar18 + 156.294 MeV [38.176 MeV] (A_Gd:444)
154Gd64 + 8 D* --> 132Xe54 + 38Ar18 + 155.368 MeV [37.249 MeV] (A_Gd:445)
154Gd64 + 8 D* --> 134Xe54 + 36Ar18 + 149.729 MeV [31.610 MeV] (A_Gd:446)
154Gd64 + 8 D* --> 133Cs55 + 37Cl17 + 151.205 MeV [33.087 MeV] (A_Gd:447)
154Gd64 + 8 D* --> 134Ba56 + 36S16 + 150.986 MeV [32.868 MeV] (A_Gd:448)
154Gd64 + 8 D* --> 136Ba56 + 34S16 + 150.191 MeV [32.073 MeV] (A_Gd:449)
154Gd64 + 8 D* --> 137Ba56 + 33S16 + 145.680 MeV [27.561 MeV] (A_Gd:450)
154Gd64 + 8 D* --> 138Ba56 + 32S16 + 145.650 MeV [27.531 MeV] (A_Gd:451)
154Gd64 + 8 D* --> 139La57 + 31P15 + 143.045 MeV [24.926 MeV] (A_Gd:452)
154Gd64 + 8 D* --> 140Ce58 + 30Si14 + 143.889 MeV [25.770 MeV] (A_Gd:453)
154Gd64 + 8 D* --> 142Ce58 + 28Si14 + 137.404 MeV [19.285 MeV] (A_Gd:454)
154Gd64 + 8 D* --> 144Nd60 + 26Mg12 + 131.340 MeV [13.222 MeV] (A_Gd:455)
154Gd64 + 8 D* --> 145Nd60 + 25Mg12 + 126.003 MeV [7.884 MeV] (A_Gd:456)
154Gd64 + 8 D* --> 146Nd60 + 24Mg12 + 126.237 MeV [8.119 MeV] (A_Gd:457)
154Gd64 + 8 D* --> 148Sm62 + 22Ne10 + 118.739 MeV [00.621 MeV] (A_Gd:458)
154Gd64 + 8 D* --> 149Sm62 + 21Ne10 + 114.246 MeV [-3.872 MeV] (A_Gd:459)
154Gd64 + 8 D* --> 150Sm62 + 20Ne10 + 115.472 MeV [-2.647 MeV] (A_Gd:460)
154Gd64 + 8 D* --> 151Eu63 + 19F9 + 107.519 MeV [-10.599 MeV] (A_Gd:461)
154Gd64 + 8 D* --> 152Gd64 + 18O8 + 106.868 MeV [-11.250 MeV] (A_Gd:462)
154Gd64 + 8 D* --> 154Gd64 + 16O8 + 109.823 MeV [-8.296 MeV] (A_Gd:463)
154Gd64 + 8 D* --> 158Dy66 + 12C6 + 101.785 MeV [-16.334 MeV] (A_Gd:464)

154Gd64 + 9 D* --> 122Sn50 + 50V23 + 183.676 MeV [49.445 MeV] (A_Gd:465)
154Gd64 + 9 D* --> 123Sb51 + 49Ti22 + 182.291 MeV [48.061 MeV] (A_Gd:466)
154Gd64 + 9 D* --> 131Xe54 + 41K19 + 168.483 MeV [34.252 MeV] (A_Gd:467)
154Gd64 + 9 D* --> 132Xe54 + 40K19 + 167.324 MeV [33.093 MeV] (A_Gd:468)
154Gd64 + 9 D* --> 135Ba56 + 37Cl17 + 164.120 MeV [29.890 MeV] (A_Gd:469)
154Gd64 + 9 D* --> 137Ba56 + 35Cl17 + 161.243 MeV [27.013 MeV] (A_Gd:470)
154Gd64 + 9 D* --> 138La57 + 34S16 + 160.965 MeV [26.734 MeV] (A_Gd:471)

154Gd64 + 9 D* --> 139La57 + 33S16 + 158.326 MeV [24.095 MeV] (A_Gd:472)
154Gd64 + 9 D* --> 145Nd60 + 27Al13 + 143.142 MeV [8.912 MeV] (A_Gd:473)
154Gd64 + 9 D* --> 149Sm62 + 23Na11 + 131.180 MeV [-3.050 MeV] (A_Gd:474)
154Gd64 + 9 D* --> 151Eu63 + 21Ne10 + 124.899 MeV [-9.331 MeV] (A_Gd:475)
154Gd64 + 9 D* --> 158Dy66 + 14N7 + 112.057 MeV [-22.174 MeV] (A_Gd:476)
154Gd64 + 9 D* --> 162Er68 + 10B5 + 98.800 MeV [-35.430 MeV] (A_Gd:477)

154Gd64 + 10 D* --> 87Rb37 + 87Rb37 + 226.840 MeV [76.205 MeV] (A_Gd:478)
154Gd64 + 10 D* --> 88Sr38 + 86Kr36 + 228.831 MeV [78.196 MeV] (A_Gd:479)
154Gd64 + 10 D* --> 92Zr40 + 82Se34 + 223.692 MeV [73.057 MeV] (A_Gd:480)
154Gd64 + 10 D* --> 94Zr40 + 80Se34 + 222.671 MeV [72.036 MeV] (A_Gd:481)
154Gd64 + 10 D* --> 96Zr40 + 78Se34 + 220.113 MeV [69.478 MeV] (A_Gd:482)
154Gd64 + 10 D* --> 98Mo42 + 76Ge32 + 218.969 MeV [68.334 MeV] (A_Gd:483)
154Gd64 + 10 D* --> 100Mo42 + 74Ge32 + 217.251 MeV [66.616 MeV] (A_Gd:484)
154Gd64 + 10 D* --> 104Ru44 + 70Zn30 + 215.298 MeV [64.663 MeV] (A_Gd:485)
154Gd64 + 10 D* --> 110Pd46 + 64Ni28 + 213.092 MeV [62.458 MeV] (A_Gd:486)
154Gd64 + 10 D* --> 116Cd48 + 58Fe26 + 208.517 MeV [57.882 MeV] (A_Gd:487)
154Gd64 + 10 D* --> 120Sn50 + 54Cr24 + 205.682 MeV [55.047 MeV] (A_Gd:488)
154Gd64 + 10 D* --> 122Sn50 + 52Cr24 + 203.007 MeV [52.372 MeV] (A_Gd:489)
154Gd64 + 10 D* --> 124Sn50 + 50Cr24 + 196.140 MeV [45.505 MeV] (A_Gd:490)
154Gd64 + 10 D* --> 123Sb51 + 51V23 + 199.069 MeV [48.435 MeV] (A_Gd:491)
154Gd64 + 10 D* --> 124Te52 + 50Ti22 + 199.595 MeV [48.960 MeV] (A_Gd:492)
154Gd64 + 10 D* --> 125Te52 + 49Ti22 + 195.225 MeV [44.590 MeV] (A_Gd:493)
154Gd64 + 10 D* --> 126Te52 + 48Ti22 + 196.196 MeV [45.561 MeV] (A_Gd:494)
154Gd64 + 10 D* --> 128Te52 + 46Ti22 + 190.760 MeV [40.125 MeV] (A_Gd:495)
154Gd64 + 10 D* --> 126Xe54 + 48Ca20 + 191.027 MeV [40.392 MeV] (A_Gd:496)
154Gd64 + 10 D* --> 128Xe54 + 46Ca20 + 190.639 MeV [40.004 MeV] (A_Gd:497)
154Gd64 + 10 D* --> 130Xe54 + 44Ca20 + 188.994 MeV [38.359 MeV] (A_Gd:498)
154Gd64 + 10 D* --> 131Xe54 + 43Ca20 + 184.468 MeV [33.833 MeV] (A_Gd:499)
154Gd64 + 10 D* --> 132Xe54 + 42Ca20 + 185.472 MeV [34.837 MeV] (A_Gd:500)
154Gd64 + 10 D* --> 134Xe54 + 40Ca20 + 180.615 MeV [29.980 MeV] (A_Gd:501)
154Gd64 + 10 D* --> 133Cs55 + 41K19 + 181.274 MeV [30.639 MeV] (A_Gd:502)
154Gd64 + 10 D* --> 134Ba56 + 40Ar18 + 181.634 MeV [30.999 MeV] (A_Gd:503)
154Gd64 + 10 D* --> 136Ba56 + 38Ar18 + 181.245 MeV [30.611 MeV] (A_Gd:504)
154Gd64 + 10 D* --> 138Ba56 + 36Ar18 + 176.137 MeV [25.502 MeV] (A_Gd:505)
154Gd64 + 10 D* --> 139La57 + 35Cl17 + 173.889 MeV [23.254 MeV] (A_Gd:506)
154Gd64 + 10 D* --> 138Ce58 + 36S16 + 175.877 MeV [25.242 MeV] (A_Gd:507)
154Gd64 + 10 D* --> 140Ce58 + 34S16 + 175.659 MeV [25.024 MeV] (A_Gd:508)
154Gd64 + 10 D* --> 142Ce58 + 32S16 + 168.198 MeV [17.563 MeV] (A_Gd:509)
154Gd64 + 10 D* --> 144Nd60 + 30Si14 + 165.830 MeV [15.195 MeV] (A_Gd:510)
154Gd64 + 10 D* --> 145Nd60 + 29Si14 + 160.976 MeV [10.341 MeV] (A_Gd:511)
154Gd64 + 10 D* --> 146Nd60 + 28Si14 + 160.068 MeV [9.433 MeV] (A_Gd:512)
154Gd64 + 10 D* --> 148Sm62 + 26Mg12 + 153.201 MeV [2.566 MeV] (A_Gd:513)
154Gd64 + 10 D* --> 149Sm62 + 25Mg12 + 147.979 MeV [-2.656 MeV] (A_Gd:514)
154Gd64 + 10 D* --> 150Sm62 + 24Mg12 + 148.635 MeV [-2.000 MeV] (A_Gd:515)
154Gd64 + 10 D* --> 151Eu63 + 23Na11 + 141.833 MeV [-8.802 MeV] (A_Gd:516)
154Gd64 + 10 D* --> 152Gd64 + 22Ne10 + 140.383 MeV [-10.252 MeV] (A_Gd:517)
154Gd64 + 10 D* --> 154Gd64 + 20Ne10 + 138.399 MeV [-12.236 MeV] (A_Gd:518)
154Gd64 + 10 D* --> 156Dy66 + 18O8 + 128.955 MeV [-21.680 MeV] (A_Gd:519)
154Gd64 + 10 D* --> 158Dy66 + 16O8 + 132.793 MeV [-17.842 MeV] (A_Gd:520)
154Gd64 + 10 D* --> 162Er68 + 12C6 + 123.987 MeV [-26.648 MeV] (A_Gd:521)

154Gd64 + 11 D* --> 123Sb51 + 53Cr24 + 215.289 MeV [47.959 MeV] (A_Gd:522)
154Gd64 + 11 D* --> 125Te52 + 51V23 + 212.003 MeV [44.674 MeV] (A_Gd:523)

154Gd64 + 11 D* --> 126Te52 + 50V23 + 210.066 MeV [42.736 MeV] (A_Gd:524)
154Gd64 + 11 D* --> 127I53 + 49Ti22 + 208.322 MeV [40.992 MeV] (A_Gd:525)
154Gd64 + 11 D* --> 131Xe54 + 45Sc21 + 200.263 MeV [32.933 MeV] (A_Gd:526)
154Gd64 + 11 D* --> 133Cs55 + 43Ca20 + 197.259 MeV [29.930 MeV] (A_Gd:527)
154Gd64 + 11 D* --> 135Ba56 + 41K19 + 194.189 MeV [26.860 MeV] (A_Gd:528)
154Gd64 + 11 D* --> 136Ba56 + 40K19 + 193.202 MeV [25.872 MeV] (A_Gd:529)
154Gd64 + 11 D* --> 137Ba56 + 39K19 + 192.308 MeV [24.978 MeV] (A_Gd:530)
154Gd64 + 11 D* --> 138La57 + 38Ar18 + 192.019 MeV [24.689 MeV] (A_Gd:531)
154Gd64 + 11 D* --> 145Nd60 + 31P15 + 176.658 MeV [9.328 MeV] (A_Gd:532)
154Gd64 + 11 D* --> 149Sm62 + 27Al13 + 165.118 MeV [-2.211 MeV] (A_Gd:533)
154Gd64 + 11 D* --> 151Eu63 + 25Mg12 + 158.632 MeV [-8.698 MeV] (A_Gd:534)
154Gd64 + 11 D* --> 162Er68 + 14N7 + 134.259 MeV [-33.071 MeV] (A_Gd:535)

154Gd64 + 12 D* --> 92Zr40 + 86Kr36 + 255.635 MeV [71.322 MeV] (A_Gd:536)
154Gd64 + 12 D* --> 94Zr40 + 84Kr36 + 253.613 MeV [69.301 MeV] (A_Gd:537)
154Gd64 + 12 D* --> 96Zr40 + 82Kr36 + 249.948 MeV [65.635 MeV] (A_Gd:538)
154Gd64 + 12 D* --> 96Mo42 + 82Se34 + 250.300 MeV [65.987 MeV] (A_Gd:539)
154Gd64 + 12 D* --> 98Mo42 + 80Se34 + 249.787 MeV [65.475 MeV] (A_Gd:540)
154Gd64 + 12 D* --> 100Mo42 + 78Se34 + 247.126 MeV [62.813 MeV] (A_Gd:541)
154Gd64 + 12 D* --> 102Ru44 + 76Ge32 + 246.227 MeV [61.914 MeV] (A_Gd:542)
154Gd64 + 12 D* --> 104Ru44 + 74Ge32 + 245.427 MeV [61.114 MeV] (A_Gd:543)
154Gd64 + 12 D* --> 108Pd46 + 70Zn30 + 243.004 MeV [58.692 MeV] (A_Gd:544)
154Gd64 + 12 D* --> 110Pd46 + 68Zn30 + 242.272 MeV [57.959 MeV] (A_Gd:545)
154Gd64 + 12 D* --> 114Cd48 + 64Ni28 + 241.036 MeV [56.723 MeV] (A_Gd:546)
154Gd64 + 12 D* --> 116Cd48 + 62Ni28 + 239.381 MeV [55.068 MeV] (A_Gd:547)
154Gd64 + 12 D* --> 120Sn50 + 58Fe26 + 237.174 MeV [52.861 MeV] (A_Gd:548)
154Gd64 + 12 D* --> 122Sn50 + 56Fe26 + 234.467 MeV [50.154 MeV] (A_Gd:549)
154Gd64 + 12 D* --> 124Sn50 + 54Fe26 + 228.405 MeV [44.092 MeV] (A_Gd:550)
154Gd64 + 12 D* --> 123Sb51 + 55Mn25 + 230.850 MeV [46.538 MeV] (A_Gd:551)
154Gd64 + 12 D* --> 124Te52 + 54Cr24 + 231.373 MeV [47.060 MeV] (A_Gd:552)
154Gd64 + 12 D* --> 125Te52 + 53Cr24 + 228.222 MeV [43.910 MeV] (A_Gd:553)
154Gd64 + 12 D* --> 126Te52 + 52Cr24 + 229.397 MeV [45.084 MeV] (A_Gd:554)
154Gd64 + 12 D* --> 128Te52 + 50Cr24 + 223.167 MeV [38.854 MeV] (A_Gd:555)
154Gd64 + 12 D* --> 127I53 + 51V23 + 225.100 MeV [40.787 MeV] (A_Gd:556)
154Gd64 + 12 D* --> 128Xe54 + 50Ti22 + 225.202 MeV [40.890 MeV] (A_Gd:557)
154Gd64 + 12 D* --> 129Xe54 + 49Ti22 + 221.172 MeV [36.859 MeV] (A_Gd:558)
154Gd64 + 12 D* --> 130Xe54 + 48Ti22 + 222.285 MeV [37.972 MeV] (A_Gd:559)
154Gd64 + 12 D* --> 131Xe54 + 47Ti22 + 217.263 MeV [32.950 MeV] (A_Gd:560)
154Gd64 + 12 D* --> 132Xe54 + 46Ti22 + 217.319 MeV [33.007 MeV] (A_Gd:561)
154Gd64 + 12 D* --> 133Cs55 + 45Sc21 + 213.054 MeV [28.742 MeV] (A_Gd:562)
154Gd64 + 12 D* --> 130Ba56 + 48Ca20 + 215.391 MeV [31.079 MeV] (A_Gd:563)
154Gd64 + 12 D* --> 132Ba56 + 46Ca20 + 215.485 MeV [31.173 MeV] (A_Gd:564)
154Gd64 + 12 D* --> 134Ba56 + 44Ca20 + 214.334 MeV [30.021 MeV] (A_Gd:565)
154Gd64 + 12 D* --> 135Ba56 + 43Ca20 + 210.175 MeV [25.862 MeV] (A_Gd:566)
154Gd64 + 12 D* --> 136Ba56 + 42Ca20 + 211.349 MeV [27.037 MeV] (A_Gd:567)
154Gd64 + 12 D* --> 138Ba56 + 40Ca20 + 207.023 MeV [22.711 MeV] (A_Gd:568)
154Gd64 + 12 D* --> 138La57 + 40K19 + 203.975 MeV [19.663 MeV] (A_Gd:569)
154Gd64 + 12 D* --> 139La57 + 39K19 + 204.954 MeV [20.641 MeV] (A_Gd:570)
154Gd64 + 12 D* --> 138Ce58 + 40Ar18 + 206.524 MeV [22.211 MeV] (A_Gd:571)
154Gd64 + 12 D* --> 140Ce58 + 38Ar18 + 206.713 MeV [22.401 MeV] (A_Gd:572)
154Gd64 + 12 D* --> 142Ce58 + 36Ar18 + 198.685 MeV [14.373 MeV] (A_Gd:573)
154Gd64 + 12 D* --> 141Pr59 + 37Cl17 + 201.698 MeV [17.385 MeV] (A_Gd:574)
154Gd64 + 12 D* --> 142Nd60 + 36S16 + 200.535 MeV [16.222 MeV] (A_Gd:575)
154Gd64 + 12 D* --> 144Nd60 + 34S16 + 197.600 MeV [13.288 MeV] (A_Gd:576)

154Gd64 + 12 D* --> 145Nd60 + 33S16 + 191.939 MeV [7.626 MeV] (A_Gd:577)
154Gd64 + 12 D* --> 146Nd60 + 32S16 + 190.862 MeV [6.550 MeV] (A_Gd:578)
154Gd64 + 12 D* --> 148Sm62 + 30Si14 + 187.691 MeV [3.378 MeV] (A_Gd:579)
154Gd64 + 12 D* --> 149Sm62 + 29Si14 + 182.952 MeV [-1.360 MeV] (A_Gd:580)
154Gd64 + 12 D* --> 150Sm62 + 28Si14 + 182.466 MeV [-1.847 MeV] (A_Gd:581)
154Gd64 + 12 D* --> 151Eu63 + 27Al13 + 175.771 MeV [-8.541 MeV] (A_Gd:582)
154Gd64 + 12 D* --> 152Gd64 + 26Mg12 + 174.844 MeV [-9.468 MeV] (A_Gd:583)
154Gd64 + 12 D* --> 154Gd64 + 24Mg12 + 171.562 MeV [-12.750 MeV] (A_Gd:584)
154Gd64 + 12 D* --> 156Dy66 + 22Ne10 + 162.470 MeV [-21.843 MeV] (A_Gd:585)
154Gd64 + 12 D* --> 158Dy66 + 20Ne10 + 161.369 MeV [-22.943 MeV] (A_Gd:586)
154Gd64 + 12 D* --> 162Er68 + 16O8 + 154.995 MeV [-29.318 MeV] (A_Gd:587)

155Gd64 + D* --> 130Te52 + 27Al13 + 45.607 MeV [31.940 MeV] (A_Gd:588)
155Gd64 + D* --> 134Xe54 + 23Na11 + 38.713 MeV [25.046 MeV] (A_Gd:589)
155Gd64 + D* --> 138Ba56 + 19F9 + 30.808 MeV [17.141 MeV] (A_Gd:590)
155Gd64 + D* --> 139La57 + 18O8 + 29.071 MeV [15.405 MeV] (A_Gd:591)
155Gd64 + D* --> 142Ce58 + 15N7 + 25.496 MeV [11.829 MeV] (A_Gd:592)
155Gd64 + D* --> 146Nd60 + 11B5 + 13.322 MeV [-0.345 MeV] (A_Gd:593)
155Gd64 + D* --> 150Sm62 + 7Li3 + 3.208 MeV [-10.459 MeV] (A_Gd:594)
155Gd64 + D* --> 153Eu63 + 4He2 + 12.007 MeV [-1.660 MeV] (A_Gd:595)
155Gd64 + D* --> 156Gd64 + 1H1 + 6.312 MeV [-7.355 MeV] (A_Gd:596)

155Gd64 + 2 D* --> 130Te52 + 29Si14 + 63.441 MeV [35.797 MeV] (A_Gd:597)
155Gd64 + 2 D* --> 134Xe54 + 25Mg12 + 55.512 MeV [27.868 MeV] (A_Gd:598)
155Gd64 + 2 D* --> 137Ba56 + 22Ne10 + 49.940 MeV [22.297 MeV] (A_Gd:599)
155Gd64 + 2 D* --> 138Ba56 + 21Ne10 + 48.188 MeV [20.544 MeV] (A_Gd:600)
155Gd64 + 2 D* --> 142Ce58 + 17O8 + 39.542 MeV [11.898 MeV] (A_Gd:601)
155Gd64 + 2 D* --> 146Nd60 + 13C6 + 32.000 MeV [4.357 MeV] (A_Gd:602)
155Gd64 + 2 D* --> 150Sm62 + 9Be4 + 19.904 MeV [-7.740 MeV] (A_Gd:603)
155Gd64 + 2 D* --> 153Eu63 + 6Li3 + 13.481 MeV [-14.163 MeV] (A_Gd:604)
155Gd64 + 2 D* --> 155Gd64 + 4He2 + 23.847 MeV [-3.797 MeV] (A_Gd:605)
155Gd64 + 2 D* --> 156Gd64 + 3He2 + 11.805 MeV [-15.838 MeV] (A_Gd:606)

155Gd64 + 3 D* --> 124Sn50 + 37Cl17 + 87.328 MeV [45.400 MeV] (A_Gd:607)
155Gd64 + 3 D* --> 130Te52 + 31P15 + 79.122 MeV [37.194 MeV] (A_Gd:608)
155Gd64 + 3 D* --> 134Xe54 + 27Al13 + 72.651 MeV [30.723 MeV] (A_Gd:609)
155Gd64 + 3 D* --> 138Ba56 + 23Na11 + 65.122 MeV [23.193 MeV] (A_Gd:610)
155Gd64 + 3 D* --> 139La57 + 22Ne10 + 62.586 MeV [20.658 MeV] (A_Gd:611)
155Gd64 + 3 D* --> 142Ce58 + 19F9 + 53.356 MeV [11.427 MeV] (A_Gd:612)
155Gd64 + 3 D* --> 146Nd60 + 15N7 + 48.160 MeV [6.231 MeV] (A_Gd:613)
155Gd64 + 3 D* --> 150Sm62 + 11B5 + 35.719 MeV [-6.209 MeV] (A_Gd:614)
155Gd64 + 3 D* --> 154Gd64 + 7Li3 + 26.135 MeV [-15.793 MeV] (A_Gd:615)
155Gd64 + 3 D* --> 155Gd64 + 6Li3 + 25.320 MeV [-16.608 MeV] (A_Gd:616)
155Gd64 + 3 D* --> 160Dy66 + 1H1 + 29.719 MeV [-12.209 MeV] (A_Gd:617)

155Gd64 + 4 D* --> 130Te52 + 33S16 + 94.403 MeV [37.885 MeV] (A_Gd:618)
155Gd64 + 4 D* --> 134Xe54 + 29Si14 + 90.485 MeV [33.967 MeV] (A_Gd:619)
155Gd64 + 4 D* --> 137Ba56 + 26Mg12 + 84.402 MeV [27.883 MeV] (A_Gd:620)
155Gd64 + 4 D* --> 138Ba56 + 25Mg12 + 81.920 MeV [25.402 MeV] (A_Gd:621)
155Gd64 + 4 D* --> 142Ce58 + 21Ne10 + 70.736 MeV [14.217 MeV] (A_Gd:622)
155Gd64 + 4 D* --> 145Nd60 + 18O8 + 62.684 MeV [6.166 MeV] (A_Gd:623)
155Gd64 + 4 D* --> 146Nd60 + 17O8 + 62.206 MeV [5.687 MeV] (A_Gd:624)
155Gd64 + 4 D* --> 150Sm62 + 13C6 + 54.398 MeV [-2.121 MeV] (A_Gd:625)
155Gd64 + 4 D* --> 153Eu63 + 10B5 + 41.789 MeV [-14.730 MeV] (A_Gd:626)

155Gd64 + 4 D* --> 154Gd64 + 9Be4 + 42.831 MeV [-13.687 MeV] (A_Gd:627)
155Gd64 + 4 D* --> 160Dy66 + 3He2 + 35.213 MeV [-21.306 MeV] (A_Gd:628)

155Gd64 + 5 D* --> 124Sn50 + 41K19 + 117.397 MeV [45.985 MeV] (A_Gd:629)
155Gd64 + 5 D* --> 128Te52 + 37Cl17 + 114.355 MeV [42.943 MeV] (A_Gd:630)
155Gd64 + 5 D* --> 130Te52 + 35Cl17 + 109.966 MeV [38.555 MeV] (A_Gd:631)
155Gd64 + 5 D* --> 134Xe54 + 31P15 + 106.167 MeV [34.755 MeV] (A_Gd:632)
155Gd64 + 5 D* --> 138Ba56 + 27Al13 + 99.060 MeV [27.648 MeV] (A_Gd:633)
155Gd64 + 5 D* --> 139La57 + 26Mg12 + 97.047 MeV [25.636 MeV] (A_Gd:634)
155Gd64 + 5 D* --> 142Ce58 + 23Na11 + 87.670 MeV [16.258 MeV] (A_Gd:635)
155Gd64 + 5 D* --> 146Nd60 + 19F9 + 76.020 MeV [4.608 MeV] (A_Gd:636)
155Gd64 + 5 D* --> 150Sm62 + 15N7 + 70.557 MeV [-0.854 MeV] (A_Gd:637)
155Gd64 + 5 D* --> 153Eu63 + 12C6 + 66.975 MeV [-4.437 MeV] (A_Gd:638)
155Gd64 + 5 D* --> 154Gd64 + 11B5 + 58.647 MeV [-12.765 MeV] (A_Gd:639)
155Gd64 + 5 D* --> 155Gd64 + 10B5 + 53.628 MeV [-17.784 MeV] (A_Gd:640)
155Gd64 + 5 D* --> 158Dy66 + 7Li3 + 49.105 MeV [-22.306 MeV] (A_Gd:641)
155Gd64 + 5 D* --> 164Er68 + 1H1 + 52.262 MeV [-19.150 MeV] (A_Gd:642)

155Gd64 + 6 D* --> 119Sn50 + 48Ca20 + 141.020 MeV [54.414 MeV] (A_Gd:643)
155Gd64 + 6 D* --> 124Sn50 + 43Ca20 + 133.383 MeV [46.777 MeV] (A_Gd:644)
155Gd64 + 6 D* --> 131Xe54 + 36S16 + 125.816 MeV [39.211 MeV] (A_Gd:645)
155Gd64 + 6 D* --> 134Xe54 + 33S16 + 121.448 MeV [34.842 MeV] (A_Gd:646)
155Gd64 + 6 D* --> 137Ba56 + 30Si14 + 118.891 MeV [32.285 MeV] (A_Gd:647)
155Gd64 + 6 D* --> 138Ba56 + 29Si14 + 116.894 MeV [30.288 MeV] (A_Gd:648)
155Gd64 + 6 D* --> 142Ce58 + 25Mg12 + 104.469 MeV [17.863 MeV] (A_Gd:649)
155Gd64 + 6 D* --> 145Nd60 + 22Ne10 + 96.199 MeV [9.593 MeV] (A_Gd:650)
155Gd64 + 6 D* --> 146Nd60 + 21Ne10 + 93.400 MeV [6.794 MeV] (A_Gd:651)
155Gd64 + 6 D* --> 149Sm62 + 18O8 + 84.661 MeV [-1.945 MeV] (A_Gd:652)
155Gd64 + 6 D* --> 150Sm62 + 17O8 + 84.603 MeV [-2.003 MeV] (A_Gd:653)
155Gd64 + 6 D* --> 153Eu63 + 14N7 + 77.247 MeV [-9.359 MeV] (A_Gd:654)
155Gd64 + 6 D* --> 154Gd64 + 13C6 + 77.325 MeV [-9.280 MeV] (A_Gd:655)
155Gd64 + 6 D* --> 155Gd64 + 12C6 + 78.814 MeV [-7.792 MeV] (A_Gd:656)
155Gd64 + 6 D* --> 158Dy66 + 9Be4 + 65.802 MeV [-20.804 MeV] (A_Gd:657)
155Gd64 + 6 D* --> 164Er68 + 3He2 + 57.756 MeV [-28.850 MeV] (A_Gd:658)

155Gd64 + 7 D* --> 87Rb37 + 82Se34 + 182.065 MeV [79.966 MeV] (A_Gd:659)
155Gd64 + 7 D* --> 124Sn50 + 45Sc21 + 149.177 MeV [47.079 MeV] (A_Gd:660)
155Gd64 + 7 D* --> 121Sb51 + 48Ca20 + 153.682 MeV [51.584 MeV] (A_Gd:661)
155Gd64 + 7 D* --> 123Sb51 + 46Ca20 + 152.232 MeV [50.134 MeV] (A_Gd:662)
155Gd64 + 7 D* --> 128Te52 + 41K19 + 144.424 MeV [42.326 MeV] (A_Gd:663)
155Gd64 + 7 D* --> 130Te52 + 39K19 + 141.031 MeV [38.933 MeV] (A_Gd:664)
155Gd64 + 7 D* --> 132Xe54 + 37Cl17 + 140.915 MeV [38.816 MeV] (A_Gd:665)
155Gd64 + 7 D* --> 134Xe54 + 35Cl17 + 137.011 MeV [34.912 MeV] (A_Gd:666)
155Gd64 + 7 D* --> 133Cs55 + 36S16 + 138.608 MeV [36.509 MeV] (A_Gd:667)
155Gd64 + 7 D* --> 138Ba56 + 31P15 + 132.575 MeV [30.477 MeV] (A_Gd:668)
155Gd64 + 7 D* --> 139La57 + 30Si14 + 131.537 MeV [29.439 MeV] (A_Gd:669)
155Gd64 + 7 D* --> 142Ce58 + 27Al13 + 121.608 MeV [19.509 MeV] (A_Gd:670)
155Gd64 + 7 D* --> 146Nd60 + 23Na11 + 110.334 MeV [8.235 MeV] (A_Gd:671)
155Gd64 + 7 D* --> 150Sm62 + 19F9 + 98.418 MeV [-3.681 MeV] (A_Gd:672)
155Gd64 + 7 D* --> 151Eu63 + 18O8 + 95.314 MeV [-6.785 MeV] (A_Gd:673)
155Gd64 + 7 D* --> 153Eu63 + 16O8 + 97.983 MeV [-4.115 MeV] (A_Gd:674)
155Gd64 + 7 D* --> 154Gd64 + 15N7 + 93.485 MeV [-8.614 MeV] (A_Gd:675)
155Gd64 + 7 D* --> 155Gd64 + 14N7 + 89.087 MeV [-13.012 MeV] (A_Gd:676)
155Gd64 + 7 D* --> 158Dy66 + 11B5 + 81.617 MeV [-20.481 MeV] (A_Gd:677)

155Gd64 + 7 D* --> 162Er68 + 7Li3 + 71.307 MeV [-30.791 MeV] (A_Gd:678)
155Gd64 + 7 D* --> 168Yb70 + 1H1 + 74.159 MeV [-27.940 MeV] (A_Gd:679)

155Gd64 + 8 D* --> 122Sn50 + 49Ti22 + 171.513 MeV [53.626 MeV] (A_Gd:680)
155Gd64 + 8 D* --> 124Sn50 + 47Ti22 + 166.178 MeV [48.290 MeV] (A_Gd:681)
155Gd64 + 8 D* --> 123Te52 + 48Ca20 + 166.395 MeV [48.507 MeV] (A_Gd:682)
155Gd64 + 8 D* --> 125Te52 + 46Ca20 + 165.166 MeV [47.278 MeV] (A_Gd:683)
155Gd64 + 8 D* --> 128Te52 + 43Ca20 + 160.409 MeV [42.522 MeV] (A_Gd:684)
155Gd64 + 8 D* --> 131Xe54 + 40Ar18 + 156.464 MeV [38.576 MeV] (A_Gd:685)
155Gd64 + 8 D* --> 135Ba56 + 36S16 + 151.523 MeV [33.635 MeV] (A_Gd:686)
155Gd64 + 8 D* --> 137Ba56 + 34S16 + 150.662 MeV [32.774 MeV] (A_Gd:687)
155Gd64 + 8 D* --> 138Ba56 + 33S16 + 147.856 MeV [29.969 MeV] (A_Gd:688)
155Gd64 + 8 D* --> 142Ce58 + 29Si14 + 139.442 MeV [21.554 MeV] (A_Gd:689)
155Gd64 + 8 D* --> 145Nd60 + 26Mg12 + 130.660 MeV [12.773 MeV] (A_Gd:690)
155Gd64 + 8 D* --> 146Nd60 + 25Mg12 + 127.133 MeV [9.245 MeV] (A_Gd:691)
155Gd64 + 8 D* --> 149Sm62 + 22Ne10 + 118.175 MeV [00.288 MeV] (A_Gd:692)
155Gd64 + 8 D* --> 150Sm62 + 21Ne10 + 115.798 MeV [-2.090 MeV] (A_Gd:693)
155Gd64 + 8 D* --> 154Gd64 + 17O8 + 107.531 MeV [-10.357 MeV] (A_Gd:694)
155Gd64 + 8 D* --> 155Gd64 + 16O8 + 109.823 MeV [-8.065 MeV] (A_Gd:695)
155Gd64 + 8 D* --> 158Dy66 + 13C6 + 100.296 MeV [-17.592 MeV] (A_Gd:696)
155Gd64 + 8 D* --> 162Er68 + 9Be4 + 88.004 MeV [-29.884 MeV] (A_Gd:697)
155Gd64 + 8 D* --> 168Yb70 + 3He2 + 79.652 MeV [-38.236 MeV] (A_Gd:698)

155Gd64 + 9 D* --> 87Rb37 + 86Kr36 + 214.008 MeV [80.036 MeV] (A_Gd:699)
155Gd64 + 9 D* --> 122Sn50 + 51V23 + 188.292 MeV [54.320 MeV] (A_Gd:700)
155Gd64 + 9 D* --> 123Sb51 + 50Ti22 + 186.795 MeV [52.824 MeV] (A_Gd:701)
155Gd64 + 9 D* --> 128Te52 + 45Sc21 + 176.204 MeV [42.233 MeV] (A_Gd:702)
155Gd64 + 9 D* --> 127I53 + 46Ca20 + 178.263 MeV [44.291 MeV] (A_Gd:703)
155Gd64 + 9 D* --> 132Xe54 + 41K19 + 170.984 MeV [37.013 MeV] (A_Gd:704)
155Gd64 + 9 D* --> 134Xe54 + 39K19 + 168.076 MeV [34.104 MeV] (A_Gd:705)
155Gd64 + 9 D* --> 133Cs55 + 40Ar18 + 169.255 MeV [35.284 MeV] (A_Gd:706)
155Gd64 + 9 D* --> 136Ba56 + 37Cl17 + 166.793 MeV [32.821 MeV] (A_Gd:707)
155Gd64 + 9 D* --> 138Ba56 + 35Cl17 + 163.420 MeV [29.448 MeV] (A_Gd:708)
155Gd64 + 9 D* --> 139La57 + 34S16 + 163.308 MeV [29.336 MeV] (A_Gd:709)
155Gd64 + 9 D* --> 142Ce58 + 31P15 + 155.124 MeV [21.152 MeV] (A_Gd:710)
155Gd64 + 9 D* --> 146Nd60 + 27Al13 + 144.272 MeV [10.301 MeV] (A_Gd:711)
155Gd64 + 9 D* --> 150Sm62 + 23Na11 + 132.732 MeV [-1.240 MeV] (A_Gd:712)
155Gd64 + 9 D* --> 151Eu63 + 22Ne10 + 128.828 MeV [-5.143 MeV] (A_Gd:713)
155Gd64 + 9 D* --> 153Eu63 + 20Ne10 + 126.560 MeV [-7.412 MeV] (A_Gd:714)
155Gd64 + 9 D* --> 154Gd64 + 19F9 + 121.345 MeV [-12.626 MeV] (A_Gd:715)
155Gd64 + 9 D* --> 158Dy66 + 15N7 + 116.455 MeV [-17.516 MeV] (A_Gd:716)
155Gd64 + 9 D* --> 162Er68 + 11B5 + 103.819 MeV [-30.152 MeV] (A_Gd:717)

155Gd64 + 10 D* --> 122Sn50 + 53Cr24 + 204.511 MeV [54.163 MeV] (A_Gd:718)
155Gd64 + 10 D* --> 125Te52 + 50Ti22 + 199.729 MeV [49.382 MeV] (A_Gd:719)
155Gd64 + 10 D* --> 126Te52 + 49Ti22 + 197.903 MeV [47.556 MeV] (A_Gd:720)
155Gd64 + 10 D* --> 128Te52 + 47Ti22 + 193.205 MeV [42.857 MeV] (A_Gd:721)
155Gd64 + 10 D* --> 129Xe54 + 46Ca20 + 191.113 MeV [40.765 MeV] (A_Gd:722)
155Gd64 + 10 D* --> 131Xe54 + 44Ca20 + 189.164 MeV [38.816 MeV] (A_Gd:723)
155Gd64 + 10 D* --> 132Xe54 + 43Ca20 + 186.969 MeV [36.622 MeV] (A_Gd:724)
155Gd64 + 10 D* --> 135Ba56 + 40Ar18 + 182.171 MeV [31.823 MeV] (A_Gd:725)
155Gd64 + 10 D* --> 137Ba56 + 38Ar18 + 181.716 MeV [31.368 MeV] (A_Gd:726)
155Gd64 + 10 D* --> 138La57 + 37Cl17 + 177.566 MeV [27.219 MeV] (A_Gd:727)
155Gd64 + 10 D* --> 142Ce58 + 33S16 + 170.405 MeV [20.057 MeV] (A_Gd:728)

155Gd64 + 10 D* --> 145Nd60 + 30Si14 + 165.150 MeV [14.803 MeV] (A_Gd:729)
155Gd64 + 10 D* --> 146Nd60 + 29Si14 + 162.106 MeV [11.759 MeV] (A_Gd:730)
155Gd64 + 10 D* --> 149Sm62 + 26Mg12 + 152.637 MeV [2.289 MeV] (A_Gd:731)
155Gd64 + 10 D* --> 150Sm62 + 25Mg12 + 149.530 MeV [-0.817 MeV] (A_Gd:732)
155Gd64 + 10 D* --> 154Gd64 + 21Ne10 + 138.725 MeV [-11.622 MeV] (A_Gd:733)
155Gd64 + 10 D* --> 155Gd64 + 20Ne10 + 138.399 MeV [-11.948 MeV] (A_Gd:734)
155Gd64 + 10 D* --> 158Dy66 + 17O8 + 130.501 MeV [-19.846 MeV] (A_Gd:735)
155Gd64 + 10 D* --> 162Er68 + 13C6 + 122.498 MeV [-27.850 MeV] (A_Gd:736)

155Gd64 + 11 D* --> 96Zr40 + 81Br35 + 235.833 MeV [68.820 MeV] (A_Gd:737)
155Gd64 + 11 D* --> 122Sn50 + 55Mn25 + 220.072 MeV [53.059 MeV] (A_Gd:738)
155Gd64 + 11 D* --> 123Sb51 + 54Cr24 + 218.572 MeV [51.559 MeV] (A_Gd:739)
155Gd64 + 11 D* --> 126Te52 + 51V23 + 214.682 MeV [47.668 MeV] (A_Gd:740)
155Gd64 + 11 D* --> 127I53 + 50Ti22 + 212.826 MeV [45.812 MeV] (A_Gd:741)
155Gd64 + 11 D* --> 132Xe54 + 45Sc21 + 202.764 MeV [35.750 MeV] (A_Gd:742)
155Gd64 + 11 D* --> 133Cs55 + 44Ca20 + 201.955 MeV [34.941 MeV] (A_Gd:743)
155Gd64 + 11 D* --> 136Ba56 + 41K19 + 196.862 MeV [29.848 MeV] (A_Gd:744)
155Gd64 + 11 D* --> 137Ba56 + 40K19 + 193.672 MeV [26.658 MeV] (A_Gd:745)
155Gd64 + 11 D* --> 138Ba56 + 39K19 + 194.484 MeV [27.471 MeV] (A_Gd:746)
155Gd64 + 11 D* --> 139La57 + 38Ar18 + 194.362 MeV [27.348 MeV] (A_Gd:747)
155Gd64 + 11 D* --> 140Ce58 + 37Cl17 + 192.261 MeV [25.247 MeV] (A_Gd:748)
155Gd64 + 11 D* --> 142Ce58 + 35Cl17 + 185.968 MeV [18.954 MeV] (A_Gd:749)
155Gd64 + 11 D* --> 141Pr59 + 36S16 + 189.101 MeV [22.087 MeV] (A_Gd:750)
155Gd64 + 11 D* --> 146Nd60 + 31P15 + 177.788 MeV [10.774 MeV] (A_Gd:751)
155Gd64 + 11 D* --> 150Sm62 + 27Al13 + 166.670 MeV [-0.344 MeV] (A_Gd:752)
155Gd64 + 11 D* --> 151Eu63 + 26Mg12 + 163.289 MeV [-3.724 MeV] (A_Gd:753)
155Gd64 + 11 D* --> 153Eu63 + 24Mg12 + 159.723 MeV [-7.291 MeV] (A_Gd:754)
155Gd64 + 11 D* --> 154Gd64 + 23Na11 + 155.659 MeV [-11.355 MeV] (A_Gd:755)
155Gd64 + 11 D* --> 158Dy66 + 19F9 + 144.315 MeV [-22.699 MeV] (A_Gd:756)
155Gd64 + 11 D* --> 162Er68 + 15N7 + 138.657 MeV [-28.357 MeV] (A_Gd:757)

155Gd64 + 12 D* --> 96Zr40 + 83Kr36 + 250.976 MeV [67.007 MeV] (A_Gd:758)
155Gd64 + 12 D* --> 97Mo42 + 82Se34 + 250.686 MeV [66.717 MeV] (A_Gd:759)
155Gd64 + 12 D* --> 122Sn50 + 57Fe26 + 235.678 MeV [51.709 MeV] (A_Gd:760)
155Gd64 + 12 D* --> 125Te52 + 54Cr24 + 231.506 MeV [47.538 MeV] (A_Gd:761)
155Gd64 + 12 D* --> 126Te52 + 53Cr24 + 230.901 MeV [46.932 MeV] (A_Gd:762)
155Gd64 + 12 D* --> 129Xe54 + 50Ti22 + 225.676 MeV [41.707 MeV] (A_Gd:763)
155Gd64 + 12 D* --> 130Xe54 + 49Ti22 + 223.992 MeV [40.023 MeV] (A_Gd:764)
155Gd64 + 12 D* --> 131Xe54 + 48Ti22 + 222.454 MeV [38.486 MeV] (A_Gd:765)
155Gd64 + 12 D* --> 132Xe54 + 47Ti22 + 219.764 MeV [35.796 MeV] (A_Gd:766)
155Gd64 + 12 D* --> 135Ba56 + 44Ca20 + 214.871 MeV [30.902 MeV] (A_Gd:767)
155Gd64 + 12 D* --> 136Ba56 + 43Ca20 + 212.847 MeV [28.878 MeV] (A_Gd:768)
155Gd64 + 12 D* --> 137Ba56 + 42Ca20 + 211.820 MeV [27.851 MeV] (A_Gd:769)
155Gd64 + 12 D* --> 138La57 + 41K19 + 207.635 MeV [23.667 MeV] (A_Gd:770)
155Gd64 + 12 D* --> 139La57 + 40K19 + 206.318 MeV [22.349 MeV] (A_Gd:771)
155Gd64 + 12 D* --> 143Nd60 + 36S16 + 200.223 MeV [16.254 MeV] (A_Gd:772)
155Gd64 + 12 D* --> 145Nd60 + 34S16 + 196.920 MeV [12.952 MeV] (A_Gd:773)
155Gd64 + 12 D* --> 146Nd60 + 33S16 + 193.069 MeV [9.100 MeV] (A_Gd:774)
155Gd64 + 12 D* --> 149Sm62 + 30Si14 + 187.126 MeV [3.158 MeV] (A_Gd:775)
155Gd64 + 12 D* --> 150Sm62 + 29Si14 + 184.504 MeV [00.535 MeV] (A_Gd:776)
155Gd64 + 12 D* --> 154Gd64 + 25Mg12 + 172.458 MeV [-11.511 MeV] (A_Gd:777)
155Gd64 + 12 D* --> 155Gd64 + 24Mg12 + 171.562 MeV [-12.406 MeV] (A_Gd:778)
155Gd64 + 12 D* --> 158Dy66 + 21Ne10 + 161.695 MeV [-22.273 MeV] (A_Gd:779)
155Gd64 + 12 D* --> 162Er68 + 17O8 + 152.703 MeV [-31.266 MeV] (A_Gd:780)

156Gd64 + D* --> 148Nd60 + 10B5 + 5.956 MeV [-7.682 MeV] (A_Gd:781)
156Gd64 + D* --> 152Sm62 + 6Li3 + 1.275 MeV [-12.362 MeV] (A_Gd:782)
156Gd64 + D* --> 157Gd64 + 1H1 + 4.135 MeV [-9.503 MeV] (A_Gd:783)

156Gd64 + 2 D* --> 124Sn50 + 36S16 + 72.630 MeV [45.044 MeV] (A_Gd:784)
156Gd64 + 2 D* --> 130Te52 + 30Si14 + 65.514 MeV [37.928 MeV] (A_Gd:785)
156Gd64 + 2 D* --> 134Xe54 + 26Mg12 + 58.068 MeV [30.482 MeV] (A_Gd:786)
156Gd64 + 2 D* --> 136Xe54 + 24Mg12 + 54.088 MeV [26.502 MeV] (A_Gd:787)
156Gd64 + 2 D* --> 138Ba56 + 22Ne10 + 50.016 MeV [22.430 MeV] (A_Gd:788)
156Gd64 + 2 D* --> 142Ce58 + 18O8 + 39.049 MeV [11.463 MeV] (A_Gd:789)
156Gd64 + 2 D* --> 148Nd60 + 12C6 + 31.143 MeV [3.557 MeV] (A_Gd:790)
156Gd64 + 2 D* --> 153Eu63 + 7Li3 + 12.195 MeV [-15.391 MeV] (A_Gd:791)
156Gd64 + 2 D* --> 156Gd64 + 4He2 + 23.847 MeV [-3.739 MeV] (A_Gd:792)
156Gd64 + 2 D* --> 157Gd64 + 3He2 + 9.629 MeV [-17.957 MeV] (A_Gd:793)
156Gd64 + 2 D* --> 159Tb65 + 1H1 + 15.979 MeV [-11.607 MeV] (A_Gd:794)
156Gd64 + 2 D* --> 160Dy66 + 23.407 MeV [-4.179 MeV] (A_Gd:795)

156Gd64 + 3 D* --> 148Nd60 + 14N7 + 41.415 MeV [-0.427 MeV] (A_Gd:796)
156Gd64 + 3 D* --> 152Sm62 + 10B5 + 29.583 MeV [-12.259 MeV] (A_Gd:797)
156Gd64 + 3 D* --> 153Eu63 + 9Be4 + 28.891 MeV [-12.951 MeV] (A_Gd:798)
156Gd64 + 3 D* --> 155Gd64 + 7Li3 + 24.034 MeV [-17.808 MeV] (A_Gd:799)
156Gd64 + 3 D* --> 156Gd64 + 6Li3 + 25.320 MeV [-16.522 MeV] (A_Gd:800)
156Gd64 + 3 D* --> 159Tb65 + 3He2 + 21.473 MeV [-20.369 MeV] (A_Gd:801)
156Gd64 + 3 D* --> 160Dy66 + 2H1 + 23.407 MeV [-18.435 MeV] (A_Gd:802)
156Gd64 + 3 D* --> 161Dy66 + 1H1 + 27.637 MeV [-14.205 MeV] (A_Gd:803)

156Gd64 + 4 D* --> 82Se34 + 82Se34 + 135.189 MeV [78.785 MeV] (A_Gd:804)
156Gd64 + 4 D* --> 116Cd48 + 48Ca20 + 112.934 MeV [56.531 MeV] (A_Gd:805)
156Gd64 + 4 D* --> 124Sn50 + 40Ar18 + 103.277 MeV [46.874 MeV] (A_Gd:806)
156Gd64 + 4 D* --> 128Te52 + 36S16 + 99.657 MeV [43.253 MeV] (A_Gd:807)
156Gd64 + 4 D* --> 130Te52 + 34S16 + 97.284 MeV [40.880 MeV] (A_Gd:808)
156Gd64 + 4 D* --> 134Xe54 + 30Si14 + 92.558 MeV [36.155 MeV] (A_Gd:809)
156Gd64 + 4 D* --> 136Xe54 + 28Si14 + 87.919 MeV [31.515 MeV] (A_Gd:810)
156Gd64 + 4 D* --> 138Ba56 + 26Mg12 + 84.477 MeV [28.073 MeV] (A_Gd:811)
156Gd64 + 4 D* --> 142Ce58 + 22Ne10 + 72.564 MeV [16.160 MeV] (A_Gd:812)
156Gd64 + 4 D* --> 146Nd60 + 18O8 + 61.713 MeV [5.310 MeV] (A_Gd:813)
156Gd64 + 4 D* --> 148Nd60 + 16O8 + 62.151 MeV [5.748 MeV] (A_Gd:814)
156Gd64 + 4 D* --> 152Sm62 + 12C6 + 54.769 MeV [-1.634 MeV] (A_Gd:815)
156Gd64 + 4 D* --> 153Eu63 + 11B5 + 44.706 MeV [-11.697 MeV] (A_Gd:816)
156Gd64 + 4 D* --> 155Gd64 + 9Be4 + 40.730 MeV [-15.673 MeV] (A_Gd:817)
156Gd64 + 4 D* --> 160Dy66 + 4He2 + 47.254 MeV [-9.150 MeV] (A_Gd:818)
156Gd64 + 4 D* --> 161Dy66 + 3He2 + 33.131 MeV [-23.273 MeV] (A_Gd:819)
156Gd64 + 4 D* --> 164Er68 + 45.950 MeV [-10.453 MeV] (A_Gd:820)

156Gd64 + 5 D* --> 152Sm62 + 14N7 + 65.042 MeV [-6.226 MeV] (A_Gd:821)
156Gd64 + 5 D* --> 153Eu63 + 13C6 + 63.385 MeV [-7.883 MeV] (A_Gd:822)
156Gd64 + 5 D* --> 155Gd64 + 11B5 + 56.546 MeV [-14.723 MeV] (A_Gd:823)
156Gd64 + 5 D* --> 156Gd64 + 10B5 + 53.628 MeV [-17.640 MeV] (A_Gd:824)
156Gd64 + 5 D* --> 160Dy66 + 6Li3 + 48.728 MeV [-22.540 MeV] (A_Gd:825)
156Gd64 + 5 D* --> 164Er68 + 2H1 + 45.950 MeV [-25.318 MeV] (A_Gd:826)

156Gd64 + 6 D* --> 86Kr36 + 82Se34 + 167.132 MeV [80.698 MeV] (A_Gd:827)
156Gd64 + 6 D* --> 120Sn50 + 48Ca20 + 141.591 MeV [55.158 MeV] (A_Gd:828)

156Gd64 + 6 D* --> 122Sn50 + 46Ca20 + 139.353 MeV [52.919 MeV] (A_Gd:829)
156Gd64 + 6 D* --> 124Sn50 + 44Ca20 + 135.977 MeV [49.544 MeV] (A_Gd:830)
156Gd64 + 6 D* --> 128Te52 + 40Ar18 + 130.304 MeV [43.870 MeV] (A_Gd:831)
156Gd64 + 6 D* --> 130Te52 + 38Ar18 + 128.338 MeV [41.904 MeV] (A_Gd:832)
156Gd64 + 6 D* --> 132Xe54 + 36S16 + 126.217 MeV [39.783 MeV] (A_Gd:833)
156Gd64 + 6 D* --> 134Xe54 + 34S16 + 124.328 MeV [37.895 MeV] (A_Gd:834)
156Gd64 + 6 D* --> 136Xe54 + 32S16 + 118.713 MeV [32.279 MeV] (A_Gd:835)
156Gd64 + 6 D* --> 138Ba56 + 30Si14 + 118.967 MeV [32.533 MeV] (A_Gd:836)
156Gd64 + 6 D* --> 142Ce58 + 26Mg12 + 107.025 MeV [20.592 MeV] (A_Gd:837)
156Gd64 + 6 D* --> 146Nd60 + 22Ne10 + 95.228 MeV [8.794 MeV] (A_Gd:838)
156Gd64 + 6 D* --> 148Nd60 + 20Ne10 + 90.727 MeV [4.294 MeV] (A_Gd:839)
156Gd64 + 6 D* --> 150Sm62 + 18O8 + 84.111 MeV [-2.323 MeV] (A_Gd:840)
156Gd64 + 6 D* --> 152Sm62 + 16O8 + 85.778 MeV [-0.656 MeV] (A_Gd:841)
156Gd64 + 6 D* --> 153Eu63 + 15N7 + 79.544 MeV [-6.890 MeV] (A_Gd:842)
156Gd64 + 6 D* --> 155Gd64 + 13C6 + 75.224 MeV [-11.209 MeV] (A_Gd:843)
156Gd64 + 6 D* --> 156Gd64 + 12C6 + 78.814 MeV [-7.619 MeV] (A_Gd:844)
156Gd64 + 6 D* --> 164Er68 + 4He2 + 69.797 MeV [-16.637 MeV] (A_Gd:845)
156Gd64 + 6 D* --> 168Yb70 + 67.847 MeV [-18.587 MeV] (A_Gd:846)

156Gd64 + 7 D* --> 130Te52 + 40K19 + 140.294 MeV [38.396 MeV] (A_Gd:847)
156Gd64 + 7 D* --> 153Eu63 + 17O8 + 93.590 MeV [-8.308 MeV] (A_Gd:848)
156Gd64 + 7 D* --> 155Gd64 + 15N7 + 91.384 MeV [-10.514 MeV] (A_Gd:849)
156Gd64 + 7 D* --> 156Gd64 + 14N7 + 89.087 MeV [-12.811 MeV] (A_Gd:850)
156Gd64 + 7 D* --> 160Dy66 + 10B5 + 77.035 MeV [-24.863 MeV] (A_Gd:851)
156Gd64 + 7 D* --> 164Er68 + 6Li3 + 71.271 MeV [-30.627 MeV] (A_Gd:852)
156Gd64 + 7 D* --> 168Yb70 + 2H1 + 67.847 MeV [-34.051 MeV] (A_Gd:853)

156Gd64 + 8 D* --> 86Kr36 + 86Kr36 + 199.075 MeV [81.416 MeV] (A_Gd:854)
156Gd64 + 8 D* --> 96Zr40 + 76Ge32 + 191.199 MeV [73.541 MeV] (A_Gd:855)
156Gd64 + 8 D* --> 122Sn50 + 50Ti22 + 173.916 MeV [56.257 MeV] (A_Gd:856)
156Gd64 + 8 D* --> 124Sn50 + 48Ti22 + 169.268 MeV [51.609 MeV] (A_Gd:857)
156Gd64 + 8 D* --> 124Te52 + 48Ca20 + 167.282 MeV [49.623 MeV] (A_Gd:858)
156Gd64 + 8 D* --> 126Te52 + 46Ca20 + 165.743 MeV [48.084 MeV] (A_Gd:859)
156Gd64 + 8 D* --> 128Te52 + 44Ca20 + 163.004 MeV [45.345 MeV] (A_Gd:860)
156Gd64 + 8 D* --> 130Te52 + 42Ca20 + 158.442 MeV [40.783 MeV] (A_Gd:861)
156Gd64 + 8 D* --> 132Xe54 + 40Ar18 + 156.864 MeV [39.205 MeV] (A_Gd:862)
156Gd64 + 8 D* --> 134Xe54 + 38Ar18 + 155.383 MeV [37.724 MeV] (A_Gd:863)
156Gd64 + 8 D* --> 136Xe54 + 36Ar18 + 149.200 MeV [31.541 MeV] (A_Gd:864)
156Gd64 + 8 D* --> 136Ba56 + 36S16 + 152.095 MeV [34.436 MeV] (A_Gd:865)
156Gd64 + 8 D* --> 138Ba56 + 34S16 + 150.737 MeV [33.078 MeV] (A_Gd:866)
156Gd64 + 8 D* --> 142Ce58 + 30Si14 + 141.515 MeV [23.856 MeV] (A_Gd:867)
156Gd64 + 8 D* --> 146Nd60 + 26Mg12 + 129.689 MeV [12.030 MeV] (A_Gd:868)
156Gd64 + 8 D* --> 148Nd60 + 24Mg12 + 123.891 MeV [6.232 MeV] (A_Gd:869)
156Gd64 + 8 D* --> 150Sm62 + 22Ne10 + 117.626 MeV [-0.033 MeV] (A_Gd:870)
156Gd64 + 8 D* --> 152Sm62 + 20Ne10 + 114.354 MeV [-3.305 MeV] (A_Gd:871)
156Gd64 + 8 D* --> 153Eu63 + 19F9 + 107.404 MeV [-10.254 MeV] (A_Gd:872)
156Gd64 + 8 D* --> 154Gd64 + 18O8 + 107.038 MeV [-10.621 MeV] (A_Gd:873)
156Gd64 + 8 D* --> 155Gd64 + 17O8 + 105.430 MeV [-12.229 MeV] (A_Gd:874)
156Gd64 + 8 D* --> 156Gd64 + 16O8 + 109.823 MeV [-7.836 MeV] (A_Gd:875)
156Gd64 + 8 D* --> 160Dy66 + 12C6 + 102.222 MeV [-15.437 MeV] (A_Gd:876)
156Gd64 + 8 D* --> 168Yb70 + 4He2 + 91.693 MeV [-25.966 MeV] (A_Gd:877)

156Gd64 + 9 D* --> 124Sn50 + 50V23 + 183.138 MeV [49.423 MeV] (A_Gd:878)
156Gd64 + 9 D* --> 134Xe54 + 40K19 + 167.339 MeV [33.625 MeV] (A_Gd:879)

156Gd64 + 9 D* --> 137Ba56 + 37Cl17 + 165.162 MeV [31.448 MeV] (A_Gd:880)
156Gd64 + 9 D* --> 138La57 + 36S16 + 162.868 MeV [29.154 MeV] (A_Gd:881)
156Gd64 + 9 D* --> 153Eu63 + 21Ne10 + 124.785 MeV [-8.930 MeV] (A_Gd:882)
156Gd64 + 9 D* --> 155Gd64 + 19F9 + 119.244 MeV [-14.470 MeV] (A_Gd:883)
156Gd64 + 9 D* --> 160Dy66 + 14N7 + 112.494 MeV [-21.220 MeV] (A_Gd:884)
156Gd64 + 9 D* --> 164Er68 + 10B5 + 99.578 MeV [-34.136 MeV] (A_Gd:885)
156Gd64 + 9 D* --> 168Yb70 + 6Li3 + 93.167 MeV [-40.547 MeV] (A_Gd:886)

156Gd64 + 10 D* --> 94Zr40 + 82Se34 + 223.676 MeV [73.614 MeV] (A_Gd:887)
156Gd64 + 10 D* --> 96Zr40 + 80Se34 + 222.018 MeV [71.956 MeV] (A_Gd:888)
156Gd64 + 10 D* --> 100Mo42 + 76Ge32 + 218.212 MeV [68.150 MeV] (A_Gd:889)
156Gd64 + 10 D* --> 122Sn50 + 54Cr24 + 205.694 MeV [55.631 MeV] (A_Gd:890)
156Gd64 + 10 D* --> 124Sn50 + 52Cr24 + 202.469 MeV [52.407 MeV] (A_Gd:891)
156Gd64 + 10 D* --> 126Te52 + 50Ti22 + 200.306 MeV [50.244 MeV] (A_Gd:892)
156Gd64 + 10 D* --> 128Te52 + 48Ti22 + 196.295 MeV [46.233 MeV] (A_Gd:893)
156Gd64 + 10 D* --> 130Te52 + 46Ti22 + 190.290 MeV [40.228 MeV] (A_Gd:894)
156Gd64 + 10 D* --> 128Xe54 + 48Ca20 + 192.889 MeV [42.827 MeV] (A_Gd:895)
156Gd64 + 10 D* --> 130Xe54 + 46Ca20 + 191.832 MeV [41.770 MeV] (A_Gd:896)
156Gd64 + 10 D* --> 132Xe54 + 44Ca20 + 189.564 MeV [39.502 MeV] (A_Gd:897)
156Gd64 + 10 D* --> 134Xe54 + 42Ca20 + 185.487 MeV [35.424 MeV] (A_Gd:898)
156Gd64 + 10 D* --> 136Xe54 + 40Ca20 + 180.086 MeV [30.024 MeV] (A_Gd:899)
156Gd64 + 10 D* --> 136Ba56 + 40Ar18 + 182.742 MeV [32.680 MeV] (A_Gd:900)
156Gd64 + 10 D* --> 138Ba56 + 38Ar18 + 181.791 MeV [31.729 MeV] (A_Gd:901)
156Gd64 + 10 D* --> 139La57 + 37Cl17 + 177.808 MeV [27.746 MeV] (A_Gd:902)
156Gd64 + 10 D* --> 140Ce58 + 36S16 + 177.562 MeV [27.500 MeV] (A_Gd:903)
156Gd64 + 10 D* --> 142Ce58 + 34S16 + 173.285 MeV [23.223 MeV] (A_Gd:904)
156Gd64 + 10 D* --> 146Nd60 + 30Si14 + 164.179 MeV [14.117 MeV] (A_Gd:905)
156Gd64 + 10 D* --> 148Nd60 + 28Si14 + 157.721 MeV [7.659 MeV] (A_Gd:906)
156Gd64 + 10 D* --> 150Sm62 + 26Mg12 + 152.087 MeV [2.025 MeV] (A_Gd:907)
156Gd64 + 10 D* --> 152Sm62 + 24Mg12 + 147.517 MeV [-2.545 MeV] (A_Gd:908)
156Gd64 + 10 D* --> 153Eu63 + 23Na11 + 141.718 MeV [-8.344 MeV] (A_Gd:909)
156Gd64 + 10 D* --> 154Gd64 + 22Ne10 + 140.553 MeV [-9.509 MeV] (A_Gd:910)
156Gd64 + 10 D* --> 155Gd64 + 21Ne10 + 136.624 MeV [-13.438 MeV] (A_Gd:911)
156Gd64 + 10 D* --> 156Gd64 + 20Ne10 + 138.399 MeV [-11.663 MeV] (A_Gd:912)
156Gd64 + 10 D* --> 158Dy66 + 18O8 + 130.009 MeV [-20.053 MeV] (A_Gd:913)
156Gd64 + 10 D* --> 160Dy66 + 16O8 + 133.230 MeV [-16.832 MeV] (A_Gd:914)
156Gd64 + 10 D* --> 164Er68 + 12C6 + 124.765 MeV [-25.298 MeV] (A_Gd:915)

156Gd64 + 11 D* --> 128Te52 + 50V23 + 210.164 MeV [43.464 MeV] (A_Gd:916)
156Gd64 + 11 D* --> 137Ba56 + 41K19 + 195.231 MeV [28.531 MeV] (A_Gd:917)
156Gd64 + 11 D* --> 138Ba56 + 40K19 + 193.748 MeV [27.047 MeV] (A_Gd:918)
156Gd64 + 11 D* --> 138La57 + 40Ar18 + 193.515 MeV [26.815 MeV] (A_Gd:919)
156Gd64 + 11 D* --> 153Eu63 + 25Mg12 + 158.517 MeV [-8.183 MeV] (A_Gd:920)
156Gd64 + 11 D* --> 155Gd64 + 23Na11 + 153.558 MeV [-13.143 MeV] (A_Gd:921)
156Gd64 + 11 D* --> 164Er68 + 14N7 + 135.037 MeV [-31.664 MeV] (A_Gd:922)
156Gd64 + 11 D* --> 168Yb70 + 10B5 + 121.475 MeV [-45.226 MeV] (A_Gd:923)

156Gd64 + 12 D* --> 94Zr40 + 86Kr36 + 255.619 MeV [71.991 MeV] (A_Gd:924)
156Gd64 + 12 D* --> 96Zr40 + 84Kr36 + 252.960 MeV [69.333 MeV] (A_Gd:925)
156Gd64 + 12 D* --> 98Mo42 + 82Se34 + 250.792 MeV [67.165 MeV] (A_Gd:926)
156Gd64 + 12 D* --> 100Mo42 + 80Se34 + 249.031 MeV [65.403 MeV] (A_Gd:927)
156Gd64 + 12 D* --> 104Ru44 + 76Ge32 + 246.388 MeV [62.761 MeV] (A_Gd:928)
156Gd64 + 12 D* --> 110Pd46 + 70Zn30 + 243.000 MeV [59.373 MeV] (A_Gd:929)
156Gd64 + 12 D* --> 116Cd48 + 64Ni28 + 240.905 MeV [57.278 MeV] (A_Gd:930)

156Gd64 + 12 D* --> 122Sn50 + 58Fe26 + 237.186 MeV [53.558 MeV] (A_Gd:931)
156Gd64 + 12 D* --> 124Sn50 + 56Fe26 + 233.929 MeV [50.301 MeV] (A_Gd:932)
156Gd64 + 12 D* --> 126Te52 + 54Cr24 + 232.084 MeV [48.456 MeV] (A_Gd:933)
156Gd64 + 12 D* --> 128Te52 + 52Cr24 + 229.495 MeV [45.868 MeV] (A_Gd:934)
156Gd64 + 12 D* --> 130Te52 + 50Cr24 + 222.697 MeV [39.070 MeV] (A_Gd:935)
156Gd64 + 12 D* --> 130Xe54 + 50Ti22 + 226.395 MeV [42.767 MeV] (A_Gd:936)
156Gd64 + 12 D* --> 131Xe54 + 49Ti22 + 222.060 MeV [38.433 MeV] (A_Gd:937)
156Gd64 + 12 D* --> 132Xe54 + 48Ti22 + 222.855 MeV [39.227 MeV] (A_Gd:938)
156Gd64 + 12 D* --> 134Xe54 + 46Ti22 + 217.334 MeV [33.707 MeV] (A_Gd:939)
156Gd64 + 12 D* --> 132Ba56 + 48Ca20 + 217.735 MeV [34.108 MeV] (A_Gd:940)
156Gd64 + 12 D* --> 134Ba56 + 46Ca20 + 217.171 MeV [33.544 MeV] (A_Gd:941)
156Gd64 + 12 D* --> 136Ba56 + 44Ca20 + 215.442 MeV [31.814 MeV] (A_Gd:942)
156Gd64 + 12 D* --> 137Ba56 + 43Ca20 + 211.216 MeV [27.589 MeV] (A_Gd:943)
156Gd64 + 12 D* --> 138Ba56 + 42Ca20 + 211.895 MeV [28.268 MeV] (A_Gd:944)
156Gd64 + 12 D* --> 139La57 + 41K19 + 207.877 MeV [24.250 MeV] (A_Gd:945)
156Gd64 + 12 D* --> 140Ce58 + 40Ar18 + 208.210 MeV [24.582 MeV] (A_Gd:946)
156Gd64 + 12 D* --> 142Ce58 + 38Ar18 + 204.339 MeV [20.712 MeV] (A_Gd:947)
156Gd64 + 12 D* --> 144Nd60 + 36S16 + 199.504 MeV [15.876 MeV] (A_Gd:948)
156Gd64 + 12 D* --> 146Nd60 + 34S16 + 195.949 MeV [12.322 MeV] (A_Gd:949)
156Gd64 + 12 D* --> 148Nd60 + 32S16 + 188.516 MeV [4.888 MeV] (A_Gd:950)
156Gd64 + 12 D* --> 150Sm62 + 30Si14 + 186.577 MeV [2.949 MeV] (A_Gd:951)
156Gd64 + 12 D* --> 152Sm62 + 28Si14 + 181.348 MeV [-2.279 MeV] (A_Gd:952)
156Gd64 + 12 D* --> 153Eu63 + 27Al13 + 175.657 MeV [-7.971 MeV] (A_Gd:953)
156Gd64 + 12 D* --> 154Gd64 + 26Mg12 + 175.014 MeV [-8.613 MeV] (A_Gd:954)
156Gd64 + 12 D* --> 155Gd64 + 25Mg12 + 170.356 MeV [-13.271 MeV] (A_Gd:955)
156Gd64 + 12 D* --> 156Gd64 + 24Mg12 + 171.562 MeV [-12.065 MeV] (A_Gd:956)
156Gd64 + 12 D* --> 158Dy66 + 22Ne10 + 163.523 MeV [-20.104 MeV] (A_Gd:957)
156Gd64 + 12 D* --> 160Dy66 + 20Ne10 + 161.806 MeV [-21.821 MeV] (A_Gd:958)
156Gd64 + 12 D* --> 162Er68 + 18O8 + 152.211 MeV [-31.417 MeV] (A_Gd:959)
156Gd64 + 12 D* --> 164Er68 + 16O8 + 155.773 MeV [-27.854 MeV] (A_Gd:960)
156Gd64 + 12 D* --> 168Yb70 + 12C6 + 146.661 MeV [-36.966 MeV] (A_Gd:961)

157Gd64 + D* --> 136Xe54 + 23Na11 + 38.260 MeV [24.651 MeV] (A_Gd:962)
157Gd64 + D* --> 148Nd60 + 11B5 + 11.051 MeV [-2.559 MeV] (A_Gd:963)
157Gd64 + D* --> 152Sm62 + 7Li3 + 2.166 MeV [-11.444 MeV] (A_Gd:964)
157Gd64 + D* --> 158Gd64 + 1H1 + 5.713 MeV [-7.896 MeV] (A_Gd:965)
157Gd64 + D* --> 159Tb65 + 11.844 MeV [-1.765 MeV] (A_Gd:966)

157Gd64 + 2 D* --> 136Xe54 + 25Mg12 + 55.059 MeV [27.530 MeV] (A_Gd:967)
157Gd64 + 2 D* --> 148Nd60 + 13C6 + 29.729 MeV [2.200 MeV] (A_Gd:968)
157Gd64 + 2 D* --> 152Sm62 + 9Be4 + 18.862 MeV [-8.667 MeV] (A_Gd:969)
157Gd64 + 2 D* --> 157Gd64 + 4He2 + 23.847 MeV [-3.682 MeV] (A_Gd:970)
157Gd64 + 2 D* --> 158Gd64 + 3He2 + 11.206 MeV [-16.322 MeV] (A_Gd:971)
157Gd64 + 2 D* --> 159Tb65 + 2H1 + 11.844 MeV [-15.685 MeV] (A_Gd:972)
157Gd64 + 2 D* --> 161Dy66 + 23.502 MeV [-4.027 MeV] (A_Gd:973)

157Gd64 + 3 D* --> 136Xe54 + 27Al13 + 72.198 MeV [30.442 MeV] (A_Gd:974)
157Gd64 + 3 D* --> 148Nd60 + 15N7 + 45.888 MeV [4.132 MeV] (A_Gd:975)
157Gd64 + 3 D* --> 152Sm62 + 11B5 + 34.677 MeV [-7.079 MeV] (A_Gd:976)
157Gd64 + 3 D* --> 156Gd64 + 7Li3 + 26.211 MeV [-15.546 MeV] (A_Gd:977)
157Gd64 + 3 D* --> 157Gd64 + 6Li3 + 25.320 MeV [-16.436 MeV] (A_Gd:978)
157Gd64 + 3 D* --> 159Tb65 + 4He2 + 35.691 MeV [-6.066 MeV] (A_Gd:979)
157Gd64 + 3 D* --> 161Dy66 + 2H1 + 23.502 MeV [-18.254 MeV] (A_Gd:980)
157Gd64 + 3 D* --> 162Dy66 + 1H1 + 29.474 MeV [-12.282 MeV] (A_Gd:981)

157Gd64 + 4 D* --> 136Xe54 + 29Si14 + 90.032 MeV [33.743 MeV] (A_Gd:982)
157Gd64 + 4 D* --> 148Nd60 + 17O8 + 59.934 MeV [3.645 MeV] (A_Gd:983)
157Gd64 + 4 D* --> 152Sm62 + 13C6 + 53.356 MeV [-2.933 MeV] (A_Gd:984)
157Gd64 + 4 D* --> 156Gd64 + 9Be4 + 42.907 MeV [-13.383 MeV] (A_Gd:985)
157Gd64 + 4 D* --> 159Tb65 + 6Li3 + 37.164 MeV [-19.125 MeV] (A_Gd:986)
157Gd64 + 4 D* --> 161Dy66 + 4He2 + 47.348 MeV [-8.941 MeV] (A_Gd:987)
157Gd64 + 4 D* --> 162Dy66 + 3He2 + 34.968 MeV [-21.322 MeV] (A_Gd:988)

157Gd64 + 5 D* --> 130Te52 + 37Cl17 + 113.961 MeV [42.835 MeV] (A_Gd:989)
157Gd64 + 5 D* --> 136Xe54 + 31P15 + 105.714 MeV [34.588 MeV] (A_Gd:990)
157Gd64 + 5 D* --> 148Nd60 + 19F9 + 73.749 MeV [2.623 MeV] (A_Gd:991)
157Gd64 + 5 D* --> 152Sm62 + 15N7 + 69.515 MeV [-1.610 MeV] (A_Gd:992)
157Gd64 + 5 D* --> 156Gd64 + 11B5 + 58.722 MeV [-12.403 MeV] (A_Gd:993)
157Gd64 + 5 D* --> 157Gd64 + 10B5 + 53.628 MeV [-17.498 MeV] (A_Gd:994)
157Gd64 + 5 D* --> 160Dy66 + 7Li3 + 49.618 MeV [-21.508 MeV] (A_Gd:995)
157Gd64 + 5 D* --> 161Dy66 + 6Li3 + 48.822 MeV [-22.303 MeV] (A_Gd:996)
157Gd64 + 5 D* --> 166Er68 + 1H1 + 52.491 MeV [-18.635 MeV] (A_Gd:997)

157Gd64 + 6 D* --> 136Xe54 + 33S16 + 120.995 MeV [34.732 MeV] (A_Gd:998)
157Gd64 + 6 D* --> 148Nd60 + 21Ne10 + 91.129 MeV [4.866 MeV] (A_Gd:999)
157Gd64 + 6 D* --> 152Sm62 + 17O8 + 83.561 MeV [-2.702 MeV]
(A_Gd:1000)
157Gd64 + 6 D* --> 156Gd64 + 13C6 + 77.401 MeV [-8.862 MeV]
(A_Gd:1001)
157Gd64 + 6 D* --> 157Gd64 + 12C6 + 78.814 MeV [-7.449 MeV]
(A_Gd:1002)
157Gd64 + 6 D* --> 159Tb65 + 10B5 + 65.472 MeV [-20.791 MeV]
(A_Gd:1003)
157Gd64 + 6 D* --> 160Dy66 + 9Be4 + 66.314 MeV [-19.949 MeV]
(A_Gd:1004)
157Gd64 + 6 D* --> 166Er68 + 3He2 + 57.984 MeV [-28.279 MeV]
(A_Gd:1005)

157Gd64 + 7 D* --> 123Sb51 + 48Ca20 + 154.558 MeV [52.859 MeV]
(A_Gd:1006)
157Gd64 + 7 D* --> 130Te52 + 41K19 + 144.030 MeV [42.331 MeV]
(A_Gd:1007)
157Gd64 + 7 D* --> 134Xe54 + 37Cl17 + 141.005 MeV [39.306 MeV]
(A_Gd:1008)
157Gd64 + 7 D* --> 136Xe54 + 35Cl17 + 136.558 MeV [34.859 MeV]
(A_Gd:1009)
157Gd64 + 7 D* --> 148Nd60 + 23Na11 + 108.063 MeV [6.364 MeV]
(A_Gd:1010)
157Gd64 + 7 D* --> 152Sm62 + 19F9 + 97.376 MeV [-4.323 MeV]
(A_Gd:1011)
157Gd64 + 7 D* --> 153Eu63 + 18O8 + 95.274 MeV [-6.425 MeV]
(A_Gd:1012)
157Gd64 + 7 D* --> 156Gd64 + 15N7 + 93.560 MeV [-8.139 MeV]
(A_Gd:1013)
157Gd64 + 7 D* --> 157Gd64 + 14N7 + 89.087 MeV [-12.612 MeV]
(A_Gd:1014)
157Gd64 + 7 D* --> 159Tb65 + 12C6 + 90.658 MeV [-11.041 MeV]
(A_Gd:1015)

157Gd64 + 7 D* --> 160Dy66 + 11B5 + 82.130 MeV [-19.569 MeV]
(A_Gd:1016)
157Gd64 + 7 D* --> 161Dy66 + 10B5 + 77.130 MeV [-24.569 MeV]
(A_Gd:1017)
157Gd64 + 7 D* --> 164Er68 + 7Li3 + 72.161 MeV [-29.538 MeV]
(A_Gd:1018)
157Gd64 + 7 D* --> 170Yb70 + 1H1 + 74.599 MeV [-27.100 MeV]
(A_Gd:1019)

157Gd64 + 8 D* --> 124Sn50 + 49Ti22 + 171.051 MeV [53.619 MeV]
(A_Gd:1020)
157Gd64 + 8 D* --> 125Te52 + 48Ca20 + 167.491 MeV [50.060 MeV]
(A_Gd:1021)
157Gd64 + 8 D* --> 130Te52 + 43Ca20 + 160.015 MeV [42.583 MeV]
(A_Gd:1022)
157Gd64 + 8 D* --> 137Ba56 + 36S16 + 152.640 MeV [35.209 MeV]
(A_Gd:1023)
157Gd64 + 8 D* --> 148Nd60 + 25Mg12 + 124.861 MeV [7.430 MeV]
(A_Gd:1024)
157Gd64 + 8 D* --> 152Sm62 + 21Ne10 + 114.756 MeV [-2.676 MeV]
(A_Gd:1025)
157Gd64 + 8 D* --> 155Gd64 + 18O8 + 107.114 MeV [-10.318 MeV]
(A_Gd:1026)
157Gd64 + 8 D* --> 156Gd64 + 17O8 + 107.606 MeV [-9.826 MeV]
(A_Gd:1027)
157Gd64 + 8 D* --> 157Gd64 + 16O8 + 109.823 MeV [-7.609 MeV]
(A_Gd:1028)
157Gd64 + 8 D* --> 159Tb65 + 14N7 + 100.931 MeV [-16.501 MeV]
(A_Gd:1029)
157Gd64 + 8 D* --> 160Dy66 + 13C6 + 100.808 MeV [-16.624 MeV]
(A_Gd:1030)
157Gd64 + 8 D* --> 161Dy66 + 12C6 + 102.316 MeV [-15.115 MeV]
(A_Gd:1031)
157Gd64 + 8 D* --> 164Er68 + 9Be4 + 88.857 MeV [-28.575 MeV]
(A_Gd:1032)
157Gd64 + 8 D* --> 170Yb70 + 3He2 + 80.093 MeV [-37.339 MeV]
(A_Gd:1033)

157Gd64 + 9 D* --> 124Sn50 + 51V23 + 187.829 MeV [54.370 MeV]
(A_Gd:1034)
157Gd64 + 9 D* --> 130Te52 + 45Sc21 + 175.810 MeV [42.351 MeV]
(A_Gd:1035)
157Gd64 + 9 D* --> 127I53 + 48Ca20 + 180.588 MeV [47.129 MeV]
(A_Gd:1036)
157Gd64 + 9 D* --> 134Xe54 + 41K19 + 171.074 MeV [37.615 MeV]
(A_Gd:1037)
157Gd64 + 9 D* --> 136Xe54 + 39K19 + 167.623 MeV [34.164 MeV]
(A_Gd:1038)
157Gd64 + 9 D* --> 138Ba56 + 37Cl17 + 167.414 MeV [33.955 MeV]
(A_Gd:1039)
157Gd64 + 9 D* --> 139La57 + 36S16 + 165.286 MeV [31.827 MeV]
(A_Gd:1040)
157Gd64 + 9 D* --> 148Nd60 + 27Al13 + 142.001 MeV [8.542 MeV]
(A_Gd:1041)

157Gd64 + 9 D* --> 152Sm62 + 23Na11 + 131.689 MeV [-1.770 MeV]
(A_Gd:1042)
157Gd64 + 9 D* --> 153Eu63 + 22Ne10 + 128.789 MeV [-4.670 MeV]
(A_Gd:1043)
157Gd64 + 9 D* --> 156Gd64 + 19F9 + 121.420 MeV [-12.039 MeV]
(A_Gd:1044)
157Gd64 + 9 D* --> 159Tb65 + 16O8 + 121.667 MeV [-11.792 MeV]
(A_Gd:1045)
157Gd64 + 9 D* --> 160Dy66 + 15N7 + 116.967 MeV [-16.492 MeV]
(A_Gd:1046)
157Gd64 + 9 D* --> 161Dy66 + 14N7 + 112.589 MeV [-20.871 MeV]
(A_Gd:1047)
157Gd64 + 9 D* --> 164Er68 + 11B5 + 104.672 MeV [-28.787 MeV]
(A_Gd:1048)
157Gd64 + 9 D* --> 168Yb70 + 7Li3 + 94.057 MeV [-39.402 MeV]
(A_Gd:1049)
157Gd64 + 9 D* --> 174Hf72 + 1H1 + 95.948 MeV [-37.511 MeV]
(A_Gd:1050)

157Gd64 + 10 D* --> 124Sn50 + 53Cr24 + 204.048 MeV [54.269 MeV]
(A_Gd:1051)
157Gd64 + 10 D* --> 128Te52 + 49Ti22 + 198.077 MeV [48.298 MeV]
(A_Gd:1052)
157Gd64 + 10 D* --> 130Te52 + 47Ti22 + 192.810 MeV [43.031 MeV]
(A_Gd:1053)
157Gd64 + 10 D* --> 129Xe54 + 48Ca20 + 193.438 MeV [43.659 MeV]
(A_Gd:1054)
157Gd64 + 10 D* --> 131Xe54 + 46Ca20 + 192.077 MeV [42.298 MeV]
(A_Gd:1055)
157Gd64 + 10 D* --> 134Xe54 + 43Ca20 + 187.060 MeV [37.281 MeV]
(A_Gd:1056)
157Gd64 + 10 D* --> 137Ba56 + 40Ar18 + 183.288 MeV [33.509 MeV]
(A_Gd:1057)
157Gd64 + 10 D* --> 148Nd60 + 29Si14 + 159.835 MeV [10.056 MeV]
(A_Gd:1058)
157Gd64 + 10 D* --> 152Sm62 + 25Mg12 + 148.488 MeV [-1.291 MeV]
(A_Gd:1059)
157Gd64 + 10 D* --> 155Gd64 + 22Ne10 + 140.628 MeV [-9.151 MeV]
(A_Gd:1060)
157Gd64 + 10 D* --> 156Gd64 + 21Ne10 + 138.801 MeV [-10.978 MeV]
(A_Gd:1061)
157Gd64 + 10 D* --> 157Gd64 + 20Ne10 + 138.399 MeV [-11.380 MeV]
(A_Gd:1062)
157Gd64 + 10 D* --> 160Dy66 + 17O8 + 131.013 MeV [-18.766 MeV]
(A_Gd:1063)
157Gd64 + 10 D* --> 161Dy66 + 16O8 + 133.325 MeV [-16.454 MeV]
(A_Gd:1064)
157Gd64 + 10 D* --> 164Er68 + 13C6 + 123.351 MeV [-26.428 MeV]
(A_Gd:1065)
157Gd64 + 10 D* --> 168Yb70 + 9Be4 + 110.754 MeV [-39.025 MeV]
(A_Gd:1066)
157Gd64 + 10 D* --> 174Hf72 + 3He2 + 101.442 MeV [-48.337 MeV]
(A_Gd:1067)

157Gd64 + 11 D* --> 124Sn50 + 55Mn25 + 219.610 MeV [53.220 MeV]
(A_Gd:1068)
157Gd64 + 11 D* --> 128Te52 + 51V23 + 214.856 MeV [48.466 MeV]
(A_Gd:1069)
157Gd64 + 11 D* --> 134Xe54 + 45Sc21 + 202.855 MeV [36.465 MeV]
(A_Gd:1070)
157Gd64 + 11 D* --> 133Cs55 + 46Ca20 + 204.868 MeV [38.479 MeV]
(A_Gd:1071)
157Gd64 + 11 D* --> 138Ba56 + 41K19 + 197.483 MeV [31.093 MeV]
(A_Gd:1072)
157Gd64 + 11 D* --> 139La57 + 40Ar18 + 195.934 MeV [29.544 MeV]
(A_Gd:1073)
157Gd64 + 11 D* --> 142Ce58 + 37Cl17 + 189.962 MeV [23.573 MeV]
(A_Gd:1074)
157Gd64 + 11 D* --> 148Nd60 + 31P15 + 175.517 MeV [9.127 MeV]
(A_Gd:1075)
157Gd64 + 11 D* --> 152Sm62 + 27Al13 + 165.628 MeV [-0.762 MeV]
(A_Gd:1076)
157Gd64 + 11 D* --> 153Eu63 + 26Mg12 + 163.250 MeV [-3.139 MeV]
(A_Gd:1077)
157Gd64 + 11 D* --> 156Gd64 + 23Na11 + 155.734 MeV [-10.655 MeV]
(A_Gd:1078)
157Gd64 + 11 D* --> 159Tb65 + 20Ne10 + 150.243 MeV [-16.146 MeV]
(A_Gd:1079)
157Gd64 + 11 D* --> 160Dy66 + 19F9 + 144.828 MeV [-21.562 MeV]
(A_Gd:1080)
157Gd64 + 11 D* --> 164Er68 + 15N7 + 139.510 MeV [-26.879 MeV]
(A_Gd:1081)
157Gd64 + 11 D* --> 168Yb70 + 11B5 + 126.569 MeV [-39.821 MeV]
(A_Gd:1082)

157Gd64 + 12 D* --> 124Sn50 + 57Fe26 + 235.215 MeV [51.926 MeV]
(A_Gd:1083)
157Gd64 + 12 D* --> 128Te52 + 53Cr24 + 231.075 MeV [47.786 MeV]
(A_Gd:1084)
157Gd64 + 12 D* --> 131Xe54 + 50Ti22 + 226.640 MeV [43.351 MeV]
(A_Gd:1085)
157Gd64 + 12 D* --> 132Xe54 + 49Ti22 + 224.637 MeV [41.349 MeV]
(A_Gd:1086)
157Gd64 + 12 D* --> 134Xe54 + 47Ti22 + 219.855 MeV [36.566 MeV]
(A_Gd:1087)
157Gd64 + 12 D* --> 135Ba56 + 46Ca20 + 217.784 MeV [34.495 MeV]
(A_Gd:1088)
157Gd64 + 12 D* --> 137Ba56 + 44Ca20 + 215.988 MeV [32.699 MeV]
(A_Gd:1089)
157Gd64 + 12 D* --> 138Ba56 + 43Ca20 + 213.468 MeV [30.180 MeV]
(A_Gd:1090)
157Gd64 + 12 D* --> 145Nd60 + 36S16 + 198.899 MeV [15.611 MeV]
(A_Gd:1091)
157Gd64 + 12 D* --> 148Nd60 + 33S16 + 190.797 MeV [7.509 MeV]
(A_Gd:1092)
157Gd64 + 12 D* --> 152Sm62 + 29Si14 + 183.462 MeV [00.173 MeV]
(A_Gd:1093)
157Gd64 + 12 D* --> 155Gd64 + 26Mg12 + 175.090 MeV [-8.199 MeV]

(A_Gd:1094)
157Gd64 + 12 D* --> 156Gd64 + 25Mg12 + 172.533 MeV [-10.756 MeV]
(A_Gd:1095)
157Gd64 + 12 D* --> 157Gd64 + 24Mg12 + 171.562 MeV [-11.726 MeV]
(A_Gd:1096)
157Gd64 + 12 D* --> 160Dy66 + 21Ne10 + 162.208 MeV [-21.081 MeV]
(A_Gd:1097)
157Gd64 + 12 D* --> 161Dy66 + 20Ne10 + 161.901 MeV [-21.388 MeV]
(A_Gd:1098)
157Gd64 + 12 D* --> 164Er68 + 17O8 + 153.556 MeV [-29.732 MeV]
(A_Gd:1099)
157Gd64 + 12 D* --> 168Yb70 + 13C6 + 145.248 MeV [-38.041 MeV]
(A_Gd:1100)

158Gd64 + D* --> 150Nd60 + 10B5 + 4.078 MeV [-9.503 MeV]
(A_Gd:1101)
158Gd64 + D* --> 154Sm62 + 6Li3 + 00.814 MeV [-12.767 MeV]
(A_Gd:1102)

158Gd64 + 2 D* --> 136Xe54 + 26Mg12 + 58.214 MeV [30.742 MeV]
(A_Gd:1103)
158Gd64 + 2 D* --> 150Nd60 + 12C6 + 29.264 MeV [1.792 MeV]
(A_Gd:1104)
158Gd64 + 2 D* --> 158Gd64 + 4He2 + 23.847 MeV [-3.626 MeV]
(A_Gd:1105)
158Gd64 + 2 D* --> 162Dy66 + 23.762 MeV [-3.711 MeV]
(A_Gd:1106)

158Gd64 + 3 D* --> 150Nd60 + 14N7 + 39.537 MeV [-2.135 MeV]
(A_Gd:1107)
158Gd64 + 3 D* --> 154Sm62 + 10B5 + 29.121 MeV [-12.550 MeV]
(A_Gd:1108)
158Gd64 + 3 D* --> 157Gd64 + 7Li3 + 24.633 MeV [-17.038 MeV]
(A_Gd:1109)
158Gd64 + 3 D* --> 158Gd64 + 6Li3 + 25.320 MeV [-16.351 MeV]
(A_Gd:1110)
158Gd64 + 3 D* --> 162Dy66 + 2H1 + 23.762 MeV [-17.910 MeV]
(A_Gd:1111)
158Gd64 + 3 D* --> 163Dy66 + 1H1 + 27.808 MeV [-13.863 MeV]
(A_Gd:1112)

158Gd64 + 4 D* --> 130Te52 + 36S16 + 99.862 MeV [43.686 MeV]
(A_Gd:1113)
158Gd64 + 4 D* --> 136Xe54 + 30Si14 + 92.704 MeV [36.528 MeV]
(A_Gd:1114)
158Gd64 + 4 D* --> 148Nd60 + 18O8 + 60.041 MeV [3.865 MeV]
(A_Gd:1115)
158Gd64 + 4 D* --> 150Nd60 + 16O8 + 60.273 MeV [4.097 MeV]
(A_Gd:1116)
158Gd64 + 4 D* --> 154Sm62 + 12C6 + 54.308 MeV [-1.868 MeV]
(A_Gd:1117)
158Gd64 + 4 D* --> 157Gd64 + 9Be4 + 41.329 MeV [-14.847 MeV]
(A_Gd:1118)
158Gd64 + 4 D* --> 159Tb65 + 7Li3 + 36.477 MeV [-19.699 MeV]

(A_Gd:1119)
158Gd64 + 4 D* --> 162Dy66 + 4He2 + 47.608 MeV [-8.568 MeV]
(A_Gd:1120)
158Gd64 + 4 D* --> 163Dy66 + 3He2 + 33.301 MeV [-22.875 MeV]
(A_Gd:1121)
158Gd64 + 4 D* --> 165Ho67 + 1H1 + 39.462 MeV [-16.714 MeV]
(A_Gd:1122)
158Gd64 + 4 D* --> 166Er68 + 46.778 MeV [-9.398 MeV]
(A_Gd:1123)

158Gd64 + 5 D* --> 154Sm62 + 14N7 + 64.580 MeV [-6.404 MeV]
(A_Gd:1124)
158Gd64 + 5 D* --> 157Gd64 + 11B5 + 57.145 MeV [-13.840 MeV]
(A_Gd:1125)
158Gd64 + 5 D* --> 158Gd64 + 10B5 + 53.628 MeV [-17.356 MeV]
(A_Gd:1126)
158Gd64 + 5 D* --> 159Tb65 + 9Be4 + 53.173 MeV [-17.811 MeV]
(A_Gd:1127)
158Gd64 + 5 D* --> 161Dy66 + 7Li3 + 48.135 MeV [-22.849 MeV]
(A_Gd:1128)
158Gd64 + 5 D* --> 162Dy66 + 6Li3 + 49.082 MeV [-21.902 MeV]
(A_Gd:1129)
158Gd64 + 5 D* --> 165Ho67 + 3He2 + 44.955 MeV [-26.029 MeV]
(A_Gd:1130)
158Gd64 + 5 D* --> 166Er68 + 2H1 + 46.778 MeV [-24.206 MeV]
(A_Gd:1131)
158Gd64 + 5 D* --> 167Er68 + 1H1 + 50.990 MeV [-19.995 MeV]
(A_Gd:1132)

158Gd64 + 6 D* --> 122Sn50 + 48Ca20 + 142.278 MeV [56.184 MeV]
(A_Gd:1133)
158Gd64 + 6 D* --> 124Sn50 + 46Ca20 + 139.489 MeV [53.396 MeV]
(A_Gd:1134)
158Gd64 + 6 D* --> 130Te52 + 40Ar18 + 130.509 MeV [44.415 MeV]
(A_Gd:1135)
158Gd64 + 6 D* --> 134Xe54 + 36S16 + 126.906 MeV [40.813 MeV]
(A_Gd:1136)
158Gd64 + 6 D* --> 136Xe54 + 34S16 + 124.475 MeV [38.381 MeV]
(A_Gd:1137)
158Gd64 + 6 D* --> 148Nd60 + 22Ne10 + 93.556 MeV [7.462 MeV]
(A_Gd:1138)
158Gd64 + 6 D* --> 150Nd60 + 20Ne10 + 88.849 MeV [2.756 MeV]
(A_Gd:1139)
158Gd64 + 6 D* --> 152Sm62 + 18O8 + 83.668 MeV [-2.426 MeV]
(A_Gd:1140)
158Gd64 + 6 D* --> 154Sm62 + 16O8 + 85.316 MeV [-0.777 MeV]
(A_Gd:1141)
158Gd64 + 6 D* --> 157Gd64 + 13C6 + 75.823 MeV [-10.270 MeV]
(A_Gd:1142)
158Gd64 + 6 D* --> 158Gd64 + 12C6 + 78.814 MeV [-7.279 MeV]
(A_Gd:1143)
158Gd64 + 6 D* --> 159Tb65 + 11B5 + 68.989 MeV [-17.105 MeV]
(A_Gd:1144)
158Gd64 + 6 D* --> 161Dy66 + 9Be4 + 64.831 MeV [-21.262 MeV]

(A_Gd:1145)
158Gd64 + 6 D* --> 166Er68 + 4He2 + 70.624 MeV [-15.469 MeV]
(A_Gd:1146)
158Gd64 + 6 D* --> 167Er68 + 3He2 + 56.483 MeV [-29.610 MeV]
(A_Gd:1147)
158Gd64 + 6 D* --> 169Tm69 + 1H1 + 62.109 MeV [-23.985 MeV]
(A_Gd:1148)
158Gd64 + 6 D* --> 170Yb70 + 68.887 MeV [-17.207 MeV]
(A_Gd:1149)

158Gd64 + 7 D* --> 157Gd64 + 15N7 + 91.983 MeV [-9.519 MeV]
(A_Gd:1150)
158Gd64 + 7 D* --> 158Gd64 + 14N7 + 89.087 MeV [-12.415 MeV]
(A_Gd:1151)
158Gd64 + 7 D* --> 159Tb65 + 13C6 + 87.667 MeV [-13.834 MeV]
(A_Gd:1152)
158Gd64 + 7 D* --> 161Dy66 + 11B5 + 80.647 MeV [-20.855 MeV]
(A_Gd:1153)
158Gd64 + 7 D* --> 162Dy66 + 10B5 + 77.389 MeV [-24.112 MeV]
(A_Gd:1154)
158Gd64 + 7 D* --> 166Er68 + 6Li3 + 72.098 MeV [-29.403 MeV]
(A_Gd:1155)
158Gd64 + 7 D* --> 169Tm69 + 3He2 + 67.602 MeV [-33.899 MeV]
(A_Gd:1156)
158Gd64 + 7 D* --> 170Yb70 + 2H1 + 68.887 MeV [-32.615 MeV]
(A_Gd:1157)
158Gd64 + 7 D* --> 171Yb70 + 1H1 + 73.276 MeV [-28.225 MeV]
(A_Gd:1158)

158Gd64 + 8 D* --> 124Sn50 + 50Ti22 + 174.052 MeV [56.846 MeV]
(A_Gd:1159)
158Gd64 + 8 D* --> 126Te52 + 48Ca20 + 168.668 MeV [51.461 MeV]
(A_Gd:1160)
158Gd64 + 8 D* --> 128Te52 + 46Ca20 + 166.516 MeV [49.310 MeV]
(A_Gd:1161)
158Gd64 + 8 D* --> 130Te52 + 44Ca20 + 163.209 MeV [46.003 MeV]
(A_Gd:1162)
158Gd64 + 8 D* --> 134Xe54 + 40Ar18 + 157.553 MeV [40.347 MeV]
(A_Gd:1163)
158Gd64 + 8 D* --> 136Xe54 + 38Ar18 + 155.529 MeV [38.322 MeV]
(A_Gd:1164)
158Gd64 + 8 D* --> 138Ba56 + 36S16 + 153.315 MeV [36.108 MeV]
(A_Gd:1165)
158Gd64 + 8 D* --> 148Nd60 + 26Mg12 + 128.017 MeV [10.811 MeV]
(A_Gd:1166)
158Gd64 + 8 D* --> 150Nd60 + 24Mg12 + 122.012 MeV [4.806 MeV]
(A_Gd:1167)
158Gd64 + 8 D* --> 152Sm62 + 22Ne10 + 117.183 MeV [-0.024 MeV]
(A_Gd:1168)
158Gd64 + 8 D* --> 154Sm62 + 20Ne10 + 113.893 MeV [-3.314 MeV]
(A_Gd:1169)
158Gd64 + 8 D* --> 156Gd64 + 18O8 + 107.713 MeV [-9.494 MeV]
(A_Gd:1170)
158Gd64 + 8 D* --> 157Gd64 + 17O8 + 106.029 MeV [-11.178 MeV]

(A_Gd:1171)
158Gd64 + 8 D* --> 158Gd64 + 16O8 + 109.823 MeV [-7.384 MeV]
(A_Gd:1172)
158Gd64 + 8 D* --> 159Tb65 + 15N7 + 103.827 MeV [-13.380 MeV]
(A_Gd:1173)
158Gd64 + 8 D* --> 161Dy66 + 13C6 + 99.325 MeV [-17.881 MeV]
(A_Gd:1174)
158Gd64 + 8 D* --> 162Dy66 + 12C6 + 102.576 MeV [-14.630 MeV]
(A_Gd:1175)
158Gd64 + 8 D* --> 170Yb70 + 4He2 + 92.733 MeV [-24.473 MeV]
(A_Gd:1176)
158Gd64 + 8 D* --> 171Yb70 + 3He2 + 78.770 MeV [-38.436 MeV]
(A_Gd:1177)
158Gd64 + 8 D* --> 174Hf72 + 90.236 MeV [-26.971 MeV]
(A_Gd:1178)

158Gd64 + 9 D* --> 136Xe54 + 40K19 + 167.485 MeV [34.279 MeV]
(A_Gd:1179)
158Gd64 + 9 D* --> 157Gd64 + 19F9 + 119.843 MeV [-13.363 MeV]
(A_Gd:1180)
158Gd64 + 9 D* --> 159Tb65 + 17O8 + 117.873 MeV [-15.333 MeV]
(A_Gd:1181)
158Gd64 + 9 D* --> 161Dy66 + 15N7 + 115.484 MeV [-17.721 MeV]
(A_Gd:1182)
158Gd64 + 9 D* --> 162Dy66 + 14N7 + 112.848 MeV [-20.358 MeV]
(A_Gd:1183)
158Gd64 + 9 D* --> 166Er68 + 10B5 + 100.406 MeV [-32.800 MeV]
(A_Gd:1184)
158Gd64 + 9 D* --> 170Yb70 + 6Li3 + 94.207 MeV [-38.999 MeV]
(A_Gd:1185)
158Gd64 + 9 D* --> 174Hf72 + 2H1 + 90.236 MeV [-42.970 MeV]
(A_Gd:1186)

158Gd64 + 10 D* --> 96Zr40 + 82Se34 + 223.697 MeV [74.199 MeV]
(A_Gd:1187)
158Gd64 + 10 D* --> 124Sn50 + 54Cr24 + 205.830 MeV [56.332 MeV]
(A_Gd:1188)
158Gd64 + 10 D* --> 128Te52 + 50Ti22 + 201.079 MeV [51.581 MeV]
(A_Gd:1189)
158Gd64 + 10 D* --> 130Te52 + 48Ti22 + 196.500 MeV [47.002 MeV]
(A_Gd:1190)
158Gd64 + 10 D* --> 130Xe54 + 48Ca20 + 194.756 MeV [45.258 MeV]
(A_Gd:1191)
158Gd64 + 10 D* --> 132Xe54 + 46Ca20 + 193.076 MeV [43.578 MeV]
(A_Gd:1192)
158Gd64 + 10 D* --> 134Xe54 + 44Ca20 + 190.253 MeV [40.755 MeV]
(A_Gd:1193)
158Gd64 + 10 D* --> 136Xe54 + 42Ca20 + 185.633 MeV [36.135 MeV]
(A_Gd:1194)
158Gd64 + 10 D* --> 138Ba56 + 40Ar18 + 183.962 MeV [34.464 MeV]
(A_Gd:1195)
158Gd64 + 10 D* --> 142Ce58 + 36S16 + 175.863 MeV [26.365 MeV]
(A_Gd:1196)
158Gd64 + 10 D* --> 148Nd60 + 30Si14 + 162.507 MeV [13.009 MeV]

(A_Gd:1197)
158Gd64 + 10 D* --> 150Nd60 + 28Si14 + 155.843 MeV [6.345 MeV]
(A_Gd:1198)
158Gd64 + 10 D* --> 152Sm62 + 26Mg12 + 151.644 MeV [2.146 MeV]
(A_Gd:1199)
158Gd64 + 10 D* --> 154Sm62 + 24Mg12 + 147.056 MeV [-2.442 MeV]
(A_Gd:1200)
158Gd64 + 10 D* --> 156Gd64 + 22Ne10 + 141.227 MeV [-8.271 MeV]
(A_Gd:1201)
158Gd64 + 10 D* --> 157Gd64 + 21Ne10 + 137.223 MeV [-12.275 MeV]
(A_Gd:1202)
158Gd64 + 10 D* --> 158Gd64 + 20Ne10 + 138.399 MeV [-11.099 MeV]
(A_Gd:1203)
158Gd64 + 10 D* --> 159Tb65 + 19F9 + 131.687 MeV [-17.811 MeV]
(A_Gd:1204)
158Gd64 + 10 D* --> 160Dy66 + 18O8 + 131.120 MeV [-18.378 MeV]
(A_Gd:1205)
158Gd64 + 10 D* --> 161Dy66 + 17O8 + 129.530 MeV [-19.968 MeV]
(A_Gd:1206)
158Gd64 + 10 D* --> 162Dy66 + 16O8 + 133.584 MeV [-15.914 MeV]
(A_Gd:1207)
158Gd64 + 10 D* --> 166Er68 + 12C6 + 125.592 MeV [-23.906 MeV]
(A_Gd:1208)
158Gd64 + 10 D* --> 174Hf72 + 4He2 + 114.082 MeV [-35.416 MeV]
(A_Gd:1209)

158Gd64 + 11 D* --> 130Te52 + 50V23 + 210.369 MeV [44.288 MeV]
(A_Gd:1210)
158Gd64 + 11 D* --> 157Gd64 + 23Na11 + 154.157 MeV [-11.924 MeV]
(A_Gd:1211)
158Gd64 + 11 D* --> 159Tb65 + 21Ne10 + 149.067 MeV [-17.014 MeV]
(A_Gd:1212)
158Gd64 + 11 D* --> 161Dy66 + 19F9 + 143.345 MeV [-22.736 MeV]
(A_Gd:1213)
158Gd64 + 11 D* --> 166Er68 + 14N7 + 135.864 MeV [-30.216 MeV]
(A_Gd:1214)
158Gd64 + 11 D* --> 170Yb70 + 10B5 + 122.514 MeV [-43.566 MeV]
(A_Gd:1215)
158Gd64 + 11 D* --> 174Hf72 + 6Li3 + 115.556 MeV [-50.525 MeV]
(A_Gd:1216)

158Gd64 + 12 D* --> 96Zr40 + 86Kr36 + 255.640 MeV [72.688 MeV]
(A_Gd:1217)
158Gd64 + 12 D* --> 100Mo42 + 82Se34 + 250.710 MeV [67.758 MeV]
(A_Gd:1218)
158Gd64 + 12 D* --> 124Sn50 + 58Fe26 + 237.322 MeV [54.370 MeV]
(A_Gd:1219)
158Gd64 + 12 D* --> 128Te52 + 54Cr24 + 232.857 MeV [49.904 MeV]
(A_Gd:1220)
158Gd64 + 12 D* --> 130Te52 + 52Cr24 + 229.700 MeV [46.748 MeV]
(A_Gd:1221)
158Gd64 + 12 D* --> 132Xe54 + 50Ti22 + 227.639 MeV [44.687 MeV]
(A_Gd:1222)
158Gd64 + 12 D* --> 134Xe54 + 48Ti22 + 223.544 MeV [40.592 MeV]

(A_Gd:1223)
158Gd64 + 12 D* --> 136Xe54 + 46Ti22 + 217.480 MeV [34.528 MeV]
(A_Gd:1224)
158Gd64 + 12 D* --> 134Ba56 + 48Ca20 + 220.096 MeV [37.144 MeV]
(A_Gd:1225)
158Gd64 + 12 D* --> 136Ba56 + 46Ca20 + 218.954 MeV [36.002 MeV]
(A_Gd:1226)
158Gd64 + 12 D* --> 138Ba56 + 44Ca20 + 216.662 MeV [33.710 MeV]
(A_Gd:1227)
158Gd64 + 12 D* --> 142Ce58 + 40Ar18 + 206.510 MeV [23.558 MeV]
(A_Gd:1228)
158Gd64 + 12 D* --> 146Nd60 + 36S16 + 198.527 MeV [15.575 MeV]
(A_Gd:1229)
158Gd64 + 12 D* --> 148Nd60 + 34S16 + 194.277 MeV [11.325 MeV]
(A_Gd:1230)
158Gd64 + 12 D* --> 150Nd60 + 32S16 + 186.637 MeV [3.685 MeV]
(A_Gd:1231)
158Gd64 + 12 D* --> 152Sm62 + 30Si14 + 186.134 MeV [3.181 MeV]
(A_Gd:1232)
158Gd64 + 12 D* --> 154Sm62 + 28Si14 + 180.886 MeV [-2.066 MeV]
(A_Gd:1233)
158Gd64 + 12 D* --> 156Gd64 + 26Mg12 + 175.689 MeV [-7.264 MeV]
(A_Gd:1234)
158Gd64 + 12 D* --> 157Gd64 + 25Mg12 + 170.955 MeV [-11.997 MeV]
(A_Gd:1235)
158Gd64 + 12 D* --> 158Gd64 + 24Mg12 + 171.562 MeV [-11.390 MeV]
(A_Gd:1236)
158Gd64 + 12 D* --> 159Tb65 + 23Na11 + 166.001 MeV [-16.951 MeV]
(A_Gd:1237)
158Gd64 + 12 D* --> 160Dy66 + 22Ne10 + 164.635 MeV [-18.318 MeV]
(A_Gd:1238)
158Gd64 + 12 D* --> 161Dy66 + 21Ne10 + 160.725 MeV [-22.227 MeV]
(A_Gd:1239)
158Gd64 + 12 D* --> 162Dy66 + 20Ne10 + 162.161 MeV [-20.792 MeV]
(A_Gd:1240)
158Gd64 + 12 D* --> 164Er68 + 18O8 + 153.663 MeV [-29.289 MeV]
(A_Gd:1241)
158Gd64 + 12 D* --> 166Er68 + 16O8 + 156.601 MeV [-26.352 MeV]
(A_Gd:1242)
158Gd64 + 12 D* --> 170Yb70 + 12C6 + 147.701 MeV [-35.251 MeV]
(A_Gd:1243)

160Gd64 + 2 D* --> 160Gd64 + 4He2 + 23.847 MeV [-3.513 MeV]
(A_Gd:1244)
160Gd64 + 2 D* --> 164Dy66 + 24.296 MeV [-3.064 MeV]
(A_Gd:1245)

160Gd64 + 3 D* --> 160Gd64 + 6Li3 + 25.320 MeV [-16.183 MeV]
(A_Gd:1246)
160Gd64 + 3 D* --> 164Dy66 + 2H1 + 24.296 MeV [-17.207 MeV]
(A_Gd:1247)

160Gd64 + 4 D* --> 150Nd60 + 18O8 + 59.065 MeV [3.113 MeV]

(A_Gd:1248)
160Gd64 + 4 D* --> 164Dy66 + 4He2 + 48.143 MeV [-7.810 MeV]
(A_Gd:1249)
160Gd64 + 4 D* --> 168Er68 + 47.591 MeV [-8.361 MeV]
(A_Gd:1250)

160Gd64 + 5 D* --> 160Gd64 + 10B5 + 53.628 MeV [-17.077 MeV]
(A_Gd:1251)
160Gd64 + 5 D* --> 163Dy66 + 7Li3 + 49.208 MeV [-21.496 MeV]
(A_Gd:1252)
160Gd64 + 5 D* --> 164Dy66 + 6Li3 + 49.616 MeV [-21.088 MeV]
(A_Gd:1253)
160Gd64 + 5 D* --> 168Er68 + 2H1 + 47.591 MeV [-23.114 MeV]
(A_Gd:1254)

160Gd64 + 6 D* --> 124Sn50 + 48Ca20 + 143.317 MeV [57.558 MeV]
(A_Gd:1255)
160Gd64 + 6 D* --> 136Xe54 + 36S16 + 127.955 MeV [42.197 MeV]
(A_Gd:1256)
160Gd64 + 6 D* --> 150Nd60 + 22Ne10 + 92.580 MeV [6.822 MeV]
(A_Gd:1257)
160Gd64 + 6 D* --> 154Sm62 + 18O8 + 84.109 MeV [-1.650 MeV]
(A_Gd:1258)
160Gd64 + 6 D* --> 160Gd64 + 12C6 + 78.814 MeV [-6.944 MeV]
(A_Gd:1259)
160Gd64 + 6 D* --> 163Dy66 + 9Be4 + 65.905 MeV [-19.854 MeV]
(A_Gd:1260)
160Gd64 + 6 D* --> 165Ho67 + 7Li3 + 60.862 MeV [-24.896 MeV]
(A_Gd:1261)
160Gd64 + 6 D* --> 168Er68 + 4He2 + 71.438 MeV [-14.321 MeV]
(A_Gd:1262)
160Gd64 + 6 D* --> 172Yb70 + 70.126 MeV [-15.632 MeV]
(A_Gd:1263)

160Gd64 + 7 D* --> 160Gd64 + 14N7 + 89.087 MeV [-12.024 MeV]
(A_Gd:1264)
160Gd64 + 7 D* --> 163Dy66 + 11B5 + 81.720 MeV [-19.391 MeV]
(A_Gd:1265)
160Gd64 + 7 D* --> 164Dy66 + 10B5 + 77.924 MeV [-23.187 MeV]
(A_Gd:1266)
160Gd64 + 7 D* --> 165Ho67 + 9Be4 + 77.558 MeV [-23.553 MeV]
(A_Gd:1267)
160Gd64 + 7 D* --> 167Er68 + 7Li3 + 72.390 MeV [-28.721 MeV]
(A_Gd:1268)
160Gd64 + 7 D* --> 168Er68 + 6Li3 + 72.911 MeV [-28.200 MeV]
(A_Gd:1269)
160Gd64 + 7 D* --> 172Yb70 + 2H1 + 70.126 MeV [-30.985 MeV]
(A_Gd:1270)
160Gd64 + 7 D* --> 173Yb70 + 1H1 + 74.269 MeV [-26.842 MeV]
(A_Gd:1271)

160Gd64 + 8 D* --> 128Te52 + 48Ca20 + 170.343 MeV [53.583 MeV]
(A_Gd:1272)
160Gd64 + 8 D* --> 130Te52 + 46Ca20 + 167.624 MeV [50.863 MeV]

(A_Gd:1273)
160Gd64 + 8 D* --> 136Xe54 + 40Ar18 + 158.602 MeV [41.842 MeV]
(A_Gd:1274)
160Gd64 + 8 D* --> 150Nd60 + 26Mg12 + 127.041 MeV [10.281 MeV]
(A_Gd:1275)
160Gd64 + 8 D* --> 154Sm62 + 22Ne10 + 117.623 MeV [00.863 MeV]
(A_Gd:1276)
160Gd64 + 8 D* --> 158Gd64 + 18O8 + 108.615 MeV [-8.145 MeV]
(A_Gd:1277)
160Gd64 + 8 D* --> 160Gd64 + 16O8 + 109.823 MeV [-6.938 MeV]
(A_Gd:1278)
160Gd64 + 8 D* --> 163Dy66 + 13C6 + 100.399 MeV [-16.362 MeV]
(A_Gd:1279)
160Gd64 + 8 D* --> 164Dy66 + 12C6 + 103.110 MeV [-13.650 MeV]
(A_Gd:1280)
160Gd64 + 8 D* --> 165Ho67 + 11B5 + 93.374 MeV [-23.387 MeV]
(A_Gd:1281)
160Gd64 + 8 D* --> 167Er68 + 9Be4 + 89.086 MeV [-27.674 MeV]
(A_Gd:1282)
160Gd64 + 8 D* --> 169Tm69 + 7Li3 + 83.509 MeV [-33.252 MeV]
(A_Gd:1283)
160Gd64 + 8 D* --> 172Yb70 + 4He2 + 93.973 MeV [-22.788 MeV]
(A_Gd:1284)
160Gd64 + 8 D* --> 173Yb70 + 3He2 + 79.762 MeV [-36.998 MeV]
(A_Gd:1285)
160Gd64 + 8 D* --> 175Lu71 + 1H1 + 85.019 MeV [-31.742 MeV]
(A_Gd:1286)
160Gd64 + 8 D* --> 176Hf72 + 91.715 MeV [-25.046 MeV]
(A_Gd:1287)

160Gd64 + 9 D* --> 163Dy66 + 15N7 + 116.558 MeV [-16.147 MeV]
(A_Gd:1288)
160Gd64 + 9 D* --> 164Dy66 + 14N7 + 113.383 MeV [-19.322 MeV]
(A_Gd:1289)
160Gd64 + 9 D* --> 165Ho67 + 13C6 + 112.052 MeV [-20.653 MeV]
(A_Gd:1290)
160Gd64 + 9 D* --> 167Er68 + 11B5 + 104.902 MeV [-27.803 MeV]
(A_Gd:1291)
160Gd64 + 9 D* --> 168Er68 + 10B5 + 101.219 MeV [-31.486 MeV]
(A_Gd:1292)
160Gd64 + 9 D* --> 169Tm69 + 9Be4 + 100.205 MeV [-32.500 MeV]
(A_Gd:1293)
160Gd64 + 9 D* --> 171Yb70 + 7Li3 + 94.677 MeV [-38.028 MeV]
(A_Gd:1294)
160Gd64 + 9 D* --> 172Yb70 + 6Li3 + 95.446 MeV [-37.259 MeV]
(A_Gd:1295)
160Gd64 + 9 D* --> 175Lu71 + 3He2 + 90.512 MeV [-42.193 MeV]
(A_Gd:1296)
160Gd64 + 9 D* --> 176Hf72 + 2H1 + 91.715 MeV [-40.990 MeV]
(A_Gd:1297)
160Gd64 + 9 D* --> 177Hf72 + 1H1 + 95.874 MeV [-36.832 MeV]
(A_Gd:1298)

160Gd64 + 10 D* --> 130Te52 + 50Ti22 + 202.187 MeV [53.244 MeV]

(A_Gd:1299)
160Gd64 + 10 D* --> 132Xe54 + 48Ca20 + 196.903 MeV [47.961 MeV]
(A_Gd:1300)
160Gd64 + 10 D* --> 134Xe54 + 46Ca20 + 194.668 MeV [45.726 MeV]
(A_Gd:1301)
160Gd64 + 10 D* --> 136Xe54 + 44Ca20 + 191.302 MeV [42.360 MeV]
(A_Gd:1302)
160Gd64 + 10 D* --> 150Nd60 + 30Si14 + 161.531 MeV [12.589 MeV]
(A_Gd:1303)
160Gd64 + 10 D* --> 154Sm62 + 26Mg12 + 152.085 MeV [3.143 MeV]
(A_Gd:1304)
160Gd64 + 10 D* --> 158Gd64 + 22Ne10 + 142.130 MeV [-6.812 MeV]
(A_Gd:1305)
160Gd64 + 10 D* --> 160Gd64 + 20Ne10 + 138.399 MeV [-10.543 MeV]
(A_Gd:1306)
160Gd64 + 10 D* --> 162Dy66 + 18O8 + 132.377 MeV [-16.565 MeV]
(A_Gd:1307)
160Gd64 + 10 D* --> 163Dy66 + 17O8 + 130.604 MeV [-18.338 MeV]
(A_Gd:1308)
160Gd64 + 10 D* --> 164Dy66 + 16O8 + 134.119 MeV [-14.823 MeV]
(A_Gd:1309)
160Gd64 + 10 D* --> 165Ho67 + 15N7 + 128.212 MeV [-20.730 MeV]
(A_Gd:1310)
160Gd64 + 10 D* --> 167Er68 + 13C6 + 123.580 MeV [-25.362 MeV]
(A_Gd:1311)
160Gd64 + 10 D* --> 168Er68 + 12C6 + 126.405 MeV [-22.537 MeV]
(A_Gd:1312)
160Gd64 + 10 D* --> 169Tm69 + 11B5 + 116.021 MeV [-32.922 MeV]
(A_Gd:1313)
160Gd64 + 10 D* --> 171Yb70 + 9Be4 + 111.373 MeV [-37.569 MeV]
(A_Gd:1314)
160Gd64 + 10 D* --> 176Hf72 + 4He2 + 115.561 MeV [-33.381 MeV]
(A_Gd:1315)
160Gd64 + 10 D* --> 177Hf72 + 3He2 + 101.367 MeV [-47.575 MeV]
(A_Gd:1316)
160Gd64 + 10 D* --> 180W74 + 113.053 MeV [-35.889 MeV]
(A_Gd:1317)

160Gd64 + 11 D* --> 163Dy66 + 19F9 + 144.418 MeV [-21.052 MeV]
(A_Gd:1318)
160Gd64 + 11 D* --> 165Ho67 + 17O8 + 142.258 MeV [-23.212 MeV]
(A_Gd:1319)
160Gd64 + 11 D* --> 167Er68 + 15N7 + 139.740 MeV [-25.731 MeV]
(A_Gd:1320)
160Gd64 + 11 D* --> 168Er68 + 14N7 + 136.678 MeV [-28.793 MeV]
(A_Gd:1321)
160Gd64 + 11 D* --> 169Tm69 + 13C6 + 134.699 MeV [-30.771 MeV]
(A_Gd:1322)
160Gd64 + 11 D* --> 171Yb70 + 11B5 + 127.189 MeV [-38.282 MeV]
(A_Gd:1323)
160Gd64 + 11 D* --> 172Yb70 + 10B5 + 123.754 MeV [-41.716 MeV]
(A_Gd:1324)
160Gd64 + 11 D* --> 176Hf72 + 6Li3 + 117.035 MeV [-48.435 MeV]
(A_Gd:1325)

160Gd64 + 11 D* --> 180W74 + 2H1 + 113.053 MeV [-52.417 MeV]
(A_Gd:1326)

160Gd64 + 12 D* --> 130Te52 + 54Cr24 + 233.964 MeV [51.677 MeV]
(A_Gd:1327)
160Gd64 + 12 D* --> 134Xe54 + 50Ti22 + 229.231 MeV [46.944 MeV]
(A_Gd:1328)
160Gd64 + 12 D* --> 136Xe54 + 48Ti22 + 224.593 MeV [42.306 MeV]
(A_Gd:1329)
160Gd64 + 12 D* --> 136Ba56 + 48Ca20 + 222.781 MeV [40.494 MeV]
(A_Gd:1330)
160Gd64 + 12 D* --> 138Ba56 + 46Ca20 + 221.077 MeV [38.790 MeV]
(A_Gd:1331)
160Gd64 + 12 D* --> 148Nd60 + 36S16 + 197.758 MeV [15.471 MeV]
(A_Gd:1332)
160Gd64 + 12 D* --> 150Nd60 + 34S16 + 193.301 MeV [11.014 MeV]
(A_Gd:1333)
160Gd64 + 12 D* --> 154Sm62 + 30Si14 + 186.575 MeV [4.288 MeV]
(A_Gd:1334)
160Gd64 + 12 D* --> 158Gd64 + 26Mg12 + 176.591 MeV [-5.696 MeV]
(A_Gd:1335)
160Gd64 + 12 D* --> 160Gd64 + 24Mg12 + 171.562 MeV [-10.725 MeV]
(A_Gd:1336)
160Gd64 + 12 D* --> 162Dy66 + 22Ne10 + 165.892 MeV [-16.395 MeV]
(A_Gd:1337)
160Gd64 + 12 D* --> 163Dy66 + 21Ne10 + 161.798 MeV [-20.489 MeV]
(A_Gd:1338)
160Gd64 + 12 D* --> 164Dy66 + 20Ne10 + 162.695 MeV [-19.592 MeV]
(A_Gd:1339)
160Gd64 + 12 D* --> 165Ho67 + 19F9 + 156.072 MeV [-26.215 MeV]
(A_Gd:1340)
160Gd64 + 12 D* --> 166Er68 + 18O8 + 155.393 MeV [-26.894 MeV]
(A_Gd:1341)
160Gd64 + 12 D* --> 167Er68 + 17O8 + 153.786 MeV [-28.501 MeV]
(A_Gd:1342)
160Gd64 + 12 D* --> 168Er68 + 16O8 + 157.414 MeV [-24.873 MeV]
(A_Gd:1343)
160Gd64 + 12 D* --> 169Tm69 + 15N7 + 150.859 MeV [-31.428 MeV]
(A_Gd:1344)
160Gd64 + 12 D* --> 171Yb70 + 13C6 + 145.867 MeV [-36.420 MeV]
(A_Gd:1345)
160Gd64 + 12 D* --> 172Yb70 + 12C6 + 148.940 MeV [-33.347 MeV]
(A_Gd:1346)
160Gd64 + 12 D* --> 180W74 + 4He2 + 136.900 MeV [-45.387 MeV]
(A_Gd:1347)
160Gd64 + 12 D* --> 184Os76 + 133.936 MeV [-48.351 MeV]
(A_Gd:1348)

---------- Equations follow for Terbium, Tb, element 65 ----------

159Tb65 + D* --> 136Xe54 + 25Mg12 + 43.215 MeV [29.450 MeV] (A_Tb:1)
159Tb65 + D* --> 148Nd60 + 13C6 + 17.885 MeV [4.121 MeV] (A_Tb:2)
159Tb65 + D* --> 152Sm62 + 9Be4 + 7.018 MeV [-6.747 MeV] (A_Tb:3)
159Tb65 + D* --> 157Gd64 + 4He2 + 12.002 MeV [-1.762 MeV] (A_Tb:4)

159Tb65 + D* --> 161Dy66 + 11.658 MeV [-2.107 MeV] (A_Tb:5)

159Tb65 + 2 D* --> 136Xe54 + 27Al13 + 60.354 MeV [32.517 MeV] (A_Tb:6)
159Tb65 + 2 D* --> 148Nd60 + 15N7 + 34.044 MeV [6.207 MeV] (A_Tb:7)
159Tb65 + 2 D* --> 152Sm62 + 11B5 + 22.833 MeV [-5.004 MeV] (A_Tb:8)
159Tb65 + 2 D* --> 156Gd64 + 7Li3 + 14.366 MeV [-13.471 MeV] (A_Tb:9)
159Tb65 + 2 D* --> 157Gd64 + 6Li3 + 13.476 MeV [-14.361 MeV] (A_Tb:10)
159Tb65 + 2 D* --> 159Tb65 + 4He2 + 23.847 MeV [-3.991 MeV] (A_Tb:11)
159Tb65 + 2 D* --> 161Dy66 + 2H1 + 11.658 MeV [-16.180 MeV] (A_Tb:12)
159Tb65 + 2 D* --> 162Dy66 + 1H1 + 17.630 MeV [-10.207 MeV] (A_Tb:13)

159Tb65 + 3 D* --> 136Xe54 + 29Si14 + 78.188 MeV [35.971 MeV] (A_Tb:14)
159Tb65 + 3 D* --> 148Nd60 + 17O8 + 48.090 MeV [5.873 MeV] (A_Tb:15)
159Tb65 + 3 D* --> 152Sm62 + 13C6 + 41.512 MeV [-0.705 MeV] (A_Tb:16)
159Tb65 + 3 D* --> 156Gd64 + 9Be4 + 31.063 MeV [-11.154 MeV] (A_Tb:17)
159Tb65 + 3 D* --> 159Tb65 + 6Li3 + 25.320 MeV [-16.897 MeV] (A_Tb:18)
159Tb65 + 3 D* --> 161Dy66 + 4He2 + 35.504 MeV [-6.713 MeV] (A_Tb:19)
159Tb65 + 3 D* --> 162Dy66 + 3He2 + 23.124 MeV [-19.093 MeV] (A_Tb:20)

159Tb65 + 4 D* --> 130Te52 + 37Cl17 + 102.117 MeV [45.216 MeV] (A_Tb:21)
159Tb65 + 4 D* --> 136Xe54 + 31P15 + 93.870 MeV [36.969 MeV] (A_Tb:22)
159Tb65 + 4 D* --> 148Nd60 + 19F9 + 61.905 MeV [5.004 MeV] (A_Tb:23)
159Tb65 + 4 D* --> 152Sm62 + 15N7 + 57.671 MeV [00.771 MeV] (A_Tb:24)
159Tb65 + 4 D* --> 156Gd64 + 11B5 + 46.878 MeV [-10.022 MeV] (A_Tb:25)
159Tb65 + 4 D* --> 157Gd64 + 10B5 + 41.784 MeV [-15.117 MeV] (A_Tb:26)
159Tb65 + 4 D* --> 160Dy66 + 7Li3 + 37.774 MeV [-19.127 MeV] (A_Tb:27)
159Tb65 + 4 D* --> 161Dy66 + 6Li3 + 36.978 MeV [-19.922 MeV] (A_Tb:28)
159Tb65 + 4 D* --> 166Er68 + 1H1 + 40.646 MeV [-16.254 MeV] (A_Tb:29)

159Tb65 + 5 D* --> 136Xe54 + 33S16 + 109.151 MeV [37.265 MeV] (A_Tb:30)
159Tb65 + 5 D* --> 148Nd60 + 21Ne10 + 79.285 MeV [7.399 MeV] (A_Tb:31)
159Tb65 + 5 D* --> 152Sm62 + 17O8 + 71.717 MeV [-0.169 MeV] (A_Tb:32)
159Tb65 + 5 D* --> 156Gd64 + 13C6 + 65.557 MeV [-6.329 MeV] (A_Tb:33)
159Tb65 + 5 D* --> 157Gd64 + 12C6 + 66.970 MeV [-4.915 MeV] (A_Tb:34)
159Tb65 + 5 D* --> 159Tb65 + 10B5 + 53.628 MeV [-18.258 MeV] (A_Tb:35)
159Tb65 + 5 D* --> 160Dy66 + 9Be4 + 54.470 MeV [-17.416 MeV] (A_Tb:36)
159Tb65 + 5 D* --> 166Er68 + 3He2 + 46.140 MeV [-25.746 MeV] (A_Tb:37)

159Tb65 + 6 D* --> 123Sb51 + 48Ca20 + 142.714 MeV [55.543 MeV] (A_Tb:38)
159Tb65 + 6 D* --> 130Te52 + 41K19 + 132.186 MeV [45.015 MeV] (A_Tb:39)
159Tb65 + 6 D* --> 134Xe54 + 37Cl17 + 129.161 MeV [41.991 MeV] (A_Tb:40)
159Tb65 + 6 D* --> 136Xe54 + 35Cl17 + 124.714 MeV [37.543 MeV] (A_Tb:41)
159Tb65 + 6 D* --> 148Nd60 + 23Na11 + 96.219 MeV [9.048 MeV] (A_Tb:42)
159Tb65 + 6 D* --> 152Sm62 + 19F9 + 85.531 MeV [-1.639 MeV] (A_Tb:43)
159Tb65 + 6 D* --> 153Eu63 + 18O8 + 83.430 MeV [-3.740 MeV] (A_Tb:44)
159Tb65 + 6 D* --> 156Gd64 + 15N7 + 81.716 MeV [-5.454 MeV] (A_Tb:45)
159Tb65 + 6 D* --> 157Gd64 + 14N7 + 77.243 MeV [-9.928 MeV] (A_Tb:46)
159Tb65 + 6 D* --> 159Tb65 + 12C6 + 78.814 MeV [-8.356 MeV] (A_Tb:47)
159Tb65 + 6 D* --> 160Dy66 + 11B5 + 70.285 MeV [-16.885 MeV] (A_Tb:48)
159Tb65 + 6 D* --> 161Dy66 + 10B5 + 65.286 MeV [-21.885 MeV] (A_Tb:49)
159Tb65 + 6 D* --> 164Er68 + 7Li3 + 60.317 MeV [-26.854 MeV] (A_Tb:50)
159Tb65 + 6 D* --> 170Yb70 + 1H1 + 62.755 MeV [-24.415 MeV] (A_Tb:51)

159Tb65 + 7 D* --> 124Sn50 + 49Ti22 + 159.207 MeV [56.454 MeV] (A_Tb:52)

159Tb65 + 7 D* --> 125Te52 + 48Ca20 + 155.647 MeV [52.895 MeV] (A_Tb:53)
159Tb65 + 7 D* --> 130Te52 + 43Ca20 + 148.171 MeV [45.418 MeV] (A_Tb:54)
159Tb65 + 7 D* --> 137Ba56 + 36S16 + 140.796 MeV [38.044 MeV] (A_Tb:55)
159Tb65 + 7 D* --> 148Nd60 + 25Mg12 + 113.017 MeV [10.264 MeV] (A_Tb:56)
159Tb65 + 7 D* --> 152Sm62 + 21Ne10 + 102.912 MeV [00.159 MeV] (A_Tb:57)
159Tb65 + 7 D* --> 155Gd64 + 18O8 + 95.270 MeV [-7.483 MeV] (A_Tb:58)
159Tb65 + 7 D* --> 156Gd64 + 17O8 + 95.762 MeV [-6.991 MeV] (A_Tb:59)
159Tb65 + 7 D* --> 157Gd64 + 16O8 + 97.979 MeV [-4.774 MeV] (A_Tb:60)
159Tb65 + 7 D* --> 159Tb65 + 14N7 + 89.087 MeV [-13.666 MeV] (A_Tb:61)
159Tb65 + 7 D* --> 160Dy66 + 13C6 + 88.964 MeV [-13.789 MeV] (A_Tb:62)
159Tb65 + 7 D* --> 161Dy66 + 12C6 + 90.472 MeV [-12.281 MeV] (A_Tb:63)
159Tb65 + 7 D* --> 164Er68 + 9Be4 + 77.013 MeV [-25.740 MeV] (A_Tb:64)
159Tb65 + 7 D* --> 170Yb70 + 3He2 + 68.249 MeV [-34.504 MeV] (A_Tb:65)

159Tb65 + 8 D* --> 124Sn50 + 51V23 + 175.985 MeV [57.355 MeV] (A_Tb:66)
159Tb65 + 8 D* --> 130Te52 + 45Sc21 + 163.966 MeV [45.336 MeV] (A_Tb:67)
159Tb65 + 8 D* --> 127I53 + 48Ca20 + 168.744 MeV [50.114 MeV] (A_Tb:68)
159Tb65 + 8 D* --> 134Xe54 + 41K19 + 159.230 MeV [40.600 MeV] (A_Tb:69)
159Tb65 + 8 D* --> 136Xe54 + 39K19 + 155.779 MeV [37.149 MeV] (A_Tb:70)
159Tb65 + 8 D* --> 138Ba56 + 37Cl17 + 155.570 MeV [36.940 MeV] (A_Tb:71)
159Tb65 + 8 D* --> 139La57 + 36S16 + 153.442 MeV [34.812 MeV] (A_Tb:72)
159Tb65 + 8 D* --> 148Nd60 + 27Al13 + 130.157 MeV [11.526 MeV] (A_Tb:73)
159Tb65 + 8 D* --> 152Sm62 + 23Na11 + 119.845 MeV [1.215 MeV] (A_Tb:74)
159Tb65 + 8 D* --> 153Eu63 + 22Ne10 + 116.945 MeV [-1.685 MeV] (A_Tb:75)
159Tb65 + 8 D* --> 156Gd64 + 19F9 + 109.576 MeV [-9.054 MeV] (A_Tb:76)
159Tb65 + 8 D* --> 159Tb65 + 16O8 + 109.823 MeV [-8.808 MeV] (A_Tb:77)
159Tb65 + 8 D* --> 160Dy66 + 15N7 + 105.123 MeV [-13.507 MeV] (A_Tb:78)
159Tb65 + 8 D* --> 161Dy66 + 14N7 + 100.744 MeV [-17.886 MeV] (A_Tb:79)
159Tb65 + 8 D* --> 164Er68 + 11B5 + 92.828 MeV [-25.802 MeV] (A_Tb:80)
159Tb65 + 8 D* --> 168Yb70 + 7Li3 + 82.213 MeV [-36.417 MeV] (A_Tb:81)
159Tb65 + 8 D* --> 174Hf72 + 1H1 + 84.104 MeV [-34.526 MeV] (A_Tb:82)

159Tb65 + 9 D* --> 124Sn50 + 53Cr24 + 192.204 MeV [57.403 MeV] (A_Tb:83)
159Tb65 + 9 D* --> 128Te52 + 49Ti22 + 186.233 MeV [51.432 MeV] (A_Tb:84)
159Tb65 + 9 D* --> 130Te52 + 47Ti22 + 180.966 MeV [46.165 MeV] (A_Tb:85)
159Tb65 + 9 D* --> 129Xe54 + 48Ca20 + 181.594 MeV [46.793 MeV] (A_Tb:86)
159Tb65 + 9 D* --> 131Xe54 + 46Ca20 + 180.233 MeV [45.432 MeV] (A_Tb:87)
159Tb65 + 9 D* --> 134Xe54 + 43Ca20 + 175.216 MeV [40.414 MeV] (A_Tb:88)
159Tb65 + 9 D* --> 137Ba56 + 40Ar18 + 171.444 MeV [36.642 MeV] (A_Tb:89)
159Tb65 + 9 D* --> 148Nd60 + 29Si14 + 147.991 MeV [13.190 MeV] (A_Tb:90)
159Tb65 + 9 D* --> 152Sm62 + 25Mg12 + 136.644 MeV [1.843 MeV] (A_Tb:91)
159Tb65 + 9 D* --> 155Gd64 + 22Ne10 + 128.784 MeV [-6.017 MeV] (A_Tb:92)
159Tb65 + 9 D* --> 156Gd64 + 21Ne10 + 126.956 MeV [-7.845 MeV] (A_Tb:93)
159Tb65 + 9 D* --> 157Gd64 + 20Ne10 + 126.555 MeV [-8.246 MeV] (A_Tb:94)
159Tb65 + 9 D* --> 160Dy66 + 17O8 + 119.169 MeV [-15.632 MeV] (A_Tb:95)
159Tb65 + 9 D* --> 161Dy66 + 16O8 + 121.481 MeV [-13.321 MeV] (A_Tb:96)
159Tb65 + 9 D* --> 164Er68 + 13C6 + 111.507 MeV [-23.294 MeV] (A_Tb:97)
159Tb65 + 9 D* --> 168Yb70 + 9Be4 + 98.909 MeV [-35.892 MeV] (A_Tb:98)
159Tb65 + 9 D* --> 174Hf72 + 3He2 + 89.598 MeV [-45.203 MeV] (A_Tb:99)

159Tb65 + 10 D* --> 124Sn50 + 55Mn25 + 207.766 MeV [56.502 MeV] (A_Tb:100)
159Tb65 + 10 D* --> 128Te52 + 51V23 + 203.012 MeV [51.748 MeV] (A_Tb:101)
159Tb65 + 10 D* --> 134Xe54 + 45Sc21 + 191.010 MeV [39.747 MeV] (A_Tb:102)
159Tb65 + 10 D* --> 133Cs55 + 46Ca20 + 193.024 MeV [41.761 MeV] (A_Tb:103)

159Tb65 + 10 D* --> 138Ba56 + 41K19 + 185.639 MeV [34.376 MeV] (A_Tb:104)
159Tb65 + 10 D* --> 139La57 + 40Ar18 + 184.089 MeV [32.826 MeV] (A_Tb:105)
159Tb65 + 10 D* --> 142Ce58 + 37Cl17 + 178.118 MeV [26.855 MeV] (A_Tb:106)
159Tb65 + 10 D* --> 148Nd60 + 31P15 + 163.672 MeV [12.409 MeV] (A_Tb:107)
159Tb65 + 10 D* --> 152Sm62 + 27Al13 + 153.784 MeV [2.520 MeV] (A_Tb:108)
159Tb65 + 10 D* --> 153Eu63 + 26Mg12 + 151.406 MeV [00.143 MeV] (A_Tb:109)
159Tb65 + 10 D* --> 156Gd64 + 23Na11 + 143.890 MeV [-7.373 MeV] (A_Tb:110)
159Tb65 + 10 D* --> 159Tb65 + 20Ne10 + 138.399 MeV [-12.864 MeV] (A_Tb:111)
159Tb65 + 10 D* --> 160Dy66 + 19F9 + 132.984 MeV [-18.280 MeV] (A_Tb:112)
159Tb65 + 10 D* --> 164Er68 + 15N7 + 127.666 MeV [-23.597 MeV] (A_Tb:113)
159Tb65 + 10 D* --> 168Yb70 + 11B5 + 114.725 MeV [-36.538 MeV] (A_Tb:114)

159Tb65 + 11 D* --> 124Sn50 + 57Fe26 + 223.371 MeV [55.356 MeV] (A_Tb:115)
159Tb65 + 11 D* --> 128Te52 + 53Cr24 + 219.231 MeV [51.216 MeV] (A_Tb:116)
159Tb65 + 11 D* --> 131Xe54 + 50Ti22 + 214.796 MeV [46.781 MeV] (A_Tb:117)
159Tb65 + 11 D* --> 132Xe54 + 49Ti22 + 212.793 MeV [44.779 MeV] (A_Tb:118)
159Tb65 + 11 D* --> 134Xe54 + 47Ti22 + 208.011 MeV [39.996 MeV] (A_Tb:119)
159Tb65 + 11 D* --> 135Ba56 + 46Ca20 + 205.939 MeV [37.925 MeV] (A_Tb:120)
159Tb65 + 11 D* --> 137Ba56 + 44Ca20 + 204.144 MeV [36.129 MeV] (A_Tb:121)
159Tb65 + 11 D* --> 138Ba56 + 43Ca20 + 201.624 MeV [33.610 MeV] (A_Tb:122)
159Tb65 + 11 D* --> 145Nd60 + 36S16 + 187.055 MeV [19.041 MeV] (A_Tb:123)
159Tb65 + 11 D* --> 148Nd60 + 33S16 + 178.953 MeV [10.939 MeV] (A_Tb:124)
159Tb65 + 11 D* --> 152Sm62 + 29Si14 + 171.618 MeV [3.603 MeV] (A_Tb:125)
159Tb65 + 11 D* --> 155Gd64 + 26Mg12 + 163.246 MeV [-4.769 MeV] (A_Tb:126)
159Tb65 + 11 D* --> 156Gd64 + 25Mg12 + 160.689 MeV [-7.326 MeV] (A_Tb:127)
159Tb65 + 11 D* --> 157Gd64 + 24Mg12 + 159.718 MeV [-8.296 MeV] (A_Tb:128)
159Tb65 + 11 D* --> 160Dy66 + 21Ne10 + 150.364 MeV [-17.651 MeV] (A_Tb:129)
159Tb65 + 11 D* --> 161Dy66 + 20Ne10 + 150.057 MeV [-17.958 MeV] (A_Tb:130)
159Tb65 + 11 D* --> 164Er68 + 17O8 + 141.712 MeV [-26.302 MeV] (A_Tb:131)
159Tb65 + 11 D* --> 168Yb70 + 13C6 + 133.404 MeV [-34.611 MeV] (A_Tb:132)

159Tb65 + 12 D* --> 96Zr40 + 87Rb37 + 258.130 MeV [73.077 MeV] (A_Tb:133)
159Tb65 + 12 D* --> 124Sn50 + 59Co27 + 238.555 MeV [53.501 MeV] (A_Tb:134)
159Tb65 + 12 D* --> 128Te52 + 55Mn25 + 234.792 MeV [49.739 MeV] (A_Tb:135)
159Tb65 + 12 D* --> 132Xe54 + 51V23 + 229.571 MeV [44.518 MeV] (A_Tb:136)
159Tb65 + 12 D* --> 133Cs55 + 50Ti22 + 227.587 MeV [42.534 MeV] (A_Tb:137)
159Tb65 + 12 D* --> 138Ba56 + 45Sc21 + 217.419 MeV [32.366 MeV] (A_Tb:138)
159Tb65 + 12 D* --> 139La57 + 44Ca20 + 216.789 MeV [31.736 MeV] (A_Tb:139)
159Tb65 + 12 D* --> 142Ce58 + 41K19 + 208.187 MeV [23.134 MeV] (A_Tb:140)
159Tb65 + 12 D* --> 146Nd60 + 37Cl17 + 200.782 MeV [15.729 MeV] (A_Tb:141)
159Tb65 + 12 D* --> 148Nd60 + 35Cl17 + 194.517 MeV [9.463 MeV] (A_Tb:142)
159Tb65 + 12 D* --> 152Sm62 + 31P15 + 187.299 MeV [2.246 MeV] (A_Tb:143)
159Tb65 + 12 D* --> 153Eu63 + 30Si14 + 185.896 MeV [00.843 MeV] (A_Tb:144)
159Tb65 + 12 D* --> 156Gd64 + 27Al13 + 177.828 MeV [-7.225 MeV] (A_Tb:145)
159Tb65 + 12 D* --> 159Tb65 + 24Mg12 + 171.562 MeV [-13.491 MeV] (A_Tb:146)
159Tb65 + 12 D* --> 160Dy66 + 23Na11 + 167.298 MeV [-17.756 MeV] (A_Tb:147)
159Tb65 + 12 D* --> 164Er68 + 19F9 + 155.527 MeV [-29.527 MeV] (A_Tb:148)
159Tb65 + 12 D* --> 168Yb70 + 15N7 + 149.563 MeV [-35.491 MeV] (A_Tb:149)

---------- Equations follow for Dysprosium, Dy, element 66 ----------

156Dy66 + D* --> 131Xe54 + 27Al13 + 48.218 MeV [34.154 MeV] (A_Dy:1)
156Dy66 + D* --> 133Cs55 + 25Mg12 + 43.870 MeV [29.806 MeV] (A_Dy:2)
156Dy66 + D* --> 135Ba56 + 23Na11 + 39.986 MeV [25.922 MeV] (A_Dy:3)

Report A - Energetically Feasible Aneutronic X + n D* --> Y + Z Reactions, n = 1 to 12
Creating Stable Isotopes Y and Z With No Weak Reactions

156Dy66 + D* --> 138La57 + 20Ne10 + 36.173 MeV [22.108 MeV] (A_Dy:4)
156Dy66 + D* --> 141Pr59 + 17O8 + 29.436 MeV [15.372 MeV] (A_Dy:5)
156Dy66 + D* --> 143Nd60 + 15N7 + 26.512 MeV [12.448 MeV] (A_Dy:6)
156Dy66 + D* --> 144Nd60 + 14N7 + 23.496 MeV [9.432 MeV] (A_Dy:7)
156Dy66 + D* --> 147Sm62 + 11B5 + 13.210 MeV [-0.854 MeV] (A_Dy:8)
156Dy66 + D* --> 148Sm62 + 10B5 + 9.897 MeV [-4.167 MeV] (A_Dy:9)
156Dy66 + D* --> 152Gd64 + 6Li3 + 3.233 MeV [-10.831 MeV] (A_Dy:10)

156Dy66 + 2 D* --> 80Se34 + 80Se34 + 111.261 MeV [82.827 MeV] (A_Dy:11)
156Dy66 + 2 D* --> 82Se34 + 78Se34 + 110.362 MeV [81.927 MeV] (A_Dy:12)
156Dy66 + 2 D* --> 84Kr36 + 76Ge32 + 111.386 MeV [82.951 MeV] (A_Dy:13)
156Dy66 + 2 D* --> 86Kr36 + 74Ge32 + 112.430 MeV [83.995 MeV] (A_Dy:14)
156Dy66 + 2 D* --> 96Zr40 + 64Ni28 + 108.284 MeV [79.849 MeV] (A_Dy:15)
156Dy66 + 2 D* --> 110Pd46 + 50Ti22 + 95.517 MeV [67.083 MeV] (A_Dy:16)
156Dy66 + 2 D* --> 112Cd48 + 48Ca20 + 90.536 MeV [62.101 MeV] (A_Dy:17)
156Dy66 + 2 D* --> 114Cd48 + 46Ca20 + 88.898 MeV [60.463 MeV] (A_Dy:18)
156Dy66 + 2 D* --> 116Cd48 + 44Ca20 + 85.929 MeV [57.495 MeV] (A_Dy:19)
156Dy66 + 2 D* --> 120Sn50 + 40Ar18 + 81.887 MeV [53.452 MeV] (A_Dy:20)
156Dy66 + 2 D* --> 122Sn50 + 38Ar18 + 80.402 MeV [51.967 MeV] (A_Dy:21)
156Dy66 + 2 D* --> 124Sn50 + 36Ar18 + 74.210 MeV [45.775 MeV] (A_Dy:22)
156Dy66 + 2 D* --> 123Sb51 + 37Cl17 + 76.727 MeV [48.292 MeV] (A_Dy:23)
156Dy66 + 2 D* --> 124Te52 + 36S16 + 76.930 MeV [48.495 MeV] (A_Dy:24)
156Dy66 + 2 D* --> 126Te52 + 34S16 + 75.738 MeV [47.303 MeV] (A_Dy:25)
156Dy66 + 2 D* --> 128Te52 + 32S16 + 70.749 MeV [42.315 MeV] (A_Dy:26)
156Dy66 + 2 D* --> 130Xe54 + 30Si14 + 70.056 MeV [41.621 MeV] (A_Dy:27)
156Dy66 + 2 D* --> 131Xe54 + 29Si14 + 66.052 MeV [37.617 MeV] (A_Dy:28)
156Dy66 + 2 D* --> 132Xe54 + 28Si14 + 66.515 MeV [38.080 MeV] (A_Dy:29)
156Dy66 + 2 D* --> 133Cs55 + 27Al13 + 61.009 MeV [32.574 MeV] (A_Dy:30)
156Dy66 + 2 D* --> 134Ba56 + 26Mg12 + 60.906 MeV [32.471 MeV] (A_Dy:31)
156Dy66 + 2 D* --> 135Ba56 + 25Mg12 + 56.785 MeV [28.350 MeV] (A_Dy:32)
156Dy66 + 2 D* --> 136Ba56 + 24Mg12 + 58.562 MeV [30.127 MeV] (A_Dy:33)
156Dy66 + 2 D* --> 138Ce58 + 22Ne10 + 51.335 MeV [22.900 MeV] (A_Dy:34)
156Dy66 + 2 D* --> 140Ce58 + 20Ne10 + 50.867 MeV [22.432 MeV] (A_Dy:35)
156Dy66 + 2 D* --> 141Pr59 + 19F9 + 43.250 MeV [14.815 MeV] (A_Dy:36)
156Dy66 + 2 D* --> 142Nd60 + 18O8 + 42.478 MeV [14.044 MeV] (A_Dy:37)
156Dy66 + 2 D* --> 143Nd60 + 17O8 + 40.558 MeV [12.123 MeV] (A_Dy:38)
156Dy66 + 2 D* --> 144Nd60 + 16O8 + 44.232 MeV [15.797 MeV] (A_Dy:39)
156Dy66 + 2 D* --> 147Sm62 + 13C6 + 31.889 MeV [3.454 MeV] (A_Dy:40)
156Dy66 + 2 D* --> 148Sm62 + 12C6 + 35.084 MeV [6.649 MeV] (A_Dy:41)
156Dy66 + 2 D* --> 156Dy66 + 4He2 + 23.847 MeV [-4.588 MeV] (A_Dy:42)

156Dy66 + 3 D* --> 122Sn50 + 40K19 + 92.358 MeV [49.249 MeV] (A_Dy:43)
156Dy66 + 3 D* --> 125Te52 + 37Cl17 + 89.661 MeV [46.551 MeV] (A_Dy:44)
156Dy66 + 3 D* --> 131Xe54 + 31P15 + 81.733 MeV [38.623 MeV] (A_Dy:45)
156Dy66 + 3 D* --> 133Cs55 + 29Si14 + 78.843 MeV [35.733 MeV] (A_Dy:46)
156Dy66 + 3 D* --> 135Ba56 + 27Al13 + 73.925 MeV [30.815 MeV] (A_Dy:47)
156Dy66 + 3 D* --> 138La57 + 24Mg12 + 69.336 MeV [26.226 MeV] (A_Dy:48)
156Dy66 + 3 D* --> 141Pr59 + 21Ne10 + 60.630 MeV [17.520 MeV] (A_Dy:49)
156Dy66 + 3 D* --> 143Nd60 + 19F9 + 54.372 MeV [11.262 MeV] (A_Dy:50)
156Dy66 + 3 D* --> 147Sm62 + 15N7 + 48.048 MeV [4.938 MeV] (A_Dy:51)
156Dy66 + 3 D* --> 148Sm62 + 14N7 + 45.356 MeV [2.246 MeV] (A_Dy:52)
156Dy66 + 3 D* --> 152Gd64 + 10B5 + 31.541 MeV [-11.569 MeV] (A_Dy:53)
156Dy66 + 3 D* --> 156Dy66 + 6Li3 + 25.320 MeV [-17.790 MeV] (A_Dy:54)

156Dy66 + 4 D* --> 82Se34 + 82Kr36 + 140.197 MeV [82.109 MeV] (A_Dy:55)
156Dy66 + 4 D* --> 82Kr36 + 82Se34 + 140.197 MeV [82.109 MeV] (A_Dy:56)
156Dy66 + 4 D* --> 84Kr36 + 80Se34 + 142.204 MeV [84.117 MeV] (A_Dy:57)
156Dy66 + 4 D* --> 86Kr36 + 78Se34 + 142.305 MeV [84.218 MeV] (A_Dy:58)
156Dy66 + 4 D* --> 88Sr38 + 76Ge32 + 143.148 MeV [85.061 MeV] (A_Dy:59)
156Dy66 + 4 D* --> 94Zr40 + 70Zn30 + 138.845 MeV [80.757 MeV] (A_Dy:60)
156Dy66 + 4 D* --> 96Zr40 + 68Zn30 + 137.463 MeV [79.376 MeV] (A_Dy:61)
156Dy66 + 4 D* --> 100Mo42 + 64Ni28 + 135.297 MeV [77.209 MeV] (A_Dy:62)
156Dy66 + 4 D* --> 110Pd46 + 54Cr24 + 127.295 MeV [69.208 MeV] (A_Dy:63)
156Dy66 + 4 D* --> 114Cd48 + 50Ti22 + 123.461 MeV [65.373 MeV] (A_Dy:64)
156Dy66 + 4 D* --> 116Cd48 + 48Ti22 + 119.220 MeV [61.133 MeV] (A_Dy:65)
156Dy66 + 4 D* --> 116Sn50 + 48Ca20 + 117.755 MeV [59.668 MeV] (A_Dy:66)
156Dy66 + 4 D* --> 118Sn50 + 46Ca20 + 116.804 MeV [58.717 MeV] (A_Dy:67)
156Dy66 + 4 D* --> 120Sn50 + 44Ca20 + 114.587 MeV [56.499 MeV] (A_Dy:68)
156Dy66 + 4 D* --> 122Sn50 + 42Ca20 + 110.506 MeV [52.419 MeV] (A_Dy:69)
156Dy66 + 4 D* --> 124Sn50 + 40Ca20 + 105.096 MeV [47.009 MeV] (A_Dy:70)
156Dy66 + 4 D* --> 123Sb51 + 41K19 + 106.796 MeV [48.709 MeV] (A_Dy:71)
156Dy66 + 4 D* --> 124Te52 + 40Ar18 + 107.578 MeV [49.490 MeV] (A_Dy:72)
156Dy66 + 4 D* --> 126Te52 + 38Ar18 + 106.792 MeV [48.705 MeV] (A_Dy:73)
156Dy66 + 4 D* --> 128Te52 + 36Ar18 + 101.237 MeV [43.150 MeV] (A_Dy:74)
156Dy66 + 4 D* --> 127I53 + 37Cl17 + 102.758 MeV [44.671 MeV] (A_Dy:75)
156Dy66 + 4 D* --> 128Xe54 + 36S16 + 102.537 MeV [44.450 MeV] (A_Dy:76)
156Dy66 + 4 D* --> 130Xe54 + 34S16 + 101.827 MeV [43.739 MeV] (A_Dy:77)
156Dy66 + 4 D* --> 131Xe54 + 33S16 + 97.014 MeV [38.927 MeV] (A_Dy:78)
156Dy66 + 4 D* --> 132Xe54 + 32S16 + 97.309 MeV [39.222 MeV] (A_Dy:79)
156Dy66 + 4 D* --> 133Cs55 + 31P15 + 94.525 MeV [36.438 MeV] (A_Dy:80)
156Dy66 + 4 D* --> 134Ba56 + 30Si14 + 95.396 MeV [37.309 MeV] (A_Dy:81)
156Dy66 + 4 D* --> 135Ba56 + 29Si14 + 91.759 MeV [33.671 MeV] (A_Dy:82)
156Dy66 + 4 D* --> 136Ba56 + 28Si14 + 92.393 MeV [34.306 MeV] (A_Dy:83)
156Dy66 + 4 D* --> 138Ce58 + 26Mg12 + 85.796 MeV [27.709 MeV] (A_Dy:84)
156Dy66 + 4 D* --> 140Ce58 + 24Mg12 + 84.030 MeV [25.943 MeV] (A_Dy:85)
156Dy66 + 4 D* --> 141Pr59 + 23Na11 + 77.564 MeV [19.477 MeV] (A_Dy:86)
156Dy66 + 4 D* --> 142Nd60 + 22Ne10 + 75.993 MeV [17.906 MeV] (A_Dy:87)
156Dy66 + 4 D* --> 143Nd60 + 21Ne10 + 71.752 MeV [13.665 MeV] (A_Dy:88)
156Dy66 + 4 D* --> 144Nd60 + 20Ne10 + 72.808 MeV [14.721 MeV] (A_Dy:89)
156Dy66 + 4 D* --> 147Sm62 + 17O8 + 62.094 MeV [4.007 MeV] (A_Dy:90)
156Dy66 + 4 D* --> 148Sm62 + 16O8 + 66.092 MeV [8.005 MeV] (A_Dy:91)
156Dy66 + 4 D* --> 152Gd64 + 12C6 + 56.727 MeV [-1.360 MeV] (A_Dy:92)

156Dy66 + 5 D* --> 116Cd48 + 50V23 + 133.090 MeV [59.725 MeV] (A_Dy:93)
156Dy66 + 5 D* --> 123Sb51 + 43Ca20 + 122.782 MeV [49.417 MeV] (A_Dy:94)
156Dy66 + 5 D* --> 125Te52 + 41K19 + 119.730 MeV [46.366 MeV] (A_Dy:95)
156Dy66 + 5 D* --> 126Te52 + 40K19 + 118.749 MeV [45.384 MeV] (A_Dy:96)
156Dy66 + 5 D* --> 129Xe54 + 37Cl17 + 115.608 MeV [42.243 MeV] (A_Dy:97)
156Dy66 + 5 D* --> 131Xe54 + 35Cl17 + 112.578 MeV [39.213 MeV] (A_Dy:98)
156Dy66 + 5 D* --> 133Cs55 + 33S16 + 109.806 MeV [36.441 MeV] (A_Dy:99)
156Dy66 + 5 D* --> 135Ba56 + 31P15 + 107.440 MeV [34.076 MeV] (A_Dy:100)
156Dy66 + 5 D* --> 138La57 + 28Si14 + 103.166 MeV [29.802 MeV] (A_Dy:101)
156Dy66 + 5 D* --> 141Pr59 + 25Mg12 + 94.362 MeV [20.998 MeV] (A_Dy:102)
156Dy66 + 5 D* --> 143Nd60 + 23Na11 + 88.686 MeV [15.322 MeV] (A_Dy:103)
156Dy66 + 5 D* --> 147Sm62 + 19F9 + 75.908 MeV [2.544 MeV] (A_Dy:104)
156Dy66 + 5 D* --> 152Gd64 + 14N7 + 67.000 MeV [-6.365 MeV] (A_Dy:105)
156Dy66 + 5 D* --> 156Dy66 + 10B5 + 53.628 MeV [-19.736 MeV] (A_Dy:106)

156Dy66 + 6 D* --> 84Kr36 + 84Kr36 + 173.146 MeV [84.207 MeV] (A_Dy:107)
156Dy66 + 6 D* --> 86Kr36 + 82Kr36 + 172.140 MeV [83.201 MeV] (A_Dy:108)
156Dy66 + 6 D* --> 87Rb37 + 81Br35 + 170.857 MeV [81.918 MeV] (A_Dy:109)
156Dy66 + 6 D* --> 86Sr38 + 82Se34 + 170.402 MeV [81.463 MeV] (A_Dy:110)
156Dy66 + 6 D* --> 88Sr38 + 80Se34 + 173.966 MeV [85.027 MeV] (A_Dy:111)
156Dy66 + 6 D* --> 92Zr40 + 76Ge32 + 169.951 MeV [81.012 MeV] (A_Dy:112)
156Dy66 + 6 D* --> 94Zr40 + 74Ge32 + 168.974 MeV [80.035 MeV] (A_Dy:113)
156Dy66 + 6 D* --> 96Zr40 + 72Ge32 + 166.313 MeV [77.374 MeV] (A_Dy:114)
156Dy66 + 6 D* --> 98Mo42 + 70Zn30 + 165.961 MeV [77.022 MeV] (A_Dy:115)
156Dy66 + 6 D* --> 100Mo42 + 68Zn30 + 164.476 MeV [75.537 MeV] (A_Dy:116)
156Dy66 + 6 D* --> 104Ru44 + 64Ni28 + 163.473 MeV [74.534 MeV] (A_Dy:117)
156Dy66 + 6 D* --> 110Pd46 + 58Fe26 + 158.787 MeV [69.848 MeV] (A_Dy:118)
156Dy66 + 6 D* --> 114Cd48 + 54Cr24 + 155.238 MeV [66.299 MeV] (A_Dy:119)
156Dy66 + 6 D* --> 116Cd48 + 52Cr24 + 152.421 MeV [63.482 MeV] (A_Dy:120)
156Dy66 + 6 D* --> 118Sn50 + 50Ti22 + 151.367 MeV [62.428 MeV] (A_Dy:121)
156Dy66 + 6 D* --> 119Sn50 + 49Ti22 + 146.912 MeV [57.973 MeV] (A_Dy:122)
156Dy66 + 6 D* --> 120Sn50 + 48Ti22 + 147.877 MeV [58.938 MeV] (A_Dy:123)
156Dy66 + 6 D* --> 122Sn50 + 46Ti22 + 142.354 MeV [53.415 MeV] (A_Dy:124)
156Dy66 + 6 D* --> 123Sb51 + 45Sc21 + 138.576 MeV [49.637 MeV] (A_Dy:125)
156Dy66 + 6 D* --> 120Te52 + 48Ca20 + 141.903 MeV [52.964 MeV] (A_Dy:126)
156Dy66 + 6 D* --> 122Te52 + 46Ca20 + 141.734 MeV [52.795 MeV] (A_Dy:127)
156Dy66 + 6 D* --> 124Te52 + 44Ca20 + 140.278 MeV [51.339 MeV] (A_Dy:128)
156Dy66 + 6 D* --> 125Te52 + 43Ca20 + 135.715 MeV [46.776 MeV] (A_Dy:129)
156Dy66 + 6 D* --> 126Te52 + 42Ca20 + 136.896 MeV [47.957 MeV] (A_Dy:130)
156Dy66 + 6 D* --> 128Te52 + 40Ca20 + 132.123 MeV [43.184 MeV] (A_Dy:131)
156Dy66 + 6 D* --> 127I53 + 41K19 + 132.827 MeV [43.888 MeV] (A_Dy:132)
156Dy66 + 6 D* --> 128Xe54 + 40Ar18 + 133.184 MeV [44.245 MeV] (A_Dy:133)
156Dy66 + 6 D* --> 130Xe54 + 38Ar18 + 132.881 MeV [43.942 MeV] (A_Dy:134)
156Dy66 + 6 D* --> 132Xe54 + 36Ar18 + 127.797 MeV [38.858 MeV] (A_Dy:135)
156Dy66 + 6 D* --> 133Cs55 + 35Cl17 + 125.369 MeV [36.430 MeV] (A_Dy:136)
156Dy66 + 6 D* --> 132Ba56 + 36S16 + 127.383 MeV [38.444 MeV] (A_Dy:137)
156Dy66 + 6 D* --> 134Ba56 + 34S16 + 127.166 MeV [38.227 MeV] (A_Dy:138)
156Dy66 + 6 D* --> 135Ba56 + 33S16 + 122.721 MeV [33.782 MeV] (A_Dy:139)
156Dy66 + 6 D* --> 136Ba56 + 32S16 + 123.187 MeV [34.248 MeV] (A_Dy:140)
156Dy66 + 6 D* --> 138Ce58 + 30Si14 + 120.286 MeV [31.347 MeV] (A_Dy:141)
156Dy66 + 6 D* --> 140Ce58 + 28Si14 + 117.861 MeV [28.922 MeV] (A_Dy:142)
156Dy66 + 6 D* --> 141Pr59 + 27Al13 + 111.502 MeV [22.563 MeV] (A_Dy:143)
156Dy66 + 6 D* --> 142Nd60 + 26Mg12 + 110.454 MeV [21.515 MeV] (A_Dy:144)
156Dy66 + 6 D* --> 143Nd60 + 25Mg12 + 105.485 MeV [16.546 MeV] (A_Dy:145)
156Dy66 + 6 D* --> 144Nd60 + 24Mg12 + 105.971 MeV [17.032 MeV] (A_Dy:146)
156Dy66 + 6 D* --> 147Sm62 + 21Ne10 + 93.288 MeV [4.349 MeV] (A_Dy:147)
156Dy66 + 6 D* --> 148Sm62 + 20Ne10 + 94.669 MeV [5.730 MeV] (A_Dy:148)
156Dy66 + 6 D* --> 152Gd64 + 16O8 + 87.736 MeV [-1.203 MeV] (A_Dy:149)
156Dy66 + 6 D* --> 156Dy66 + 12C6 + 78.814 MeV [-10.125 MeV] (A_Dy:150)

156Dy66 + 7 D* --> 87Rb37 + 83Kr36 + 186.000 MeV [81.190 MeV] (A_Dy:151)
156Dy66 + 7 D* --> 119Sn50 + 51V23 + 163.690 MeV [58.881 MeV] (A_Dy:152)
156Dy66 + 7 D* --> 120Sn50 + 50V23 + 161.747 MeV [56.937 MeV] (A_Dy:153)
156Dy66 + 7 D* --> 121Sb51 + 49Ti22 + 159.574 MeV [54.765 MeV] (A_Dy:154)
156Dy66 + 7 D* --> 123Sb51 + 47Ti22 + 155.577 MeV [50.767 MeV] (A_Dy:155)
156Dy66 + 7 D* --> 125Te52 + 45Sc21 + 151.510 MeV [46.701 MeV] (A_Dy:156)
156Dy66 + 7 D* --> 127I53 + 43Ca20 + 148.812 MeV [44.003 MeV] (A_Dy:157)
156Dy66 + 7 D* --> 129Xe54 + 41K19 + 145.677 MeV [40.867 MeV] (A_Dy:158)
156Dy66 + 7 D* --> 130Xe54 + 40K19 + 144.837 MeV [40.028 MeV] (A_Dy:159)

156Dy66 + 7 D* --> 131Xe54 + 39K19 + 143.642 MeV [38.833 MeV] (A_Dy:160)
156Dy66 + 7 D* --> 135Ba56 + 35Cl17 + 138.284 MeV [33.475 MeV] (A_Dy:161)
156Dy66 + 7 D* --> 138La57 + 32S16 + 133.961 MeV [29.151 MeV] (A_Dy:162)
156Dy66 + 7 D* --> 141Pr59 + 29Si14 + 129.336 MeV [24.527 MeV] (A_Dy:163)
156Dy66 + 7 D* --> 143Nd60 + 27Al13 + 122.624 MeV [17.815 MeV] (A_Dy:164)
156Dy66 + 7 D* --> 147Sm62 + 23Na11 + 110.222 MeV [5.413 MeV] (A_Dy:165)
156Dy66 + 7 D* --> 156Dy66 + 14N7 + 89.087 MeV [-15.723 MeV] (A_Dy:166)

156Dy66 + 8 D* --> 86Kr36 + 86Sr38 + 202.345 MeV [81.372 MeV] (A_Dy:167)
156Dy66 + 8 D* --> 87Rb37 + 85Rb37 + 201.321 MeV [80.348 MeV] (A_Dy:168)
156Dy66 + 8 D* --> 86Sr38 + 86Kr36 + 202.345 MeV [81.372 MeV] (A_Dy:169)
156Dy66 + 8 D* --> 88Sr38 + 84Kr36 + 204.909 MeV [83.935 MeV] (A_Dy:170)
156Dy66 + 8 D* --> 90Zr40 + 82Se34 + 200.917 MeV [79.944 MeV] (A_Dy:171)
156Dy66 + 8 D* --> 92Zr40 + 80Se34 + 200.770 MeV [79.797 MeV] (A_Dy:172)
156Dy66 + 8 D* --> 94Zr40 + 78Se34 + 198.849 MeV [77.876 MeV] (A_Dy:173)
156Dy66 + 8 D* --> 96Zr40 + 76Se34 + 195.251 MeV [74.278 MeV] (A_Dy:174)
156Dy66 + 8 D* --> 96Mo42 + 76Ge32 + 196.559 MeV [75.586 MeV] (A_Dy:175)
156Dy66 + 8 D* --> 98Mo42 + 74Ge32 + 196.090 MeV [75.117 MeV] (A_Dy:176)
156Dy66 + 8 D* --> 100Mo42 + 72Ge32 + 193.326 MeV [72.353 MeV] (A_Dy:177)
156Dy66 + 8 D* --> 102Ru44 + 70Zn30 + 193.219 MeV [72.245 MeV] (A_Dy:178)
156Dy66 + 8 D* --> 104Ru44 + 68Zn30 + 192.652 MeV [71.679 MeV] (A_Dy:179)
156Dy66 + 8 D* --> 108Pd46 + 64Ni28 + 191.180 MeV [70.206 MeV] (A_Dy:180)
156Dy66 + 8 D* --> 110Pd46 + 62Ni28 + 189.651 MeV [68.678 MeV] (A_Dy:181)
156Dy66 + 8 D* --> 114Cd48 + 58Fe26 + 186.730 MeV [65.757 MeV] (A_Dy:182)
156Dy66 + 8 D* --> 116Cd48 + 56Fe26 + 183.881 MeV [62.907 MeV] (A_Dy:183)
156Dy66 + 8 D* --> 118Sn50 + 54Cr24 + 183.145 MeV [62.171 MeV] (A_Dy:184)
156Dy66 + 8 D* --> 119Sn50 + 53Cr24 + 179.909 MeV [58.936 MeV] (A_Dy:185)
156Dy66 + 8 D* --> 120Sn50 + 52Cr24 + 181.078 MeV [60.105 MeV] (A_Dy:186)
156Dy66 + 8 D* --> 122Sn50 + 50Cr24 + 174.761 MeV [53.788 MeV] (A_Dy:187)
156Dy66 + 8 D* --> 121Sb51 + 51V23 + 176.352 MeV [55.379 MeV] (A_Dy:188)
156Dy66 + 8 D* --> 122Te52 + 50Ti22 + 176.297 MeV [55.323 MeV] (A_Dy:189)
156Dy66 + 8 D* --> 123Te52 + 49Ti22 + 172.287 MeV [51.313 MeV] (A_Dy:190)
156Dy66 + 8 D* --> 124Te52 + 48Ti22 + 173.568 MeV [52.595 MeV] (A_Dy:191)
156Dy66 + 8 D* --> 125Te52 + 47Ti22 + 168.511 MeV [47.537 MeV] (A_Dy:192)
156Dy66 + 8 D* --> 126Te52 + 46Ti22 + 168.744 MeV [47.771 MeV] (A_Dy:193)
156Dy66 + 8 D* --> 127I53 + 45Sc21 + 164.607 MeV [43.634 MeV] (A_Dy:194)
156Dy66 + 8 D* --> 124Xe54 + 48Ca20 + 166.430 MeV [45.457 MeV] (A_Dy:195)
156Dy66 + 8 D* --> 126Xe54 + 46Ca20 + 166.860 MeV [45.886 MeV] (A_Dy:196)
156Dy66 + 8 D* --> 128Xe54 + 44Ca20 + 165.884 MeV [44.911 MeV] (A_Dy:197)
156Dy66 + 8 D* --> 129Xe54 + 43Ca20 + 161.662 MeV [40.689 MeV] (A_Dy:198)
156Dy66 + 8 D* --> 130Xe54 + 42Ca20 + 162.985 MeV [42.012 MeV] (A_Dy:199)
156Dy66 + 8 D* --> 132Xe54 + 40Ca20 + 158.683 MeV [37.709 MeV] (A_Dy:200)
156Dy66 + 8 D* --> 133Cs55 + 39K19 + 156.434 MeV [35.461 MeV] (A_Dy:201)
156Dy66 + 8 D* --> 132Ba56 + 40Ar18 + 158.031 MeV [37.057 MeV] (A_Dy:202)
156Dy66 + 8 D* --> 134Ba56 + 38Ar18 + 158.220 MeV [37.247 MeV] (A_Dy:203)
156Dy66 + 8 D* --> 136Ba56 + 36Ar18 + 153.674 MeV [32.701 MeV] (A_Dy:204)
156Dy66 + 8 D* --> 136Ce58 + 36S16 + 151.688 MeV [30.715 MeV] (A_Dy:205)
156Dy66 + 8 D* --> 138Ce58 + 34S16 + 152.056 MeV [31.083 MeV] (A_Dy:206)
156Dy66 + 8 D* --> 140Ce58 + 32S16 + 148.655 MeV [27.682 MeV] (A_Dy:207)
156Dy66 + 8 D* --> 141Pr59 + 31P15 + 145.018 MeV [24.045 MeV] (A_Dy:208)
156Dy66 + 8 D* --> 142Nd60 + 30Si14 + 144.944 MeV [23.971 MeV] (A_Dy:209)
156Dy66 + 8 D* --> 143Nd60 + 29Si14 + 140.458 MeV [19.485 MeV] (A_Dy:210)
156Dy66 + 8 D* --> 144Nd60 + 28Si14 + 139.802 MeV [18.829 MeV] (A_Dy:211)
156Dy66 + 8 D* --> 147Sm62 + 25Mg12 + 127.021 MeV [6.048 MeV] (A_Dy:212)

156Dy66 + 8 D* --> 148Sm62 + 24Mg12 + 127.832 MeV [6.858 MeV] (A_Dy:213)
156Dy66 + 8 D* --> 152Gd64 + 20Ne10 + 116.312 MeV [-4.661 MeV] (A_Dy:214)
156Dy66 + 8 D* --> 156Dy66 + 16O8 + 109.823 MeV [-11.150 MeV] (A_Dy:215)

156Dy66 + 9 D* --> 87Rb37 + 87Sr38 + 217.170 MeV [79.741 MeV] (A_Dy:216)
156Dy66 + 9 D* --> 87Sr38 + 87Rb37 + 217.170 MeV [79.741 MeV] (A_Dy:217)
156Dy66 + 9 D* --> 119Sn50 + 55Mn25 + 195.471 MeV [58.042 MeV] (A_Dy:218)
156Dy66 + 9 D* --> 121Sb51 + 53Cr24 + 192.572 MeV [55.143 MeV] (A_Dy:219)
156Dy66 + 9 D* --> 123Te52 + 51V23 + 189.065 MeV [51.636 MeV] (A_Dy:220)
156Dy66 + 9 D* --> 124Te52 + 50V23 + 187.438 MeV [50.009 MeV] (A_Dy:221)
156Dy66 + 9 D* --> 127I53 + 47Ti22 + 181.607 MeV [44.179 MeV] (A_Dy:222)
156Dy66 + 9 D* --> 129Xe54 + 45Sc21 + 177.457 MeV [40.028 MeV] (A_Dy:223)
156Dy66 + 9 D* --> 134Ba56 + 40K19 + 170.177 MeV [32.748 MeV] (A_Dy:224)
156Dy66 + 9 D* --> 135Ba56 + 39K19 + 169.349 MeV [31.921 MeV] (A_Dy:225)
156Dy66 + 9 D* --> 138La57 + 36Ar18 + 164.448 MeV [27.019 MeV] (A_Dy:226)
156Dy66 + 9 D* --> 141Pr59 + 33S16 + 160.299 MeV [22.870 MeV] (A_Dy:227)
156Dy66 + 9 D* --> 143Nd60 + 31P15 + 156.140 MeV [18.711 MeV] (A_Dy:228)
156Dy66 + 9 D* --> 147Sm62 + 27Al13 + 144.160 MeV [6.732 MeV] (A_Dy:229)

156Dy66 + 10 D* --> 88Sr38 + 88Sr38 + 236.671 MeV [82.497 MeV] (A_Dy:230)
156Dy66 + 10 D* --> 89Y39 + 87Rb37 + 233.127 MeV [78.954 MeV] (A_Dy:231)
156Dy66 + 10 D* --> 90Zr40 + 86Kr36 + 232.860 MeV [78.687 MeV] (A_Dy:232)
156Dy66 + 10 D* --> 92Zr40 + 84Kr36 + 231.712 MeV [77.539 MeV] (A_Dy:233)
156Dy66 + 10 D* --> 94Zr40 + 82Kr36 + 228.684 MeV [74.510 MeV] (A_Dy:234)
156Dy66 + 10 D* --> 96Zr40 + 80Kr36 + 224.163 MeV [69.989 MeV] (A_Dy:235)
156Dy66 + 10 D* --> 94Mo42 + 82Se34 + 226.831 MeV [72.658 MeV] (A_Dy:236)
156Dy66 + 10 D* --> 96Mo42 + 80Se34 + 227.378 MeV [73.204 MeV] (A_Dy:237)
156Dy66 + 10 D* --> 98Mo42 + 78Se34 + 225.965 MeV [71.792 MeV] (A_Dy:238)
156Dy66 + 10 D* --> 100Mo42 + 76Se34 + 222.264 MeV [68.090 MeV] (A_Dy:239)
156Dy66 + 10 D* --> 100Ru44 + 76Ge32 + 223.259 MeV [69.086 MeV] (A_Dy:240)
156Dy66 + 10 D* --> 102Ru44 + 74Ge32 + 223.348 MeV [69.174 MeV] (A_Dy:241)
156Dy66 + 10 D* --> 104Ru44 + 72Ge32 + 221.502 MeV [67.329 MeV] (A_Dy:242)
156Dy66 + 10 D* --> 106Pd46 + 70Zn30 + 220.295 MeV [66.121 MeV] (A_Dy:243)
156Dy66 + 10 D* --> 108Pd46 + 68Zn30 + 220.359 MeV [66.185 MeV] (A_Dy:244)
156Dy66 + 10 D* --> 110Pd46 + 66Zn30 + 218.076 MeV [63.903 MeV] (A_Dy:245)
156Dy66 + 10 D* --> 112Cd48 + 64Ni28 + 218.507 MeV [64.334 MeV] (A_Dy:246)
156Dy66 + 10 D* --> 114Cd48 + 62Ni28 + 217.594 MeV [63.421 MeV] (A_Dy:247)
156Dy66 + 10 D* --> 116Cd48 + 60Ni28 + 214.019 MeV [59.845 MeV] (A_Dy:248)
156Dy66 + 10 D* --> 118Sn50 + 58Fe26 + 214.637 MeV [60.463 MeV] (A_Dy:249)
156Dy66 + 10 D* --> 119Sn50 + 57Fe26 + 211.076 MeV [56.902 MeV] (A_Dy:250)
156Dy66 + 10 D* --> 120Sn50 + 56Fe26 + 212.538 MeV [58.364 MeV] (A_Dy:251)
156Dy66 + 10 D* --> 122Sn50 + 54Fe26 + 207.026 MeV [52.852 MeV] (A_Dy:252)
156Dy66 + 10 D* --> 121Sb51 + 55Mn25 + 208.133 MeV [53.960 MeV] (A_Dy:253)
156Dy66 + 10 D* --> 122Te52 + 54Cr24 + 208.074 MeV [53.901 MeV] (A_Dy:254)
156Dy66 + 10 D* --> 123Te52 + 53Cr24 + 205.284 MeV [51.111 MeV] (A_Dy:255)
156Dy66 + 10 D* --> 124Te52 + 52Cr24 + 206.769 MeV [52.595 MeV] (A_Dy:256)
156Dy66 + 10 D* --> 126Te52 + 50Cr24 + 201.151 MeV [46.978 MeV] (A_Dy:257)
156Dy66 + 10 D* --> 126Xe54 + 50Ti22 + 201.423 MeV [47.249 MeV] (A_Dy:258)
156Dy66 + 10 D* --> 128Xe54 + 48Ti22 + 199.175 MeV [45.002 MeV] (A_Dy:259)
156Dy66 + 10 D* --> 129Xe54 + 47Ti22 + 194.457 MeV [40.284 MeV] (A_Dy:260)
156Dy66 + 10 D* --> 130Xe54 + 46Ti22 + 194.833 MeV [40.659 MeV] (A_Dy:261)
156Dy66 + 10 D* --> 130Ba56 + 46Ca20 + 191.224 MeV [37.051 MeV] (A_Dy:262)
156Dy66 + 10 D* --> 132Ba56 + 44Ca20 + 190.731 MeV [36.557 MeV] (A_Dy:263)
156Dy66 + 10 D* --> 134Ba56 + 42Ca20 + 188.324 MeV [34.151 MeV] (A_Dy:264)

156Dy66 + 10 D* --> 136Ba56 + 40Ca20 + 184.561 MeV [30.387 MeV] (A_Dy:265)
156Dy66 + 10 D* --> 136Ce58 + 40Ar18 + 182.336 MeV [28.162 MeV] (A_Dy:266)
156Dy66 + 10 D* --> 138Ce58 + 38Ar18 + 183.110 MeV [28.937 MeV] (A_Dy:267)
156Dy66 + 10 D* --> 140Ce58 + 36Ar18 + 179.142 MeV [24.969 MeV] (A_Dy:268)
156Dy66 + 10 D* --> 141Pr59 + 35Cl17 + 175.862 MeV [21.688 MeV] (A_Dy:269)
156Dy66 + 10 D* --> 142Nd60 + 34S16 + 176.714 MeV [22.541 MeV] (A_Dy:270)
156Dy66 + 10 D* --> 143Nd60 + 33S16 + 171.421 MeV [17.247 MeV] (A_Dy:271)
156Dy66 + 10 D* --> 144Nd60 + 32S16 + 170.596 MeV [16.423 MeV] (A_Dy:272)
156Dy66 + 10 D* --> 147Sm62 + 29Si14 + 161.995 MeV [7.821 MeV] (A_Dy:273)
156Dy66 + 10 D* --> 148Sm62 + 28Si14 + 161.662 MeV [7.489 MeV] (A_Dy:274)
156Dy66 + 10 D* --> 152Gd64 + 24Mg12 + 149.475 MeV [-4.698 MeV] (A_Dy:275)
156Dy66 + 10 D* --> 156Dy66 + 20Ne10 + 138.399 MeV [-15.774 MeV] (A_Dy:276)

156Dy66 + 11 D* --> 91Zr40 + 87Rb37 + 246.451 MeV [75.245 MeV] (A_Dy:277)
156Dy66 + 11 D* --> 97Mo42 + 81Br35 + 239.478 MeV [68.272 MeV] (A_Dy:278)
156Dy66 + 11 D* --> 113Cd48 + 65Cu29 + 230.276 MeV [59.070 MeV] (A_Dy:279)
156Dy66 + 11 D* --> 119Sn50 + 59Co27 + 226.260 MeV [55.054 MeV] (A_Dy:280)
156Dy66 + 11 D* --> 121Sb51 + 57Fe26 + 223.738 MeV [52.532 MeV] (A_Dy:281)
156Dy66 + 11 D* --> 123Te52 + 55Mn25 + 220.846 MeV [49.640 MeV] (A_Dy:282)
156Dy66 + 11 D* --> 128Xe54 + 50V23 + 213.045 MeV [41.839 MeV] (A_Dy:283)
156Dy66 + 11 D* --> 138La57 + 40Ca20 + 195.334 MeV [24.128 MeV] (A_Dy:284)
156Dy66 + 11 D* --> 138Ce58 + 40K19 + 195.067 MeV [23.861 MeV] (A_Dy:285)
156Dy66 + 11 D* --> 143Nd60 + 35Cl17 + 186.984 MeV [15.778 MeV] (A_Dy:286)
156Dy66 + 11 D* --> 147Sm62 + 31P15 + 177.676 MeV [6.470 MeV] (A_Dy:287)

156Dy66 + 12 D* --> 92Zr40 + 88Sr38 + 263.474 MeV [74.950 MeV] (A_Dy:288)
156Dy66 + 12 D* --> 94Zr40 + 86Sr38 + 258.889 MeV [70.365 MeV] (A_Dy:289)
156Dy66 + 12 D* --> 96Zr40 + 84Sr38 + 253.185 MeV [64.661 MeV] (A_Dy:290)
156Dy66 + 12 D* --> 93Nb41 + 87Rb37 + 258.905 MeV [70.381 MeV] (A_Dy:291)
156Dy66 + 12 D* --> 94Mo42 + 86Kr36 + 258.774 MeV [70.250 MeV] (A_Dy:292)
156Dy66 + 12 D* --> 96Mo42 + 84Kr36 + 258.320 MeV [69.796 MeV] (A_Dy:293)
156Dy66 + 12 D* --> 97Mo42 + 83Kr36 + 254.621 MeV [66.097 MeV] (A_Dy:294)
156Dy66 + 12 D* --> 98Mo42 + 82Kr36 + 255.800 MeV [67.276 MeV] (A_Dy:295)
156Dy66 + 12 D* --> 100Mo42 + 80Kr36 + 251.176 MeV [62.652 MeV] (A_Dy:296)
156Dy66 + 12 D* --> 98Ru44 + 82Se34 + 252.917 MeV [64.393 MeV] (A_Dy:297)
156Dy66 + 12 D* --> 100Ru44 + 80Se34 + 254.078 MeV [65.554 MeV] (A_Dy:298)
156Dy66 + 12 D* --> 102Ru44 + 78Se34 + 253.223 MeV [64.699 MeV] (A_Dy:299)
156Dy66 + 12 D* --> 104Ru44 + 76Se34 + 250.440 MeV [61.916 MeV] (A_Dy:300)
156Dy66 + 12 D* --> 104Pd46 + 76Ge32 + 249.702 MeV [61.178 MeV] (A_Dy:301)
156Dy66 + 12 D* --> 106Pd46 + 74Ge32 + 250.424 MeV [61.900 MeV] (A_Dy:302)
156Dy66 + 12 D* --> 108Pd46 + 72Ge32 + 249.209 MeV [60.685 MeV] (A_Dy:303)
156Dy66 + 12 D* --> 110Pd46 + 70Ge32 + 246.011 MeV [57.487 MeV] (A_Dy:304)
156Dy66 + 12 D* --> 109Ag47 + 71Ga31 + 245.962 MeV [57.438 MeV] (A_Dy:305)
156Dy66 + 12 D* --> 110Cd48 + 70Zn30 + 247.016 MeV [58.492 MeV] (A_Dy:306)
156Dy66 + 12 D* --> 112Cd48 + 68Zn30 + 247.687 MeV [59.162 MeV] (A_Dy:307)
156Dy66 + 12 D* --> 113Cd48 + 67Zn30 + 244.029 MeV [55.504 MeV] (A_Dy:308)
156Dy66 + 12 D* --> 114Cd48 + 66Zn30 + 246.019 MeV [57.495 MeV] (A_Dy:309)
156Dy66 + 12 D* --> 116Cd48 + 64Zn30 + 241.822 MeV [53.298 MeV] (A_Dy:310)
156Dy66 + 12 D* --> 115In49 + 65Cu29 + 243.899 MeV [55.375 MeV] (A_Dy:311)
156Dy66 + 12 D* --> 116Sn50 + 64Ni28 + 245.726 MeV [57.202 MeV] (A_Dy:312)
156Dy66 + 12 D* --> 118Sn50 + 62Ni28 + 245.501 MeV [56.977 MeV] (A_Dy:313)
156Dy66 + 12 D* --> 119Sn50 + 61Ni28 + 241.388 MeV [52.864 MeV] (A_Dy:314)
156Dy66 + 12 D* --> 120Sn50 + 60Ni28 + 242.676 MeV [54.152 MeV] (A_Dy:315)
156Dy66 + 12 D* --> 122Sn50 + 58Ni28 + 237.272 MeV [48.748 MeV] (A_Dy:316)

156Dy66 + 12 D* --> 121Sb51 + 59Co27 + 238.922 MeV [50.398 MeV] (A_Dy:317)
156Dy66 + 12 D* --> 122Te52 + 58Fe26 + 239.566 MeV [51.042 MeV] (A_Dy:318)
156Dy66 + 12 D* --> 123Te52 + 57Fe26 + 236.451 MeV [47.927 MeV] (A_Dy:319)
156Dy66 + 12 D* --> 124Te52 + 56Fe26 + 238.229 MeV [49.705 MeV] (A_Dy:320)
156Dy66 + 12 D* --> 126Te52 + 54Fe26 + 233.416 MeV [44.892 MeV] (A_Dy:321)
156Dy66 + 12 D* --> 126Xe54 + 54Cr24 + 233.200 MeV [44.676 MeV] (A_Dy:322)
156Dy66 + 12 D* --> 128Xe54 + 52Cr24 + 232.376 MeV [43.852 MeV] (A_Dy:323)
156Dy66 + 12 D* --> 130Xe54 + 50Cr24 + 227.240 MeV [38.716 MeV] (A_Dy:324)
156Dy66 + 12 D* --> 130Ba56 + 50Ti22 + 225.787 MeV [37.263 MeV] (A_Dy:325)
156Dy66 + 12 D* --> 132Ba56 + 48Ti22 + 224.021 MeV [35.497 MeV] (A_Dy:326)
156Dy66 + 12 D* --> 134Ba56 + 46Ti22 + 220.172 MeV [31.648 MeV] (A_Dy:327)
156Dy66 + 12 D* --> 136Ce58 + 44Ca20 + 215.036 MeV [26.512 MeV] (A_Dy:328)
156Dy66 + 12 D* --> 138Ce58 + 42Ca20 + 213.214 MeV [24.690 MeV] (A_Dy:329)
156Dy66 + 12 D* --> 140Ce58 + 40Ca20 + 210.028 MeV [21.504 MeV] (A_Dy:330)
156Dy66 + 12 D* --> 141Pr59 + 39K19 + 206.927 MeV [18.403 MeV] (A_Dy:331)
156Dy66 + 12 D* --> 142Nd60 + 38Ar18 + 207.769 MeV [19.244 MeV] (A_Dy:332)
156Dy66 + 12 D* --> 144Nd60 + 36Ar18 + 201.084 MeV [12.559 MeV] (A_Dy:333)
156Dy66 + 12 D* --> 144Sm62 + 36S16 + 199.735 MeV [11.211 MeV] (A_Dy:334)
156Dy66 + 12 D* --> 147Sm62 + 33S16 + 192.957 MeV [4.433 MeV] (A_Dy:335)
156Dy66 + 12 D* --> 148Sm62 + 32S16 + 192.457 MeV [3.933 MeV] (A_Dy:336)
156Dy66 + 12 D* --> 152Gd64 + 28Si14 + 183.306 MeV [-5.218 MeV] (A_Dy:337)
156Dy66 + 12 D* --> 156Dy66 + 24Mg12 + 171.562 MeV [-16.962 MeV] (A_Dy:338)

158Dy66 + D* --> 137Ba56 + 23Na11 + 39.975 MeV [25.969 MeV] (A_Dy:339)
158Dy66 + D* --> 138La57 + 22Ne10 + 37.273 MeV [23.268 MeV] (A_Dy:340)
158Dy66 + D* --> 139La57 + 21Ne10 + 35.687 MeV [21.682 MeV] (A_Dy:341)
158Dy66 + D* --> 145Nd60 + 15N7 + 24.059 MeV [10.054 MeV] (A_Dy:342)
158Dy66 + D* --> 146Nd60 + 14N7 + 20.791 MeV [6.786 MeV] (A_Dy:343)
158Dy66 + D* --> 149Sm62 + 11B5 + 11.198 MeV [-2.808 MeV] (A_Dy:344)
158Dy66 + D* --> 150Sm62 + 10B5 + 7.730 MeV [-6.275 MeV] (A_Dy:345)
158Dy66 + D* --> 151Eu63 + 9Be4 + 6.035 MeV [-7.970 MeV] (A_Dy:346)
158Dy66 + D* --> 154Gd64 + 6Li3 + 2.350 MeV [-11.655 MeV] (A_Dy:347)

158Dy66 + 2 D* --> 82Se34 + 80Se34 + 111.213 MeV [82.896 MeV] (A_Dy:348)
158Dy66 + 2 D* --> 86Kr36 + 76Ge32 + 112.338 MeV [84.021 MeV] (A_Dy:349)
158Dy66 + 2 D* --> 114Cd48 + 48Ca20 + 90.094 MeV [61.777 MeV] (A_Dy:350)
158Dy66 + 2 D* --> 116Cd48 + 46Ca20 + 87.714 MeV [59.396 MeV] (A_Dy:351)
158Dy66 + 2 D* --> 122Sn50 + 40Ar18 + 80.845 MeV [52.528 MeV] (A_Dy:352)
158Dy66 + 2 D* --> 124Sn50 + 38Ar18 + 78.811 MeV [50.493 MeV] (A_Dy:353)
158Dy66 + 2 D* --> 126Te52 + 36S16 + 76.588 MeV [48.271 MeV] (A_Dy:354)
158Dy66 + 2 D* --> 128Te52 + 34S16 + 74.783 MeV [46.466 MeV] (A_Dy:355)
158Dy66 + 2 D* --> 130Te52 + 32S16 + 69.226 MeV [40.909 MeV] (A_Dy:356)
158Dy66 + 2 D* --> 132Xe54 + 30Si14 + 69.573 MeV [41.255 MeV] (A_Dy:357)
158Dy66 + 2 D* --> 134Xe54 + 28Si14 + 65.477 MeV [37.159 MeV] (A_Dy:358)
158Dy66 + 2 D* --> 136Ba56 + 26Mg12 + 60.961 MeV [32.644 MeV] (A_Dy:359)
158Dy66 + 2 D* --> 137Ba56 + 25Mg12 + 56.773 MeV [28.456 MeV] (A_Dy:360)
158Dy66 + 2 D* --> 138Ba56 + 24Mg12 + 58.055 MeV [29.737 MeV] (A_Dy:361)
158Dy66 + 2 D* --> 139La57 + 23Na11 + 52.621 MeV [24.303 MeV] (A_Dy:362)
158Dy66 + 2 D* --> 140Ce58 + 22Ne10 + 51.967 MeV [23.650 MeV] (A_Dy:363)
158Dy66 + 2 D* --> 142Ce58 + 20Ne10 + 47.440 MeV [19.122 MeV] (A_Dy:364)
158Dy66 + 2 D* --> 144Nd60 + 18O8 + 40.394 MeV [12.077 MeV] (A_Dy:365)
158Dy66 + 2 D* --> 145Nd60 + 17O8 + 38.105 MeV [9.788 MeV] (A_Dy:366)
158Dy66 + 2 D* --> 146Nd60 + 16O8 + 41.527 MeV [13.210 MeV] (A_Dy:367)
158Dy66 + 2 D* --> 149Sm62 + 13C6 + 29.876 MeV [1.559 MeV] (A_Dy:368)

158Dy66 + 2 D* --> 150Sm62 + 12C6 + 32.917 MeV [4.599 MeV] (A_Dy:369)
158Dy66 + 2 D* --> 151Eu63 + 11B5 + 21.850 MeV [-6.467 MeV] (A_Dy:370)
158Dy66 + 2 D* --> 158Dy66 + 4He2 + 23.847 MeV [-4.471 MeV] (A_Dy:371)
158Dy66 + 2 D* --> 162Er68 + 22.202 MeV [-6.115 MeV] (A_Dy:372)

158Dy66 + 3 D* --> 124Sn50 + 40K19 + 90.767 MeV [47.833 MeV] (A_Dy:373)
158Dy66 + 3 D* --> 137Ba56 + 27Al13 + 73.913 MeV [30.979 MeV] (A_Dy:374)
158Dy66 + 3 D* --> 138La57 + 26Mg12 + 71.734 MeV [28.800 MeV] (A_Dy:375)
158Dy66 + 3 D* --> 139La57 + 25Mg12 + 69.419 MeV [26.485 MeV] (A_Dy:376)
158Dy66 + 3 D* --> 145Nd60 + 19F9 + 51.920 MeV [8.986 MeV] (A_Dy:377)
158Dy66 + 3 D* --> 149Sm62 + 15N7 + 46.036 MeV [3.102 MeV] (A_Dy:378)
158Dy66 + 3 D* --> 150Sm62 + 14N7 + 43.189 MeV [00.255 MeV] (A_Dy:379)
158Dy66 + 3 D* --> 151Eu63 + 13C6 + 40.529 MeV [-2.405 MeV] (A_Dy:380)
158Dy66 + 3 D* --> 154Gd64 + 10B5 + 30.658 MeV [-12.276 MeV] (A_Dy:381)
158Dy66 + 3 D* --> 158Dy66 + 6Li3 + 25.320 MeV [-17.614 MeV] (A_Dy:382)
158Dy66 + 3 D* --> 162Er68 + 2H1 + 22.202 MeV [-20.732 MeV] (A_Dy:383)

158Dy66 + 4 D* --> 84Kr36 + 82Se34 + 142.156 MeV [84.303 MeV] (A_Dy:384)
158Dy66 + 4 D* --> 86Kr36 + 80Se34 + 143.156 MeV [85.303 MeV] (A_Dy:385)
158Dy66 + 4 D* --> 96Zr40 + 70Zn30 + 137.138 MeV [79.285 MeV] (A_Dy:386)
158Dy66 + 4 D* --> 116Cd48 + 50Ti22 + 122.277 MeV [64.424 MeV] (A_Dy:387)
158Dy66 + 4 D* --> 118Sn50 + 48Ca20 + 118.001 MeV [60.148 MeV] (A_Dy:388)
158Dy66 + 4 D* --> 120Sn50 + 46Ca20 + 116.371 MeV [58.518 MeV] (A_Dy:389)
158Dy66 + 4 D* --> 122Sn50 + 44Ca20 + 113.545 MeV [55.692 MeV] (A_Dy:390)
158Dy66 + 4 D* --> 124Sn50 + 42Ca20 + 108.915 MeV [51.062 MeV] (A_Dy:391)
158Dy66 + 4 D* --> 126Te52 + 40Ar18 + 107.235 MeV [49.382 MeV] (A_Dy:392)
158Dy66 + 4 D* --> 128Te52 + 38Ar18 + 105.837 MeV [47.984 MeV] (A_Dy:393)
158Dy66 + 4 D* --> 130Te52 + 36Ar18 + 99.714 MeV [41.861 MeV] (A_Dy:394)
158Dy66 + 4 D* --> 130Xe54 + 36S16 + 102.677 MeV [44.824 MeV] (A_Dy:395)
158Dy66 + 4 D* --> 132Xe54 + 34S16 + 101.343 MeV [43.490 MeV] (A_Dy:396)
158Dy66 + 4 D* --> 134Xe54 + 32S16 + 96.271 MeV [38.418 MeV] (A_Dy:397)
158Dy66 + 4 D* --> 136Ba56 + 30Si14 + 95.451 MeV [37.598 MeV] (A_Dy:398)
158Dy66 + 4 D* --> 137Ba56 + 29Si14 + 91.747 MeV [33.894 MeV] (A_Dy:399)
158Dy66 + 4 D* --> 138Ba56 + 28Si14 + 91.885 MeV [34.032 MeV] (A_Dy:400)
158Dy66 + 4 D* --> 139La57 + 27Al13 + 86.559 MeV [28.706 MeV] (A_Dy:401)
158Dy66 + 4 D* --> 140Ce58 + 26Mg12 + 86.429 MeV [28.576 MeV] (A_Dy:402)
158Dy66 + 4 D* --> 142Ce58 + 24Mg12 + 80.603 MeV [22.750 MeV] (A_Dy:403)
158Dy66 + 4 D* --> 144Nd60 + 22Ne10 + 73.909 MeV [16.056 MeV] (A_Dy:404)
158Dy66 + 4 D* --> 145Nd60 + 21Ne10 + 69.300 MeV [11.447 MeV] (A_Dy:405)
158Dy66 + 4 D* --> 146Nd60 + 20Ne10 + 70.104 MeV [12.251 MeV] (A_Dy:406)
158Dy66 + 4 D* --> 148Sm62 + 18O8 + 62.254 MeV [4.402 MeV] (A_Dy:407)
158Dy66 + 4 D* --> 149Sm62 + 17O8 + 60.082 MeV [2.229 MeV] (A_Dy:408)
158Dy66 + 4 D* --> 150Sm62 + 16O8 + 63.925 MeV [6.072 MeV] (A_Dy:409)
158Dy66 + 4 D* --> 151Eu63 + 15N7 + 56.688 MeV [-1.165 MeV] (A_Dy:410)
158Dy66 + 4 D* --> 154Gd64 + 12C6 + 55.844 MeV [-2.009 MeV] (A_Dy:411)
158Dy66 + 4 D* --> 162Er68 + 4He2 + 46.048 MeV [-11.804 MeV] (A_Dy:412)

158Dy66 + 5 D* --> 128Te52 + 40K19 + 117.794 MeV [44.722 MeV] (A_Dy:413)
158Dy66 + 5 D* --> 131Xe54 + 37Cl17 + 115.443 MeV [42.371 MeV] (A_Dy:414)
158Dy66 + 5 D* --> 137Ba56 + 31P15 + 107.429 MeV [34.357 MeV] (A_Dy:415)
158Dy66 + 5 D* --> 138La57 + 30Si14 + 106.224 MeV [33.152 MeV] (A_Dy:416)
158Dy66 + 5 D* --> 139La57 + 29Si14 + 104.393 MeV [31.321 MeV] (A_Dy:417)
158Dy66 + 5 D* --> 145Nd60 + 23Na11 + 86.233 MeV [13.162 MeV] (A_Dy:418)
158Dy66 + 5 D* --> 149Sm62 + 19F9 + 73.896 MeV [00.824 MeV] (A_Dy:419)

158Dy66 + 5 D* --> 151Eu63 + 17O8 + 70.734 MeV [-2.338 MeV] (A_Dy:420)
158Dy66 + 5 D* --> 154Gd64 + 14N7 + 66.116 MeV [-6.956 MeV] (A_Dy:421)
158Dy66 + 5 D* --> 158Dy66 + 10B5 + 53.628 MeV [-19.444 MeV] (A_Dy:422)
158Dy66 + 5 D* --> 162Er68 + 6Li3 + 47.522 MeV [-25.550 MeV] (A_Dy:423)

158Dy66 + 6 D* --> 86Kr36 + 84Kr36 + 174.099 MeV [85.510 MeV] (A_Dy:424)
158Dy66 + 6 D* --> 88Sr38 + 82Se34 + 173.918 MeV [85.329 MeV] (A_Dy:425)
158Dy66 + 6 D* --> 94Zr40 + 76Ge32 + 168.882 MeV [80.293 MeV] (A_Dy:426)
158Dy66 + 6 D* --> 96Zr40 + 74Ge32 + 167.267 MeV [78.679 MeV] (A_Dy:427)
158Dy66 + 6 D* --> 100Mo42 + 70Zn30 + 164.151 MeV [75.562 MeV] (A_Dy:428)
158Dy66 + 6 D* --> 116Cd48 + 54Cr24 + 154.054 MeV [65.465 MeV] (A_Dy:429)
158Dy66 + 6 D* --> 120Sn50 + 50Ti22 + 150.934 MeV [62.345 MeV] (A_Dy:430)
158Dy66 + 6 D* --> 122Sn50 + 48Ti22 + 146.836 MeV [58.247 MeV] (A_Dy:431)
158Dy66 + 6 D* --> 124Sn50 + 46Ti22 + 140.762 MeV [52.174 MeV] (A_Dy:432)
158Dy66 + 6 D* --> 122Te52 + 48Ca20 + 142.930 MeV [54.342 MeV] (A_Dy:433)
158Dy66 + 6 D* --> 124Te52 + 46Ca20 + 142.062 MeV [53.473 MeV] (A_Dy:434)
158Dy66 + 6 D* --> 126Te52 + 44Ca20 + 139.935 MeV [51.346 MeV] (A_Dy:435)
158Dy66 + 6 D* --> 128Te52 + 42Ca20 + 135.941 MeV [47.353 MeV] (A_Dy:436)
158Dy66 + 6 D* --> 130Te52 + 40Ca20 + 130.600 MeV [42.011 MeV] (A_Dy:437)
158Dy66 + 6 D* --> 130Xe54 + 40Ar18 + 133.324 MeV [44.735 MeV] (A_Dy:438)
158Dy66 + 6 D* --> 132Xe54 + 38Ar18 + 132.397 MeV [43.808 MeV] (A_Dy:439)
158Dy66 + 6 D* --> 134Xe54 + 36Ar18 + 126.758 MeV [38.169 MeV] (A_Dy:440)
158Dy66 + 6 D* --> 133Cs55 + 37Cl17 + 128.235 MeV [39.646 MeV] (A_Dy:441)
158Dy66 + 6 D* --> 134Ba56 + 36S16 + 128.016 MeV [39.427 MeV] (A_Dy:442)
158Dy66 + 6 D* --> 136Ba56 + 34S16 + 127.221 MeV [38.632 MeV] (A_Dy:443)
158Dy66 + 6 D* --> 137Ba56 + 33S16 + 122.709 MeV [34.121 MeV] (A_Dy:444)
158Dy66 + 6 D* --> 138Ba56 + 32S16 + 122.680 MeV [34.091 MeV] (A_Dy:445)
158Dy66 + 6 D* --> 139La57 + 31P15 + 120.074 MeV [31.486 MeV] (A_Dy:446)
158Dy66 + 6 D* --> 140Ce58 + 30Si14 + 120.918 MeV [32.330 MeV] (A_Dy:447)
158Dy66 + 6 D* --> 142Ce58 + 28Si14 + 114.433 MeV [25.845 MeV] (A_Dy:448)
158Dy66 + 6 D* --> 144Nd60 + 26Mg12 + 108.370 MeV [19.781 MeV] (A_Dy:449)
158Dy66 + 6 D* --> 145Nd60 + 25Mg12 + 103.032 MeV [14.443 MeV] (A_Dy:450)
158Dy66 + 6 D* --> 146Nd60 + 24Mg12 + 103.267 MeV [14.678 MeV] (A_Dy:451)
158Dy66 + 6 D* --> 148Sm62 + 22Ne10 + 95.769 MeV [7.180 MeV] (A_Dy:452)
158Dy66 + 6 D* --> 149Sm62 + 21Ne10 + 91.276 MeV [2.687 MeV] (A_Dy:453)
158Dy66 + 6 D* --> 150Sm62 + 20Ne10 + 92.501 MeV [3.913 MeV] (A_Dy:454)
158Dy66 + 6 D* --> 151Eu63 + 19F9 + 84.549 MeV [-4.040 MeV] (A_Dy:455)
158Dy66 + 6 D* --> 152Gd64 + 18O8 + 83.898 MeV [-4.691 MeV] (A_Dy:456)
158Dy66 + 6 D* --> 154Gd64 + 16O8 + 86.852 MeV [-1.736 MeV] (A_Dy:457)
158Dy66 + 6 D* --> 158Dy66 + 12C6 + 78.814 MeV [-9.775 MeV] (A_Dy:458)

158Dy66 + 7 D* --> 122Sn50 + 50V23 + 160.705 MeV [56.304 MeV] (A_Dy:459)
158Dy66 + 7 D* --> 123Sb51 + 49Ti22 + 159.321 MeV [54.919 MeV] (A_Dy:460)
158Dy66 + 7 D* --> 131Xe54 + 41K19 + 145.512 MeV [41.111 MeV] (A_Dy:461)
158Dy66 + 7 D* --> 132Xe54 + 40K19 + 144.354 MeV [39.952 MeV] (A_Dy:462)
158Dy66 + 7 D* --> 135Ba56 + 37Cl17 + 141.150 MeV [36.748 MeV] (A_Dy:463)
158Dy66 + 7 D* --> 137Ba56 + 35Cl17 + 138.273 MeV [33.871 MeV] (A_Dy:464)
158Dy66 + 7 D* --> 138La57 + 34S16 + 137.994 MeV [33.593 MeV] (A_Dy:465)
158Dy66 + 7 D* --> 139La57 + 33S16 + 135.355 MeV [30.954 MeV] (A_Dy:466)
158Dy66 + 7 D* --> 145Nd60 + 27Al13 + 120.172 MeV [15.770 MeV] (A_Dy:467)
158Dy66 + 7 D* --> 149Sm62 + 23Na11 + 108.210 MeV [3.808 MeV] (A_Dy:468)
158Dy66 + 7 D* --> 151Eu63 + 21Ne10 + 101.929 MeV [-2.473 MeV] (A_Dy:469)
158Dy66 + 7 D* --> 158Dy66 + 14N7 + 89.087 MeV [-15.315 MeV] (A_Dy:470)
158Dy66 + 7 D* --> 162Er68 + 10B5 + 75.830 MeV [-28.572 MeV] (A_Dy:471)

158Dy66 + 8 D* --> 87Rb37 + 87Rb37 + 203.869 MeV [83.361 MeV] (A_Dy:472)
158Dy66 + 8 D* --> 88Sr38 + 86Kr36 + 205.861 MeV [85.353 MeV] (A_Dy:473)
158Dy66 + 8 D* --> 92Zr40 + 82Se34 + 200.722 MeV [80.214 MeV] (A_Dy:474)
158Dy66 + 8 D* --> 94Zr40 + 80Se34 + 199.700 MeV [79.193 MeV] (A_Dy:475)
158Dy66 + 8 D* --> 96Zr40 + 78Se34 + 197.143 MeV [76.635 MeV] (A_Dy:476)
158Dy66 + 8 D* --> 98Mo42 + 76Ge32 + 195.998 MeV [75.491 MeV] (A_Dy:477)
158Dy66 + 8 D* --> 100Mo42 + 74Ge32 + 194.280 MeV [73.772 MeV] (A_Dy:478)
158Dy66 + 8 D* --> 104Ru44 + 70Zn30 + 192.327 MeV [71.819 MeV] (A_Dy:479)
158Dy66 + 8 D* --> 110Pd46 + 64Ni28 + 190.122 MeV [69.614 MeV] (A_Dy:480)
158Dy66 + 8 D* --> 116Cd48 + 58Fe26 + 185.546 MeV [65.039 MeV] (A_Dy:481)
158Dy66 + 8 D* --> 120Sn50 + 54Cr24 + 182.711 MeV [62.203 MeV] (A_Dy:482)
158Dy66 + 8 D* --> 122Sn50 + 52Cr24 + 180.037 MeV [59.529 MeV] (A_Dy:483)
158Dy66 + 8 D* --> 124Sn50 + 50Cr24 + 173.170 MeV [52.662 MeV] (A_Dy:484)
158Dy66 + 8 D* --> 123Sb51 + 51V23 + 176.099 MeV [55.591 MeV] (A_Dy:485)
158Dy66 + 8 D* --> 124Te52 + 50Ti22 + 176.625 MeV [56.117 MeV] (A_Dy:486)
158Dy66 + 8 D* --> 125Te52 + 49Ti22 + 172.255 MeV [51.747 MeV] (A_Dy:487)
158Dy66 + 8 D* --> 126Te52 + 48Ti22 + 173.226 MeV [52.718 MeV] (A_Dy:488)
158Dy66 + 8 D* --> 128Te52 + 46Ti22 + 167.789 MeV [47.281 MeV] (A_Dy:489)
158Dy66 + 8 D* --> 126Xe54 + 48Ca20 + 168.056 MeV [47.548 MeV] (A_Dy:490)
158Dy66 + 8 D* --> 128Xe54 + 46Ca20 + 167.669 MeV [47.161 MeV] (A_Dy:491)
158Dy66 + 8 D* --> 130Xe54 + 44Ca20 + 166.024 MeV [45.516 MeV] (A_Dy:492)
158Dy66 + 8 D* --> 131Xe54 + 43Ca20 + 161.498 MeV [40.990 MeV] (A_Dy:493)
158Dy66 + 8 D* --> 132Xe54 + 42Ca20 + 162.501 MeV [41.993 MeV] (A_Dy:494)
158Dy66 + 8 D* --> 134Xe54 + 40Ca20 + 157.644 MeV [37.137 MeV] (A_Dy:495)
158Dy66 + 8 D* --> 133Cs55 + 41K19 + 158.304 MeV [37.796 MeV] (A_Dy:496)
158Dy66 + 8 D* --> 134Ba56 + 40Ar18 + 158.663 MeV [38.156 MeV] (A_Dy:497)
158Dy66 + 8 D* --> 136Ba56 + 38Ar18 + 158.275 MeV [37.767 MeV] (A_Dy:498)
158Dy66 + 8 D* --> 138Ba56 + 36Ar18 + 153.167 MeV [32.659 MeV] (A_Dy:499)
158Dy66 + 8 D* --> 139La57 + 35Cl17 + 150.919 MeV [30.411 MeV] (A_Dy:500)
158Dy66 + 8 D* --> 138Ce58 + 36S16 + 152.906 MeV [32.398 MeV] (A_Dy:501)
158Dy66 + 8 D* --> 140Ce58 + 34S16 + 152.689 MeV [32.181 MeV] (A_Dy:502)
158Dy66 + 8 D* --> 142Ce58 + 32S16 + 145.228 MeV [24.720 MeV] (A_Dy:503)
158Dy66 + 8 D* --> 144Nd60 + 30Si14 + 142.860 MeV [22.352 MeV] (A_Dy:504)
158Dy66 + 8 D* --> 145Nd60 + 29Si14 + 138.006 MeV [17.498 MeV] (A_Dy:505)
158Dy66 + 8 D* --> 146Nd60 + 28Si14 + 137.098 MeV [16.590 MeV] (A_Dy:506)
158Dy66 + 8 D* --> 148Sm62 + 26Mg12 + 130.230 MeV [9.723 MeV] (A_Dy:507)
158Dy66 + 8 D* --> 149Sm62 + 25Mg12 + 125.008 MeV [4.500 MeV] (A_Dy:508)
158Dy66 + 8 D* --> 150Sm62 + 24Mg12 + 125.665 MeV [5.157 MeV] (A_Dy:509)
158Dy66 + 8 D* --> 151Eu63 + 23Na11 + 118.863 MeV [-1.645 MeV] (A_Dy:510)
158Dy66 + 8 D* --> 152Gd64 + 22Ne10 + 117.413 MeV [-3.095 MeV] (A_Dy:511)
158Dy66 + 8 D* --> 154Gd64 + 20Ne10 + 115.429 MeV [-5.079 MeV] (A_Dy:512)
158Dy66 + 8 D* --> 156Dy66 + 18O8 + 105.985 MeV [-14.523 MeV] (A_Dy:513)
158Dy66 + 8 D* --> 158Dy66 + 16O8 + 109.823 MeV [-10.685 MeV] (A_Dy:514)
158Dy66 + 8 D* --> 162Er68 + 12C6 + 101.016 MeV [-19.492 MeV] (A_Dy:515)

158Dy66 + 9 D* --> 123Sb51 + 53Cr24 + 192.318 MeV [55.412 MeV] (A_Dy:516)
158Dy66 + 9 D* --> 125Te52 + 51V23 + 189.033 MeV [52.127 MeV] (A_Dy:517)
158Dy66 + 9 D* --> 126Te52 + 50V23 + 187.096 MeV [50.190 MeV] (A_Dy:518)
158Dy66 + 9 D* --> 127I53 + 49Ti22 + 185.351 MeV [48.445 MeV] (A_Dy:519)
158Dy66 + 9 D* --> 131Xe54 + 45Sc21 + 177.292 MeV [40.386 MeV] (A_Dy:520)
158Dy66 + 9 D* --> 133Cs55 + 43Ca20 + 174.289 MeV [37.383 MeV] (A_Dy:521)
158Dy66 + 9 D* --> 135Ba56 + 41K19 + 171.219 MeV [34.313 MeV] (A_Dy:522)
158Dy66 + 9 D* --> 136Ba56 + 40K19 + 170.232 MeV [33.326 MeV] (A_Dy:523)

158Dy66 + 9 D* --> 137Ba56 + 39K19 + 169.338 MeV [32.432 MeV] (A_Dy:524)
158Dy66 + 9 D* --> 138La57 + 38Ar18 + 169.049 MeV [32.143 MeV] (A_Dy:525)
158Dy66 + 9 D* --> 145Nd60 + 31P15 + 153.687 MeV [16.781 MeV] (A_Dy:526)
158Dy66 + 9 D* --> 149Sm62 + 27Al13 + 142.148 MeV [5.242 MeV] (A_Dy:527)
158Dy66 + 9 D* --> 151Eu63 + 25Mg12 + 135.661 MeV [-1.245 MeV] (A_Dy:528)
158Dy66 + 9 D* --> 162Er68 + 14N7 + 111.289 MeV [-25.617 MeV] (A_Dy:529)

158Dy66 + 10 D* --> 92Zr40 + 86Kr36 + 232.665 MeV [79.071 MeV] (A_Dy:530)
158Dy66 + 10 D* --> 94Zr40 + 84Kr36 + 230.643 MeV [77.049 MeV] (A_Dy:531)
158Dy66 + 10 D* --> 96Zr40 + 82Kr36 + 226.977 MeV [73.384 MeV] (A_Dy:532)
158Dy66 + 10 D* --> 96Mo42 + 82Se34 + 227.330 MeV [73.736 MeV] (A_Dy:533)
158Dy66 + 10 D* --> 98Mo42 + 80Se34 + 226.817 MeV [73.223 MeV] (A_Dy:534)
158Dy66 + 10 D* --> 100Mo42 + 78Se34 + 224.156 MeV [70.562 MeV] (A_Dy:535)
158Dy66 + 10 D* --> 102Ru44 + 76Ge32 + 223.256 MeV [69.662 MeV] (A_Dy:536)
158Dy66 + 10 D* --> 104Ru44 + 74Ge32 + 222.456 MeV [68.863 MeV] (A_Dy:537)
158Dy66 + 10 D* --> 108Pd46 + 70Zn30 + 220.034 MeV [66.440 MeV] (A_Dy:538)
158Dy66 + 10 D* --> 110Pd46 + 68Zn30 + 219.302 MeV [65.708 MeV] (A_Dy:539)
158Dy66 + 10 D* --> 114Cd48 + 64Ni28 + 218.065 MeV [64.472 MeV] (A_Dy:540)
158Dy66 + 10 D* --> 116Cd48 + 62Ni28 + 216.411 MeV [62.817 MeV] (A_Dy:541)
158Dy66 + 10 D* --> 120Sn50 + 58Fe26 + 214.204 MeV [60.610 MeV] (A_Dy:542)
158Dy66 + 10 D* --> 122Sn50 + 56Fe26 + 211.496 MeV [57.903 MeV] (A_Dy:543)
158Dy66 + 10 D* --> 124Sn50 + 54Fe26 + 205.434 MeV [51.840 MeV] (A_Dy:544)
158Dy66 + 10 D* --> 123Sb51 + 55Mn25 + 207.880 MeV [54.286 MeV] (A_Dy:545)
158Dy66 + 10 D* --> 124Te52 + 54Cr24 + 208.402 MeV [54.808 MeV] (A_Dy:546)
158Dy66 + 10 D* --> 125Te52 + 53Cr24 + 205.252 MeV [51.658 MeV] (A_Dy:547)
158Dy66 + 10 D* --> 126Te52 + 52Cr24 + 206.427 MeV [52.833 MeV] (A_Dy:548)
158Dy66 + 10 D* --> 128Te52 + 50Cr24 + 200.197 MeV [46.603 MeV] (A_Dy:549)
158Dy66 + 10 D* --> 127I53 + 51V23 + 202.130 MeV [48.536 MeV] (A_Dy:550)
158Dy66 + 10 D* --> 128Xe54 + 50Ti22 + 202.232 MeV [48.638 MeV] (A_Dy:551)
158Dy66 + 10 D* --> 129Xe54 + 49Ti22 + 198.201 MeV [44.607 MeV] (A_Dy:552)
158Dy66 + 10 D* --> 130Xe54 + 48Ti22 + 199.315 MeV [45.721 MeV] (A_Dy:553)
158Dy66 + 10 D* --> 131Xe54 + 47Ti22 + 194.293 MeV [40.699 MeV] (A_Dy:554)
158Dy66 + 10 D* --> 132Xe54 + 46Ti22 + 194.349 MeV [40.755 MeV] (A_Dy:555)
158Dy66 + 10 D* --> 133Cs55 + 45Sc21 + 190.084 MeV [36.490 MeV] (A_Dy:556)
158Dy66 + 10 D* --> 130Ba56 + 48Ca20 + 192.421 MeV [38.827 MeV] (A_Dy:557)
158Dy66 + 10 D* --> 132Ba56 + 46Ca20 + 192.515 MeV [38.921 MeV] (A_Dy:558)
158Dy66 + 10 D* --> 134Ba56 + 44Ca20 + 191.363 MeV [37.770 MeV] (A_Dy:559)
158Dy66 + 10 D* --> 135Ba56 + 43Ca20 + 187.204 MeV [33.610 MeV] (A_Dy:560)
158Dy66 + 10 D* --> 136Ba56 + 42Ca20 + 188.379 MeV [34.785 MeV] (A_Dy:561)
158Dy66 + 10 D* --> 138Ba56 + 40Ca20 + 184.053 MeV [30.459 MeV] (A_Dy:562)
158Dy66 + 10 D* --> 138La57 + 40K19 + 181.005 MeV [27.411 MeV] (A_Dy:563)
158Dy66 + 10 D* --> 139La57 + 39K19 + 181.983 MeV [28.390 MeV] (A_Dy:564)
158Dy66 + 10 D* --> 138Ce58 + 40Ar18 + 183.554 MeV [29.960 MeV] (A_Dy:565)
158Dy66 + 10 D* --> 140Ce58 + 38Ar18 + 183.743 MeV [30.149 MeV] (A_Dy:566)
158Dy66 + 10 D* --> 142Ce58 + 36Ar18 + 175.715 MeV [22.121 MeV] (A_Dy:567)
158Dy66 + 10 D* --> 141Pr59 + 37Cl17 + 178.728 MeV [25.134 MeV] (A_Dy:568)
158Dy66 + 10 D* --> 142Nd60 + 36S16 + 177.564 MeV [23.971 MeV] (A_Dy:569)
158Dy66 + 10 D* --> 144Nd60 + 34S16 + 174.630 MeV [21.036 MeV] (A_Dy:570)
158Dy66 + 10 D* --> 145Nd60 + 33S16 + 168.968 MeV [15.374 MeV] (A_Dy:571)
158Dy66 + 10 D* --> 146Nd60 + 32S16 + 167.892 MeV [14.298 MeV] (A_Dy:572)
158Dy66 + 10 D* --> 148Sm62 + 30Si14 + 164.720 MeV [11.126 MeV] (A_Dy:573)
158Dy66 + 10 D* --> 149Sm62 + 29Si14 + 159.982 MeV [6.388 MeV] (A_Dy:574)
158Dy66 + 10 D* --> 150Sm62 + 28Si14 + 159.495 MeV [5.901 MeV] (A_Dy:575)
158Dy66 + 10 D* --> 151Eu63 + 27Al13 + 152.801 MeV [-0.793 MeV] (A_Dy:576)

158Dy66 + 10 D* --> 152Gd64 + 26Mg12 + 151.874 MeV [-1.720 MeV] (A_Dy:577)
158Dy66 + 10 D* --> 154Gd64 + 24Mg12 + 148.592 MeV [-5.002 MeV] (A_Dy:578)
158Dy66 + 10 D* --> 156Dy66 + 22Ne10 + 139.500 MeV [-14.094 MeV] (A_Dy:579)
158Dy66 + 10 D* --> 158Dy66 + 20Ne10 + 138.399 MeV [-15.195 MeV] (A_Dy:580)
158Dy66 + 10 D* --> 162Er68 + 16O8 + 132.025 MeV [-21.569 MeV] (A_Dy:581)

158Dy66 + 11 D* --> 123Sb51 + 57Fe26 + 223.485 MeV [52.916 MeV] (A_Dy:582)
158Dy66 + 11 D* --> 125Te52 + 55Mn25 + 220.814 MeV [50.244 MeV] (A_Dy:583)
158Dy66 + 11 D* --> 127I53 + 53Cr24 + 218.349 MeV [47.779 MeV] (A_Dy:584)
158Dy66 + 11 D* --> 129Xe54 + 51V23 + 214.980 MeV [44.410 MeV] (A_Dy:585)
158Dy66 + 11 D* --> 130Xe54 + 50V23 + 213.184 MeV [42.615 MeV] (A_Dy:586)
158Dy66 + 11 D* --> 133Cs55 + 47Ti22 + 207.084 MeV [36.515 MeV] (A_Dy:587)
158Dy66 + 11 D* --> 135Ba56 + 45Sc21 + 202.999 MeV [32.430 MeV] (A_Dy:588)
158Dy66 + 11 D* --> 138La57 + 42Ca20 + 199.153 MeV [28.583 MeV] (A_Dy:589)
158Dy66 + 11 D* --> 140Ce58 + 40K19 + 195.699 MeV [25.130 MeV] (A_Dy:590)
158Dy66 + 11 D* --> 143Nd60 + 37Cl17 + 189.850 MeV [19.280 MeV] (A_Dy:591)
158Dy66 + 11 D* --> 145Nd60 + 35Cl17 + 184.532 MeV [13.962 MeV] (A_Dy:592)
158Dy66 + 11 D* --> 149Sm62 + 31P15 + 175.664 MeV [5.094 MeV] (A_Dy:593)
158Dy66 + 11 D* --> 151Eu63 + 29Si14 + 170.635 MeV [00.066 MeV] (A_Dy:594)

158Dy66 + 12 D* --> 94Zr40 + 88Sr38 + 262.405 MeV [74.574 MeV] (A_Dy:595)
158Dy66 + 12 D* --> 96Zr40 + 86Sr38 + 257.183 MeV [69.352 MeV] (A_Dy:596)
158Dy66 + 12 D* --> 96Mo42 + 86Kr36 + 259.273 MeV [71.442 MeV] (A_Dy:597)
158Dy66 + 12 D* --> 98Mo42 + 84Kr36 + 257.759 MeV [69.928 MeV] (A_Dy:598)
158Dy66 + 12 D* --> 100Mo42 + 82Kr36 + 253.990 MeV [66.159 MeV] (A_Dy:599)
158Dy66 + 12 D* --> 100Ru44 + 82Se34 + 254.030 MeV [66.199 MeV] (A_Dy:600)
158Dy66 + 12 D* --> 102Ru44 + 80Se34 + 254.075 MeV [66.244 MeV] (A_Dy:601)
158Dy66 + 12 D* --> 104Ru44 + 78Se34 + 252.332 MeV [64.500 MeV] (A_Dy:602)
158Dy66 + 12 D* --> 106Pd46 + 76Ge32 + 250.332 MeV [62.501 MeV] (A_Dy:603)
158Dy66 + 12 D* --> 108Pd46 + 74Ge32 + 250.163 MeV [62.332 MeV] (A_Dy:604)
158Dy66 + 12 D* --> 110Pd46 + 72Ge32 + 248.152 MeV [60.321 MeV] (A_Dy:605)
158Dy66 + 12 D* --> 112Cd48 + 70Zn30 + 247.362 MeV [59.531 MeV] (A_Dy:606)
158Dy66 + 12 D* --> 114Cd48 + 68Zn30 + 247.245 MeV [59.414 MeV] (A_Dy:607)
158Dy66 + 12 D* --> 116Cd48 + 66Zn30 + 244.835 MeV [57.004 MeV] (A_Dy:608)
158Dy66 + 12 D* --> 118Sn50 + 64Ni28 + 245.972 MeV [58.141 MeV] (A_Dy:609)
158Dy66 + 12 D* --> 120Sn50 + 62Ni28 + 245.068 MeV [57.237 MeV] (A_Dy:610)
158Dy66 + 12 D* --> 122Sn50 + 60Ni28 + 241.635 MeV [53.804 MeV] (A_Dy:611)
158Dy66 + 12 D* --> 124Sn50 + 58Ni28 + 235.681 MeV [47.850 MeV] (A_Dy:612)
158Dy66 + 12 D* --> 123Sb51 + 59Co27 + 238.669 MeV [50.838 MeV] (A_Dy:613)
158Dy66 + 12 D* --> 124Te52 + 58Fe26 + 239.895 MeV [52.063 MeV] (A_Dy:614)
158Dy66 + 12 D* --> 125Te52 + 57Fe26 + 236.419 MeV [48.588 MeV] (A_Dy:615)
158Dy66 + 12 D* --> 126Te52 + 56Fe26 + 237.886 MeV [50.055 MeV] (A_Dy:616)
158Dy66 + 12 D* --> 128Te52 + 54Fe26 + 232.461 MeV [44.630 MeV] (A_Dy:617)
158Dy66 + 12 D* --> 127I53 + 55Mn25 + 233.910 MeV [46.079 MeV] (A_Dy:618)
158Dy66 + 12 D* --> 128Xe54 + 54Cr24 + 234.009 MeV [46.178 MeV] (A_Dy:619)
158Dy66 + 12 D* --> 129Xe54 + 53Cr24 + 231.199 MeV [43.368 MeV] (A_Dy:620)
158Dy66 + 12 D* --> 130Xe54 + 52Cr24 + 232.515 MeV [44.684 MeV] (A_Dy:621)
158Dy66 + 12 D* --> 132Xe54 + 50Cr24 + 226.757 MeV [38.926 MeV] (A_Dy:622)
158Dy66 + 12 D* --> 132Ba56 + 50Ti22 + 227.078 MeV [39.247 MeV] (A_Dy:623)
158Dy66 + 12 D* --> 134Ba56 + 48Ti22 + 224.654 MeV [36.823 MeV] (A_Dy:624)
158Dy66 + 12 D* --> 135Ba56 + 47Ti22 + 219.999 MeV [32.168 MeV] (A_Dy:625)
158Dy66 + 12 D* --> 136Ba56 + 46Ti22 + 220.227 MeV [32.396 MeV] (A_Dy:626)
158Dy66 + 12 D* --> 136Ce58 + 46Ca20 + 216.820 MeV [28.989 MeV] (A_Dy:627)
158Dy66 + 12 D* --> 138Ce58 + 44Ca20 + 216.254 MeV [28.423 MeV] (A_Dy:628)

158Dy66 + 12 D* --> 140Ce58 + 42Ca20 + 213.847 MeV [26.016 MeV] (A_Dy:629)
158Dy66 + 12 D* --> 142Ce58 + 40Ca20 + 206.601 MeV [18.770 MeV] (A_Dy:630)
158Dy66 + 12 D* --> 141Pr59 + 41K19 + 208.797 MeV [20.965 MeV] (A_Dy:631)
158Dy66 + 12 D* --> 142Nd60 + 40Ar18 + 208.212 MeV [20.381 MeV] (A_Dy:632)
158Dy66 + 12 D* --> 144Nd60 + 38Ar18 + 205.684 MeV [17.853 MeV] (A_Dy:633)
158Dy66 + 12 D* --> 146Nd60 + 36Ar18 + 198.379 MeV [10.548 MeV] (A_Dy:634)
158Dy66 + 12 D* --> 148Sm62 + 34S16 + 196.491 MeV [8.659 MeV] (A_Dy:635)
158Dy66 + 12 D* --> 149Sm62 + 33S16 + 190.944 MeV [3.113 MeV] (A_Dy:636)
158Dy66 + 12 D* --> 150Sm62 + 32S16 + 190.290 MeV [2.459 MeV] (A_Dy:637)
158Dy66 + 12 D* --> 151Eu63 + 31P15 + 186.317 MeV [-1.514 MeV] (A_Dy:638)
158Dy66 + 12 D* --> 152Gd64 + 30Si14 + 186.364 MeV [-1.467 MeV] (A_Dy:639)
158Dy66 + 12 D* --> 154Gd64 + 28Si14 + 182.423 MeV [-5.408 MeV] (A_Dy:640)
158Dy66 + 12 D* --> 156Dy66 + 26Mg12 + 173.961 MeV [-13.870 MeV] (A_Dy:641)
158Dy66 + 12 D* --> 158Dy66 + 24Mg12 + 171.562 MeV [-16.269 MeV] (A_Dy:642)
158Dy66 + 12 D* --> 162Er68 + 20Ne10 + 160.601 MeV [-27.230 MeV] (A_Dy:643)

160Dy66 + D* --> 148Nd60 + 14N7 + 18.008 MeV [4.060 MeV] (A_Dy:644)
160Dy66 + D* --> 152Sm62 + 10B5 + 6.176 MeV [-7.772 MeV] (A_Dy:645)
160Dy66 + D* --> 153Eu63 + 9Be4 + 5.483 MeV [-8.464 MeV] (A_Dy:646)
160Dy66 + D* --> 155Gd64 + 7Li3 + 00.627 MeV [-13.321 MeV] (A_Dy:647)
160Dy66 + D* --> 156Gd64 + 6Li3 + 1.913 MeV [-12.034 MeV] (A_Dy:648)
160Dy66 + D* --> 161Dy66 + 1H1 + 4.230 MeV [-9.718 MeV] (A_Dy:649)

160Dy66 + 2 D* --> 82Se34 + 82Se34 + 111.781 MeV [83.580 MeV] (A_Dy:650)
160Dy66 + 2 D* --> 116Cd48 + 48Ca20 + 89.527 MeV [61.325 MeV] (A_Dy:651)
160Dy66 + 2 D* --> 124Sn50 + 40Ar18 + 79.870 MeV [51.668 MeV] (A_Dy:652)
160Dy66 + 2 D* --> 128Te52 + 36S16 + 76.250 MeV [48.048 MeV] (A_Dy:653)
160Dy66 + 2 D* --> 130Te52 + 34S16 + 73.877 MeV [45.675 MeV] (A_Dy:654)
160Dy66 + 2 D* --> 134Xe54 + 30Si14 + 69.151 MeV [40.949 MeV] (A_Dy:655)
160Dy66 + 2 D* --> 136Xe54 + 28Si14 + 64.511 MeV [36.310 MeV] (A_Dy:656)
160Dy66 + 2 D* --> 138Ba56 + 26Mg12 + 61.070 MeV [32.868 MeV] (A_Dy:657)
160Dy66 + 2 D* --> 142Ce58 + 22Ne10 + 49.157 MeV [20.955 MeV] (A_Dy:658)
160Dy66 + 2 D* --> 146Nd60 + 18O8 + 38.306 MeV [10.104 MeV] (A_Dy:659)
160Dy66 + 2 D* --> 148Nd60 + 16O8 + 38.744 MeV [10.542 MeV] (A_Dy:660)
160Dy66 + 2 D* --> 152Sm62 + 12C6 + 31.362 MeV [3.160 MeV] (A_Dy:661)
160Dy66 + 2 D* --> 153Eu63 + 11B5 + 21.299 MeV [-6.903 MeV] (A_Dy:662)
160Dy66 + 2 D* --> 155Gd64 + 9Be4 + 17.323 MeV [-10.879 MeV] (A_Dy:663)
160Dy66 + 2 D* --> 160Dy66 + 4He2 + 23.847 MeV [-4.355 MeV] (A_Dy:664)
160Dy66 + 2 D* --> 161Dy66 + 3He2 + 9.723 MeV [-18.478 MeV] (A_Dy:665)
160Dy66 + 2 D* --> 164Er68 + 22.543 MeV [-5.659 MeV] (A_Dy:666)

160Dy66 + 3 D* --> 152Sm62 + 14N7 + 41.634 MeV [-1.126 MeV] (A_Dy:667)
160Dy66 + 3 D* --> 153Eu63 + 13C6 + 39.978 MeV [-2.783 MeV] (A_Dy:668)
160Dy66 + 3 D* --> 155Gd64 + 11B5 + 33.138 MeV [-9.623 MeV] (A_Dy:669)
160Dy66 + 3 D* --> 156Gd64 + 10B5 + 30.221 MeV [-12.540 MeV] (A_Dy:670)
160Dy66 + 3 D* --> 160Dy66 + 6Li3 + 25.320 MeV [-17.441 MeV] (A_Dy:671)
160Dy66 + 3 D* --> 164Er68 + 2H1 + 22.543 MeV [-20.218 MeV] (A_Dy:672)

160Dy66 + 4 D* --> 86Kr36 + 82Se34 + 143.724 MeV [86.102 MeV] (A_Dy:673)
160Dy66 + 4 D* --> 120Sn50 + 48Ca20 + 118.184 MeV [60.562 MeV] (A_Dy:674)
160Dy66 + 4 D* --> 122Sn50 + 46Ca20 + 115.946 MeV [58.323 MeV] (A_Dy:675)
160Dy66 + 4 D* --> 124Sn50 + 44Ca20 + 112.570 MeV [54.948 MeV] (A_Dy:676)
160Dy66 + 4 D* --> 128Te52 + 40Ar18 + 106.897 MeV [49.274 MeV] (A_Dy:677)
160Dy66 + 4 D* --> 130Te52 + 38Ar18 + 104.931 MeV [47.308 MeV] (A_Dy:678)

160Dy66 + 4 D* --> 132Xe54 + 36S16 + 102.809 MeV [45.187 MeV] (A_Dy:679)
160Dy66 + 4 D* --> 134Xe54 + 34S16 + 100.921 MeV [43.299 MeV] (A_Dy:680)
160Dy66 + 4 D* --> 136Xe54 + 32S16 + 95.306 MeV [37.683 MeV] (A_Dy:681)
160Dy66 + 4 D* --> 138Ba56 + 30Si14 + 95.559 MeV [37.937 MeV] (A_Dy:682)
160Dy66 + 4 D* --> 142Ce58 + 26Mg12 + 83.618 MeV [25.995 MeV] (A_Dy:683)
160Dy66 + 4 D* --> 146Nd60 + 22Ne10 + 71.821 MeV [14.198 MeV] (A_Dy:684)
160Dy66 + 4 D* --> 148Nd60 + 20Ne10 + 67.320 MeV [9.698 MeV] (A_Dy:685)
160Dy66 + 4 D* --> 150Sm62 + 18O8 + 60.704 MeV [3.081 MeV] (A_Dy:686)
160Dy66 + 4 D* --> 152Sm62 + 16O8 + 62.371 MeV [4.748 MeV] (A_Dy:687)
160Dy66 + 4 D* --> 153Eu63 + 15N7 + 56.137 MeV [-1.486 MeV] (A_Dy:688)
160Dy66 + 4 D* --> 155Gd64 + 13C6 + 51.817 MeV [-5.806 MeV] (A_Dy:689)
160Dy66 + 4 D* --> 156Gd64 + 12C6 + 55.407 MeV [-2.215 MeV] (A_Dy:690)
160Dy66 + 4 D* --> 164Er68 + 4He2 + 46.389 MeV [-11.233 MeV] (A_Dy:691)
160Dy66 + 4 D* --> 168Yb70 + 44.439 MeV [-13.183 MeV] (A_Dy:692)

160Dy66 + 5 D* --> 130Te52 + 40K19 + 116.887 MeV [44.103 MeV] (A_Dy:693)
160Dy66 + 5 D* --> 153Eu63 + 17O8 + 70.183 MeV [-2.601 MeV] (A_Dy:694)
160Dy66 + 5 D* --> 155Gd64 + 15N7 + 67.976 MeV [-4.808 MeV] (A_Dy:695)
160Dy66 + 5 D* --> 156Gd64 + 14N7 + 65.679 MeV [-7.105 MeV] (A_Dy:696)
160Dy66 + 5 D* --> 160Dy66 + 10B5 + 53.628 MeV [-19.156 MeV] (A_Dy:697)
160Dy66 + 5 D* --> 164Er68 + 6Li3 + 47.863 MeV [-24.921 MeV] (A_Dy:698)
160Dy66 + 5 D* --> 168Yb70 + 2H1 + 44.439 MeV [-28.345 MeV] (A_Dy:699)

160Dy66 + 6 D* --> 86Kr36 + 86Kr36 + 175.667 MeV [87.423 MeV] (A_Dy:700)
160Dy66 + 6 D* --> 96Zr40 + 76Ge32 + 167.792 MeV [79.548 MeV] (A_Dy:701)
160Dy66 + 6 D* --> 122Sn50 + 50Ti22 + 150.509 MeV [62.265 MeV] (A_Dy:702)
160Dy66 + 6 D* --> 124Sn50 + 48Ti22 + 145.861 MeV [57.617 MeV] (A_Dy:703)
160Dy66 + 6 D* --> 124Te52 + 48Ca20 + 143.875 MeV [55.631 MeV] (A_Dy:704)
160Dy66 + 6 D* --> 126Te52 + 46Ca20 + 142.336 MeV [54.092 MeV] (A_Dy:705)
160Dy66 + 6 D* --> 128Te52 + 44Ca20 + 139.597 MeV [51.353 MeV] (A_Dy:706)
160Dy66 + 6 D* --> 130Te52 + 42Ca20 + 135.035 MeV [46.791 MeV] (A_Dy:707)
160Dy66 + 6 D* --> 132Xe54 + 40Ar18 + 133.457 MeV [45.212 MeV] (A_Dy:708)
160Dy66 + 6 D* --> 134Xe54 + 38Ar18 + 131.975 MeV [43.731 MeV] (A_Dy:709)
160Dy66 + 6 D* --> 136Xe54 + 36Ar18 + 125.793 MeV [37.549 MeV] (A_Dy:710)
160Dy66 + 6 D* --> 136Ba56 + 36S16 + 128.687 MeV [40.443 MeV] (A_Dy:711)
160Dy66 + 6 D* --> 138Ba56 + 34S16 + 127.330 MeV [39.086 MeV] (A_Dy:712)
160Dy66 + 6 D* --> 142Ce58 + 30Si14 + 118.108 MeV [29.864 MeV] (A_Dy:713)
160Dy66 + 6 D* --> 146Nd60 + 26Mg12 + 106.282 MeV [18.038 MeV] (A_Dy:714)
160Dy66 + 6 D* --> 148Nd60 + 24Mg12 + 100.483 MeV [12.239 MeV] (A_Dy:715)
160Dy66 + 6 D* --> 150Sm62 + 22Ne10 + 94.218 MeV [5.974 MeV] (A_Dy:716)
160Dy66 + 6 D* --> 152Sm62 + 20Ne10 + 90.947 MeV [2.703 MeV] (A_Dy:717)
160Dy66 + 6 D* --> 153Eu63 + 19F9 + 83.997 MeV [-4.247 MeV] (A_Dy:718)
160Dy66 + 6 D* --> 154Gd64 + 18O8 + 83.631 MeV [-4.613 MeV] (A_Dy:719)
160Dy66 + 6 D* --> 155Gd64 + 17O8 + 82.022 MeV [-6.222 MeV] (A_Dy:720)
160Dy66 + 6 D* --> 156Gd64 + 16O8 + 86.415 MeV [-1.829 MeV] (A_Dy:721)
160Dy66 + 6 D* --> 160Dy66 + 12C6 + 78.814 MeV [-9.430 MeV] (A_Dy:722)
160Dy66 + 6 D* --> 168Yb70 + 4He2 + 68.286 MeV [-19.958 MeV] (A_Dy:723)

160Dy66 + 7 D* --> 124Sn50 + 50V23 + 159.730 MeV [55.730 MeV] (A_Dy:724)
160Dy66 + 7 D* --> 134Xe54 + 40K19 + 143.932 MeV [39.932 MeV] (A_Dy:725)
160Dy66 + 7 D* --> 137Ba56 + 37Cl17 + 141.755 MeV [37.755 MeV] (A_Dy:726)
160Dy66 + 7 D* --> 138La57 + 36S16 + 139.461 MeV [35.461 MeV] (A_Dy:727)
160Dy66 + 7 D* --> 153Eu63 + 21Ne10 + 101.377 MeV [-2.623 MeV] (A_Dy:728)
160Dy66 + 7 D* --> 155Gd64 + 19F9 + 95.836 MeV [-8.163 MeV] (A_Dy:729)

160Dy66 + 7 D* --> 160Dy66 + 14N7 + 89.087 MeV [-14.913 MeV] (A_Dy:730)
160Dy66 + 7 D* --> 164Er68 + 10B5 + 76.171 MeV [-27.829 MeV] (A_Dy:731)
160Dy66 + 7 D* --> 168Yb70 + 6Li3 + 69.760 MeV [-34.240 MeV] (A_Dy:732)

160Dy66 + 8 D* --> 94Zr40 + 82Se34 + 200.269 MeV [80.219 MeV] (A_Dy:733)
160Dy66 + 8 D* --> 96Zr40 + 80Se34 + 198.610 MeV [78.561 MeV] (A_Dy:734)
160Dy66 + 8 D* --> 100Mo42 + 76Ge32 + 194.805 MeV [74.755 MeV] (A_Dy:735)
160Dy66 + 8 D* --> 122Sn50 + 54Cr24 + 182.286 MeV [62.237 MeV] (A_Dy:736)
160Dy66 + 8 D* --> 124Sn50 + 52Cr24 + 179.061 MeV [59.012 MeV] (A_Dy:737)
160Dy66 + 8 D* --> 126Te52 + 50Ti22 + 176.899 MeV [56.849 MeV] (A_Dy:738)
160Dy66 + 8 D* --> 128Te52 + 48Ti22 + 172.888 MeV [52.838 MeV] (A_Dy:739)
160Dy66 + 8 D* --> 130Te52 + 46Ti22 + 166.883 MeV [46.833 MeV] (A_Dy:740)
160Dy66 + 8 D* --> 128Xe54 + 48Ca20 + 169.482 MeV [49.432 MeV] (A_Dy:741)
160Dy66 + 8 D* --> 130Xe54 + 46Ca20 + 168.425 MeV [48.375 MeV] (A_Dy:742)
160Dy66 + 8 D* --> 132Xe54 + 44Ca20 + 166.157 MeV [46.107 MeV] (A_Dy:743)
160Dy66 + 8 D* --> 134Xe54 + 42Ca20 + 162.079 MeV [42.030 MeV] (A_Dy:744)
160Dy66 + 8 D* --> 136Xe54 + 40Ca20 + 156.679 MeV [36.629 MeV] (A_Dy:745)
160Dy66 + 8 D* --> 136Ba56 + 40Ar18 + 159.335 MeV [39.285 MeV] (A_Dy:746)
160Dy66 + 8 D* --> 138Ba56 + 38Ar18 + 158.384 MeV [38.334 MeV] (A_Dy:747)
160Dy66 + 8 D* --> 139La57 + 37Cl17 + 154.401 MeV [34.351 MeV] (A_Dy:748)
160Dy66 + 8 D* --> 140Ce58 + 36S16 + 154.155 MeV [34.105 MeV] (A_Dy:749)
160Dy66 + 8 D* --> 142Ce58 + 34S16 + 149.878 MeV [29.828 MeV] (A_Dy:750)
160Dy66 + 8 D* --> 146Nd60 + 30Si14 + 140.772 MeV [20.722 MeV] (A_Dy:751)
160Dy66 + 8 D* --> 148Nd60 + 28Si14 + 134.314 MeV [14.264 MeV] (A_Dy:752)
160Dy66 + 8 D* --> 150Sm62 + 26Mg12 + 128.680 MeV [8.630 MeV] (A_Dy:753)
160Dy66 + 8 D* --> 152Sm62 + 24Mg12 + 124.110 MeV [4.060 MeV] (A_Dy:754)
160Dy66 + 8 D* --> 153Eu63 + 23Na11 + 118.311 MeV [-1.739 MeV] (A_Dy:755)
160Dy66 + 8 D* --> 154Gd64 + 22Ne10 + 117.146 MeV [-2.904 MeV] (A_Dy:756)
160Dy66 + 8 D* --> 155Gd64 + 21Ne10 + 113.217 MeV [-6.833 MeV] (A_Dy:757)
160Dy66 + 8 D* --> 156Gd64 + 20Ne10 + 114.992 MeV [-5.058 MeV] (A_Dy:758)
160Dy66 + 8 D* --> 158Dy66 + 18O8 + 106.601 MeV [-13.448 MeV] (A_Dy:759)
160Dy66 + 8 D* --> 160Dy66 + 16O8 + 109.823 MeV [-10.227 MeV] (A_Dy:760)
160Dy66 + 8 D* --> 164Er68 + 12C6 + 101.357 MeV [-18.692 MeV] (A_Dy:761)

160Dy66 + 9 D* --> 128Te52 + 50V23 + 186.757 MeV [50.366 MeV] (A_Dy:762)
160Dy66 + 9 D* --> 137Ba56 + 41K19 + 171.824 MeV [35.432 MeV] (A_Dy:763)
160Dy66 + 9 D* --> 138Ba56 + 40K19 + 170.340 MeV [33.949 MeV] (A_Dy:764)
160Dy66 + 9 D* --> 138La57 + 40Ar18 + 170.108 MeV [33.717 MeV] (A_Dy:765)
160Dy66 + 9 D* --> 153Eu63 + 25Mg12 + 135.110 MeV [-1.282 MeV] (A_Dy:766)
160Dy66 + 9 D* --> 155Gd64 + 23Na11 + 130.150 MeV [-6.241 MeV] (A_Dy:767)
160Dy66 + 9 D* --> 164Er68 + 14N7 + 111.630 MeV [-24.762 MeV] (A_Dy:768)
160Dy66 + 9 D* --> 168Yb70 + 10B5 + 98.067 MeV [-38.324 MeV] (A_Dy:769)

160Dy66 + 10 D* --> 94Zr40 + 86Kr36 + 232.212 MeV [79.189 MeV] (A_Dy:770)
160Dy66 + 10 D* --> 96Zr40 + 84Kr36 + 229.553 MeV [76.530 MeV] (A_Dy:771)
160Dy66 + 10 D* --> 98Mo42 + 82Se34 + 227.385 MeV [74.362 MeV] (A_Dy:772)
160Dy66 + 10 D* --> 100Mo42 + 80Se34 + 225.623 MeV [72.601 MeV] (A_Dy:773)
160Dy66 + 10 D* --> 104Ru44 + 76Ge32 + 222.981 MeV [69.958 MeV] (A_Dy:774)
160Dy66 + 10 D* --> 110Pd46 + 70Zn30 + 219.593 MeV [66.570 MeV] (A_Dy:775)
160Dy66 + 10 D* --> 116Cd48 + 64Ni28 + 217.498 MeV [64.475 MeV] (A_Dy:776)
160Dy66 + 10 D* --> 122Sn50 + 58Fe26 + 213.779 MeV [60.756 MeV] (A_Dy:777)
160Dy66 + 10 D* --> 124Sn50 + 56Fe26 + 210.521 MeV [57.498 MeV] (A_Dy:778)
160Dy66 + 10 D* --> 126Te52 + 54Cr24 + 208.676 MeV [55.653 MeV] (A_Dy:779)
160Dy66 + 10 D* --> 128Te52 + 52Cr24 + 206.088 MeV [53.065 MeV] (A_Dy:780)

160Dy66 + 10 D* --> 130Te52 + 50Cr24 + 199.290 MeV [46.267 MeV] (A_Dy:781)
160Dy66 + 10 D* --> 130Xe54 + 50Ti22 + 202.988 MeV [49.965 MeV] (A_Dy:782)
160Dy66 + 10 D* --> 131Xe54 + 49Ti22 + 198.653 MeV [45.630 MeV] (A_Dy:783)
160Dy66 + 10 D* --> 132Xe54 + 48Ti22 + 199.447 MeV [46.425 MeV] (A_Dy:784)
160Dy66 + 10 D* --> 134Xe54 + 46Ti22 + 193.927 MeV [40.904 MeV] (A_Dy:785)
160Dy66 + 10 D* --> 132Ba56 + 48Ca20 + 194.328 MeV [41.305 MeV] (A_Dy:786)
160Dy66 + 10 D* --> 134Ba56 + 46Ca20 + 193.764 MeV [40.741 MeV] (A_Dy:787)
160Dy66 + 10 D* --> 136Ba56 + 44Ca20 + 192.035 MeV [39.012 MeV] (A_Dy:788)
160Dy66 + 10 D* --> 137Ba56 + 43Ca20 + 187.809 MeV [34.786 MeV] (A_Dy:789)
160Dy66 + 10 D* --> 138Ba56 + 42Ca20 + 188.488 MeV [35.465 MeV] (A_Dy:790)
160Dy66 + 10 D* --> 139La57 + 41K19 + 184.470 MeV [31.447 MeV] (A_Dy:791)
160Dy66 + 10 D* --> 140Ce58 + 40Ar18 + 184.802 MeV [31.779 MeV] (A_Dy:792)
160Dy66 + 10 D* --> 142Ce58 + 38Ar18 + 180.932 MeV [27.909 MeV] (A_Dy:793)
160Dy66 + 10 D* --> 144Nd60 + 36S16 + 176.096 MeV [23.074 MeV] (A_Dy:794)
160Dy66 + 10 D* --> 146Nd60 + 34S16 + 172.542 MeV [19.519 MeV] (A_Dy:795)
160Dy66 + 10 D* --> 148Nd60 + 32S16 + 165.108 MeV [12.085 MeV] (A_Dy:796)
160Dy66 + 10 D* --> 150Sm62 + 30Si14 + 163.169 MeV [10.147 MeV] (A_Dy:797)
160Dy66 + 10 D* --> 152Sm62 + 28Si14 + 157.941 MeV [4.918 MeV] (A_Dy:798)
160Dy66 + 10 D* --> 153Eu63 + 27Al13 + 152.249 MeV [-0.774 MeV] (A_Dy:799)
160Dy66 + 10 D* --> 154Gd64 + 26Mg12 + 151.607 MeV [-1.416 MeV] (A_Dy:800)
160Dy66 + 10 D* --> 155Gd64 + 25Mg12 + 146.949 MeV [-6.074 MeV] (A_Dy:801)
160Dy66 + 10 D* --> 156Gd64 + 24Mg12 + 148.155 MeV [-4.868 MeV] (A_Dy:802)
160Dy66 + 10 D* --> 158Dy66 + 22Ne10 + 140.116 MeV [-12.907 MeV] (A_Dy:803)
160Dy66 + 10 D* --> 160Dy66 + 20Ne10 + 138.399 MeV [-14.624 MeV] (A_Dy:804)
160Dy66 + 10 D* --> 162Er68 + 18O8 + 128.803 MeV [-24.220 MeV] (A_Dy:805)
160Dy66 + 10 D* --> 164Er68 + 16O8 + 132.366 MeV [-20.657 MeV] (A_Dy:806)
160Dy66 + 10 D* --> 168Yb70 + 12C6 + 123.254 MeV [-29.769 MeV] (A_Dy:807)

160Dy66 + 11 D* --> 131Xe54 + 51V23 + 215.431 MeV [45.489 MeV] (A_Dy:808)
160Dy66 + 11 D* --> 132Xe54 + 50V23 + 213.317 MeV [43.375 MeV] (A_Dy:809)
160Dy66 + 11 D* --> 133Cs55 + 49Ti22 + 211.445 MeV [41.502 MeV] (A_Dy:810)
160Dy66 + 11 D* --> 137Ba56 + 45Sc21 + 203.604 MeV [33.662 MeV] (A_Dy:811)
160Dy66 + 11 D* --> 138La57 + 44Ca20 + 202.808 MeV [32.866 MeV] (A_Dy:812)
160Dy66 + 11 D* --> 139La57 + 43Ca20 + 200.455 MeV [30.513 MeV] (A_Dy:813)
160Dy66 + 11 D* --> 142Ce58 + 40K19 + 192.889 MeV [22.946 MeV] (A_Dy:814)
160Dy66 + 11 D* --> 145Nd60 + 37Cl17 + 188.014 MeV [18.071 MeV] (A_Dy:815)
160Dy66 + 11 D* --> 153Eu63 + 29Si14 + 170.083 MeV [00.141 MeV] (A_Dy:816)
160Dy66 + 11 D* --> 155Gd64 + 27Al13 + 164.089 MeV [-5.854 MeV] (A_Dy:817)
160Dy66 + 11 D* --> 168Yb70 + 14N7 + 133.526 MeV [-36.416 MeV] (A_Dy:818)

160Dy66 + 12 D* --> 96Zr40 + 88Sr38 + 261.315 MeV [74.167 MeV] (A_Dy:819)
160Dy66 + 12 D* --> 98Mo42 + 86Kr36 + 259.328 MeV [72.180 MeV] (A_Dy:820)
160Dy66 + 12 D* --> 100Mo42 + 84Kr36 + 256.566 MeV [69.418 MeV] (A_Dy:821)
160Dy66 + 12 D* --> 102Ru44 + 82Se34 + 254.643 MeV [67.495 MeV] (A_Dy:822)
160Dy66 + 12 D* --> 104Ru44 + 80Se34 + 253.799 MeV [66.651 MeV] (A_Dy:823)
160Dy66 + 12 D* --> 108Pd46 + 76Ge32 + 250.688 MeV [63.540 MeV] (A_Dy:824)
160Dy66 + 12 D* --> 110Pd46 + 74Ge32 + 249.722 MeV [62.574 MeV] (A_Dy:825)
160Dy66 + 12 D* --> 114Cd48 + 70Zn30 + 247.536 MeV [60.388 MeV] (A_Dy:826)
160Dy66 + 12 D* --> 116Cd48 + 68Zn30 + 246.677 MeV [59.529 MeV] (A_Dy:827)
160Dy66 + 12 D* --> 120Sn50 + 64Ni28 + 246.155 MeV [59.007 MeV] (A_Dy:828)
160Dy66 + 12 D* --> 122Sn50 + 62Ni28 + 244.643 MeV [57.495 MeV] (A_Dy:829)
160Dy66 + 12 D* --> 124Sn50 + 60Ni28 + 240.659 MeV [53.511 MeV] (A_Dy:830)
160Dy66 + 12 D* --> 126Te52 + 58Fe26 + 240.169 MeV [53.021 MeV] (A_Dy:831)
160Dy66 + 12 D* --> 128Te52 + 56Fe26 + 237.548 MeV [50.400 MeV] (A_Dy:832)

160Dy66 + 12 D* --> 130Te52 + 54Fe26 + 231.554 MeV [44.406 MeV] (A_Dy:833)
160Dy66 + 12 D* --> 130Xe54 + 54Cr24 + 234.765 MeV [47.617 MeV] (A_Dy:834)
160Dy66 + 12 D* --> 131Xe54 + 53Cr24 + 231.651 MeV [44.503 MeV] (A_Dy:835)
160Dy66 + 12 D* --> 132Xe54 + 52Cr24 + 232.648 MeV [45.500 MeV] (A_Dy:836)
160Dy66 + 12 D* --> 134Xe54 + 50Cr24 + 226.335 MeV [39.187 MeV] (A_Dy:837)
160Dy66 + 12 D* --> 133Cs55 + 51V23 + 228.223 MeV [41.075 MeV] (A_Dy:838)
160Dy66 + 12 D* --> 134Ba56 + 50Ti22 + 228.327 MeV [41.179 MeV] (A_Dy:839)
160Dy66 + 12 D* --> 135Ba56 + 49Ti22 + 224.360 MeV [37.212 MeV] (A_Dy:840)
160Dy66 + 12 D* --> 136Ba56 + 48Ti22 + 225.325 MeV [38.177 MeV] (A_Dy:841)
160Dy66 + 12 D* --> 137Ba56 + 47Ti22 + 220.604 MeV [33.456 MeV] (A_Dy:842)
160Dy66 + 12 D* --> 138Ba56 + 46Ti22 + 220.336 MeV [33.188 MeV] (A_Dy:843)
160Dy66 + 12 D* --> 139La57 + 45Sc21 + 216.250 MeV [29.102 MeV] (A_Dy:844)
160Dy66 + 12 D* --> 136Ce58 + 48Ca20 + 218.633 MeV [31.485 MeV] (A_Dy:845)
160Dy66 + 12 D* --> 138Ce58 + 46Ca20 + 218.654 MeV [31.506 MeV] (A_Dy:846)
160Dy66 + 12 D* --> 140Ce58 + 44Ca20 + 217.502 MeV [30.354 MeV] (A_Dy:847)
160Dy66 + 12 D* --> 142Ce58 + 42Ca20 + 211.036 MeV [23.888 MeV] (A_Dy:848)
160Dy66 + 12 D* --> 144Nd60 + 40Ar18 + 206.744 MeV [19.596 MeV] (A_Dy:849)
160Dy66 + 12 D* --> 146Nd60 + 38Ar18 + 203.596 MeV [16.448 MeV] (A_Dy:850)
160Dy66 + 12 D* --> 148Nd60 + 36Ar18 + 195.596 MeV [8.448 MeV] (A_Dy:851)
160Dy66 + 12 D* --> 148Sm62 + 36S16 + 197.957 MeV [10.809 MeV] (A_Dy:852)
160Dy66 + 12 D* --> 150Sm62 + 34S16 + 194.940 MeV [7.792 MeV] (A_Dy:853)
160Dy66 + 12 D* --> 152Sm62 + 32S16 + 188.735 MeV [1.587 MeV] (A_Dy:854)
160Dy66 + 12 D* --> 153Eu63 + 31P15 + 185.765 MeV [-1.383 MeV] (A_Dy:855)
160Dy66 + 12 D* --> 154Gd64 + 30Si14 + 186.097 MeV [-1.051 MeV] (A_Dy:856)
160Dy66 + 12 D* --> 155Gd64 + 29Si14 + 181.923 MeV [-5.225 MeV] (A_Dy:857)
160Dy66 + 12 D* --> 156Gd64 + 28Si14 + 181.986 MeV [-5.162 MeV] (A_Dy:858)
160Dy66 + 12 D* --> 158Dy66 + 26Mg12 + 174.577 MeV [-12.571 MeV] (A_Dy:859)
160Dy66 + 12 D* --> 160Dy66 + 24Mg12 + 171.562 MeV [-15.586 MeV] (A_Dy:860)
160Dy66 + 12 D* --> 162Er68 + 22Ne10 + 162.318 MeV [-24.830 MeV] (A_Dy:861)
160Dy66 + 12 D* --> 164Er68 + 20Ne10 + 160.942 MeV [-26.206 MeV] (A_Dy:862)
160Dy66 + 12 D* --> 168Yb70 + 16O8 + 154.262 MeV [-32.886 MeV] (A_Dy:863)

161Dy66 + D* --> 136Xe54 + 27Al13 + 48.696 MeV [34.778 MeV] (A_Dy:864)
161Dy66 + D* --> 148Nd60 + 15N7 + 22.387 MeV [8.468 MeV] (A_Dy:865)
161Dy66 + D* --> 152Sm62 + 11B5 + 11.175 MeV [-2.743 MeV] (A_Dy:866)
161Dy66 + D* --> 156Gd64 + 7Li3 + 2.709 MeV [-11.210 MeV] (A_Dy:867)
161Dy66 + D* --> 157Gd64 + 6Li3 + 1.818 MeV [-12.100 MeV] (A_Dy:868)
161Dy66 + D* --> 159Tb65 + 4He2 + 12.189 MeV [-1.730 MeV] (A_Dy:869)
161Dy66 + D* --> 162Dy66 + 1H1 + 5.972 MeV [-7.946 MeV] (A_Dy:870)

161Dy66 + 2 D* --> 136Xe54 + 29Si14 + 66.530 MeV [38.386 MeV] (A_Dy:871)
161Dy66 + 2 D* --> 148Nd60 + 17O8 + 36.433 MeV [8.288 MeV] (A_Dy:872)
161Dy66 + 2 D* --> 152Sm62 + 13C6 + 29.854 MeV [1.709 MeV] (A_Dy:873)
161Dy66 + 2 D* --> 156Gd64 + 9Be4 + 19.405 MeV [-8.740 MeV] (A_Dy:874)
161Dy66 + 2 D* --> 159Tb65 + 6Li3 + 13.663 MeV [-14.482 MeV] (A_Dy:875)
161Dy66 + 2 D* --> 161Dy66 + 4He2 + 23.847 MeV [-4.298 MeV] (A_Dy:876)
161Dy66 + 2 D* --> 162Dy66 + 3He2 + 11.466 MeV [-16.679 MeV] (A_Dy:877)

161Dy66 + 3 D* --> 130Te52 + 37Cl17 + 90.459 MeV [47.784 MeV] (A_Dy:878)
161Dy66 + 3 D* --> 136Xe54 + 31P15 + 82.212 MeV [39.537 MeV] (A_Dy:879)
161Dy66 + 3 D* --> 148Nd60 + 19F9 + 50.247 MeV [7.571 MeV] (A_Dy:880)
161Dy66 + 3 D* --> 152Sm62 + 15N7 + 46.013 MeV [3.338 MeV] (A_Dy:881)
161Dy66 + 3 D* --> 156Gd64 + 11B5 + 35.220 MeV [-7.455 MeV] (A_Dy:882)
161Dy66 + 3 D* --> 157Gd64 + 10B5 + 30.126 MeV [-12.549 MeV] (A_Dy:883)

161Dy66 + 3 D* --> 160Dy66 + 7Li3 + 26.116 MeV [-16.559 MeV] (A_Dy:884)
161Dy66 + 3 D* --> 161Dy66 + 6Li3 + 25.320 MeV [-17.355 MeV] (A_Dy:885)
161Dy66 + 3 D* --> 166Er68 + 1H1 + 28.989 MeV [-13.687 MeV] (A_Dy:886)

161Dy66 + 4 D* --> 136Xe54 + 33S16 + 97.493 MeV [39.984 MeV] (A_Dy:887)
161Dy66 + 4 D* --> 148Nd60 + 21Ne10 + 67.627 MeV [10.118 MeV] (A_Dy:888)
161Dy66 + 4 D* --> 152Sm62 + 17O8 + 60.059 MeV [2.551 MeV] (A_Dy:889)
161Dy66 + 4 D* --> 156Gd64 + 13C6 + 53.899 MeV [-3.610 MeV] (A_Dy:890)
161Dy66 + 4 D* --> 157Gd64 + 12C6 + 55.312 MeV [-2.196 MeV] (A_Dy:891)
161Dy66 + 4 D* --> 159Tb65 + 10B5 + 41.970 MeV [-15.539 MeV] (A_Dy:892)
161Dy66 + 4 D* --> 160Dy66 + 9Be4 + 42.812 MeV [-14.696 MeV] (A_Dy:893)
161Dy66 + 4 D* --> 166Er68 + 3He2 + 34.482 MeV [-23.026 MeV] (A_Dy:894)

161Dy66 + 5 D* --> 123Sb51 + 48Ca20 + 131.056 MeV [58.414 MeV] (A_Dy:895)
161Dy66 + 5 D* --> 130Te52 + 41K19 + 120.528 MeV [47.886 MeV] (A_Dy:896)
161Dy66 + 5 D* --> 134Xe54 + 37Cl17 + 117.503 MeV [44.861 MeV] (A_Dy:897)
161Dy66 + 5 D* --> 136Xe54 + 35Cl17 + 113.056 MeV [40.414 MeV] (A_Dy:898)
161Dy66 + 5 D* --> 148Nd60 + 23Na11 + 84.561 MeV [11.919 MeV] (A_Dy:899)
161Dy66 + 5 D* --> 152Sm62 + 19F9 + 73.874 MeV [1.232 MeV] (A_Dy:900)
161Dy66 + 5 D* --> 153Eu63 + 18O8 + 71.772 MeV [-0.870 MeV] (A_Dy:901)
161Dy66 + 5 D* --> 156Gd64 + 15N7 + 70.058 MeV [-2.584 MeV] (A_Dy:902)
161Dy66 + 5 D* --> 157Gd64 + 14N7 + 65.585 MeV [-7.057 MeV] (A_Dy:903)
161Dy66 + 5 D* --> 159Tb65 + 12C6 + 67.157 MeV [-5.486 MeV] (A_Dy:904)
161Dy66 + 5 D* --> 160Dy66 + 11B5 + 58.628 MeV [-14.015 MeV] (A_Dy:905)
161Dy66 + 5 D* --> 161Dy66 + 10B5 + 53.628 MeV [-19.014 MeV] (A_Dy:906)
161Dy66 + 5 D* --> 164Er68 + 7Li3 + 48.659 MeV [-23.983 MeV] (A_Dy:907)
161Dy66 + 5 D* --> 170Yb70 + 1H1 + 51.097 MeV [-21.545 MeV] (A_Dy:908)

161Dy66 + 6 D* --> 124Sn50 + 49Ti22 + 147.549 MeV [59.475 MeV] (A_Dy:909)
161Dy66 + 6 D* --> 125Te52 + 48Ca20 + 143.990 MeV [55.916 MeV] (A_Dy:910)
161Dy66 + 6 D* --> 130Te52 + 43Ca20 + 136.513 MeV [48.439 MeV] (A_Dy:911)
161Dy66 + 6 D* --> 137Ba56 + 36S16 + 129.139 MeV [41.065 MeV] (A_Dy:912)
161Dy66 + 6 D* --> 148Nd60 + 25Mg12 + 101.359 MeV [13.286 MeV] (A_Dy:913)
161Dy66 + 6 D* --> 152Sm62 + 21Ne10 + 91.254 MeV [3.180 MeV] (A_Dy:914)
161Dy66 + 6 D* --> 155Gd64 + 18O8 + 83.612 MeV [-4.462 MeV] (A_Dy:915)
161Dy66 + 6 D* --> 156Gd64 + 17O8 + 84.104 MeV [-3.970 MeV] (A_Dy:916)
161Dy66 + 6 D* --> 157Gd64 + 16O8 + 86.321 MeV [-1.753 MeV] (A_Dy:917)
161Dy66 + 6 D* --> 159Tb65 + 14N7 + 77.429 MeV [-10.645 MeV] (A_Dy:918)
161Dy66 + 6 D* --> 160Dy66 + 13C6 + 77.306 MeV [-10.768 MeV] (A_Dy:919)
161Dy66 + 6 D* --> 161Dy66 + 12C6 + 78.814 MeV [-9.259 MeV] (A_Dy:920)
161Dy66 + 6 D* --> 164Er68 + 9Be4 + 65.355 MeV [-22.719 MeV] (A_Dy:921)
161Dy66 + 6 D* --> 170Yb70 + 3He2 + 56.591 MeV [-31.483 MeV] (A_Dy:922)

161Dy66 + 7 D* --> 124Sn50 + 51V23 + 164.327 MeV [60.526 MeV] (A_Dy:923)
161Dy66 + 7 D* --> 130Te52 + 45Sc21 + 152.308 MeV [48.507 MeV] (A_Dy:924)
161Dy66 + 7 D* --> 127I53 + 48Ca20 + 157.086 MeV [53.285 MeV] (A_Dy:925)
161Dy66 + 7 D* --> 134Xe54 + 41K19 + 147.572 MeV [43.771 MeV] (A_Dy:926)
161Dy66 + 7 D* --> 136Xe54 + 39K19 + 144.121 MeV [40.320 MeV] (A_Dy:927)
161Dy66 + 7 D* --> 138Ba56 + 37Cl17 + 143.912 MeV [40.111 MeV] (A_Dy:928)
161Dy66 + 7 D* --> 139La57 + 36S16 + 141.784 MeV [37.983 MeV] (A_Dy:929)
161Dy66 + 7 D* --> 148Nd60 + 27Al13 + 118.499 MeV [14.697 MeV] (A_Dy:930)
161Dy66 + 7 D* --> 152Sm62 + 23Na11 + 108.188 MeV [4.386 MeV] (A_Dy:931)
161Dy66 + 7 D* --> 153Eu63 + 22Ne10 + 105.287 MeV [1.486 MeV] (A_Dy:932)
161Dy66 + 7 D* --> 156Gd64 + 19F9 + 97.919 MeV [-5.883 MeV] (A_Dy:933)

161Dy66 + 7 D* --> 159Tb65 + 16O8 + 98.165 MeV [-5.637 MeV] (A_Dy:934)
161Dy66 + 7 D* --> 160Dy66 + 15N7 + 93.466 MeV [-10.336 MeV] (A_Dy:935)
161Dy66 + 7 D* --> 161Dy66 + 14N7 + 89.087 MeV [-14.715 MeV] (A_Dy:936)
161Dy66 + 7 D* --> 164Er68 + 11B5 + 81.171 MeV [-22.631 MeV] (A_Dy:937)
161Dy66 + 7 D* --> 168Yb70 + 7Li3 + 70.555 MeV [-33.246 MeV] (A_Dy:938)
161Dy66 + 7 D* --> 174Hf72 + 1H1 + 72.447 MeV [-31.355 MeV] (A_Dy:939)

161Dy66 + 8 D* --> 124Sn50 + 53Cr24 + 180.546 MeV [60.723 MeV] (A_Dy:940)
161Dy66 + 8 D* --> 128Te52 + 49Ti22 + 174.576 MeV [54.752 MeV] (A_Dy:941)
161Dy66 + 8 D* --> 130Te52 + 47Ti22 + 169.308 MeV [49.485 MeV] (A_Dy:942)
161Dy66 + 8 D* --> 129Xe54 + 48Ca20 + 169.936 MeV [50.113 MeV] (A_Dy:943)
161Dy66 + 8 D* --> 131Xe54 + 46Ca20 + 168.575 MeV [48.752 MeV] (A_Dy:944)
161Dy66 + 8 D* --> 134Xe54 + 43Ca20 + 163.558 MeV [43.735 MeV] (A_Dy:945)
161Dy66 + 8 D* --> 137Ba56 + 40Ar18 + 159.786 MeV [39.963 MeV] (A_Dy:946)
161Dy66 + 8 D* --> 148Nd60 + 29Si14 + 136.333 MeV [16.510 MeV] (A_Dy:947)
161Dy66 + 8 D* --> 152Sm62 + 25Mg12 + 124.986 MeV [5.163 MeV] (A_Dy:948)
161Dy66 + 8 D* --> 155Gd64 + 22Ne10 + 117.126 MeV [-2.697 MeV] (A_Dy:949)
161Dy66 + 8 D* --> 156Gd64 + 21Ne10 + 115.299 MeV [-4.525 MeV] (A_Dy:950)
161Dy66 + 8 D* --> 157Gd64 + 20Ne10 + 114.897 MeV [-4.926 MeV] (A_Dy:951)
161Dy66 + 8 D* --> 160Dy66 + 17O8 + 107.512 MeV [-12.312 MeV] (A_Dy:952)
161Dy66 + 8 D* --> 161Dy66 + 16O8 + 109.823 MeV [-10.000 MeV] (A_Dy:953)
161Dy66 + 8 D* --> 164Er68 + 13C6 + 99.849 MeV [-19.974 MeV] (A_Dy:954)
161Dy66 + 8 D* --> 168Yb70 + 9Be4 + 87.252 MeV [-32.572 MeV] (A_Dy:955)
161Dy66 + 8 D* --> 174Hf72 + 3He2 + 77.940 MeV [-41.883 MeV] (A_Dy:956)

161Dy66 + 9 D* --> 124Sn50 + 55Mn25 + 196.108 MeV [59.971 MeV] (A_Dy:957)
161Dy66 + 9 D* --> 128Te52 + 51V23 + 191.354 MeV [55.217 MeV] (A_Dy:958)
161Dy66 + 9 D* --> 134Xe54 + 45Sc21 + 179.353 MeV [43.216 MeV] (A_Dy:959)
161Dy66 + 9 D* --> 133Cs55 + 46Ca20 + 181.366 MeV [45.230 MeV] (A_Dy:960)
161Dy66 + 9 D* --> 138Ba56 + 41K19 + 173.981 MeV [37.844 MeV] (A_Dy:961)
161Dy66 + 9 D* --> 139La57 + 40Ar18 + 172.432 MeV [36.295 MeV] (A_Dy:962)
161Dy66 + 9 D* --> 142Ce58 + 37Cl17 + 166.460 MeV [30.324 MeV] (A_Dy:963)
161Dy66 + 9 D* --> 148Nd60 + 31P15 + 152.015 MeV [15.878 MeV] (A_Dy:964)
161Dy66 + 9 D* --> 152Sm62 + 27Al13 + 142.126 MeV [5.989 MeV] (A_Dy:965)
161Dy66 + 9 D* --> 153Eu63 + 26Mg12 + 139.748 MeV [3.612 MeV] (A_Dy:966)
161Dy66 + 9 D* --> 156Gd64 + 23Na11 + 132.232 MeV [-3.904 MeV] (A_Dy:967)
161Dy66 + 9 D* --> 159Tb65 + 20Ne10 + 126.741 MeV [-9.396 MeV] (A_Dy:968)
161Dy66 + 9 D* --> 160Dy66 + 19F9 + 121.326 MeV [-14.811 MeV] (A_Dy:969)
161Dy66 + 9 D* --> 164Er68 + 15N7 + 116.008 MeV [-20.128 MeV] (A_Dy:970)
161Dy66 + 9 D* --> 168Yb70 + 11B5 + 103.067 MeV [-33.070 MeV] (A_Dy:971)

161Dy66 + 10 D* --> 124Sn50 + 57Fe26 + 211.713 MeV [58.972 MeV] (A_Dy:972)
161Dy66 + 10 D* --> 128Te52 + 53Cr24 + 207.573 MeV [54.832 MeV] (A_Dy:973)
161Dy66 + 10 D* --> 131Xe54 + 50Ti22 + 203.138 MeV [50.397 MeV] (A_Dy:974)
161Dy66 + 10 D* --> 132Xe54 + 49Ti22 + 201.135 MeV [48.395 MeV] (A_Dy:975)
161Dy66 + 10 D* --> 134Xe54 + 47Ti22 + 196.353 MeV [43.612 MeV] (A_Dy:976)
161Dy66 + 10 D* --> 135Ba56 + 46Ca20 + 194.282 MeV [41.541 MeV] (A_Dy:977)
161Dy66 + 10 D* --> 137Ba56 + 44Ca20 + 192.486 MeV [39.745 MeV] (A_Dy:978)
161Dy66 + 10 D* --> 138Ba56 + 43Ca20 + 189.966 MeV [37.226 MeV] (A_Dy:979)
161Dy66 + 10 D* --> 145Nd60 + 36S16 + 175.397 MeV [22.657 MeV] (A_Dy:980)
161Dy66 + 10 D* --> 148Nd60 + 33S16 + 167.295 MeV [14.555 MeV] (A_Dy:981)
161Dy66 + 10 D* --> 152Sm62 + 29Si14 + 159.960 MeV [7.219 MeV] (A_Dy:982)
161Dy66 + 10 D* --> 155Gd64 + 26Mg12 + 151.588 MeV [-1.153 MeV] (A_Dy:983)
161Dy66 + 10 D* --> 156Gd64 + 25Mg12 + 149.031 MeV [-3.709 MeV] (A_Dy:984)

161Dy66 + 10 D* --> 157Gd64 + 24Mg12 + 148.060 MeV [-4.680 MeV] (A_Dy:985)
161Dy66 + 10 D* --> 160Dy66 + 21Ne10 + 138.706 MeV [-14.035 MeV] (A_Dy:986)
161Dy66 + 10 D* --> 161Dy66 + 20Ne10 + 138.399 MeV [-14.341 MeV] (A_Dy:987)
161Dy66 + 10 D* --> 164Er68 + 17O8 + 130.054 MeV [-22.686 MeV] (A_Dy:988)
161Dy66 + 10 D* --> 168Yb70 + 13C6 + 121.746 MeV [-30.995 MeV] (A_Dy:989)

161Dy66 + 11 D* --> 96Zr40 + 87Rb37 + 246.472 MeV [76.840 MeV] (A_Dy:990)
161Dy66 + 11 D* --> 124Sn50 + 59Co27 + 226.897 MeV [57.265 MeV] (A_Dy:991)
161Dy66 + 11 D* --> 128Te52 + 55Mn25 + 223.134 MeV [53.502 MeV] (A_Dy:992)
161Dy66 + 11 D* --> 132Xe54 + 51V23 + 217.914 MeV [48.281 MeV] (A_Dy:993)
161Dy66 + 11 D* --> 133Cs55 + 50Ti22 + 215.929 MeV [46.297 MeV] (A_Dy:994)
161Dy66 + 11 D* --> 138Ba56 + 45Sc21 + 205.761 MeV [36.129 MeV] (A_Dy:995)
161Dy66 + 11 D* --> 139La57 + 44Ca20 + 205.132 MeV [35.499 MeV] (A_Dy:996)
161Dy66 + 11 D* --> 142Ce58 + 41K19 + 196.529 MeV [26.897 MeV] (A_Dy:997)
161Dy66 + 11 D* --> 146Nd60 + 37Cl17 + 189.124 MeV [19.492 MeV] (A_Dy:998)
161Dy66 + 11 D* --> 148Nd60 + 35Cl17 + 182.859 MeV [13.227 MeV] (A_Dy:999)
161Dy66 + 11 D* --> 152Sm62 + 31P15 + 175.641 MeV [6.009 MeV]
(A_Dy:1000)
161Dy66 + 11 D* --> 153Eu63 + 30Si14 + 174.238 MeV [4.606 MeV]
(A_Dy:1001)
161Dy66 + 11 D* --> 156Gd64 + 27Al13 + 166.171 MeV [-3.462 MeV]
(A_Dy:1002)
161Dy66 + 11 D* --> 159Tb65 + 24Mg12 + 159.904 MeV [-9.728 MeV]
(A_Dy:1003)
161Dy66 + 11 D* --> 160Dy66 + 23Na11 + 155.640 MeV [-13.993 MeV]
(A_Dy:1004)
161Dy66 + 11 D* --> 164Er68 + 19F9 + 143.869 MeV [-25.763 MeV]
(A_Dy:1005)
161Dy66 + 11 D* --> 168Yb70 + 15N7 + 137.905 MeV [-31.727 MeV]
(A_Dy:1006)

161Dy66 + 12 D* --> 124Sn50 + 61Ni28 + 242.025 MeV [55.215 MeV]
(A_Dy:1007)
161Dy66 + 12 D* --> 128Te52 + 57Fe26 + 238.740 MeV [51.930 MeV]
(A_Dy:1008)
161Dy66 + 12 D* --> 131Xe54 + 54Cr24 + 234.915 MeV [48.105 MeV]
(A_Dy:1009)
161Dy66 + 12 D* --> 132Xe54 + 53Cr24 + 234.133 MeV [47.323 MeV]
(A_Dy:1010)
161Dy66 + 12 D* --> 135Ba56 + 50Ti22 + 228.845 MeV [42.035 MeV]
(A_Dy:1011)
161Dy66 + 12 D* --> 136Ba56 + 49Ti22 + 227.013 MeV [40.203 MeV]
(A_Dy:1012)
161Dy66 + 12 D* --> 137Ba56 + 48Ti22 + 225.776 MeV [38.966 MeV]
(A_Dy:1013)
161Dy66 + 12 D* --> 138Ba56 + 47Ti22 + 222.762 MeV [35.951 MeV]
(A_Dy:1014)
161Dy66 + 12 D* --> 142Ce58 + 43Ca20 + 212.515 MeV [25.704 MeV]
(A_Dy:1015)
161Dy66 + 12 D* --> 145Nd60 + 40Ar18 + 206.045 MeV [19.234 MeV]
(A_Dy:1016)
161Dy66 + 12 D* --> 149Sm62 + 36S16 + 197.374 MeV [10.563 MeV]
(A_Dy:1017)
161Dy66 + 12 D* --> 152Sm62 + 33S16 + 190.922 MeV [4.112 MeV]

(A_Dy:1018)
161Dy66 + 12 D* --> 155Gd64 + 30Si14 + 186.078 MeV [-0.733 MeV]
(A_Dy:1019)
161Dy66 + 12 D* --> 156Gd64 + 29Si14 + 184.005 MeV [-2.805 MeV]
(A_Dy:1020)
161Dy66 + 12 D* --> 157Gd64 + 28Si14 + 181.891 MeV [-4.919 MeV]
(A_Dy:1021)
161Dy66 + 12 D* --> 160Dy66 + 25Mg12 + 172.438 MeV [-14.372 MeV]
(A_Dy:1022)
161Dy66 + 12 D* --> 161Dy66 + 24Mg12 + 171.562 MeV [-15.248 MeV]
(A_Dy:1023)
161Dy66 + 12 D* --> 164Er68 + 21Ne10 + 161.249 MeV [-25.561 MeV]
(A_Dy:1024)
161Dy66 + 12 D* --> 168Yb70 + 17O8 + 151.951 MeV [-34.859 MeV]
(A_Dy:1025)

162Dy66 + D* --> 150Nd60 + 14N7 + 15.775 MeV [1.885 MeV]
(A_Dy:1026)
162Dy66 + D* --> 154Sm62 + 10B5 + 5.360 MeV [-8.531 MeV]
(A_Dy:1027)
162Dy66 + D* --> 157Gd64 + 7Li3 + 00.871 MeV [-13.019 MeV]
(A_Dy:1028)
162Dy66 + D* --> 158Gd64 + 6Li3 + 1.559 MeV [-12.332 MeV]
(A_Dy:1029)
162Dy66 + D* --> 163Dy66 + 1H1 + 4.046 MeV [-9.844 MeV]
(A_Dy:1030)

162Dy66 + 2 D* --> 130Te52 + 36S16 + 76.100 MeV [48.012 MeV]
(A_Dy:1031)
162Dy66 + 2 D* --> 136Xe54 + 30Si14 + 68.943 MeV [40.855 MeV]
(A_Dy:1032)
162Dy66 + 2 D* --> 148Nd60 + 18O8 + 36.280 MeV [8.192 MeV]
(A_Dy:1033)
162Dy66 + 2 D* --> 150Nd60 + 16O8 + 36.511 MeV [8.423 MeV]
(A_Dy:1034)
162Dy66 + 2 D* --> 154Sm62 + 12C6 + 30.546 MeV [2.458 MeV]
(A_Dy:1035)
162Dy66 + 2 D* --> 157Gd64 + 9Be4 + 17.568 MeV [-10.520 MeV]
(A_Dy:1036)
162Dy66 + 2 D* --> 159Tb65 + 7Li3 + 12.716 MeV [-15.372 MeV]
(A_Dy:1037)
162Dy66 + 2 D* --> 162Dy66 + 4He2 + 23.847 MeV [-4.241 MeV]
(A_Dy:1038)
162Dy66 + 2 D* --> 163Dy66 + 3He2 + 9.540 MeV [-18.548 MeV]
(A_Dy:1039)
162Dy66 + 2 D* --> 165Ho67 + 1H1 + 15.700 MeV [-12.388 MeV]
(A_Dy:1040)
162Dy66 + 2 D* --> 166Er68 + 23.016 MeV [-5.072 MeV]
(A_Dy:1041)

162Dy66 + 3 D* --> 154Sm62 + 14N7 + 40.819 MeV [-1.772 MeV]
(A_Dy:1042)
162Dy66 + 3 D* --> 157Gd64 + 11B5 + 33.383 MeV [-9.207 MeV]
(A_Dy:1043)

162Dy66 + 3 D* --> 158Gd64 + 10B5 + 29.866 MeV [-12.724 MeV]
(A_Dy:1044)
162Dy66 + 3 D* --> 159Tb65 + 9Be4 + 29.412 MeV [-13.179 MeV]
(A_Dy:1045)
162Dy66 + 3 D* --> 161Dy66 + 7Li3 + 24.373 MeV [-18.217 MeV]
(A_Dy:1046)
162Dy66 + 3 D* --> 162Dy66 + 6Li3 + 25.320 MeV [-17.270 MeV]
(A_Dy:1047)
162Dy66 + 3 D* --> 165Ho67 + 3He2 + 21.194 MeV [-21.397 MeV]
(A_Dy:1048)
162Dy66 + 3 D* --> 166Er68 + 2H1 + 23.016 MeV [-19.574 MeV]
(A_Dy:1049)
162Dy66 + 3 D* --> 167Er68 + 1H1 + 27.228 MeV [-15.362 MeV]
(A_Dy:1050)

162Dy66 + 4 D* --> 122Sn50 + 48Ca20 + 118.516 MeV [61.121 MeV]
(A_Dy:1051)
162Dy66 + 4 D* --> 124Sn50 + 46Ca20 + 115.728 MeV [58.332 MeV]
(A_Dy:1052)
162Dy66 + 4 D* --> 130Te52 + 40Ar18 + 106.747 MeV [49.352 MeV]
(A_Dy:1053)
162Dy66 + 4 D* --> 134Xe54 + 36S16 + 103.145 MeV [45.749 MeV]
(A_Dy:1054)
162Dy66 + 4 D* --> 136Xe54 + 34S16 + 100.713 MeV [43.317 MeV]
(A_Dy:1055)
162Dy66 + 4 D* --> 148Nd60 + 22Ne10 + 69.794 MeV [12.399 MeV]
(A_Dy:1056)
162Dy66 + 4 D* --> 150Nd60 + 20Ne10 + 65.088 MeV [7.692 MeV]
(A_Dy:1057)
162Dy66 + 4 D* --> 152Sm62 + 18O8 + 59.906 MeV [2.511 MeV]
(A_Dy:1058)
162Dy66 + 4 D* --> 154Sm62 + 16O8 + 61.555 MeV [4.159 MeV]
(A_Dy:1059)
162Dy66 + 4 D* --> 157Gd64 + 13C6 + 52.062 MeV [-5.334 MeV]
(A_Dy:1060)
162Dy66 + 4 D* --> 158Gd64 + 12C6 + 55.053 MeV [-2.343 MeV]
(A_Dy:1061)
162Dy66 + 4 D* --> 159Tb65 + 11B5 + 45.227 MeV [-12.168 MeV]
(A_Dy:1062)
162Dy66 + 4 D* --> 161Dy66 + 9Be4 + 41.070 MeV [-16.326 MeV]
(A_Dy:1063)
162Dy66 + 4 D* --> 166Er68 + 4He2 + 46.863 MeV [-10.533 MeV]
(A_Dy:1064)
162Dy66 + 4 D* --> 167Er68 + 3He2 + 32.722 MeV [-24.674 MeV]
(A_Dy:1065)
162Dy66 + 4 D* --> 169Tm69 + 1H1 + 38.347 MeV [-19.049 MeV]
(A_Dy:1066)
162Dy66 + 4 D* --> 170Yb70 + 45.125 MeV [-12.271 MeV]
(A_Dy:1067)

162Dy66 + 5 D* --> 157Gd64 + 15N7 + 68.221 MeV [-4.280 MeV]
(A_Dy:1068)
162Dy66 + 5 D* --> 158Gd64 + 14N7 + 65.325 MeV [-7.176 MeV]
(A_Dy:1069)

162Dy66 + 5 D* --> 159Tb65 + 13C6 + 63.906 MeV [-8.595 MeV]
(A_Dy:1070)
162Dy66 + 5 D* --> 161Dy66 + 11B5 + 56.885 MeV [-15.616 MeV]
(A_Dy:1071)
162Dy66 + 5 D* --> 162Dy66 + 10B5 + 53.628 MeV [-18.873 MeV]
(A_Dy:1072)
162Dy66 + 5 D* --> 166Er68 + 6Li3 + 48.337 MeV [-24.164 MeV]
(A_Dy:1073)
162Dy66 + 5 D* --> 169Tm69 + 3He2 + 43.841 MeV [-28.661 MeV]
(A_Dy:1074)
162Dy66 + 5 D* --> 170Yb70 + 2H1 + 45.125 MeV [-27.376 MeV]
(A_Dy:1075)
162Dy66 + 5 D* --> 171Yb70 + 1H1 + 49.515 MeV [-22.986 MeV]
(A_Dy:1076)

162Dy66 + 6 D* --> 124Sn50 + 50Ti22 + 150.291 MeV [62.386 MeV]
(A_Dy:1077)
162Dy66 + 6 D* --> 126Te52 + 48Ca20 + 144.906 MeV [57.001 MeV]
(A_Dy:1078)
162Dy66 + 6 D* --> 128Te52 + 46Ca20 + 142.755 MeV [54.850 MeV]
(A_Dy:1079)
162Dy66 + 6 D* --> 130Te52 + 44Ca20 + 139.447 MeV [51.543 MeV]
(A_Dy:1080)
162Dy66 + 6 D* --> 134Xe54 + 40Ar18 + 133.792 MeV [45.887 MeV]
(A_Dy:1081)
162Dy66 + 6 D* --> 136Xe54 + 38Ar18 + 131.767 MeV [43.862 MeV]
(A_Dy:1082)
162Dy66 + 6 D* --> 138Ba56 + 36S16 + 129.553 MeV [41.648 MeV]
(A_Dy:1083)
162Dy66 + 6 D* --> 148Nd60 + 26Mg12 + 104.256 MeV [16.351 MeV]
(A_Dy:1084)
162Dy66 + 6 D* --> 150Nd60 + 24Mg12 + 98.251 MeV [10.346 MeV]
(A_Dy:1085)
162Dy66 + 6 D* --> 152Sm62 + 22Ne10 + 93.421 MeV [5.516 MeV]
(A_Dy:1086)
162Dy66 + 6 D* --> 154Sm62 + 20Ne10 + 90.131 MeV [2.226 MeV]
(A_Dy:1087)
162Dy66 + 6 D* --> 156Gd64 + 18O8 + 83.951 MeV [-3.954 MeV]
(A_Dy:1088)
162Dy66 + 6 D* --> 157Gd64 + 17O8 + 82.267 MeV [-5.638 MeV]
(A_Dy:1089)
162Dy66 + 6 D* --> 158Gd64 + 16O8 + 86.061 MeV [-1.843 MeV]
(A_Dy:1090)
162Dy66 + 6 D* --> 159Tb65 + 15N7 + 80.065 MeV [-7.840 MeV]
(A_Dy:1091)
162Dy66 + 6 D* --> 161Dy66 + 13C6 + 75.564 MeV [-12.341 MeV]
(A_Dy:1092)
162Dy66 + 6 D* --> 162Dy66 + 12C6 + 78.814 MeV [-9.090 MeV]
(A_Dy:1093)
162Dy66 + 6 D* --> 170Yb70 + 4He2 + 68.972 MeV [-18.933 MeV]
(A_Dy:1094)
162Dy66 + 6 D* --> 171Yb70 + 3He2 + 55.008 MeV [-32.896 MeV]
(A_Dy:1095)
162Dy66 + 6 D* --> 174Hf72 + 66.474 MeV [-21.431 MeV]

(A_Dy:1096)

162Dy66 + 7 D* --> 136Xe54 + 40K19 + 143.724 MeV [40.119 MeV]
(A_Dy:1097)
162Dy66 + 7 D* --> 157Gd64 + 19F9 + 96.081 MeV [-7.523 MeV]
(A_Dy:1098)
162Dy66 + 7 D* --> 159Tb65 + 17O8 + 94.111 MeV [-9.493 MeV]
(A_Dy:1099)
162Dy66 + 7 D* --> 161Dy66 + 15N7 + 91.723 MeV [-11.882 MeV]
(A_Dy:1100)
162Dy66 + 7 D* --> 162Dy66 + 14N7 + 89.087 MeV [-14.518 MeV]
(A_Dy:1101)
162Dy66 + 7 D* --> 166Er68 + 10B5 + 76.644 MeV [-26.960 MeV]
(A_Dy:1102)
162Dy66 + 7 D* --> 170Yb70 + 6Li3 + 70.445 MeV [-33.159 MeV]
(A_Dy:1103)
162Dy66 + 7 D* --> 174Hf72 + 2H1 + 66.474 MeV [-37.130 MeV]
(A_Dy:1104)

162Dy66 + 8 D* --> 96Zr40 + 82Se34 + 199.936 MeV [80.337 MeV]
(A_Dy:1105)
162Dy66 + 8 D* --> 124Sn50 + 54Cr24 + 182.068 MeV [62.470 MeV]
(A_Dy:1106)
162Dy66 + 8 D* --> 128Te52 + 50Ti22 + 177.318 MeV [57.719 MeV]
(A_Dy:1107)
162Dy66 + 8 D* --> 130Te52 + 48Ti22 + 172.738 MeV [53.140 MeV]
(A_Dy:1108)
162Dy66 + 8 D* --> 130Xe54 + 48Ca20 + 170.995 MeV [51.396 MeV]
(A_Dy:1109)
162Dy66 + 8 D* --> 132Xe54 + 46Ca20 + 169.315 MeV [49.716 MeV]
(A_Dy:1110)
162Dy66 + 8 D* --> 134Xe54 + 44Ca20 + 166.492 MeV [46.894 MeV]
(A_Dy:1111)
162Dy66 + 8 D* --> 136Xe54 + 42Ca20 + 161.871 MeV [42.273 MeV]
(A_Dy:1112)
162Dy66 + 8 D* --> 138Ba56 + 40Ar18 + 160.200 MeV [40.602 MeV]
(A_Dy:1113)
162Dy66 + 8 D* --> 142Ce58 + 36S16 + 152.102 MeV [32.503 MeV]
(A_Dy:1114)
162Dy66 + 8 D* --> 148Nd60 + 30Si14 + 138.745 MeV [19.147 MeV]
(A_Dy:1115)
162Dy66 + 8 D* --> 150Nd60 + 28Si14 + 132.081 MeV [12.483 MeV]
(A_Dy:1116)
162Dy66 + 8 D* --> 152Sm62 + 26Mg12 + 127.882 MeV [8.284 MeV]
(A_Dy:1117)
162Dy66 + 8 D* --> 154Sm62 + 24Mg12 + 123.294 MeV [3.696 MeV]
(A_Dy:1118)
162Dy66 + 8 D* --> 156Gd64 + 22Ne10 + 117.466 MeV [-2.133 MeV]
(A_Dy:1119)
162Dy66 + 8 D* --> 157Gd64 + 21Ne10 + 113.461 MeV [-6.137 MeV]
(A_Dy:1120)
162Dy66 + 8 D* --> 158Gd64 + 20Ne10 + 114.638 MeV [-4.961 MeV]
(A_Dy:1121)
162Dy66 + 8 D* --> 159Tb65 + 19F9 + 107.925 MeV [-11.673 MeV]

(A_Dy:1122)
 162Dy66 + 8 D* --> 160Dy66 + 18O8 + 107.359 MeV [-12.240 MeV]
(A_Dy:1123)
 162Dy66 + 8 D* --> 161Dy66 + 17O8 + 105.769 MeV [-13.829 MeV]
(A_Dy:1124)
 162Dy66 + 8 D* --> 162Dy66 + 16O8 + 109.823 MeV [-9.776 MeV]
(A_Dy:1125)
 162Dy66 + 8 D* --> 166Er68 + 12C6 + 101.831 MeV [-17.768 MeV]
(A_Dy:1126)
 162Dy66 + 8 D* --> 174Hf72 + 4He2 + 90.321 MeV [-29.278 MeV]
(A_Dy:1127)

 162Dy66 + 9 D* --> 130Te52 + 50V23 + 186.608 MeV [50.723 MeV]
(A_Dy:1128)
 162Dy66 + 9 D* --> 157Gd64 + 23Na11 + 130.395 MeV [-5.489 MeV]
(A_Dy:1129)
 162Dy66 + 9 D* --> 159Tb65 + 21Ne10 + 125.306 MeV [-10.579 MeV]
(A_Dy:1130)
 162Dy66 + 9 D* --> 161Dy66 + 19F9 + 119.583 MeV [-16.301 MeV]
(A_Dy:1131)
 162Dy66 + 9 D* --> 166Er68 + 14N7 + 112.103 MeV [-23.781 MeV]
(A_Dy:1132)
 162Dy66 + 9 D* --> 170Yb70 + 10B5 + 98.753 MeV [-37.131 MeV]
(A_Dy:1133)
 162Dy66 + 9 D* --> 174Hf72 + 6Li3 + 91.795 MeV [-44.090 MeV]
(A_Dy:1134)

 162Dy66 + 10 D* --> 96Zr40 + 86Kr36 + 231.879 MeV [79.419 MeV]
(A_Dy:1135)
 162Dy66 + 10 D* --> 100Mo42 + 82Se34 + 226.949 MeV [74.488 MeV]
(A_Dy:1136)
 162Dy66 + 10 D* --> 124Sn50 + 58Fe26 + 213.561 MeV [61.100 MeV]
(A_Dy:1137)
 162Dy66 + 10 D* --> 128Te52 + 54Cr24 + 209.095 MeV [56.635 MeV]
(A_Dy:1138)
 162Dy66 + 10 D* --> 130Te52 + 52Cr24 + 205.939 MeV [53.479 MeV]
(A_Dy:1139)
 162Dy66 + 10 D* --> 132Xe54 + 50Ti22 + 203.878 MeV [51.417 MeV]
(A_Dy:1140)
 162Dy66 + 10 D* --> 134Xe54 + 48Ti22 + 199.783 MeV [47.322 MeV]
(A_Dy:1141)
 162Dy66 + 10 D* --> 136Xe54 + 46Ti22 + 193.719 MeV [41.259 MeV]
(A_Dy:1142)
 162Dy66 + 10 D* --> 134Ba56 + 48Ca20 + 196.334 MeV [43.874 MeV]
(A_Dy:1143)
 162Dy66 + 10 D* --> 136Ba56 + 46Ca20 + 195.192 MeV [42.732 MeV]
(A_Dy:1144)
 162Dy66 + 10 D* --> 138Ba56 + 44Ca20 + 192.901 MeV [40.440 MeV]
(A_Dy:1145)
 162Dy66 + 10 D* --> 142Ce58 + 40Ar18 + 182.749 MeV [30.289 MeV]
(A_Dy:1146)
 162Dy66 + 10 D* --> 146Nd60 + 36S16 + 174.766 MeV [22.305 MeV]
(A_Dy:1147)
 162Dy66 + 10 D* --> 148Nd60 + 34S16 + 170.516 MeV [18.055 MeV]

(A_Dy:1148)
 162Dy66 + 10 D* --> 150Nd60 + 32S16 + 162.876 MeV [10.416 MeV]
(A_Dy:1149)
 162Dy66 + 10 D* --> 152Sm62 + 30Si14 + 162.372 MeV [9.912 MeV]
(A_Dy:1150)
 162Dy66 + 10 D* --> 154Sm62 + 28Si14 + 157.125 MeV [4.665 MeV]
(A_Dy:1151)
 162Dy66 + 10 D* --> 156Gd64 + 26Mg12 + 151.927 MeV [-0.533 MeV]
(A_Dy:1152)
 162Dy66 + 10 D* --> 157Gd64 + 25Mg12 + 147.194 MeV [-5.266 MeV]
(A_Dy:1153)
 162Dy66 + 10 D* --> 158Gd64 + 24Mg12 + 147.801 MeV [-4.660 MeV]
(A_Dy:1154)
 162Dy66 + 10 D* --> 159Tb65 + 23Na11 + 142.239 MeV [-10.221 MeV]
(A_Dy:1155)
 162Dy66 + 10 D* --> 160Dy66 + 22Ne10 + 140.873 MeV [-11.587 MeV]
(A_Dy:1156)
 162Dy66 + 10 D* --> 161Dy66 + 21Ne10 + 136.963 MeV [-15.497 MeV]
(A_Dy:1157)
 162Dy66 + 10 D* --> 162Dy66 + 20Ne10 + 138.399 MeV [-14.061 MeV]
(A_Dy:1158)
 162Dy66 + 10 D* --> 164Er68 + 18O8 + 129.901 MeV [-22.559 MeV]
(A_Dy:1159)
 162Dy66 + 10 D* --> 166Er68 + 16O8 + 132.839 MeV [-19.621 MeV]
(A_Dy:1160)
 162Dy66 + 10 D* --> 170Yb70 + 12C6 + 123.939 MeV [-28.521 MeV]
(A_Dy:1161)

 162Dy66 + 11 D* --> 134Xe54 + 50V23 + 213.652 MeV [44.328 MeV]
(A_Dy:1162)
 162Dy66 + 11 D* --> 138La57 + 46Ca20 + 205.966 MeV [36.642 MeV]
(A_Dy:1163)
 162Dy66 + 11 D* --> 157Gd64 + 27Al13 + 164.333 MeV [-4.991 MeV]
(A_Dy:1164)
 162Dy66 + 11 D* --> 159Tb65 + 25Mg12 + 159.038 MeV [-10.286 MeV]
(A_Dy:1165)
 162Dy66 + 11 D* --> 161Dy66 + 23Na11 + 153.897 MeV [-15.427 MeV]
(A_Dy:1166)
 162Dy66 + 11 D* --> 170Yb70 + 14N7 + 134.212 MeV [-35.113 MeV]
(A_Dy:1167)
 162Dy66 + 11 D* --> 174Hf72 + 10B5 + 120.102 MeV [-49.222 MeV]
(A_Dy:1168)

 162Dy66 + 12 D* --> 100Mo42 + 86Kr36 + 258.892 MeV [72.417 MeV]
(A_Dy:1169)
 162Dy66 + 12 D* --> 104Ru44 + 82Se34 + 255.125 MeV [68.650 MeV]
(A_Dy:1170)
 162Dy66 + 12 D* --> 110Pd46 + 76Ge32 + 251.004 MeV [64.529 MeV]
(A_Dy:1171)
 162Dy66 + 12 D* --> 116Cd48 + 70Zn30 + 247.726 MeV [61.251 MeV]
(A_Dy:1172)
 162Dy66 + 12 D* --> 122Sn50 + 64Ni28 + 246.487 MeV [60.012 MeV]
(A_Dy:1173)
 162Dy66 + 12 D* --> 124Sn50 + 62Ni28 + 244.425 MeV [57.950 MeV]

(A_Dy:1174)
162Dy66 + 12 D* --> 128Te52 + 58Fe26 + 240.587 MeV [54.113 MeV]
(A_Dy:1175)
162Dy66 + 12 D* --> 130Te52 + 56Fe26 + 237.399 MeV [50.924 MeV]
(A_Dy:1176)
162Dy66 + 12 D* --> 132Xe54 + 54Cr24 + 235.655 MeV [49.180 MeV]
(A_Dy:1177)
162Dy66 + 12 D* --> 134Xe54 + 52Cr24 + 232.983 MeV [46.508 MeV]
(A_Dy:1178)
162Dy66 + 12 D* --> 136Xe54 + 50Cr24 + 226.126 MeV [39.652 MeV]
(A_Dy:1179)
162Dy66 + 12 D* --> 136Ba56 + 50Ti22 + 229.755 MeV [43.281 MeV]
(A_Dy:1180)
162Dy66 + 12 D* --> 137Ba56 + 49Ti22 + 225.722 MeV [39.247 MeV]
(A_Dy:1181)
162Dy66 + 12 D* --> 138Ba56 + 48Ti22 + 226.191 MeV [39.716 MeV]
(A_Dy:1182)
162Dy66 + 12 D* --> 138Ce58 + 48Ca20 + 221.225 MeV [34.750 MeV]
(A_Dy:1183)
162Dy66 + 12 D* --> 140Ce58 + 46Ca20 + 220.660 MeV [34.185 MeV]
(A_Dy:1184)
162Dy66 + 12 D* --> 142Ce58 + 44Ca20 + 215.449 MeV [28.974 MeV]
(A_Dy:1185)
162Dy66 + 12 D* --> 146Nd60 + 40Ar18 + 205.413 MeV [18.938 MeV]
(A_Dy:1186)
162Dy66 + 12 D* --> 148Nd60 + 38Ar18 + 201.570 MeV [15.095 MeV]
(A_Dy:1187)
162Dy66 + 12 D* --> 150Nd60 + 36Ar18 + 193.363 MeV [6.888 MeV]
(A_Dy:1188)
162Dy66 + 12 D* --> 150Sm62 + 36S16 + 197.163 MeV [10.688 MeV]
(A_Dy:1189)
162Dy66 + 12 D* --> 152Sm62 + 34S16 + 194.142 MeV [7.668 MeV]
(A_Dy:1190)
162Dy66 + 12 D* --> 154Sm62 + 32S16 + 187.919 MeV [1.444 MeV]
(A_Dy:1191)
162Dy66 + 12 D* --> 156Gd64 + 30Si14 + 186.417 MeV [-0.058 MeV]
(A_Dy:1192)
162Dy66 + 12 D* --> 157Gd64 + 29Si14 + 182.168 MeV [-4.307 MeV]
(A_Dy:1193)
162Dy66 + 12 D* --> 158Gd64 + 28Si14 + 181.631 MeV [-4.843 MeV]
(A_Dy:1194)
162Dy66 + 12 D* --> 159Tb65 + 27Al13 + 176.178 MeV [-10.297 MeV]
(A_Dy:1195)
162Dy66 + 12 D* --> 160Dy66 + 26Mg12 + 175.335 MeV [-11.140 MeV]
(A_Dy:1196)
162Dy66 + 12 D* --> 161Dy66 + 25Mg12 + 170.696 MeV [-15.779 MeV]
(A_Dy:1197)
162Dy66 + 12 D* --> 162Dy66 + 24Mg12 + 171.562 MeV [-14.913 MeV]
(A_Dy:1198)
162Dy66 + 12 D* --> 164Er68 + 22Ne10 + 163.416 MeV [-23.059 MeV]
(A_Dy:1199)
162Dy66 + 12 D* --> 166Er68 + 20Ne10 + 161.415 MeV [-25.059 MeV]
(A_Dy:1200)
162Dy66 + 12 D* --> 168Yb70 + 18O8 + 151.798 MeV [-34.677 MeV]

(A_Dy:1201)
 162Dy66 + 12 D* --> 170Yb70 + 16O8 + 154.948 MeV [-31.527 MeV]
(A_Dy:1202)
 162Dy66 + 12 D* --> 174Hf72 + 12C6 + 145.288 MeV [-41.186 MeV]
(A_Dy:1203)

 163Dy66 + D* --> 150Nd60 + 15N7 + 20.337 MeV [6.475 MeV]
(A_Dy:1204)
 163Dy66 + D* --> 154Sm62 + 11B5 + 10.543 MeV [-3.319 MeV]
(A_Dy:1205)
 163Dy66 + D* --> 158Gd64 + 7Li3 + 2.538 MeV [-11.324 MeV]
(A_Dy:1206)
 163Dy66 + D* --> 164Dy66 + 1H1 + 5.434 MeV [-8.429 MeV]
(A_Dy:1207)
 163Dy66 + D* --> 165Ho67 + 11.654 MeV [-2.208 MeV]
(A_Dy:1208)

 163Dy66 + 2 D* --> 150Nd60 + 17O8 + 34.383 MeV [6.352 MeV]
(A_Dy:1209)
 163Dy66 + 2 D* --> 154Sm62 + 13C6 + 29.222 MeV [1.190 MeV]
(A_Dy:1210)
 163Dy66 + 2 D* --> 158Gd64 + 9Be4 + 19.234 MeV [-8.798 MeV]
(A_Dy:1211)
 163Dy66 + 2 D* --> 163Dy66 + 4He2 + 23.847 MeV [-4.185 MeV]
(A_Dy:1212)
 163Dy66 + 2 D* --> 164Dy66 + 3He2 + 10.927 MeV [-17.105 MeV]
(A_Dy:1213)
 163Dy66 + 2 D* --> 165Ho67 + 2H1 + 11.654 MeV [-16.378 MeV]
(A_Dy:1214)
 163Dy66 + 2 D* --> 167Er68 + 23.182 MeV [-4.850 MeV]
(A_Dy:1215)

 163Dy66 + 3 D* --> 150Nd60 + 19F9 + 48.198 MeV [5.691 MeV]
(A_Dy:1216)
 163Dy66 + 3 D* --> 154Sm62 + 15N7 + 45.381 MeV [2.874 MeV]
(A_Dy:1217)
 163Dy66 + 3 D* --> 158Gd64 + 11B5 + 35.049 MeV [-7.457 MeV]
(A_Dy:1218)
 163Dy66 + 3 D* --> 162Dy66 + 7Li3 + 26.299 MeV [-16.207 MeV]
(A_Dy:1219)
 163Dy66 + 3 D* --> 163Dy66 + 6Li3 + 25.320 MeV [-17.186 MeV]
(A_Dy:1220)
 163Dy66 + 3 D* --> 165Ho67 + 4He2 + 35.500 MeV [-7.006 MeV]
(A_Dy:1221)
 163Dy66 + 3 D* --> 167Er68 + 2H1 + 23.182 MeV [-19.325 MeV]
(A_Dy:1222)
 163Dy66 + 3 D* --> 168Er68 + 1H1 + 28.728 MeV [-13.778 MeV]
(A_Dy:1223)
 163Dy66 + 3 D* --> 169Tm69 + 34.301 MeV [-8.206 MeV]
(A_Dy:1224)

 163Dy66 + 4 D* --> 150Nd60 + 21Ne10 + 65.578 MeV [8.294 MeV]
(A_Dy:1225)
 163Dy66 + 4 D* --> 154Sm62 + 17O8 + 59.427 MeV [2.143 MeV]

(A_Dy:1226)
163Dy66 + 4 D* --> 158Gd64 + 13C6 + 53.728 MeV [-3.555 MeV]
(A_Dy:1227)
163Dy66 + 4 D* --> 162Dy66 + 9Be4 + 42.996 MeV [-14.288 MeV]
(A_Dy:1228)
163Dy66 + 4 D* --> 165Ho67 + 6Li3 + 36.974 MeV [-20.309 MeV]
(A_Dy:1229)
163Dy66 + 4 D* --> 167Er68 + 4He2 + 47.028 MeV [-10.255 MeV]
(A_Dy:1230)
163Dy66 + 4 D* --> 168Er68 + 3He2 + 34.222 MeV [-23.062 MeV]
(A_Dy:1231)
163Dy66 + 4 D* --> 169Tm69 + 2H1 + 34.301 MeV [-22.983 MeV]
(A_Dy:1232)
163Dy66 + 4 D* --> 171Yb70 + 45.469 MeV [-11.815 MeV]
(A_Dy:1233)

163Dy66 + 5 D* --> 136Xe54 + 37Cl17 + 117.479 MeV [45.118 MeV]
(A_Dy:1234)
163Dy66 + 5 D* --> 150Nd60 + 23Na11 + 82.512 MeV [10.151 MeV]
(A_Dy:1235)
163Dy66 + 5 D* --> 154Sm62 + 19F9 + 73.241 MeV [00.880 MeV]
(A_Dy:1236)
163Dy66 + 5 D* --> 158Gd64 + 15N7 + 69.887 MeV [-2.474 MeV]
(A_Dy:1237)
163Dy66 + 5 D* --> 162Dy66 + 11B5 + 58.811 MeV [-13.550 MeV]
(A_Dy:1238)
163Dy66 + 5 D* --> 163Dy66 + 10B5 + 53.628 MeV [-18.733 MeV]
(A_Dy:1239)
163Dy66 + 5 D* --> 166Er68 + 7Li3 + 49.316 MeV [-23.046 MeV]
(A_Dy:1240)
163Dy66 + 5 D* --> 167Er68 + 6Li3 + 48.502 MeV [-23.859 MeV]
(A_Dy:1241)
163Dy66 + 5 D* --> 169Tm69 + 4He2 + 58.147 MeV [-14.214 MeV]
(A_Dy:1242)
163Dy66 + 5 D* --> 171Yb70 + 2H1 + 45.469 MeV [-26.893 MeV]
(A_Dy:1243)
163Dy66 + 5 D* --> 172Yb70 + 1H1 + 51.263 MeV [-21.098 MeV]
(A_Dy:1244)

163Dy66 + 6 D* --> 150Nd60 + 25Mg12 + 99.310 MeV [11.573 MeV]
(A_Dy:1245)
163Dy66 + 6 D* --> 154Sm62 + 21Ne10 + 90.621 MeV [2.884 MeV]
(A_Dy:1246)
163Dy66 + 6 D* --> 157Gd64 + 18O8 + 84.040 MeV [-3.697 MeV]
(A_Dy:1247)
163Dy66 + 6 D* --> 158Gd64 + 17O8 + 83.933 MeV [-3.804 MeV]
(A_Dy:1248)
163Dy66 + 6 D* --> 162Dy66 + 13C6 + 77.490 MeV [-10.247 MeV]
(A_Dy:1249)
163Dy66 + 6 D* --> 163Dy66 + 12C6 + 78.814 MeV [-8.923 MeV]
(A_Dy:1250)
163Dy66 + 6 D* --> 165Ho67 + 10B5 + 65.282 MeV [-22.455 MeV]
(A_Dy:1251)
163Dy66 + 6 D* --> 166Er68 + 9Be4 + 66.012 MeV [-21.725 MeV]

(A_Dy:1252)
163Dy66 + 6 D* --> 169Tm69 + 6Li3 + 59.621 MeV [-28.116 MeV]
(A_Dy:1253)
163Dy66 + 6 D* --> 171Yb70 + 4He2 + 69.315 MeV [-18.422 MeV]
(A_Dy:1254)
163Dy66 + 6 D* --> 172Yb70 + 3He2 + 56.757 MeV [-30.980 MeV]
(A_Dy:1255)

163Dy66 + 7 D* --> 136Xe54 + 41K19 + 147.548 MeV [44.139 MeV]
(A_Dy:1256)
163Dy66 + 7 D* --> 150Nd60 + 27Al13 + 116.450 MeV [13.041 MeV]
(A_Dy:1257)
163Dy66 + 7 D* --> 154Sm62 + 23Na11 + 107.555 MeV [4.146 MeV]
(A_Dy:1258)
163Dy66 + 7 D* --> 158Gd64 + 19F9 + 97.748 MeV [-5.661 MeV]
(A_Dy:1259)
163Dy66 + 7 D* --> 159Tb65 + 18O8 + 95.884 MeV [-7.525 MeV]
(A_Dy:1260)
163Dy66 + 7 D* --> 162Dy66 + 15N7 + 93.649 MeV [-9.760 MeV]
(A_Dy:1261)
163Dy66 + 7 D* --> 163Dy66 + 14N7 + 89.087 MeV [-14.322 MeV]
(A_Dy:1262)
163Dy66 + 7 D* --> 165Ho67 + 12C6 + 90.468 MeV [-12.941 MeV]
(A_Dy:1263)
163Dy66 + 7 D* --> 166Er68 + 11B5 + 81.827 MeV [-21.582 MeV]
(A_Dy:1264)
163Dy66 + 7 D* --> 167Er68 + 10B5 + 76.810 MeV [-26.600 MeV]
(A_Dy:1265)
163Dy66 + 7 D* --> 170Yb70 + 7Li3 + 71.424 MeV [-31.985 MeV]
(A_Dy:1266)
163Dy66 + 7 D* --> 171Yb70 + 6Li3 + 70.789 MeV [-32.620 MeV]
(A_Dy:1267)
163Dy66 + 7 D* --> 176Hf72 + 1H1 + 72.852 MeV [-30.557 MeV]
(A_Dy:1268)

163Dy66 + 8 D* --> 130Te52 + 49Ti22 + 174.609 MeV [55.234 MeV]
(A_Dy:1269)
163Dy66 + 8 D* --> 131Xe54 + 48Ca20 + 171.329 MeV [51.953 MeV]
(A_Dy:1270)
163Dy66 + 8 D* --> 136Xe54 + 43Ca20 + 163.533 MeV [44.158 MeV]
(A_Dy:1271)
163Dy66 + 8 D* --> 150Nd60 + 29Si14 + 134.284 MeV [14.909 MeV]
(A_Dy:1272)
163Dy66 + 8 D* --> 154Sm62 + 25Mg12 + 124.354 MeV [4.978 MeV]
(A_Dy:1273)
163Dy66 + 8 D* --> 157Gd64 + 22Ne10 + 117.555 MeV [-1.821 MeV]
(A_Dy:1274)
163Dy66 + 8 D* --> 158Gd64 + 21Ne10 + 115.128 MeV [-4.247 MeV]
(A_Dy:1275)
163Dy66 + 8 D* --> 161Dy66 + 18O8 + 107.542 MeV [-11.833 MeV]
(A_Dy:1276)
163Dy66 + 8 D* --> 162Dy66 + 17O8 + 107.695 MeV [-11.680 MeV]
(A_Dy:1277)
163Dy66 + 8 D* --> 163Dy66 + 16O8 + 109.823 MeV [-9.552 MeV]

(A_Dy:1278)
163Dy66 + 8 D* --> 165Ho67 + 14N7 + 100.740 MeV [-18.635 MeV]
(A_Dy:1279)
163Dy66 + 8 D* --> 166Er68 + 13C6 + 100.506 MeV [-18.869 MeV]
(A_Dy:1280)
163Dy66 + 8 D* --> 167Er68 + 12C6 + 101.996 MeV [-17.379 MeV]
(A_Dy:1281)
163Dy66 + 8 D* --> 169Tm69 + 10B5 + 87.929 MeV [-31.447 MeV]
(A_Dy:1282)
163Dy66 + 8 D* --> 170Yb70 + 9Be4 + 88.121 MeV [-31.255 MeV]
(A_Dy:1283)
163Dy66 + 8 D* --> 176Hf72 + 3He2 + 78.346 MeV [-41.030 MeV]
(A_Dy:1284)

163Dy66 + 9 D* --> 130Te52 + 51V23 + 191.388 MeV [55.754 MeV]
(A_Dy:1285)
163Dy66 + 9 D* --> 136Xe54 + 45Sc21 + 179.328 MeV [43.694 MeV]
(A_Dy:1286)
163Dy66 + 9 D* --> 133Cs55 + 48Ca20 + 184.120 MeV [48.487 MeV]
(A_Dy:1287)
163Dy66 + 9 D* --> 150Nd60 + 31P15 + 149.966 MeV [14.332 MeV]
(A_Dy:1288)
163Dy66 + 9 D* --> 154Sm62 + 27Al13 + 141.493 MeV [5.860 MeV]
(A_Dy:1289)
163Dy66 + 9 D* --> 158Gd64 + 23Na11 + 132.062 MeV [-3.572 MeV]
(A_Dy:1290)
163Dy66 + 9 D* --> 159Tb65 + 22Ne10 + 129.399 MeV [-6.235 MeV]
(A_Dy:1291)
163Dy66 + 9 D* --> 162Dy66 + 19F9 + 121.509 MeV [-14.124 MeV]
(A_Dy:1292)
163Dy66 + 9 D* --> 165Ho67 + 16O8 + 121.477 MeV [-14.157 MeV]
(A_Dy:1293)
163Dy66 + 9 D* --> 166Er68 + 15N7 + 116.665 MeV [-18.968 MeV]
(A_Dy:1294)
163Dy66 + 9 D* --> 167Er68 + 14N7 + 112.268 MeV [-23.365 MeV]
(A_Dy:1295)
163Dy66 + 9 D* --> 169Tm69 + 12C6 + 113.115 MeV [-22.519 MeV]
(A_Dy:1296)
163Dy66 + 9 D* --> 170Yb70 + 11B5 + 103.936 MeV [-31.698 MeV]
(A_Dy:1297)
163Dy66 + 9 D* --> 171Yb70 + 10B5 + 99.096 MeV [-36.537 MeV]
(A_Dy:1298)
163Dy66 + 9 D* --> 174Hf72 + 7Li3 + 92.773 MeV [-42.860 MeV]
(A_Dy:1299)
163Dy66 + 9 D* --> 180W74 + 1H1 + 94.191 MeV [-41.443 MeV]
(A_Dy:1300)

163Dy66 + 10 D* --> 130Te52 + 53Cr24 + 207.607 MeV [55.425 MeV]
(A_Dy:1301)
163Dy66 + 10 D* --> 134Xe54 + 49Ti22 + 201.654 MeV [49.472 MeV]
(A_Dy:1302)
163Dy66 + 10 D* --> 136Xe54 + 47Ti22 + 196.328 MeV [44.146 MeV]
(A_Dy:1303)
163Dy66 + 10 D* --> 135Ba56 + 48Ca20 + 197.035 MeV [44.853 MeV]

(A_Dy:1304)
163Dy66 + 10 D* --> 137Ba56 + 46Ca20 + 195.827 MeV [43.645 MeV]
(A_Dy:1305)
163Dy66 + 10 D* --> 150Nd60 + 33S16 + 165.246 MeV [13.064 MeV]
(A_Dy:1306)
163Dy66 + 10 D* --> 154Sm62 + 29Si14 + 159.327 MeV [7.145 MeV]
(A_Dy:1307)
163Dy66 + 10 D* --> 157Gd64 + 26Mg12 + 152.016 MeV [-0.166 MeV]
(A_Dy:1308)
163Dy66 + 10 D* --> 158Gd64 + 25Mg12 + 148.860 MeV [-3.322 MeV]
(A_Dy:1309)
163Dy66 + 10 D* --> 161Dy66 + 22Ne10 + 141.057 MeV [-11.125 MeV]
(A_Dy:1310)
163Dy66 + 10 D* --> 162Dy66 + 21Ne10 + 138.889 MeV [-13.293 MeV]
(A_Dy:1311)
163Dy66 + 10 D* --> 163Dy66 + 20Ne10 + 138.399 MeV [-13.783 MeV]
(A_Dy:1312)
163Dy66 + 10 D* --> 166Er68 + 17O8 + 130.711 MeV [-21.471 MeV]
(A_Dy:1313)
163Dy66 + 10 D* --> 167Er68 + 16O8 + 133.004 MeV [-19.178 MeV]
(A_Dy:1314)
163Dy66 + 10 D* --> 169Tm69 + 14N7 + 123.387 MeV [-28.795 MeV]
(A_Dy:1315)
163Dy66 + 10 D* --> 170Yb70 + 13C6 + 122.615 MeV [-29.567 MeV]
(A_Dy:1316)
163Dy66 + 10 D* --> 171Yb70 + 12C6 + 124.283 MeV [-27.899 MeV]
(A_Dy:1317)
163Dy66 + 10 D* --> 174Hf72 + 9Be4 + 109.470 MeV [-42.712 MeV]
(A_Dy:1318)
163Dy66 + 10 D* --> 180W74 + 3He2 + 99.684 MeV [-52.498 MeV]
(A_Dy:1319)

163Dy66 + 11 D* --> 130Te52 + 55Mn25 + 223.168 MeV [54.150 MeV]
(A_Dy:1320)
163Dy66 + 11 D* --> 134Xe54 + 51V23 + 218.432 MeV [49.414 MeV]
(A_Dy:1321)
163Dy66 + 11 D* --> 139La57 + 46Ca20 + 208.473 MeV [39.454 MeV]
(A_Dy:1322)
163Dy66 + 11 D* --> 148Nd60 + 37Cl17 + 187.281 MeV [18.263 MeV]
(A_Dy:1323)
163Dy66 + 11 D* --> 150Nd60 + 35Cl17 + 180.810 MeV [11.791 MeV]
(A_Dy:1324)
163Dy66 + 11 D* --> 154Sm62 + 31P15 + 175.009 MeV [5.990 MeV]
(A_Dy:1325)
163Dy66 + 11 D* --> 158Gd64 + 27Al13 + 166.000 MeV [-3.019 MeV]
(A_Dy:1326)
163Dy66 + 11 D* --> 159Tb65 + 26Mg12 + 163.860 MeV [-5.159 MeV]
(A_Dy:1327)
163Dy66 + 11 D* --> 162Dy66 + 23Na11 + 155.823 MeV [-13.196 MeV]
(A_Dy:1328)
163Dy66 + 11 D* --> 165Ho67 + 20Ne10 + 150.053 MeV [-18.966 MeV]
(A_Dy:1329)
163Dy66 + 11 D* --> 166Er68 + 19F9 + 144.525 MeV [-24.493 MeV]
(A_Dy:1330)

163Dy66 + 11 D* --> 169Tm69 + 16O8 + 144.123 MeV [-24.895 MeV]
(A_Dy:1331)
163Dy66 + 11 D* --> 170Yb70 + 15N7 + 138.774 MeV [-30.245 MeV]
(A_Dy:1332)
163Dy66 + 11 D* --> 171Yb70 + 14N7 + 134.555 MeV [-34.464 MeV]
(A_Dy:1333)
163Dy66 + 11 D* --> 174Hf72 + 11B5 + 125.285 MeV [-43.734 MeV]
(A_Dy:1334)
163Dy66 + 11 D* --> 184Os76 + 1H1 + 115.074 MeV [-53.945 MeV]
(A_Dy:1335)

163Dy66 + 12 D* --> 130Te52 + 57Fe26 + 238.774 MeV [52.632 MeV]
(A_Dy:1336)
163Dy66 + 12 D* --> 134Xe54 + 53Cr24 + 234.651 MeV [48.510 MeV]
(A_Dy:1337)
163Dy66 + 12 D* --> 137Ba56 + 50Ti22 + 230.390 MeV [44.248 MeV]
(A_Dy:1338)
163Dy66 + 12 D* --> 138Ba56 + 49Ti22 + 228.063 MeV [41.921 MeV]
(A_Dy:1339)
163Dy66 + 12 D* --> 154Sm62 + 33S16 + 190.290 MeV [4.148 MeV]
(A_Dy:1340)
163Dy66 + 12 D* --> 157Gd64 + 30Si14 + 186.506 MeV [00.364 MeV]
(A_Dy:1341)
163Dy66 + 12 D* --> 158Gd64 + 29Si14 + 183.834 MeV [-2.308 MeV]
(A_Dy:1342)
163Dy66 + 12 D* --> 161Dy66 + 26Mg12 + 175.518 MeV [-10.624 MeV]
(A_Dy:1343)
163Dy66 + 12 D* --> 162Dy66 + 25Mg12 + 172.622 MeV [-13.520 MeV]
(A_Dy:1344)
163Dy66 + 12 D* --> 163Dy66 + 24Mg12 + 171.562 MeV [-14.580 MeV]
(A_Dy:1345)
163Dy66 + 12 D* --> 166Er68 + 21Ne10 + 161.906 MeV [-24.236 MeV]
(A_Dy:1346)
163Dy66 + 12 D* --> 167Er68 + 20Ne10 + 161.581 MeV [-24.561 MeV]
(A_Dy:1347)
163Dy66 + 12 D* --> 170Yb70 + 17O8 + 152.820 MeV [-33.322 MeV]
(A_Dy:1348)
163Dy66 + 12 D* --> 171Yb70 + 16O8 + 155.291 MeV [-30.851 MeV]
(A_Dy:1349)
163Dy66 + 12 D* --> 174Hf72 + 13C6 + 143.964 MeV [-42.178 MeV]
(A_Dy:1350)
163Dy66 + 12 D* --> 184Os76 + 3He2 + 120.567 MeV [-65.575 MeV]
(A_Dy:1351)

164Dy66 + D* --> 160Gd64 + 6Li3 + 1.024 MeV [-12.810 MeV]
(A_Dy:1352)

164Dy66 + 2 D* --> 150Nd60 + 18O8 + 34.769 MeV [6.793 MeV]
(A_Dy:1353)
164Dy66 + 2 D* --> 164Dy66 + 4He2 + 23.847 MeV [-4.130 MeV]
(A_Dy:1354)
164Dy66 + 2 D* --> 168Er68 + 23.295 MeV [-4.681 MeV]
(A_Dy:1355)

164Dy66 + 3 D* --> 160Gd64 + 10B5 + 29.332 MeV [-13.091 MeV]
(A_Dy:1356)
164Dy66 + 3 D* --> 163Dy66 + 7Li3 + 24.912 MeV [-17.511 MeV]
(A_Dy:1357)
164Dy66 + 3 D* --> 164Dy66 + 6Li3 + 25.320 MeV [-17.102 MeV]
(A_Dy:1358)
164Dy66 + 3 D* --> 168Er68 + 2H1 + 23.295 MeV [-19.128 MeV]
(A_Dy:1359)

164Dy66 + 4 D* --> 124Sn50 + 48Ca20 + 119.020 MeV [61.848 MeV]
(A_Dy:1360)
164Dy66 + 4 D* --> 136Xe54 + 36S16 + 103.659 MeV [46.487 MeV]
(A_Dy:1361)
164Dy66 + 4 D* --> 150Nd60 + 22Ne10 + 68.284 MeV [11.112 MeV]
(A_Dy:1362)
164Dy66 + 4 D* --> 154Sm62 + 18O8 + 59.813 MeV [2.640 MeV]
(A_Dy:1363)
164Dy66 + 4 D* --> 160Gd64 + 12C6 + 54.518 MeV [-2.654 MeV]
(A_Dy:1364)
164Dy66 + 4 D* --> 163Dy66 + 9Be4 + 41.608 MeV [-15.564 MeV]
(A_Dy:1365)
164Dy66 + 4 D* --> 165Ho67 + 7Li3 + 36.566 MeV [-20.606 MeV]
(A_Dy:1366)
164Dy66 + 4 D* --> 168Er68 + 4He2 + 47.141 MeV [-10.031 MeV]
(A_Dy:1367)
164Dy66 + 4 D* --> 172Yb70 + 45.830 MeV [-11.342 MeV]
(A_Dy:1368)

164Dy66 + 5 D* --> 160Gd64 + 14N7 + 64.791 MeV [-7.432 MeV]
(A_Dy:1369)
164Dy66 + 5 D* --> 163Dy66 + 11B5 + 57.424 MeV [-14.798 MeV]
(A_Dy:1370)
164Dy66 + 5 D* --> 164Dy66 + 10B5 + 53.628 MeV [-18.594 MeV]
(A_Dy:1371)
164Dy66 + 5 D* --> 165Ho67 + 9Be4 + 53.262 MeV [-18.960 MeV]
(A_Dy:1372)
164Dy66 + 5 D* --> 167Er68 + 7Li3 + 48.094 MeV [-24.128 MeV]
(A_Dy:1373)
164Dy66 + 5 D* --> 168Er68 + 6Li3 + 48.615 MeV [-23.607 MeV]
(A_Dy:1374)
164Dy66 + 5 D* --> 172Yb70 + 2H1 + 45.830 MeV [-26.392 MeV]
(A_Dy:1375)
164Dy66 + 5 D* --> 173Yb70 + 1H1 + 49.973 MeV [-22.250 MeV]
(A_Dy:1376)

164Dy66 + 6 D* --> 128Te52 + 48Ca20 + 146.047 MeV [58.477 MeV]
(A_Dy:1377)
164Dy66 + 6 D* --> 130Te52 + 46Ca20 + 143.328 MeV [55.757 MeV]
(A_Dy:1378)
164Dy66 + 6 D* --> 136Xe54 + 40Ar18 + 134.306 MeV [46.736 MeV]
(A_Dy:1379)
164Dy66 + 6 D* --> 150Nd60 + 26Mg12 + 102.745 MeV [15.175 MeV]
(A_Dy:1380)
164Dy66 + 6 D* --> 154Sm62 + 22Ne10 + 93.327 MeV [5.757 MeV]

(A_Dy:1381)
164Dy66 + 6 D* --> 158Gd64 + 18O8 + 84.319 MeV [-3.251 MeV]
(A_Dy:1382)
164Dy66 + 6 D* --> 160Gd64 + 16O8 + 85.527 MeV [-2.044 MeV]
(A_Dy:1383)
164Dy66 + 6 D* --> 163Dy66 + 13C6 + 76.103 MeV [-11.468 MeV]
(A_Dy:1384)
164Dy66 + 6 D* --> 164Dy66 + 12C6 + 78.814 MeV [-8.756 MeV]
(A_Dy:1385)
164Dy66 + 6 D* --> 165Ho67 + 11B5 + 69.078 MeV [-18.493 MeV]
(A_Dy:1386)
164Dy66 + 6 D* --> 167Er68 + 9Be4 + 64.790 MeV [-22.780 MeV]
(A_Dy:1387)
164Dy66 + 6 D* --> 169Tm69 + 7Li3 + 59.213 MeV [-28.358 MeV]
(A_Dy:1388)
164Dy66 + 6 D* --> 172Yb70 + 4He2 + 69.676 MeV [-17.894 MeV]
(A_Dy:1389)
164Dy66 + 6 D* --> 173Yb70 + 3He2 + 55.466 MeV [-32.104 MeV]
(A_Dy:1390)
164Dy66 + 6 D* --> 175Lu71 + 1H1 + 60.723 MeV [-26.848 MeV]
(A_Dy:1391)
164Dy66 + 6 D* --> 176Hf72 + 67.419 MeV [-20.152 MeV]
(A_Dy:1392)

164Dy66 + 7 D* --> 163Dy66 + 15N7 + 92.262 MeV [-10.953 MeV]
(A_Dy:1393)
164Dy66 + 7 D* --> 164Dy66 + 14N7 + 89.087 MeV [-14.128 MeV]
(A_Dy:1394)
164Dy66 + 7 D* --> 165Ho67 + 13C6 + 87.756 MeV [-15.459 MeV]
(A_Dy:1395)
164Dy66 + 7 D* --> 167Er68 + 11B5 + 80.606 MeV [-22.609 MeV]
(A_Dy:1396)
164Dy66 + 7 D* --> 168Er68 + 10B5 + 76.923 MeV [-26.292 MeV]
(A_Dy:1397)
164Dy66 + 7 D* --> 169Tm69 + 9Be4 + 75.909 MeV [-27.306 MeV]
(A_Dy:1398)
164Dy66 + 7 D* --> 171Yb70 + 7Li3 + 70.381 MeV [-32.834 MeV]
(A_Dy:1399)
164Dy66 + 7 D* --> 172Yb70 + 6Li3 + 71.150 MeV [-32.065 MeV]
(A_Dy:1400)
164Dy66 + 7 D* --> 175Lu71 + 3He2 + 66.216 MeV [-36.999 MeV]
(A_Dy:1401)
164Dy66 + 7 D* --> 176Hf72 + 2H1 + 67.419 MeV [-35.797 MeV]
(A_Dy:1402)
164Dy66 + 7 D* --> 177Hf72 + 1H1 + 71.577 MeV [-31.638 MeV]
(A_Dy:1403)

164Dy66 + 8 D* --> 130Te52 + 50Ti22 + 177.891 MeV [58.737 MeV]
(A_Dy:1404)
164Dy66 + 8 D* --> 132Xe54 + 48Ca20 + 172.607 MeV [53.453 MeV]
(A_Dy:1405)
164Dy66 + 8 D* --> 134Xe54 + 46Ca20 + 170.372 MeV [51.218 MeV]
(A_Dy:1406)
164Dy66 + 8 D* --> 136Xe54 + 44Ca20 + 167.006 MeV [47.852 MeV]

(A_Dy:1407)
 164Dy66 + 8 D* --> 150Nd60 + 30Si14 + 137.235 MeV [18.081 MeV]
(A_Dy:1408)
 164Dy66 + 8 D* --> 154Sm62 + 26Mg12 + 127.789 MeV [8.635 MeV]
(A_Dy:1409)
 164Dy66 + 8 D* --> 158Gd64 + 22Ne10 + 117.834 MeV [-1.320 MeV]
(A_Dy:1410)
 164Dy66 + 8 D* --> 160Gd64 + 20Ne10 + 114.103 MeV [-5.051 MeV]
(A_Dy:1411)
 164Dy66 + 8 D* --> 162Dy66 + 18O8 + 108.081 MeV [-11.073 MeV]
(A_Dy:1412)
 164Dy66 + 8 D* --> 163Dy66 + 17O8 + 106.308 MeV [-12.846 MeV]
(A_Dy:1413)
 164Dy66 + 8 D* --> 164Dy66 + 16O8 + 109.823 MeV [-9.331 MeV]
(A_Dy:1414)
 164Dy66 + 8 D* --> 165Ho67 + 15N7 + 103.916 MeV [-15.238 MeV]
(A_Dy:1415)
 164Dy66 + 8 D* --> 167Er68 + 13C6 + 99.284 MeV [-19.870 MeV]
(A_Dy:1416)
 164Dy66 + 8 D* --> 168Er68 + 12C6 + 102.109 MeV [-17.045 MeV]
(A_Dy:1417)
 164Dy66 + 8 D* --> 169Tm69 + 11B5 + 91.725 MeV [-27.429 MeV]
(A_Dy:1418)
 164Dy66 + 8 D* --> 171Yb70 + 9Be4 + 87.077 MeV [-32.077 MeV]
(A_Dy:1419)
 164Dy66 + 8 D* --> 176Hf72 + 4He2 + 91.265 MeV [-27.889 MeV]
(A_Dy:1420)
 164Dy66 + 8 D* --> 177Hf72 + 3He2 + 77.071 MeV [-42.083 MeV]
(A_Dy:1421)
 164Dy66 + 8 D* --> 180W74 + 88.757 MeV [-30.397 MeV]
(A_Dy:1422)

 164Dy66 + 9 D* --> 163Dy66 + 19F9 + 120.122 MeV [-15.263 MeV]
(A_Dy:1423)
 164Dy66 + 9 D* --> 165Ho67 + 17O8 + 117.962 MeV [-17.423 MeV]
(A_Dy:1424)
 164Dy66 + 9 D* --> 167Er68 + 15N7 + 115.443 MeV [-19.941 MeV]
(A_Dy:1425)
 164Dy66 + 9 D* --> 168Er68 + 14N7 + 112.382 MeV [-23.003 MeV]
(A_Dy:1426)
 164Dy66 + 9 D* --> 169Tm69 + 13C6 + 110.403 MeV [-24.982 MeV]
(A_Dy:1427)
 164Dy66 + 9 D* --> 171Yb70 + 11B5 + 102.892 MeV [-32.492 MeV]
(A_Dy:1428)
 164Dy66 + 9 D* --> 172Yb70 + 10B5 + 99.458 MeV [-35.927 MeV]
(A_Dy:1429)
 164Dy66 + 9 D* --> 176Hf72 + 6Li3 + 92.739 MeV [-42.646 MeV]
(A_Dy:1430)
 164Dy66 + 9 D* --> 180W74 + 2H1 + 88.757 MeV [-46.628 MeV]
(A_Dy:1431)

 164Dy66 + 10 D* --> 130Te52 + 54Cr24 + 209.668 MeV [57.762 MeV]
(A_Dy:1432)
 164Dy66 + 10 D* --> 134Xe54 + 50Ti22 + 204.935 MeV [53.029 MeV]

(A_Dy:1433)
 164Dy66 + 10 D* --> 136Xe54 + 48Ti22 + 200.297 MeV [48.391 MeV]
(A_Dy:1434)
 164Dy66 + 10 D* --> 136Ba56 + 48Ca20 + 198.485 MeV [46.579 MeV]
(A_Dy:1435)
 164Dy66 + 10 D* --> 138Ba56 + 46Ca20 + 196.781 MeV [44.875 MeV]
(A_Dy:1436)
 164Dy66 + 10 D* --> 148Nd60 + 36S16 + 173.461 MeV [21.556 MeV]
(A_Dy:1437)
 164Dy66 + 10 D* --> 150Nd60 + 34S16 + 169.005 MeV [17.100 MeV]
(A_Dy:1438)
 164Dy66 + 10 D* --> 154Sm62 + 30Si14 + 162.278 MeV [10.373 MeV]
(A_Dy:1439)
 164Dy66 + 10 D* --> 158Gd64 + 26Mg12 + 152.295 MeV [00.389 MeV]
(A_Dy:1440)
 164Dy66 + 10 D* --> 160Gd64 + 24Mg12 + 147.266 MeV [-4.640 MeV]
(A_Dy:1441)
 164Dy66 + 10 D* --> 162Dy66 + 22Ne10 + 141.595 MeV [-10.310 MeV]
(A_Dy:1442)
 164Dy66 + 10 D* --> 163Dy66 + 21Ne10 + 137.502 MeV [-14.404 MeV]
(A_Dy:1443)
 164Dy66 + 10 D* --> 164Dy66 + 20Ne10 + 138.399 MeV [-13.507 MeV]
(A_Dy:1444)
 164Dy66 + 10 D* --> 165Ho67 + 19F9 + 131.776 MeV [-20.130 MeV]
(A_Dy:1445)
 164Dy66 + 10 D* --> 166Er68 + 18O8 + 131.097 MeV [-20.809 MeV]
(A_Dy:1446)
 164Dy66 + 10 D* --> 167Er68 + 17O8 + 129.489 MeV [-22.416 MeV]
(A_Dy:1447)
 164Dy66 + 10 D* --> 168Er68 + 16O8 + 133.118 MeV [-18.788 MeV]
(A_Dy:1448)
 164Dy66 + 10 D* --> 169Tm69 + 15N7 + 126.562 MeV [-25.343 MeV]
(A_Dy:1449)
 164Dy66 + 10 D* --> 171Yb70 + 13C6 + 121.571 MeV [-30.335 MeV]
(A_Dy:1450)
 164Dy66 + 10 D* --> 172Yb70 + 12C6 + 124.644 MeV [-27.262 MeV]
(A_Dy:1451)
 164Dy66 + 10 D* --> 180W74 + 4He2 + 112.603 MeV [-39.302 MeV]
(A_Dy:1452)
 164Dy66 + 10 D* --> 184Os76 + 109.640 MeV [-42.266 MeV]
(A_Dy:1453)

 164Dy66 + 11 D* --> 136Xe54 + 50V23 + 214.166 MeV [45.451 MeV]
(A_Dy:1454)
 164Dy66 + 11 D* --> 138La57 + 48Ca20 + 209.258 MeV [40.543 MeV]
(A_Dy:1455)
 164Dy66 + 11 D* --> 163Dy66 + 23Na11 + 154.436 MeV [-14.279 MeV]
(A_Dy:1456)
 164Dy66 + 11 D* --> 165Ho67 + 21Ne10 + 149.156 MeV [-19.559 MeV]
(A_Dy:1457)
 164Dy66 + 11 D* --> 167Er68 + 19F9 + 143.304 MeV [-25.412 MeV]
(A_Dy:1458)
 164Dy66 + 11 D* --> 169Tm69 + 17O8 + 140.608 MeV [-28.107 MeV]
(A_Dy:1459)

164Dy66 + 11 D* --> 171Yb70 + 15N7 + 137.730 MeV [-30.985 MeV]
(A_Dy:1460)
164Dy66 + 11 D* --> 172Yb70 + 14N7 + 134.917 MeV [-33.799 MeV]
(A_Dy:1461)
164Dy66 + 11 D* --> 176Hf72 + 10B5 + 121.046 MeV [-47.669 MeV]
(A_Dy:1462)
164Dy66 + 11 D* --> 180W74 + 6Li3 + 114.077 MeV [-54.638 MeV]
(A_Dy:1463)
164Dy66 + 11 D* --> 184Os76 + 2H1 + 109.640 MeV [-59.075 MeV]
(A_Dy:1464)

164Dy66 + 12 D* --> 124Sn50 + 64Ni28 + 246.991 MeV [61.180 MeV]
(A_Dy:1465)
164Dy66 + 12 D* --> 130Te52 + 58Fe26 + 241.160 MeV [55.349 MeV]
(A_Dy:1466)
164Dy66 + 12 D* --> 134Xe54 + 54Cr24 + 236.712 MeV [50.901 MeV]
(A_Dy:1467)
164Dy66 + 12 D* --> 136Xe54 + 52Cr24 + 233.497 MeV [47.686 MeV]
(A_Dy:1468)
164Dy66 + 12 D* --> 138Ba56 + 50Ti22 + 231.344 MeV [45.532 MeV]
(A_Dy:1469)
164Dy66 + 12 D* --> 140Ce58 + 48Ca20 + 223.953 MeV [38.142 MeV]
(A_Dy:1470)
164Dy66 + 12 D* --> 142Ce58 + 46Ca20 + 219.329 MeV [33.518 MeV]
(A_Dy:1471)
164Dy66 + 12 D* --> 148Nd60 + 40Ar18 + 204.109 MeV [18.297 MeV]
(A_Dy:1472)
164Dy66 + 12 D* --> 150Nd60 + 38Ar18 + 200.060 MeV [14.248 MeV]
(A_Dy:1473)
164Dy66 + 12 D* --> 152Sm62 + 36S16 + 197.088 MeV [11.277 MeV]
(A_Dy:1474)
164Dy66 + 12 D* --> 154Sm62 + 34S16 + 194.049 MeV [8.238 MeV]
(A_Dy:1475)
164Dy66 + 12 D* --> 158Gd64 + 30Si14 + 186.785 MeV [00.974 MeV]
(A_Dy:1476)
164Dy66 + 12 D* --> 160Gd64 + 28Si14 + 181.097 MeV [-4.714 MeV]
(A_Dy:1477)
164Dy66 + 12 D* --> 162Dy66 + 26Mg12 + 176.057 MeV [-9.754 MeV]
(A_Dy:1478)
164Dy66 + 12 D* --> 163Dy66 + 25Mg12 + 171.235 MeV [-14.576 MeV]
(A_Dy:1479)
164Dy66 + 12 D* --> 164Dy66 + 24Mg12 + 171.562 MeV [-14.249 MeV]
(A_Dy:1480)
164Dy66 + 12 D* --> 165Ho67 + 23Na11 + 166.090 MeV [-19.721 MeV]
(A_Dy:1481)
164Dy66 + 12 D* --> 166Er68 + 22Ne10 + 164.612 MeV [-21.199 MeV]
(A_Dy:1482)
164Dy66 + 12 D* --> 167Er68 + 21Ne10 + 160.684 MeV [-25.127 MeV]
(A_Dy:1483)
164Dy66 + 12 D* --> 168Er68 + 20Ne10 + 161.694 MeV [-24.117 MeV]
(A_Dy:1484)
164Dy66 + 12 D* --> 169Tm69 + 19F9 + 154.423 MeV [-31.388 MeV]
(A_Dy:1485)
164Dy66 + 12 D* --> 170Yb70 + 18O8 + 153.206 MeV [-32.605 MeV]

(A_Dy:1486)
164Dy66 + 12 D* --> 171Yb70 + 17O8 + 151.776 MeV [-34.035 MeV]
(A_Dy:1487)
164Dy66 + 12 D* --> 172Yb70 + 16O8 + 155.653 MeV [-30.159 MeV]
(A_Dy:1488)
164Dy66 + 12 D* --> 176Hf72 + 12C6 + 146.233 MeV [-39.578 MeV]
(A_Dy:1489)
164Dy66 + 12 D* --> 184Os76 + 4He2 + 133.487 MeV [-52.325 MeV]
(A_Dy:1490)

---------- Equations follow for Holmium, Ho, element 67 ----------

165Ho67 + D* --> 150Nd60 + 17O8 + 22.730 MeV [8.714 MeV] (A_Ho:1)
165Ho67 + D* --> 154Sm62 + 13C6 + 17.568 MeV [3.552 MeV] (A_Ho:2)
165Ho67 + D* --> 158Gd64 + 9Be4 + 7.580 MeV [-6.436 MeV] (A_Ho:3)
165Ho67 + D* --> 163Dy66 + 4He2 + 12.193 MeV [-1.823 MeV] (A_Ho:4)
165Ho67 + D* --> 167Er68 + 11.528 MeV [-2.488 MeV] (A_Ho:5)

165Ho67 + 2 D* --> 150Nd60 + 19F9 + 36.544 MeV [8.206 MeV] (A_Ho:6)
165Ho67 + 2 D* --> 154Sm62 + 15N7 + 33.727 MeV [5.389 MeV] (A_Ho:7)
165Ho67 + 2 D* --> 158Gd64 + 11B5 + 23.396 MeV [-4.942 MeV] (A_Ho:8)
165Ho67 + 2 D* --> 162Dy66 + 7Li3 + 14.646 MeV [-13.692 MeV] (A_Ho:9)
165Ho67 + 2 D* --> 163Dy66 + 6Li3 + 13.667 MeV [-14.671 MeV] (A_Ho:10)
165Ho67 + 2 D* --> 165Ho67 + 4He2 + 23.847 MeV [-4.491 MeV] (A_Ho:11)
165Ho67 + 2 D* --> 167Er68 + 2H1 + 11.528 MeV [-16.810 MeV] (A_Ho:12)
165Ho67 + 2 D* --> 168Er68 + 1H1 + 17.075 MeV [-11.263 MeV] (A_Ho:13)
165Ho67 + 2 D* --> 169Tm69 + 22.647 MeV [-5.691 MeV] (A_Ho:14)

165Ho67 + 3 D* --> 150Nd60 + 21Ne10 + 53.924 MeV [10.961 MeV] (A_Ho:15)
165Ho67 + 3 D* --> 154Sm62 + 17O8 + 47.773 MeV [4.810 MeV] (A_Ho:16)
165Ho67 + 3 D* --> 158Gd64 + 13C6 + 42.074 MeV [-0.888 MeV] (A_Ho:17)
165Ho67 + 3 D* --> 162Dy66 + 9Be4 + 31.342 MeV [-11.621 MeV] (A_Ho:18)
165Ho67 + 3 D* --> 165Ho67 + 6Li3 + 25.320 MeV [-17.642 MeV] (A_Ho:19)
165Ho67 + 3 D* --> 167Er68 + 4He2 + 35.374 MeV [-7.588 MeV] (A_Ho:20)
165Ho67 + 3 D* --> 168Er68 + 3He2 + 22.568 MeV [-20.395 MeV] (A_Ho:21)
165Ho67 + 3 D* --> 169Tm69 + 2H1 + 22.647 MeV [-20.316 MeV] (A_Ho:22)
165Ho67 + 3 D* --> 171Yb70 + 33.815 MeV [-9.148 MeV] (A_Ho:23)

165Ho67 + 4 D* --> 136Xe54 + 37Cl17 + 105.825 MeV [47.936 MeV] (A_Ho:24)
165Ho67 + 4 D* --> 150Nd60 + 23Na11 + 70.858 MeV [12.969 MeV] (A_Ho:25)
165Ho67 + 4 D* --> 154Sm62 + 19F9 + 61.587 MeV [3.698 MeV] (A_Ho:26)
165Ho67 + 4 D* --> 158Gd64 + 15N7 + 58.234 MeV [00.345 MeV] (A_Ho:27)
165Ho67 + 4 D* --> 162Dy66 + 11B5 + 47.157 MeV [-10.732 MeV] (A_Ho:28)
165Ho67 + 4 D* --> 163Dy66 + 10B5 + 41.974 MeV [-15.915 MeV] (A_Ho:29)
165Ho67 + 4 D* --> 166Er68 + 7Li3 + 37.662 MeV [-20.227 MeV] (A_Ho:30)
165Ho67 + 4 D* --> 167Er68 + 6Li3 + 36.848 MeV [-21.041 MeV] (A_Ho:31)
165Ho67 + 4 D* --> 169Tm69 + 4He2 + 46.493 MeV [-11.396 MeV] (A_Ho:32)
165Ho67 + 4 D* --> 171Yb70 + 2H1 + 33.815 MeV [-24.074 MeV] (A_Ho:33)
165Ho67 + 4 D* --> 172Yb70 + 1H1 + 39.610 MeV [-18.279 MeV] (A_Ho:34)

165Ho67 + 5 D* --> 150Nd60 + 25Mg12 + 87.657 MeV [14.542 MeV] (A_Ho:35)
165Ho67 + 5 D* --> 154Sm62 + 21Ne10 + 78.967 MeV [5.853 MeV] (A_Ho:36)
165Ho67 + 5 D* --> 157Gd64 + 18O8 + 72.386 MeV [-0.728 MeV] (A_Ho:37)
165Ho67 + 5 D* --> 158Gd64 + 17O8 + 72.280 MeV [-0.835 MeV] (A_Ho:38)

165Ho67 + 5 D* --> 162Dy66 + 13C6 + 65.836 MeV [-7.278 MeV] (A_Ho:39)
165Ho67 + 5 D* --> 163Dy66 + 12C6 + 67.161 MeV [-5.954 MeV] (A_Ho:40)
165Ho67 + 5 D* --> 165Ho67 + 10B5 + 53.628 MeV [-19.486 MeV] (A_Ho:41)
165Ho67 + 5 D* --> 166Er68 + 9Be4 + 54.358 MeV [-18.756 MeV] (A_Ho:42)
165Ho67 + 5 D* --> 169Tm69 + 6Li3 + 47.967 MeV [-25.147 MeV] (A_Ho:43)
165Ho67 + 5 D* --> 171Yb70 + 4He2 + 57.661 MeV [-15.453 MeV] (A_Ho:44)
165Ho67 + 5 D* --> 172Yb70 + 3He2 + 45.103 MeV [-28.011 MeV] (A_Ho:45)

165Ho67 + 6 D* --> 136Xe54 + 41K19 + 135.894 MeV [47.258 MeV] (A_Ho:46)
165Ho67 + 6 D* --> 150Nd60 + 27Al13 + 104.796 MeV [16.160 MeV] (A_Ho:47)
165Ho67 + 6 D* --> 154Sm62 + 23Na11 + 95.901 MeV [7.265 MeV] (A_Ho:48)
165Ho67 + 6 D* --> 158Gd64 + 19F9 + 86.094 MeV [-2.542 MeV] (A_Ho:49)
165Ho67 + 6 D* --> 159Tb65 + 18O8 + 84.230 MeV [-4.406 MeV] (A_Ho:50)
165Ho67 + 6 D* --> 162Dy66 + 15N7 + 81.995 MeV [-6.641 MeV] (A_Ho:51)
165Ho67 + 6 D* --> 163Dy66 + 14N7 + 77.433 MeV [-11.203 MeV] (A_Ho:52)
165Ho67 + 6 D* --> 165Ho67 + 12C6 + 78.814 MeV [-9.822 MeV] (A_Ho:53)
165Ho67 + 6 D* --> 166Er68 + 11B5 + 70.173 MeV [-18.463 MeV] (A_Ho:54)
165Ho67 + 6 D* --> 167Er68 + 10B5 + 65.156 MeV [-23.481 MeV] (A_Ho:55)
165Ho67 + 6 D* --> 170Yb70 + 7Li3 + 59.771 MeV [-28.866 MeV] (A_Ho:56)
165Ho67 + 6 D* --> 171Yb70 + 6Li3 + 59.135 MeV [-29.501 MeV] (A_Ho:57)
165Ho67 + 6 D* --> 176Hf72 + 1H1 + 61.198 MeV [-27.438 MeV] (A_Ho:58)

165Ho67 + 7 D* --> 130Te52 + 49Ti22 + 162.956 MeV [58.502 MeV] (A_Ho:59)
165Ho67 + 7 D* --> 131Xe54 + 48Ca20 + 159.675 MeV [55.221 MeV] (A_Ho:60)
165Ho67 + 7 D* --> 136Xe54 + 43Ca20 + 151.879 MeV [47.426 MeV] (A_Ho:61)
165Ho67 + 7 D* --> 150Nd60 + 29Si14 + 122.630 MeV [18.177 MeV] (A_Ho:62)
165Ho67 + 7 D* --> 154Sm62 + 25Mg12 + 112.700 MeV [8.247 MeV] (A_Ho:63)
165Ho67 + 7 D* --> 157Gd64 + 22Ne10 + 105.901 MeV [1.448 MeV] (A_Ho:64)
165Ho67 + 7 D* --> 158Gd64 + 21Ne10 + 103.474 MeV [-0.979 MeV] (A_Ho:65)
165Ho67 + 7 D* --> 161Dy66 + 18O8 + 95.888 MeV [-8.565 MeV] (A_Ho:66)
165Ho67 + 7 D* --> 162Dy66 + 17O8 + 96.041 MeV [-8.412 MeV] (A_Ho:67)
165Ho67 + 7 D* --> 163Dy66 + 16O8 + 98.169 MeV [-6.284 MeV] (A_Ho:68)
165Ho67 + 7 D* --> 165Ho67 + 14N7 + 89.087 MeV [-15.367 MeV] (A_Ho:69)
165Ho67 + 7 D* --> 166Er68 + 13C6 + 88.852 MeV [-15.601 MeV] (A_Ho:70)
165Ho67 + 7 D* --> 167Er68 + 12C6 + 90.342 MeV [-14.111 MeV] (A_Ho:71)
165Ho67 + 7 D* --> 169Tm69 + 10B5 + 76.275 MeV [-28.179 MeV] (A_Ho:72)
165Ho67 + 7 D* --> 170Yb70 + 9Be4 + 76.467 MeV [-27.987 MeV] (A_Ho:73)
165Ho67 + 7 D* --> 176Hf72 + 3He2 + 66.692 MeV [-37.762 MeV] (A_Ho:74)

165Ho67 + 8 D* --> 130Te52 + 51V23 + 179.734 MeV [59.171 MeV] (A_Ho:75)
165Ho67 + 8 D* --> 136Xe54 + 45Sc21 + 167.674 MeV [47.111 MeV] (A_Ho:76)
165Ho67 + 8 D* --> 133Cs55 + 48Ca20 + 172.466 MeV [51.903 MeV] (A_Ho:77)
165Ho67 + 8 D* --> 150Nd60 + 31P15 + 138.312 MeV [17.749 MeV] (A_Ho:78)
165Ho67 + 8 D* --> 154Sm62 + 27Al13 + 129.839 MeV [9.276 MeV] (A_Ho:79)
165Ho67 + 8 D* --> 158Gd64 + 23Na11 + 120.408 MeV [-0.155 MeV] (A_Ho:80)
165Ho67 + 8 D* --> 159Tb65 + 22Ne10 + 117.745 MeV [-2.818 MeV] (A_Ho:81)
165Ho67 + 8 D* --> 162Dy66 + 19F9 + 109.855 MeV [-10.708 MeV] (A_Ho:82)
165Ho67 + 8 D* --> 165Ho67 + 16O8 + 109.823 MeV [-10.740 MeV] (A_Ho:83)
165Ho67 + 8 D* --> 166Er68 + 15N7 + 105.011 MeV [-15.552 MeV] (A_Ho:84)
165Ho67 + 8 D* --> 167Er68 + 14N7 + 100.615 MeV [-19.949 MeV] (A_Ho:85)
165Ho67 + 8 D* --> 169Tm69 + 12C6 + 101.461 MeV [-19.102 MeV] (A_Ho:86)
165Ho67 + 8 D* --> 170Yb70 + 11B5 + 92.282 MeV [-28.281 MeV] (A_Ho:87)
165Ho67 + 8 D* --> 171Yb70 + 10B5 + 87.443 MeV [-33.121 MeV] (A_Ho:88)
165Ho67 + 8 D* --> 174Hf72 + 7Li3 + 81.120 MeV [-39.443 MeV] (A_Ho:89)

165Ho67 + 8 D* --> 180W74 + 1H1 + 82.537 MeV [-38.026 MeV] (A_Ho:90)

165Ho67 + 9 D* --> 130Te52 + 53Cr24 + 195.953 MeV [58.989 MeV] (A_Ho:91)
165Ho67 + 9 D* --> 134Xe54 + 49Ti22 + 190.000 MeV [53.036 MeV] (A_Ho:92)
165Ho67 + 9 D* --> 136Xe54 + 47Ti22 + 184.674 MeV [47.711 MeV] (A_Ho:93)
165Ho67 + 9 D* --> 135Ba56 + 48Ca20 + 185.382 MeV [48.418 MeV] (A_Ho:94)
165Ho67 + 9 D* --> 137Ba56 + 46Ca20 + 184.173 MeV [47.209 MeV] (A_Ho:95)
165Ho67 + 9 D* --> 150Nd60 + 33S16 + 153.593 MeV [16.629 MeV] (A_Ho:96)
165Ho67 + 9 D* --> 154Sm62 + 29Si14 + 147.674 MeV [10.710 MeV] (A_Ho:97)
165Ho67 + 9 D* --> 157Gd64 + 26Mg12 + 140.362 MeV [3.398 MeV] (A_Ho:98)
165Ho67 + 9 D* --> 158Gd64 + 25Mg12 + 137.207 MeV [00.243 MeV] (A_Ho:99)
165Ho67 + 9 D* --> 161Dy66 + 22Ne10 + 129.403 MeV [-7.561 MeV] (A_Ho:100)
165Ho67 + 9 D* --> 162Dy66 + 21Ne10 + 127.236 MeV [-9.728 MeV] (A_Ho:101)
165Ho67 + 9 D* --> 163Dy66 + 20Ne10 + 126.745 MeV [-10.218 MeV] (A_Ho:102)
165Ho67 + 9 D* --> 166Er68 + 17O8 + 119.057 MeV [-17.906 MeV] (A_Ho:103)
165Ho67 + 9 D* --> 167Er68 + 16O8 + 121.351 MeV [-15.613 MeV] (A_Ho:104)
165Ho67 + 9 D* --> 169Tm69 + 14N7 + 111.733 MeV [-25.230 MeV] (A_Ho:105)
165Ho67 + 9 D* --> 170Yb70 + 13C6 + 110.961 MeV [-26.003 MeV] (A_Ho:106)
165Ho67 + 9 D* --> 171Yb70 + 12C6 + 112.629 MeV [-24.335 MeV] (A_Ho:107)
165Ho67 + 9 D* --> 174Hf72 + 9Be4 + 97.816 MeV [-39.148 MeV] (A_Ho:108)
165Ho67 + 9 D* --> 180W74 + 3He2 + 88.030 MeV [-48.934 MeV] (A_Ho:109)

165Ho67 + 10 D* --> 130Te52 + 55Mn25 + 211.515 MeV [57.861 MeV] (A_Ho:110)
165Ho67 + 10 D* --> 134Xe54 + 51V23 + 206.779 MeV [53.125 MeV] (A_Ho:111)
165Ho67 + 10 D* --> 139La57 + 46Ca20 + 196.819 MeV [43.166 MeV] (A_Ho:112)
165Ho67 + 10 D* --> 148Nd60 + 37Cl17 + 175.628 MeV [21.974 MeV] (A_Ho:113)
165Ho67 + 10 D* --> 150Nd60 + 35Cl17 + 169.156 MeV [15.502 MeV] (A_Ho:114)
165Ho67 + 10 D* --> 154Sm62 + 31P15 + 163.355 MeV [9.702 MeV] (A_Ho:115)
165Ho67 + 10 D* --> 158Gd64 + 27Al13 + 154.346 MeV [00.693 MeV] (A_Ho:116)
165Ho67 + 10 D* --> 159Tb65 + 26Mg12 + 152.206 MeV [-1.447 MeV] (A_Ho:117)
165Ho67 + 10 D* --> 162Dy66 + 23Na11 + 144.169 MeV [-9.484 MeV] (A_Ho:118)
165Ho67 + 10 D* --> 165Ho67 + 20Ne10 + 138.399 MeV [-15.254 MeV] (A_Ho:119)
165Ho67 + 10 D* --> 166Er68 + 19F9 + 132.872 MeV [-20.782 MeV] (A_Ho:120)
165Ho67 + 10 D* --> 169Tm69 + 16O8 + 132.470 MeV [-21.184 MeV] (A_Ho:121)
165Ho67 + 10 D* --> 170Yb70 + 15N7 + 127.120 MeV [-26.533 MeV] (A_Ho:122)
165Ho67 + 10 D* --> 171Yb70 + 14N7 + 122.901 MeV [-30.752 MeV] (A_Ho:123)
165Ho67 + 10 D* --> 174Hf72 + 11B5 + 113.631 MeV [-40.022 MeV] (A_Ho:124)
165Ho67 + 10 D* --> 184Os76 + 1H1 + 103.420 MeV [-50.234 MeV] (A_Ho:125)

165Ho67 + 11 D* --> 130Te52 + 57Fe26 + 227.120 MeV [56.490 MeV] (A_Ho:126)
165Ho67 + 11 D* --> 134Xe54 + 53Cr24 + 222.998 MeV [52.368 MeV] (A_Ho:127)
165Ho67 + 11 D* --> 137Ba56 + 50Ti22 + 218.736 MeV [48.106 MeV] (A_Ho:128)
165Ho67 + 11 D* --> 138Ba56 + 49Ti22 + 216.409 MeV [45.779 MeV] (A_Ho:129)
165Ho67 + 11 D* --> 154Sm62 + 33S16 + 178.636 MeV [8.006 MeV] (A_Ho:130)
165Ho67 + 11 D* --> 157Gd64 + 30Si14 + 174.852 MeV [4.222 MeV] (A_Ho:131)
165Ho67 + 11 D* --> 158Gd64 + 29Si14 + 172.180 MeV [1.550 MeV] (A_Ho:132)
165Ho67 + 11 D* --> 161Dy66 + 26Mg12 + 163.864 MeV [-6.766 MeV] (A_Ho:133)
165Ho67 + 11 D* --> 162Dy66 + 25Mg12 + 160.968 MeV [-9.662 MeV] (A_Ho:134)
165Ho67 + 11 D* --> 163Dy66 + 24Mg12 + 159.908 MeV [-10.722 MeV] (A_Ho:135)
165Ho67 + 11 D* --> 166Er68 + 21Ne10 + 150.252 MeV [-20.378 MeV] (A_Ho:136)
165Ho67 + 11 D* --> 167Er68 + 20Ne10 + 149.927 MeV [-20.703 MeV] (A_Ho:137)
165Ho67 + 11 D* --> 170Yb70 + 17O8 + 141.166 MeV [-29.464 MeV] (A_Ho:138)
165Ho67 + 11 D* --> 171Yb70 + 16O8 + 143.638 MeV [-26.992 MeV] (A_Ho:139)
165Ho67 + 11 D* --> 174Hf72 + 13C6 + 132.310 MeV [-38.320 MeV] (A_Ho:140)

165Ho67 + 11 D* --> 184Os76 + 3He2 + 108.913 MeV [-61.717 MeV] (A_Ho:141)

165Ho67 + 12 D* --> 124Sn50 + 65Cu29 + 248.225 MeV [60.333 MeV] (A_Ho:142)
165Ho67 + 12 D* --> 130Te52 + 59Co27 + 242.304 MeV [54.412 MeV] (A_Ho:143)
165Ho67 + 12 D* --> 134Xe54 + 55Mn25 + 238.559 MeV [50.667 MeV] (A_Ho:144)
165Ho67 + 12 D* --> 138Ba56 + 51V23 + 233.187 MeV [45.295 MeV] (A_Ho:145)
165Ho67 + 12 D* --> 139La57 + 50Ti22 + 231.382 MeV [43.490 MeV] (A_Ho:146)
165Ho67 + 12 D* --> 141Pr59 + 48Ca20 + 222.959 MeV [35.067 MeV] (A_Ho:147)
165Ho67 + 12 D* --> 148Nd60 + 41K19 + 205.697 MeV [17.805 MeV] (A_Ho:148)
165Ho67 + 12 D* --> 150Nd60 + 39K19 + 200.221 MeV [12.329 MeV] (A_Ho:149)
165Ho67 + 12 D* --> 152Sm62 + 37Cl17 + 199.254 MeV [11.363 MeV] (A_Ho:150)
165Ho67 + 12 D* --> 154Sm62 + 35Cl17 + 194.199 MeV [6.307 MeV] (A_Ho:151)
165Ho67 + 12 D* --> 153Eu63 + 36S16 + 196.762 MeV [8.870 MeV] (A_Ho:152)
165Ho67 + 12 D* --> 158Gd64 + 31P15 + 187.862 MeV [-0.030 MeV] (A_Ho:153)
165Ho67 + 12 D* --> 159Tb65 + 30Si14 + 186.696 MeV [-1.196 MeV] (A_Ho:154)
165Ho67 + 12 D* --> 162Dy66 + 27Al13 + 178.108 MeV [-9.784 MeV] (A_Ho:155)
165Ho67 + 12 D* --> 165Ho67 + 24Mg12 + 171.562 MeV [-16.330 MeV] (A_Ho:156)
165Ho67 + 12 D* --> 166Er68 + 23Na11 + 167.186 MeV [-20.706 MeV] (A_Ho:157)
165Ho67 + 12 D* --> 169Tm69 + 20Ne10 + 161.046 MeV [-26.846 MeV] (A_Ho:158)
165Ho67 + 12 D* --> 170Yb70 + 19F9 + 154.980 MeV [-32.911 MeV] (A_Ho:159)
165Ho67 + 12 D* --> 174Hf72 + 15N7 + 148.469 MeV [-39.422 MeV] (A_Ho:160)

---------- Equations follow for Erbium, Er, element 68 ----------

162Er68 + D* --> 124Sn50 + 40K19 + 68.565 MeV [54.254 MeV] (A_Er:1)
162Er68 + D* --> 137Ba56 + 27Al13 + 51.711 MeV [37.400 MeV] (A_Er:2)
162Er68 + D* --> 138La57 + 26Mg12 + 49.532 MeV [35.221 MeV] (A_Er:3)
162Er68 + D* --> 139La57 + 25Mg12 + 47.217 MeV [32.906 MeV] (A_Er:4)
162Er68 + D* --> 145Nd60 + 19F9 + 29.718 MeV [15.406 MeV] (A_Er:5)
162Er68 + D* --> 149Sm62 + 15N7 + 23.834 MeV [9.522 MeV] (A_Er:6)
162Er68 + D* --> 150Sm62 + 14N7 + 20.987 MeV [6.676 MeV] (A_Er:7)
162Er68 + D* --> 151Eu63 + 13C6 + 18.327 MeV [4.016 MeV] (A_Er:8)
162Er68 + D* --> 154Gd64 + 10B5 + 8.456 MeV [-5.856 MeV] (A_Er:9)
162Er68 + D* --> 158Dy66 + 6Li3 + 3.118 MeV [-11.193 MeV] (A_Er:10)

162Er68 + 2 D* --> 84Kr36 + 82Se34 + 119.954 MeV [91.027 MeV] (A_Er:11)
162Er68 + 2 D* --> 86Kr36 + 80Se34 + 120.954 MeV [92.028 MeV] (A_Er:12)
162Er68 + 2 D* --> 96Zr40 + 70Zn30 + 114.936 MeV [86.010 MeV] (A_Er:13)
162Er68 + 2 D* --> 116Cd48 + 50Ti22 + 100.075 MeV [71.148 MeV] (A_Er:14)
162Er68 + 2 D* --> 118Sn50 + 48Ca20 + 95.799 MeV [66.873 MeV] (A_Er:15)
162Er68 + 2 D* --> 120Sn50 + 46Ca20 + 94.169 MeV [65.242 MeV] (A_Er:16)
162Er68 + 2 D* --> 122Sn50 + 44Ca20 + 91.343 MeV [62.417 MeV] (A_Er:17)
162Er68 + 2 D* --> 124Sn50 + 42Ca20 + 86.713 MeV [57.786 MeV] (A_Er:18)
162Er68 + 2 D* --> 126Te52 + 40Ar18 + 85.033 MeV [56.107 MeV] (A_Er:19)
162Er68 + 2 D* --> 128Te52 + 38Ar18 + 83.635 MeV [54.709 MeV] (A_Er:20)
162Er68 + 2 D* --> 130Te52 + 36Ar18 + 77.512 MeV [48.585 MeV] (A_Er:21)
162Er68 + 2 D* --> 130Xe54 + 36S16 + 80.475 MeV [51.548 MeV] (A_Er:22)
162Er68 + 2 D* --> 132Xe54 + 34S16 + 79.141 MeV [50.215 MeV] (A_Er:23)
162Er68 + 2 D* --> 134Xe54 + 32S16 + 74.069 MeV [45.143 MeV] (A_Er:24)
162Er68 + 2 D* --> 136Ba56 + 30Si14 + 73.249 MeV [44.322 MeV] (A_Er:25)
162Er68 + 2 D* --> 137Ba56 + 29Si14 + 69.545 MeV [40.619 MeV] (A_Er:26)
162Er68 + 2 D* --> 138Ba56 + 28Si14 + 69.683 MeV [40.757 MeV] (A_Er:27)
162Er68 + 2 D* --> 139La57 + 27Al13 + 64.357 MeV [35.430 MeV] (A_Er:28)
162Er68 + 2 D* --> 140Ce58 + 26Mg12 + 64.227 MeV [35.300 MeV] (A_Er:29)

162Er68 + 2 D* --> 142Ce58 + 24Mg12 + 58.401 MeV [29.474 MeV] (A_Er:30)
162Er68 + 2 D* --> 144Nd60 + 22Ne10 + 51.707 MeV [22.780 MeV] (A_Er:31)
162Er68 + 2 D* --> 145Nd60 + 21Ne10 + 47.098 MeV [18.171 MeV] (A_Er:32)
162Er68 + 2 D* --> 146Nd60 + 20Ne10 + 47.902 MeV [18.975 MeV] (A_Er:33)
162Er68 + 2 D* --> 148Sm62 + 18O8 + 40.053 MeV [11.126 MeV] (A_Er:34)
162Er68 + 2 D* --> 149Sm62 + 17O8 + 37.880 MeV [8.953 MeV] (A_Er:35)
162Er68 + 2 D* --> 150Sm62 + 16O8 + 41.723 MeV [12.797 MeV] (A_Er:36)
162Er68 + 2 D* --> 151Eu63 + 15N7 + 34.486 MeV [5.560 MeV] (A_Er:37)
162Er68 + 2 D* --> 154Gd64 + 12C6 + 33.642 MeV [4.716 MeV] (A_Er:38)
162Er68 + 2 D* --> 162Er68 + 4He2 + 23.847 MeV [-5.080 MeV] (A_Er:39)

162Er68 + 3 D* --> 128Te52 + 40K19 + 95.592 MeV [51.749 MeV] (A_Er:40)
162Er68 + 3 D* --> 131Xe54 + 37Cl17 + 93.241 MeV [49.398 MeV] (A_Er:41)
162Er68 + 3 D* --> 137Ba56 + 31P15 + 85.227 MeV [41.383 MeV] (A_Er:42)
162Er68 + 3 D* --> 138La57 + 30Si14 + 84.022 MeV [40.179 MeV] (A_Er:43)
162Er68 + 3 D* --> 139La57 + 29Si14 + 82.191 MeV [38.348 MeV] (A_Er:44)
162Er68 + 3 D* --> 145Nd60 + 23Na11 + 64.032 MeV [20.188 MeV] (A_Er:45)
162Er68 + 3 D* --> 149Sm62 + 19F9 + 51.694 MeV [7.851 MeV] (A_Er:46)
162Er68 + 3 D* --> 151Eu63 + 17O8 + 48.532 MeV [4.689 MeV] (A_Er:47)
162Er68 + 3 D* --> 154Gd64 + 14N7 + 43.914 MeV [00.071 MeV] (A_Er:48)
162Er68 + 3 D* --> 158Dy66 + 10B5 + 31.426 MeV [-12.417 MeV] (A_Er:49)
162Er68 + 3 D* --> 162Er68 + 6Li3 + 25.320 MeV [-18.523 MeV] (A_Er:50)

162Er68 + 4 D* --> 86Kr36 + 84Kr36 + 151.897 MeV [92.838 MeV] (A_Er:51)
162Er68 + 4 D* --> 88Sr38 + 82Se34 + 151.716 MeV [92.657 MeV] (A_Er:52)
162Er68 + 4 D* --> 94Zr40 + 76Ge32 + 146.680 MeV [87.621 MeV] (A_Er:53)
162Er68 + 4 D* --> 96Zr40 + 74Ge32 + 145.065 MeV [86.006 MeV] (A_Er:54)
162Er68 + 4 D* --> 100Mo42 + 70Zn30 + 141.949 MeV [82.890 MeV] (A_Er:55)
162Er68 + 4 D* --> 116Cd48 + 54Cr24 + 131.852 MeV [72.793 MeV] (A_Er:56)
162Er68 + 4 D* --> 120Sn50 + 50Ti22 + 128.732 MeV [69.673 MeV] (A_Er:57)
162Er68 + 4 D* --> 122Sn50 + 48Ti22 + 124.634 MeV [65.575 MeV] (A_Er:58)
162Er68 + 4 D* --> 124Sn50 + 46Ti22 + 118.560 MeV [59.501 MeV] (A_Er:59)
162Er68 + 4 D* --> 122Te52 + 48Ca20 + 120.728 MeV [61.669 MeV] (A_Er:60)
162Er68 + 4 D* --> 124Te52 + 46Ca20 + 119.860 MeV [60.801 MeV] (A_Er:61)
162Er68 + 4 D* --> 126Te52 + 44Ca20 + 117.733 MeV [58.674 MeV] (A_Er:62)
162Er68 + 4 D* --> 128Te52 + 42Ca20 + 113.739 MeV [54.680 MeV] (A_Er:63)
162Er68 + 4 D* --> 130Te52 + 40Ca20 + 108.398 MeV [49.339 MeV] (A_Er:64)
162Er68 + 4 D* --> 130Xe54 + 40Ar18 + 111.122 MeV [52.063 MeV] (A_Er:65)
162Er68 + 4 D* --> 132Xe54 + 38Ar18 + 110.195 MeV [51.136 MeV] (A_Er:66)
162Er68 + 4 D* --> 134Xe54 + 36Ar18 + 104.556 MeV [45.497 MeV] (A_Er:67)
162Er68 + 4 D* --> 133Cs55 + 37Cl17 + 106.033 MeV [46.974 MeV] (A_Er:68)
162Er68 + 4 D* --> 134Ba56 + 36S16 + 105.814 MeV [46.755 MeV] (A_Er:69)
162Er68 + 4 D* --> 136Ba56 + 34S16 + 105.019 MeV [45.960 MeV] (A_Er:70)
162Er68 + 4 D* --> 137Ba56 + 33S16 + 100.507 MeV [41.448 MeV] (A_Er:71)
162Er68 + 4 D* --> 138Ba56 + 32S16 + 100.478 MeV [41.418 MeV] (A_Er:72)
162Er68 + 4 D* --> 139La57 + 31P15 + 97.873 MeV [38.813 MeV] (A_Er:73)
162Er68 + 4 D* --> 140Ce58 + 30Si14 + 98.716 MeV [39.657 MeV] (A_Er:74)
162Er68 + 4 D* --> 142Ce58 + 28Si14 + 92.232 MeV [33.172 MeV] (A_Er:75)
162Er68 + 4 D* --> 144Nd60 + 26Mg12 + 86.168 MeV [27.109 MeV] (A_Er:76)
162Er68 + 4 D* --> 145Nd60 + 25Mg12 + 80.830 MeV [21.771 MeV] (A_Er:77)
162Er68 + 4 D* --> 146Nd60 + 24Mg12 + 81.065 MeV [22.006 MeV] (A_Er:78)
162Er68 + 4 D* --> 148Sm62 + 22Ne10 + 73.567 MeV [14.508 MeV] (A_Er:79)
162Er68 + 4 D* --> 149Sm62 + 21Ne10 + 69.074 MeV [10.015 MeV] (A_Er:80)
162Er68 + 4 D* --> 150Sm62 + 20Ne10 + 70.300 MeV [11.240 MeV] (A_Er:81)

162Er68 + 4 D* --> 151Eu63 + 19F9 + 62.347 MeV [3.288 MeV] (A_Er:82)
162Er68 + 4 D* --> 152Gd64 + 18O8 + 61.696 MeV [2.637 MeV] (A_Er:83)
162Er68 + 4 D* --> 154Gd64 + 16O8 + 64.650 MeV [5.591 MeV] (A_Er:84)
162Er68 + 4 D* --> 158Dy66 + 12C6 + 56.612 MeV [-2.447 MeV] (A_Er:85)

162Er68 + 5 D* --> 122Sn50 + 50V23 + 138.503 MeV [63.931 MeV] (A_Er:86)
162Er68 + 5 D* --> 123Sb51 + 49Ti22 + 137.119 MeV [62.546 MeV] (A_Er:87)
162Er68 + 5 D* --> 131Xe54 + 41K19 + 123.310 MeV [48.738 MeV] (A_Er:88)
162Er68 + 5 D* --> 132Xe54 + 40K19 + 122.152 MeV [47.579 MeV] (A_Er:89)
162Er68 + 5 D* --> 135Ba56 + 37Cl17 + 118.948 MeV [44.376 MeV] (A_Er:90)
162Er68 + 5 D* --> 137Ba56 + 35Cl17 + 116.071 MeV [41.498 MeV] (A_Er:91)
162Er68 + 5 D* --> 138La57 + 34S16 + 115.792 MeV [41.220 MeV] (A_Er:92)
162Er68 + 5 D* --> 139La57 + 33S16 + 113.153 MeV [38.581 MeV] (A_Er:93)
162Er68 + 5 D* --> 145Nd60 + 27Al13 + 97.970 MeV [23.397 MeV] (A_Er:94)
162Er68 + 5 D* --> 149Sm62 + 23Na11 + 86.008 MeV [11.435 MeV] (A_Er:95)
162Er68 + 5 D* --> 151Eu63 + 21Ne10 + 79.727 MeV [5.154 MeV] (A_Er:96)
162Er68 + 5 D* --> 158Dy66 + 14N7 + 66.885 MeV [-7.688 MeV] (A_Er:97)
162Er68 + 5 D* --> 162Er68 + 10B5 + 53.628 MeV [-20.945 MeV] (A_Er:98)

162Er68 + 6 D* --> 87Rb37 + 87Rb37 + 181.667 MeV [91.286 MeV] (A_Er:99)
162Er68 + 6 D* --> 88Sr38 + 86Kr36 + 183.659 MeV [93.278 MeV] (A_Er:100)
162Er68 + 6 D* --> 92Zr40 + 82Se34 + 178.520 MeV [88.139 MeV] (A_Er:101)
162Er68 + 6 D* --> 94Zr40 + 80Se34 + 177.498 MeV [87.118 MeV] (A_Er:102)
162Er68 + 6 D* --> 96Zr40 + 78Se34 + 174.941 MeV [84.560 MeV] (A_Er:103)
162Er68 + 6 D* --> 98Mo42 + 76Ge32 + 173.796 MeV [83.416 MeV] (A_Er:104)
162Er68 + 6 D* --> 100Mo42 + 74Ge32 + 172.078 MeV [81.698 MeV] (A_Er:105)
162Er68 + 6 D* --> 104Ru44 + 70Zn30 + 170.125 MeV [79.744 MeV] (A_Er:106)
162Er68 + 6 D* --> 110Pd46 + 64Ni28 + 167.920 MeV [77.539 MeV] (A_Er:107)
162Er68 + 6 D* --> 116Cd48 + 58Fe26 + 163.345 MeV [72.964 MeV] (A_Er:108)
162Er68 + 6 D* --> 120Sn50 + 54Cr24 + 160.509 MeV [70.128 MeV] (A_Er:109)
162Er68 + 6 D* --> 122Sn50 + 52Cr24 + 157.835 MeV [67.454 MeV] (A_Er:110)
162Er68 + 6 D* --> 124Sn50 + 50Cr24 + 150.968 MeV [60.587 MeV] (A_Er:111)
162Er68 + 6 D* --> 123Sb51 + 51V23 + 153.897 MeV [63.516 MeV] (A_Er:112)
162Er68 + 6 D* --> 124Te52 + 50Ti22 + 154.423 MeV [64.042 MeV] (A_Er:113)
162Er68 + 6 D* --> 125Te52 + 49Ti22 + 150.053 MeV [59.672 MeV] (A_Er:114)
162Er68 + 6 D* --> 126Te52 + 48Ti22 + 151.024 MeV [60.643 MeV] (A_Er:115)
162Er68 + 6 D* --> 128Te52 + 46Ti22 + 145.587 MeV [55.206 MeV] (A_Er:116)
162Er68 + 6 D* --> 126Xe54 + 48Ca20 + 145.854 MeV [55.473 MeV] (A_Er:117)
162Er68 + 6 D* --> 128Xe54 + 46Ca20 + 145.467 MeV [55.086 MeV] (A_Er:118)
162Er68 + 6 D* --> 130Xe54 + 44Ca20 + 143.822 MeV [53.441 MeV] (A_Er:119)
162Er68 + 6 D* --> 131Xe54 + 43Ca20 + 139.296 MeV [48.915 MeV] (A_Er:120)
162Er68 + 6 D* --> 132Xe54 + 42Ca20 + 140.299 MeV [49.918 MeV] (A_Er:121)
162Er68 + 6 D* --> 134Xe54 + 40Ca20 + 135.442 MeV [45.062 MeV] (A_Er:122)
162Er68 + 6 D* --> 133Cs55 + 41K19 + 136.102 MeV [45.721 MeV] (A_Er:123)
162Er68 + 6 D* --> 134Ba56 + 40Ar18 + 136.461 MeV [46.081 MeV] (A_Er:124)
162Er68 + 6 D* --> 136Ba56 + 38Ar18 + 136.073 MeV [45.692 MeV] (A_Er:125)
162Er68 + 6 D* --> 138Ba56 + 36Ar18 + 130.965 MeV [40.584 MeV] (A_Er:126)
162Er68 + 6 D* --> 139La57 + 35Cl17 + 128.717 MeV [38.336 MeV] (A_Er:127)
162Er68 + 6 D* --> 138Ce58 + 36S16 + 130.704 MeV [40.323 MeV] (A_Er:128)
162Er68 + 6 D* --> 140Ce58 + 34S16 + 130.487 MeV [40.106 MeV] (A_Er:129)
162Er68 + 6 D* --> 142Ce58 + 32S16 + 123.026 MeV [32.645 MeV] (A_Er:130)
162Er68 + 6 D* --> 144Nd60 + 30Si14 + 120.658 MeV [30.277 MeV] (A_Er:131)
162Er68 + 6 D* --> 145Nd60 + 29Si14 + 115.804 MeV [25.423 MeV] (A_Er:132)
162Er68 + 6 D* --> 146Nd60 + 28Si14 + 114.896 MeV [24.515 MeV] (A_Er:133)

162Er68 + 6 D* --> 148Sm62 + 26Mg12 + 108.028 MeV [17.648 MeV] (A_Er:134)
162Er68 + 6 D* --> 149Sm62 + 25Mg12 + 102.806 MeV [12.426 MeV] (A_Er:135)
162Er68 + 6 D* --> 150Sm62 + 24Mg12 + 103.463 MeV [13.082 MeV] (A_Er:136)
162Er68 + 6 D* --> 151Eu63 + 23Na11 + 96.661 MeV [6.280 MeV] (A_Er:137)
162Er68 + 6 D* --> 152Gd64 + 22Ne10 + 95.211 MeV [4.830 MeV] (A_Er:138)
162Er68 + 6 D* --> 154Gd64 + 20Ne10 + 93.227 MeV [2.846 MeV] (A_Er:139)
162Er68 + 6 D* --> 156Dy66 + 18O8 + 83.783 MeV [-6.598 MeV] (A_Er:140)
162Er68 + 6 D* --> 158Dy66 + 16O8 + 87.621 MeV [-2.760 MeV] (A_Er:141)
162Er68 + 6 D* --> 162Er68 + 12C6 + 78.814 MeV [-11.567 MeV] (A_Er:142)

162Er68 + 7 D* --> 123Sb51 + 53Cr24 + 170.116 MeV [63.634 MeV] (A_Er:143)
162Er68 + 7 D* --> 125Te52 + 51V23 + 166.831 MeV [60.349 MeV] (A_Er:144)
162Er68 + 7 D* --> 126Te52 + 50V23 + 164.894 MeV [58.411 MeV] (A_Er:145)
162Er68 + 7 D* --> 127I53 + 49Ti22 + 163.149 MeV [56.667 MeV] (A_Er:146)
162Er68 + 7 D* --> 131Xe54 + 45Sc21 + 155.090 MeV [48.608 MeV] (A_Er:147)
162Er68 + 7 D* --> 133Cs55 + 43Ca20 + 152.087 MeV [45.605 MeV] (A_Er:148)
162Er68 + 7 D* --> 135Ba56 + 41K19 + 149.017 MeV [42.535 MeV] (A_Er:149)
162Er68 + 7 D* --> 136Ba56 + 40K19 + 148.030 MeV [41.547 MeV] (A_Er:150)
162Er68 + 7 D* --> 137Ba56 + 39K19 + 147.136 MeV [40.653 MeV] (A_Er:151)
162Er68 + 7 D* --> 138La57 + 38Ar18 + 146.847 MeV [40.364 MeV] (A_Er:152)
162Er68 + 7 D* --> 145Nd60 + 31P15 + 131.485 MeV [25.003 MeV] (A_Er:153)
162Er68 + 7 D* --> 149Sm62 + 27Al13 + 119.946 MeV [13.464 MeV] (A_Er:154)
162Er68 + 7 D* --> 151Eu63 + 25Mg12 + 113.459 MeV [6.977 MeV] (A_Er:155)
162Er68 + 7 D* --> 162Er68 + 14N7 + 89.087 MeV [-17.396 MeV] (A_Er:156)

162Er68 + 8 D* --> 92Zr40 + 86Kr36 + 210.463 MeV [87.588 MeV] (A_Er:157)
162Er68 + 8 D* --> 94Zr40 + 84Kr36 + 208.441 MeV [85.566 MeV] (A_Er:158)
162Er68 + 8 D* --> 96Zr40 + 82Kr36 + 204.775 MeV [81.900 MeV] (A_Er:159)
162Er68 + 8 D* --> 96Mo42 + 82Se34 + 205.128 MeV [82.253 MeV] (A_Er:160)
162Er68 + 8 D* --> 98Mo42 + 80Se34 + 204.615 MeV [81.740 MeV] (A_Er:161)
162Er68 + 8 D* --> 100Mo42 + 78Se34 + 201.954 MeV [79.078 MeV] (A_Er:162)
162Er68 + 8 D* --> 102Ru44 + 76Ge32 + 201.054 MeV [78.179 MeV] (A_Er:163)
162Er68 + 8 D* --> 104Ru44 + 74Ge32 + 200.254 MeV [77.379 MeV] (A_Er:164)
162Er68 + 8 D* --> 108Pd46 + 70Zn30 + 197.832 MeV [74.957 MeV] (A_Er:165)
162Er68 + 8 D* --> 110Pd46 + 68Zn30 + 197.100 MeV [74.224 MeV] (A_Er:166)
162Er68 + 8 D* --> 114Cd48 + 64Ni28 + 195.863 MeV [72.988 MeV] (A_Er:167)
162Er68 + 8 D* --> 116Cd48 + 62Ni28 + 194.209 MeV [71.334 MeV] (A_Er:168)
162Er68 + 8 D* --> 120Sn50 + 58Fe26 + 192.002 MeV [69.127 MeV] (A_Er:169)
162Er68 + 8 D* --> 122Sn50 + 56Fe26 + 189.294 MeV [66.419 MeV] (A_Er:170)
162Er68 + 8 D* --> 124Sn50 + 54Fe26 + 183.232 MeV [60.357 MeV] (A_Er:171)
162Er68 + 8 D* --> 123Sb51 + 55Mn25 + 185.678 MeV [62.803 MeV] (A_Er:172)
162Er68 + 8 D* --> 124Te52 + 54Cr24 + 186.200 MeV [63.325 MeV] (A_Er:173)
162Er68 + 8 D* --> 125Te52 + 53Cr24 + 183.050 MeV [60.175 MeV] (A_Er:174)
162Er68 + 8 D* --> 126Te52 + 52Cr24 + 184.225 MeV [61.350 MeV] (A_Er:175)
162Er68 + 8 D* --> 128Te52 + 50Cr24 + 177.995 MeV [55.120 MeV] (A_Er:176)
162Er68 + 8 D* --> 127I53 + 51V23 + 179.928 MeV [57.053 MeV] (A_Er:177)
162Er68 + 8 D* --> 128Xe54 + 50Ti22 + 180.030 MeV [57.155 MeV] (A_Er:178)
162Er68 + 8 D* --> 129Xe54 + 49Ti22 + 175.999 MeV [53.124 MeV] (A_Er:179)
162Er68 + 8 D* --> 130Xe54 + 48Ti22 + 177.113 MeV [54.238 MeV] (A_Er:180)
162Er68 + 8 D* --> 131Xe54 + 47Ti22 + 172.091 MeV [49.216 MeV] (A_Er:181)
162Er68 + 8 D* --> 132Xe54 + 46Ti22 + 172.147 MeV [49.272 MeV] (A_Er:182)
162Er68 + 8 D* --> 133Cs55 + 45Sc21 + 167.882 MeV [45.007 MeV] (A_Er:183)
162Er68 + 8 D* --> 130Ba56 + 48Ca20 + 170.219 MeV [47.344 MeV] (A_Er:184)
162Er68 + 8 D* --> 132Ba56 + 46Ca20 + 170.313 MeV [47.438 MeV] (A_Er:185)

162Er68 + 8 D* --> 134Ba56 + 44Ca20 + 169.162 MeV [46.286 MeV] (A_Er:186)
162Er68 + 8 D* --> 135Ba56 + 43Ca20 + 165.002 MeV [42.127 MeV] (A_Er:187)
162Er68 + 8 D* --> 136Ba56 + 42Ca20 + 166.177 MeV [43.302 MeV] (A_Er:188)
162Er68 + 8 D* --> 138Ba56 + 40Ca20 + 161.851 MeV [38.976 MeV] (A_Er:189)
162Er68 + 8 D* --> 138La57 + 40K19 + 158.803 MeV [35.928 MeV] (A_Er:190)
162Er68 + 8 D* --> 139La57 + 39K19 + 159.782 MeV [36.906 MeV] (A_Er:191)
162Er68 + 8 D* --> 138Ce58 + 40Ar18 + 161.352 MeV [38.477 MeV] (A_Er:192)
162Er68 + 8 D* --> 140Ce58 + 38Ar18 + 161.541 MeV [38.666 MeV] (A_Er:193)
162Er68 + 8 D* --> 142Ce58 + 36Ar18 + 153.513 MeV [30.638 MeV] (A_Er:194)
162Er68 + 8 D* --> 141Pr59 + 37Cl17 + 156.526 MeV [33.651 MeV] (A_Er:195)
162Er68 + 8 D* --> 142Nd60 + 36S16 + 155.362 MeV [32.487 MeV] (A_Er:196)
162Er68 + 8 D* --> 144Nd60 + 34S16 + 152.428 MeV [29.553 MeV] (A_Er:197)
162Er68 + 8 D* --> 145Nd60 + 33S16 + 146.766 MeV [23.891 MeV] (A_Er:198)
162Er68 + 8 D* --> 146Nd60 + 32S16 + 145.690 MeV [22.815 MeV] (A_Er:199)
162Er68 + 8 D* --> 148Sm62 + 30Si14 + 142.518 MeV [19.643 MeV] (A_Er:200)
162Er68 + 8 D* --> 149Sm62 + 29Si14 + 137.780 MeV [14.905 MeV] (A_Er:201)
162Er68 + 8 D* --> 150Sm62 + 28Si14 + 137.293 MeV [14.418 MeV] (A_Er:202)
162Er68 + 8 D* --> 151Eu63 + 27Al13 + 130.599 MeV [7.724 MeV] (A_Er:203)
162Er68 + 8 D* --> 152Gd64 + 26Mg12 + 129.672 MeV [6.797 MeV] (A_Er:204)
162Er68 + 8 D* --> 154Gd64 + 24Mg12 + 126.390 MeV [3.515 MeV] (A_Er:205)
162Er68 + 8 D* --> 156Dy66 + 22Ne10 + 117.298 MeV [-5.577 MeV] (A_Er:206)
162Er68 + 8 D* --> 158Dy66 + 20Ne10 + 116.197 MeV [-6.678 MeV] (A_Er:207)
162Er68 + 8 D* --> 162Er68 + 16O8 + 109.823 MeV [-13.052 MeV] (A_Er:208)

162Er68 + 9 D* --> 123Sb51 + 57Fe26 + 201.283 MeV [61.726 MeV] (A_Er:209)
162Er68 + 9 D* --> 125Te52 + 55Mn25 + 198.612 MeV [59.055 MeV] (A_Er:210)
162Er68 + 9 D* --> 127I53 + 53Cr24 + 196.147 MeV [56.590 MeV] (A_Er:211)
162Er68 + 9 D* --> 129Xe54 + 51V23 + 192.778 MeV [53.221 MeV] (A_Er:212)
162Er68 + 9 D* --> 130Xe54 + 50V23 + 190.982 MeV [51.425 MeV] (A_Er:213)
162Er68 + 9 D* --> 133Cs55 + 47Ti22 + 184.882 MeV [45.325 MeV] (A_Er:214)
162Er68 + 9 D* --> 135Ba56 + 45Sc21 + 180.797 MeV [41.240 MeV] (A_Er:215)
162Er68 + 9 D* --> 138La57 + 42Ca20 + 176.951 MeV [37.394 MeV] (A_Er:216)
162Er68 + 9 D* --> 140Ce58 + 40K19 + 173.497 MeV [33.941 MeV] (A_Er:217)
162Er68 + 9 D* --> 143Nd60 + 37Cl17 + 167.648 MeV [28.091 MeV] (A_Er:218)
162Er68 + 9 D* --> 145Nd60 + 35Cl17 + 162.330 MeV [22.773 MeV] (A_Er:219)
162Er68 + 9 D* --> 149Sm62 + 31P15 + 153.462 MeV [13.905 MeV] (A_Er:220)
162Er68 + 9 D* --> 151Eu63 + 29Si14 + 148.433 MeV [8.876 MeV] (A_Er:221)

162Er68 + 10 D* --> 94Zr40 + 88Sr38 + 240.203 MeV [83.677 MeV] (A_Er:222)
162Er68 + 10 D* --> 96Zr40 + 86Sr38 + 234.981 MeV [78.455 MeV] (A_Er:223)
162Er68 + 10 D* --> 96Mo42 + 86Kr36 + 237.071 MeV [80.545 MeV] (A_Er:224)
162Er68 + 10 D* --> 98Mo42 + 84Kr36 + 235.557 MeV [79.031 MeV] (A_Er:225)
162Er68 + 10 D* --> 100Mo42 + 82Kr36 + 231.788 MeV [75.263 MeV] (A_Er:226)
162Er68 + 10 D* --> 100Ru44 + 82Se34 + 231.828 MeV [75.302 MeV] (A_Er:227)
162Er68 + 10 D* --> 102Ru44 + 80Se34 + 231.873 MeV [75.347 MeV] (A_Er:228)
162Er68 + 10 D* --> 104Ru44 + 78Se34 + 230.130 MeV [73.604 MeV] (A_Er:229)
162Er68 + 10 D* --> 106Pd46 + 76Ge32 + 228.130 MeV [71.604 MeV] (A_Er:230)
162Er68 + 10 D* --> 108Pd46 + 74Ge32 + 227.961 MeV [71.435 MeV] (A_Er:231)
162Er68 + 10 D* --> 110Pd46 + 72Ge32 + 225.950 MeV [69.424 MeV] (A_Er:232)
162Er68 + 10 D* --> 112Cd48 + 70Zn30 + 225.160 MeV [68.634 MeV] (A_Er:233)
162Er68 + 10 D* --> 114Cd48 + 68Zn30 + 225.043 MeV [68.517 MeV] (A_Er:234)
162Er68 + 10 D* --> 116Cd48 + 66Zn30 + 222.633 MeV [66.108 MeV] (A_Er:235)
162Er68 + 10 D* --> 118Sn50 + 64Ni28 + 223.770 MeV [67.244 MeV] (A_Er:236)
162Er68 + 10 D* --> 120Sn50 + 62Ni28 + 222.866 MeV [66.340 MeV] (A_Er:237)

162Er68 + 10 D* --> 122Sn50 + 60Ni28 + 219.433 MeV [62.907 MeV] (A_Er:238)
162Er68 + 10 D* --> 124Sn50 + 58Ni28 + 213.479 MeV [56.953 MeV] (A_Er:239)
162Er68 + 10 D* --> 123Sb51 + 59Co27 + 216.467 MeV [59.941 MeV] (A_Er:240)
162Er68 + 10 D* --> 124Te52 + 58Fe26 + 217.693 MeV [61.167 MeV] (A_Er:241)
162Er68 + 10 D* --> 125Te52 + 57Fe26 + 214.217 MeV [57.691 MeV] (A_Er:242)
162Er68 + 10 D* --> 126Te52 + 56Fe26 + 215.685 MeV [59.159 MeV] (A_Er:243)
162Er68 + 10 D* --> 128Te52 + 54Fe26 + 210.259 MeV [53.733 MeV] (A_Er:244)
162Er68 + 10 D* --> 127I53 + 55Mn25 + 211.708 MeV [55.182 MeV] (A_Er:245)
162Er68 + 10 D* --> 128Xe54 + 54Cr24 + 211.807 MeV [55.281 MeV] (A_Er:246)
162Er68 + 10 D* --> 129Xe54 + 53Cr24 + 208.997 MeV [52.471 MeV] (A_Er:247)
162Er68 + 10 D* --> 130Xe54 + 52Cr24 + 210.313 MeV [53.787 MeV] (A_Er:248)
162Er68 + 10 D* --> 132Xe54 + 50Cr24 + 204.555 MeV [48.029 MeV] (A_Er:249)
162Er68 + 10 D* --> 132Ba56 + 50Ti22 + 204.876 MeV [48.350 MeV] (A_Er:250)
162Er68 + 10 D* --> 134Ba56 + 48Ti22 + 202.452 MeV [45.926 MeV] (A_Er:251)
162Er68 + 10 D* --> 135Ba56 + 47Ti22 + 197.798 MeV [41.272 MeV] (A_Er:252)
162Er68 + 10 D* --> 136Ba56 + 46Ti22 + 198.025 MeV [41.499 MeV] (A_Er:253)
162Er68 + 10 D* --> 136Ce58 + 46Ca20 + 194.618 MeV [38.092 MeV] (A_Er:254)
162Er68 + 10 D* --> 138Ce58 + 44Ca20 + 194.052 MeV [37.526 MeV] (A_Er:255)
162Er68 + 10 D* --> 140Ce58 + 42Ca20 + 191.645 MeV [35.119 MeV] (A_Er:256)
162Er68 + 10 D* --> 142Ce58 + 40Ca20 + 184.399 MeV [27.874 MeV] (A_Er:257)
162Er68 + 10 D* --> 141Pr59 + 41K19 + 186.595 MeV [30.069 MeV] (A_Er:258)
162Er68 + 10 D* --> 142Nd60 + 40Ar18 + 186.010 MeV [29.484 MeV] (A_Er:259)
162Er68 + 10 D* --> 144Nd60 + 38Ar18 + 183.482 MeV [26.956 MeV] (A_Er:260)
162Er68 + 10 D* --> 146Nd60 + 36Ar18 + 176.177 MeV [19.651 MeV] (A_Er:261)
162Er68 + 10 D* --> 148Sm62 + 34S16 + 174.289 MeV [17.763 MeV] (A_Er:262)
162Er68 + 10 D* --> 149Sm62 + 33S16 + 168.743 MeV [12.217 MeV] (A_Er:263)
162Er68 + 10 D* --> 150Sm62 + 32S16 + 168.088 MeV [11.562 MeV] (A_Er:264)
162Er68 + 10 D* --> 151Eu63 + 31P15 + 164.115 MeV [7.589 MeV] (A_Er:265)
162Er68 + 10 D* --> 152Gd64 + 30Si14 + 164.162 MeV [7.636 MeV] (A_Er:266)
162Er68 + 10 D* --> 154Gd64 + 28Si14 + 160.221 MeV [3.695 MeV] (A_Er:267)
162Er68 + 10 D* --> 156Dy66 + 26Mg12 + 151.759 MeV [-4.767 MeV] (A_Er:268)
162Er68 + 10 D* --> 158Dy66 + 24Mg12 + 149.360 MeV [-7.166 MeV] (A_Er:269)
162Er68 + 10 D* --> 162Er68 + 20Ne10 + 138.399 MeV [-18.127 MeV] (A_Er:270)

162Er68 + 11 D* --> 97Mo42 + 87Rb37 + 250.289 MeV [76.508 MeV] (A_Er:271)
162Er68 + 11 D* --> 113Cd48 + 71Ga31 + 237.340 MeV [63.560 MeV] (A_Er:272)
162Er68 + 11 D* --> 119Sn50 + 65Cu29 + 235.482 MeV [61.702 MeV] (A_Er:273)
162Er68 + 11 D* --> 123Sb51 + 61Ni28 + 231.595 MeV [57.815 MeV] (A_Er:274)
162Er68 + 11 D* --> 125Te52 + 59Co27 + 229.401 MeV [55.621 MeV] (A_Er:275)
162Er68 + 11 D* --> 127I53 + 57Fe26 + 227.314 MeV [53.533 MeV] (A_Er:276)
162Er68 + 11 D* --> 129Xe54 + 55Mn25 + 224.558 MeV [50.778 MeV] (A_Er:277)
162Er68 + 11 D* --> 134Ba56 + 50V23 + 216.322 MeV [42.541 MeV] (A_Er:278)
162Er68 + 11 D* --> 138La57 + 46Ti22 + 208.798 MeV [35.018 MeV] (A_Er:279)
162Er68 + 11 D* --> 141Pr59 + 43Ca20 + 202.580 MeV [28.800 MeV] (A_Er:280)
162Er68 + 11 D* --> 143Nd60 + 41K19 + 197.717 MeV [23.937 MeV] (A_Er:281)
162Er68 + 11 D* --> 144Nd60 + 40K19 + 195.439 MeV [21.658 MeV] (A_Er:282)
162Er68 + 11 D* --> 145Nd60 + 39K19 + 193.394 MeV [19.614 MeV] (A_Er:283)
162Er68 + 11 D* --> 147Sm62 + 37Cl17 + 189.184 MeV [15.404 MeV] (A_Er:284)
162Er68 + 11 D* --> 149Sm62 + 35Cl17 + 184.306 MeV [10.526 MeV] (A_Er:285)
162Er68 + 11 D* --> 151Eu63 + 33S16 + 179.395 MeV [5.615 MeV] (A_Er:286)

162Er68 + 12 D* --> 94Zr40 + 92Zr40 + 267.007 MeV [75.688 MeV] (A_Er:287)
162Er68 + 12 D* --> 96Zr40 + 90Zr40 + 265.496 MeV [74.178 MeV] (A_Er:288)
162Er68 + 12 D* --> 98Mo42 + 88Sr38 + 267.320 MeV [76.001 MeV] (A_Er:289)

162Er68 + 12 D* --> 100Mo42 + 86Sr38 + 261.994 MeV [70.676 MeV] (A_Er:290)
162Er68 + 12 D* --> 100Ru44 + 86Kr36 + 263.771 MeV [72.452 MeV] (A_Er:291)
162Er68 + 12 D* --> 102Ru44 + 84Kr36 + 262.815 MeV [71.497 MeV] (A_Er:292)
162Er68 + 12 D* --> 104Ru44 + 82Kr36 + 259.964 MeV [68.646 MeV] (A_Er:293)
162Er68 + 12 D* --> 104Pd46 + 82Se34 + 258.270 MeV [66.952 MeV] (A_Er:294)
162Er68 + 12 D* --> 106Pd46 + 80Se34 + 258.948 MeV [67.630 MeV] (A_Er:295)
162Er68 + 12 D* --> 108Pd46 + 78Se34 + 257.836 MeV [66.518 MeV] (A_Er:296)
162Er68 + 12 D* --> 110Pd46 + 76Se34 + 254.887 MeV [63.569 MeV] (A_Er:297)
162Er68 + 12 D* --> 110Cd48 + 76Ge32 + 254.852 MeV [63.534 MeV] (A_Er:298)
162Er68 + 12 D* --> 112Cd48 + 74Ge32 + 255.289 MeV [63.971 MeV] (A_Er:299)
162Er68 + 12 D* --> 113Cd48 + 73Ge32 + 251.633 MeV [60.315 MeV] (A_Er:300)
162Er68 + 12 D* --> 114Cd48 + 72Ge32 + 253.893 MeV [62.575 MeV] (A_Er:301)
162Er68 + 12 D* --> 116Cd48 + 70Ge32 + 250.569 MeV [59.250 MeV] (A_Er:302)
162Er68 + 12 D* --> 115In49 + 71Ga31 + 250.963 MeV [59.645 MeV] (A_Er:303)
162Er68 + 12 D* --> 116Sn50 + 70Zn30 + 252.379 MeV [61.061 MeV] (A_Er:304)
162Er68 + 12 D* --> 118Sn50 + 68Zn30 + 252.949 MeV [61.631 MeV] (A_Er:305)
162Er68 + 12 D* --> 119Sn50 + 67Zn30 + 249.235 MeV [57.917 MeV] (A_Er:306)
162Er68 + 12 D* --> 120Sn50 + 66Zn30 + 251.291 MeV [59.972 MeV] (A_Er:307)
162Er68 + 12 D* --> 122Sn50 + 64Zn30 + 247.236 MeV [55.917 MeV] (A_Er:308)
162Er68 + 12 D* --> 121Sb51 + 65Cu29 + 248.145 MeV [56.827 MeV] (A_Er:309)
162Er68 + 12 D* --> 123Sb51 + 63Cu29 + 246.090 MeV [54.771 MeV] (A_Er:310)
162Er68 + 12 D* --> 122Te52 + 64Ni28 + 248.699 MeV [57.381 MeV] (A_Er:311)
162Er68 + 12 D* --> 124Te52 + 62Ni28 + 248.557 MeV [57.238 MeV] (A_Er:312)
162Er68 + 12 D* --> 125Te52 + 61Ni28 + 244.529 MeV [53.211 MeV] (A_Er:313)
162Er68 + 12 D* --> 126Te52 + 60Ni28 + 245.823 MeV [54.504 MeV] (A_Er:314)
162Er68 + 12 D* --> 128Te52 + 58Ni28 + 240.506 MeV [49.188 MeV] (A_Er:315)
162Er68 + 12 D* --> 127I53 + 59Co27 + 242.498 MeV [51.179 MeV] (A_Er:316)
162Er68 + 12 D* --> 128Xe54 + 58Fe26 + 243.300 MeV [51.981 MeV] (A_Er:317)
162Er68 + 12 D* --> 129Xe54 + 57Fe26 + 240.164 MeV [48.845 MeV] (A_Er:318)
162Er68 + 12 D* --> 130Xe54 + 56Fe26 + 241.773 MeV [50.455 MeV] (A_Er:319)
162Er68 + 12 D* --> 132Xe54 + 54Fe26 + 236.819 MeV [45.501 MeV] (A_Er:320)
162Er68 + 12 D* --> 132Ba56 + 54Cr24 + 236.653 MeV [45.335 MeV] (A_Er:321)
162Er68 + 12 D* --> 134Ba56 + 52Cr24 + 235.653 MeV [44.335 MeV] (A_Er:322)
162Er68 + 12 D* --> 136Ba56 + 50Cr24 + 230.432 MeV [39.114 MeV] (A_Er:323)
162Er68 + 12 D* --> 136Ce58 + 50Ti22 + 229.181 MeV [37.863 MeV] (A_Er:324)
162Er68 + 12 D* --> 138Ce58 + 48Ti22 + 227.342 MeV [36.024 MeV] (A_Er:325)
162Er68 + 12 D* --> 140Ce58 + 46Ti22 + 223.493 MeV [32.174 MeV] (A_Er:326)
162Er68 + 12 D* --> 141Pr59 + 45Sc21 + 218.375 MeV [27.056 MeV] (A_Er:327)
162Er68 + 12 D* --> 142Nd60 + 44Ca20 + 218.710 MeV [27.391 MeV] (A_Er:328)
162Er68 + 12 D* --> 143Nd60 + 43Ca20 + 213.702 MeV [22.384 MeV] (A_Er:329)
162Er68 + 12 D* --> 144Nd60 + 42Ca20 + 213.586 MeV [22.268 MeV] (A_Er:330)
162Er68 + 12 D* --> 146Nd60 + 40Ca20 + 207.063 MeV [15.745 MeV] (A_Er:331)
162Er68 + 12 D* --> 148Sm62 + 38Ar18 + 205.343 MeV [14.024 MeV] (A_Er:332)
162Er68 + 12 D* --> 150Sm62 + 36Ar18 + 198.575 MeV [7.257 MeV] (A_Er:333)
162Er68 + 12 D* --> 151Eu63 + 35Cl17 + 194.959 MeV [3.640 MeV] (A_Er:334)
162Er68 + 12 D* --> 152Gd64 + 34S16 + 195.932 MeV [4.614 MeV] (A_Er:335)
162Er68 + 12 D* --> 154Gd64 + 32S16 + 191.015 MeV [-0.303 MeV] (A_Er:336)
162Er68 + 12 D* --> 156Dy66 + 30Si14 + 186.249 MeV [-5.069 MeV] (A_Er:337)
162Er68 + 12 D* --> 158Dy66 + 28Si14 + 183.191 MeV [-8.127 MeV] (A_Er:338)
162Er68 + 12 D* --> 162Er68 + 24Mg12 + 171.562 MeV [-19.756 MeV] (A_Er:339)

164Er68 + D* --> 152Sm62 + 14N7 + 19.092 MeV [4.838 MeV] (A_Er:340)
164Er68 + D* --> 153Eu63 + 13C6 + 17.435 MeV [3.181 MeV] (A_Er:341)
164Er68 + D* --> 155Gd64 + 11B5 + 10.595 MeV [-3.658 MeV] (A_Er:342)

164Er68 + D* --> 156Gd64 + 10B5 + 7.678 MeV [-6.576 MeV] (A_Er:343)
164Er68 + D* --> 160Dy66 + 6Li3 + 2.777 MeV [-11.476 MeV] (A_Er:344)

164Er68 + 2 D* --> 86Kr36 + 82Se34 + 121.181 MeV [92.370 MeV] (A_Er:345)
164Er68 + 2 D* --> 120Sn50 + 48Ca20 + 95.641 MeV [66.830 MeV] (A_Er:346)
164Er68 + 2 D* --> 122Sn50 + 46Ca20 + 93.403 MeV [64.592 MeV] (A_Er:347)
164Er68 + 2 D* --> 124Sn50 + 44Ca20 + 90.027 MeV [61.216 MeV] (A_Er:348)
164Er68 + 2 D* --> 128Te52 + 40Ar18 + 84.354 MeV [55.543 MeV] (A_Er:349)
164Er68 + 2 D* --> 130Te52 + 38Ar18 + 82.388 MeV [53.577 MeV] (A_Er:350)
164Er68 + 2 D* --> 132Xe54 + 36S16 + 80.266 MeV [51.455 MeV] (A_Er:351)
164Er68 + 2 D* --> 134Xe54 + 34S16 + 78.378 MeV [49.567 MeV] (A_Er:352)
164Er68 + 2 D* --> 136Xe54 + 32S16 + 72.763 MeV [43.951 MeV] (A_Er:353)
164Er68 + 2 D* --> 138Ba56 + 30Si14 + 73.016 MeV [44.205 MeV] (A_Er:354)
164Er68 + 2 D* --> 142Ce58 + 26Mg12 + 61.075 MeV [32.264 MeV] (A_Er:355)
164Er68 + 2 D* --> 146Nd60 + 22Ne10 + 49.278 MeV [20.466 MeV] (A_Er:356)
164Er68 + 2 D* --> 148Nd60 + 20Ne10 + 44.777 MeV [15.966 MeV] (A_Er:357)
164Er68 + 2 D* --> 150Sm62 + 18O8 + 38.161 MeV [9.350 MeV] (A_Er:358)
164Er68 + 2 D* --> 152Sm62 + 16O8 + 39.828 MeV [11.016 MeV] (A_Er:359)
164Er68 + 2 D* --> 153Eu63 + 15N7 + 33.594 MeV [4.783 MeV] (A_Er:360)
164Er68 + 2 D* --> 155Gd64 + 13C6 + 29.274 MeV [00.463 MeV] (A_Er:361)
164Er68 + 2 D* --> 156Gd64 + 12C6 + 32.864 MeV [4.053 MeV] (A_Er:362)
164Er68 + 2 D* --> 164Er68 + 4He2 + 23.847 MeV [-4.965 MeV] (A_Er:363)
164Er68 + 2 D* --> 168Yb70 + 21.897 MeV [-6.915 MeV] (A_Er:364)

164Er68 + 3 D* --> 130Te52 + 40K19 + 94.344 MeV [50.674 MeV] (A_Er:365)
164Er68 + 3 D* --> 153Eu63 + 17O8 + 47.640 MeV [3.969 MeV] (A_Er:366)
164Er68 + 3 D* --> 155Gd64 + 15N7 + 45.433 MeV [1.763 MeV] (A_Er:367)
164Er68 + 3 D* --> 156Gd64 + 14N7 + 43.136 MeV [-0.534 MeV] (A_Er:368)
164Er68 + 3 D* --> 160Dy66 + 10B5 + 31.085 MeV [-12.586 MeV] (A_Er:369)
164Er68 + 3 D* --> 164Er68 + 6Li3 + 25.320 MeV [-18.350 MeV] (A_Er:370)
164Er68 + 3 D* --> 168Yb70 + 2H1 + 21.897 MeV [-21.774 MeV] (A_Er:371)

164Er68 + 4 D* --> 86Kr36 + 86Kr36 + 153.124 MeV [94.295 MeV] (A_Er:372)
164Er68 + 4 D* --> 96Zr40 + 76Ge32 + 145.249 MeV [86.420 MeV] (A_Er:373)
164Er68 + 4 D* --> 122Sn50 + 50Ti22 + 127.966 MeV [69.137 MeV] (A_Er:374)
164Er68 + 4 D* --> 124Sn50 + 48Ti22 + 123.318 MeV [64.488 MeV] (A_Er:375)
164Er68 + 4 D* --> 124Te52 + 48Ca20 + 121.332 MeV [62.503 MeV] (A_Er:376)
164Er68 + 4 D* --> 126Te52 + 46Ca20 + 119.793 MeV [60.964 MeV] (A_Er:377)
164Er68 + 4 D* --> 128Te52 + 44Ca20 + 117.054 MeV [58.224 MeV] (A_Er:378)
164Er68 + 4 D* --> 130Te52 + 42Ca20 + 112.492 MeV [53.662 MeV] (A_Er:379)
164Er68 + 4 D* --> 132Xe54 + 40Ar18 + 110.914 MeV [52.084 MeV] (A_Er:380)
164Er68 + 4 D* --> 134Xe54 + 38Ar18 + 109.432 MeV [50.603 MeV] (A_Er:381)
164Er68 + 4 D* --> 136Xe54 + 36Ar18 + 103.250 MeV [44.421 MeV] (A_Er:382)
164Er68 + 4 D* --> 136Ba56 + 36S16 + 106.144 MeV [47.315 MeV] (A_Er:383)
164Er68 + 4 D* --> 138Ba56 + 34S16 + 104.787 MeV [45.957 MeV] (A_Er:384)
164Er68 + 4 D* --> 142Ce58 + 30Si14 + 95.565 MeV [36.735 MeV] (A_Er:385)
164Er68 + 4 D* --> 146Nd60 + 26Mg12 + 83.739 MeV [24.910 MeV] (A_Er:386)
164Er68 + 4 D* --> 148Nd60 + 24Mg12 + 77.940 MeV [19.111 MeV] (A_Er:387)
164Er68 + 4 D* --> 150Sm62 + 22Ne10 + 71.675 MeV [12.846 MeV] (A_Er:388)
164Er68 + 4 D* --> 152Sm62 + 20Ne10 + 68.404 MeV [9.575 MeV] (A_Er:389)
164Er68 + 4 D* --> 153Eu63 + 19F9 + 61.454 MeV [2.625 MeV] (A_Er:390)
164Er68 + 4 D* --> 154Gd64 + 18O8 + 61.088 MeV [2.259 MeV] (A_Er:391)
164Er68 + 4 D* --> 155Gd64 + 17O8 + 59.479 MeV [00.650 MeV] (A_Er:392)
164Er68 + 4 D* --> 156Gd64 + 16O8 + 63.873 MeV [5.043 MeV] (A_Er:393)

164Er68 + 4 D* --> 160Dy66 + 12C6 + 56.271 MeV [-2.558 MeV] (A_Er:394)
164Er68 + 4 D* --> 168Yb70 + 4He2 + 45.743 MeV [-13.086 MeV] (A_Er:395)

164Er68 + 5 D* --> 124Sn50 + 50V23 + 137.187 MeV [62.902 MeV] (A_Er:396)
164Er68 + 5 D* --> 134Xe54 + 40K19 + 121.389 MeV [47.103 MeV] (A_Er:397)
164Er68 + 5 D* --> 137Ba56 + 37Cl17 + 119.212 MeV [44.926 MeV] (A_Er:398)
164Er68 + 5 D* --> 138La57 + 36S16 + 116.918 MeV [42.632 MeV] (A_Er:399)
164Er68 + 5 D* --> 153Eu63 + 21Ne10 + 78.834 MeV [4.549 MeV] (A_Er:400)
164Er68 + 5 D* --> 155Gd64 + 19F9 + 73.294 MeV [-0.992 MeV] (A_Er:401)
164Er68 + 5 D* --> 160Dy66 + 14N7 + 66.544 MeV [-7.742 MeV] (A_Er:402)
164Er68 + 5 D* --> 164Er68 + 10B5 + 53.628 MeV [-20.658 MeV] (A_Er:403)
164Er68 + 5 D* --> 168Yb70 + 6Li3 + 47.217 MeV [-27.069 MeV] (A_Er:404)

164Er68 + 6 D* --> 94Zr40 + 82Se34 + 177.726 MeV [87.688 MeV] (A_Er:405)
164Er68 + 6 D* --> 96Zr40 + 80Se34 + 176.067 MeV [86.030 MeV] (A_Er:406)
164Er68 + 6 D* --> 100Mo42 + 76Ge32 + 172.262 MeV [82.225 MeV] (A_Er:407)
164Er68 + 6 D* --> 122Sn50 + 54Cr24 + 159.743 MeV [69.706 MeV] (A_Er:408)
164Er68 + 6 D* --> 124Sn50 + 52Cr24 + 156.518 MeV [66.481 MeV] (A_Er:409)
164Er68 + 6 D* --> 126Te52 + 50Ti22 + 154.356 MeV [64.319 MeV] (A_Er:410)
164Er68 + 6 D* --> 128Te52 + 48Ti22 + 150.345 MeV [60.307 MeV] (A_Er:411)
164Er68 + 6 D* --> 130Te52 + 46Ti22 + 144.340 MeV [54.302 MeV] (A_Er:412)
164Er68 + 6 D* --> 128Xe54 + 48Ca20 + 146.939 MeV [56.902 MeV] (A_Er:413)
164Er68 + 6 D* --> 130Xe54 + 46Ca20 + 145.882 MeV [55.844 MeV] (A_Er:414)
164Er68 + 6 D* --> 132Xe54 + 44Ca20 + 143.614 MeV [53.576 MeV] (A_Er:415)
164Er68 + 6 D* --> 134Xe54 + 42Ca20 + 139.536 MeV [49.499 MeV] (A_Er:416)
164Er68 + 6 D* --> 136Xe54 + 40Ca20 + 134.136 MeV [44.099 MeV] (A_Er:417)
164Er68 + 6 D* --> 136Ba56 + 40Ar18 + 136.792 MeV [46.754 MeV] (A_Er:418)
164Er68 + 6 D* --> 138Ba56 + 38Ar18 + 135.841 MeV [45.804 MeV] (A_Er:419)
164Er68 + 6 D* --> 139La57 + 37Cl17 + 131.858 MeV [41.820 MeV] (A_Er:420)
164Er68 + 6 D* --> 140Ce58 + 36S16 + 131.612 MeV [41.575 MeV] (A_Er:421)
164Er68 + 6 D* --> 142Ce58 + 34S16 + 127.335 MeV [37.298 MeV] (A_Er:422)
164Er68 + 6 D* --> 146Nd60 + 30Si14 + 118.229 MeV [28.191 MeV] (A_Er:423)
164Er68 + 6 D* --> 148Nd60 + 28Si14 + 111.771 MeV [21.734 MeV] (A_Er:424)
164Er68 + 6 D* --> 150Sm62 + 26Mg12 + 106.137 MeV [16.099 MeV] (A_Er:425)
164Er68 + 6 D* --> 152Sm62 + 24Mg12 + 101.567 MeV [11.530 MeV] (A_Er:426)
164Er68 + 6 D* --> 153Eu63 + 23Na11 + 95.768 MeV [5.731 MeV] (A_Er:427)
164Er68 + 6 D* --> 154Gd64 + 22Ne10 + 94.603 MeV [4.565 MeV] (A_Er:428)
164Er68 + 6 D* --> 155Gd64 + 21Ne10 + 90.674 MeV [00.636 MeV] (A_Er:429)
164Er68 + 6 D* --> 156Gd64 + 20Ne10 + 92.449 MeV [2.412 MeV] (A_Er:430)
164Er68 + 6 D* --> 158Dy66 + 18O8 + 84.058 MeV [-5.979 MeV] (A_Er:431)
164Er68 + 6 D* --> 160Dy66 + 16O8 + 87.280 MeV [-2.757 MeV] (A_Er:432)
164Er68 + 6 D* --> 164Er68 + 12C6 + 78.814 MeV [-11.223 MeV] (A_Er:433)

164Er68 + 7 D* --> 128Te52 + 50V23 + 164.214 MeV [58.132 MeV] (A_Er:434)
164Er68 + 7 D* --> 137Ba56 + 41K19 + 149.281 MeV [43.199 MeV] (A_Er:435)
164Er68 + 7 D* --> 138Ba56 + 40K19 + 147.797 MeV [41.715 MeV] (A_Er:436)
164Er68 + 7 D* --> 138La57 + 40Ar18 + 147.565 MeV [41.483 MeV] (A_Er:437)
164Er68 + 7 D* --> 153Eu63 + 25Mg12 + 112.567 MeV [6.485 MeV] (A_Er:438)
164Er68 + 7 D* --> 155Gd64 + 23Na11 + 107.607 MeV [1.525 MeV] (A_Er:439)
164Er68 + 7 D* --> 164Er68 + 14N7 + 89.087 MeV [-16.995 MeV] (A_Er:440)
164Er68 + 7 D* --> 168Yb70 + 10B5 + 75.524 MeV [-30.558 MeV] (A_Er:441)

164Er68 + 8 D* --> 94Zr40 + 86Kr36 + 209.669 MeV [87.250 MeV] (A_Er:442)
164Er68 + 8 D* --> 96Zr40 + 84Kr36 + 207.010 MeV [84.592 MeV] (A_Er:443)

164Er68 + 8 D* --> 98Mo42 + 82Se34 + 204.842 MeV [82.424 MeV] (A_Er:444)
164Er68 + 8 D* --> 100Mo42 + 80Se34 + 203.080 MeV [80.662 MeV] (A_Er:445)
164Er68 + 8 D* --> 104Ru44 + 76Ge32 + 200.438 MeV [78.020 MeV] (A_Er:446)
164Er68 + 8 D* --> 110Pd46 + 70Zn30 + 197.050 MeV [74.632 MeV] (A_Er:447)
164Er68 + 8 D* --> 116Cd48 + 64Ni28 + 194.955 MeV [72.537 MeV] (A_Er:448)
164Er68 + 8 D* --> 122Sn50 + 58Fe26 + 191.236 MeV [68.817 MeV] (A_Er:449)
164Er68 + 8 D* --> 124Sn50 + 56Fe26 + 187.978 MeV [65.560 MeV] (A_Er:450)
164Er68 + 8 D* --> 126Te52 + 54Cr24 + 186.133 MeV [63.715 MeV] (A_Er:451)
164Er68 + 8 D* --> 128Te52 + 52Cr24 + 183.545 MeV [61.127 MeV] (A_Er:452)
164Er68 + 8 D* --> 130Te52 + 50Cr24 + 176.747 MeV [54.329 MeV] (A_Er:453)
164Er68 + 8 D* --> 130Xe54 + 50Ti22 + 180.445 MeV [58.026 MeV] (A_Er:454)
164Er68 + 8 D* --> 131Xe54 + 49Ti22 + 176.110 MeV [53.692 MeV] (A_Er:455)
164Er68 + 8 D* --> 132Xe54 + 48Ti22 + 176.904 MeV [54.486 MeV] (A_Er:456)
164Er68 + 8 D* --> 134Xe54 + 46Ti22 + 171.384 MeV [48.966 MeV] (A_Er:457)
164Er68 + 8 D* --> 132Ba56 + 48Ca20 + 171.785 MeV [49.367 MeV] (A_Er:458)
164Er68 + 8 D* --> 134Ba56 + 46Ca20 + 171.221 MeV [48.803 MeV] (A_Er:459)
164Er68 + 8 D* --> 136Ba56 + 44Ca20 + 169.492 MeV [47.073 MeV] (A_Er:460)
164Er68 + 8 D* --> 137Ba56 + 43Ca20 + 165.266 MeV [42.848 MeV] (A_Er:461)
164Er68 + 8 D* --> 138Ba56 + 42Ca20 + 165.945 MeV [43.527 MeV] (A_Er:462)
164Er68 + 8 D* --> 139La57 + 41K19 + 161.927 MeV [39.508 MeV] (A_Er:463)
164Er68 + 8 D* --> 140Ce58 + 40Ar18 + 162.259 MeV [39.841 MeV] (A_Er:464)
164Er68 + 8 D* --> 142Ce58 + 38Ar18 + 158.389 MeV [35.971 MeV] (A_Er:465)
164Er68 + 8 D* --> 144Nd60 + 36S16 + 153.553 MeV [31.135 MeV] (A_Er:466)
164Er68 + 8 D* --> 146Nd60 + 34S16 + 149.999 MeV [27.581 MeV] (A_Er:467)
164Er68 + 8 D* --> 148Nd60 + 32S16 + 142.565 MeV [20.147 MeV] (A_Er:468)
164Er68 + 8 D* --> 150Sm62 + 30Si14 + 140.626 MeV [18.208 MeV] (A_Er:469)
164Er68 + 8 D* --> 152Sm62 + 28Si14 + 135.398 MeV [12.980 MeV] (A_Er:470)
164Er68 + 8 D* --> 153Eu63 + 27Al13 + 129.706 MeV [7.288 MeV] (A_Er:471)
164Er68 + 8 D* --> 154Gd64 + 26Mg12 + 129.064 MeV [6.646 MeV] (A_Er:472)
164Er68 + 8 D* --> 155Gd64 + 25Mg12 + 124.406 MeV [1.988 MeV] (A_Er:473)
164Er68 + 8 D* --> 156Gd64 + 24Mg12 + 125.612 MeV [3.194 MeV] (A_Er:474)
164Er68 + 8 D* --> 158Dy66 + 22Ne10 + 117.573 MeV [-4.845 MeV] (A_Er:475)
164Er68 + 8 D* --> 160Dy66 + 20Ne10 + 115.856 MeV [-6.562 MeV] (A_Er:476)
164Er68 + 8 D* --> 162Er68 + 18O8 + 106.260 MeV [-16.158 MeV] (A_Er:477)
164Er68 + 8 D* --> 164Er68 + 16O8 + 109.823 MeV [-12.595 MeV] (A_Er:478)
164Er68 + 8 D* --> 168Yb70 + 12C6 + 100.711 MeV [-21.707 MeV] (A_Er:479)

164Er68 + 9 D* --> 131Xe54 + 51V23 + 192.889 MeV [53.845 MeV] (A_Er:480)
164Er68 + 9 D* --> 132Xe54 + 50V23 + 190.774 MeV [51.730 MeV] (A_Er:481)
164Er68 + 9 D* --> 133Cs55 + 49Ti22 + 188.902 MeV [49.858 MeV] (A_Er:482)
164Er68 + 9 D* --> 137Ba56 + 45Sc21 + 181.061 MeV [42.017 MeV] (A_Er:483)
164Er68 + 9 D* --> 138La57 + 44Ca20 + 180.265 MeV [41.221 MeV] (A_Er:484)
164Er68 + 9 D* --> 139La57 + 43Ca20 + 177.912 MeV [38.868 MeV] (A_Er:485)
164Er68 + 9 D* --> 142Ce58 + 40K19 + 170.346 MeV [31.302 MeV] (A_Er:486)
164Er68 + 9 D* --> 145Nd60 + 37Cl17 + 165.471 MeV [26.427 MeV] (A_Er:487)
164Er68 + 9 D* --> 153Eu63 + 29Si14 + 147.540 MeV [8.497 MeV] (A_Er:488)
164Er68 + 9 D* --> 155Gd64 + 27Al13 + 141.546 MeV [2.502 MeV] (A_Er:489)
164Er68 + 9 D* --> 168Yb70 + 14N7 + 110.983 MeV [-28.061 MeV] (A_Er:490)

164Er68 + 10 D* --> 96Zr40 + 88Sr38 + 238.772 MeV [82.816 MeV] (A_Er:491)
164Er68 + 10 D* --> 98Mo42 + 86Kr36 + 236.785 MeV [80.828 MeV] (A_Er:492)
164Er68 + 10 D* --> 100Mo42 + 84Kr36 + 234.023 MeV [78.066 MeV] (A_Er:493)
164Er68 + 10 D* --> 102Ru44 + 82Se34 + 232.100 MeV [76.143 MeV] (A_Er:494)
164Er68 + 10 D* --> 104Ru44 + 80Se34 + 231.256 MeV [75.300 MeV] (A_Er:495)

164Er68 + 10 D* --> 108Pd46 + 76Ge32 + 228.145 MeV [72.188 MeV] (A_Er:496)
164Er68 + 10 D* --> 110Pd46 + 74Ge32 + 227.179 MeV [71.223 MeV] (A_Er:497)
164Er68 + 10 D* --> 114Cd48 + 70Zn30 + 224.993 MeV [69.037 MeV] (A_Er:498)
164Er68 + 10 D* --> 116Cd48 + 68Zn30 + 224.134 MeV [68.178 MeV] (A_Er:499)
164Er68 + 10 D* --> 120Sn50 + 64Ni28 + 223.612 MeV [67.655 MeV] (A_Er:500)
164Er68 + 10 D* --> 122Sn50 + 62Ni28 + 222.100 MeV [66.143 MeV] (A_Er:501)
164Er68 + 10 D* --> 124Sn50 + 60Ni28 + 218.116 MeV [62.160 MeV] (A_Er:502)
164Er68 + 10 D* --> 126Te52 + 58Fe26 + 217.626 MeV [61.669 MeV] (A_Er:503)
164Er68 + 10 D* --> 128Te52 + 56Fe26 + 215.005 MeV [59.048 MeV] (A_Er:504)
164Er68 + 10 D* --> 130Te52 + 54Fe26 + 209.012 MeV [53.055 MeV] (A_Er:505)
164Er68 + 10 D* --> 130Xe54 + 54Cr24 + 212.222 MeV [56.265 MeV] (A_Er:506)
164Er68 + 10 D* --> 131Xe54 + 53Cr24 + 209.108 MeV [53.151 MeV] (A_Er:507)
164Er68 + 10 D* --> 132Xe54 + 52Cr24 + 210.105 MeV [54.148 MeV] (A_Er:508)
164Er68 + 10 D* --> 134Xe54 + 50Cr24 + 203.792 MeV [47.835 MeV] (A_Er:509)
164Er68 + 10 D* --> 133Cs55 + 51V23 + 205.680 MeV [49.723 MeV] (A_Er:510)
164Er68 + 10 D* --> 134Ba56 + 50Ti22 + 205.784 MeV [49.828 MeV] (A_Er:511)
164Er68 + 10 D* --> 135Ba56 + 49Ti22 + 201.817 MeV [45.860 MeV] (A_Er:512)
164Er68 + 10 D* --> 136Ba56 + 48Ti22 + 202.782 MeV [46.826 MeV] (A_Er:513)
164Er68 + 10 D* --> 137Ba56 + 47Ti22 + 198.061 MeV [42.105 MeV] (A_Er:514)
164Er68 + 10 D* --> 138Ba56 + 46Ti22 + 197.793 MeV [41.836 MeV] (A_Er:515)
164Er68 + 10 D* --> 139La57 + 45Sc21 + 193.707 MeV [37.750 MeV] (A_Er:516)
164Er68 + 10 D* --> 136Ce58 + 48Ca20 + 196.090 MeV [40.133 MeV] (A_Er:517)
164Er68 + 10 D* --> 138Ce58 + 46Ca20 + 196.111 MeV [40.155 MeV] (A_Er:518)
164Er68 + 10 D* --> 140Ce58 + 44Ca20 + 194.959 MeV [39.003 MeV] (A_Er:519)
164Er68 + 10 D* --> 142Ce58 + 42Ca20 + 188.493 MeV [32.537 MeV] (A_Er:520)
164Er68 + 10 D* --> 144Nd60 + 40Ar18 + 184.201 MeV [28.244 MeV] (A_Er:521)
164Er68 + 10 D* --> 146Nd60 + 38Ar18 + 181.053 MeV [25.097 MeV] (A_Er:522)
164Er68 + 10 D* --> 148Nd60 + 36Ar18 + 173.053 MeV [17.096 MeV] (A_Er:523)
164Er68 + 10 D* --> 148Sm62 + 36S16 + 175.414 MeV [19.457 MeV] (A_Er:524)
164Er68 + 10 D* --> 150Sm62 + 34S16 + 172.397 MeV [16.440 MeV] (A_Er:525)
164Er68 + 10 D* --> 152Sm62 + 32S16 + 166.192 MeV [10.235 MeV] (A_Er:526)
164Er68 + 10 D* --> 153Eu63 + 31P15 + 163.222 MeV [7.265 MeV] (A_Er:527)
164Er68 + 10 D* --> 154Gd64 + 30Si14 + 163.554 MeV [7.597 MeV] (A_Er:528)
164Er68 + 10 D* --> 155Gd64 + 29Si14 + 159.380 MeV [3.423 MeV] (A_Er:529)
164Er68 + 10 D* --> 156Gd64 + 28Si14 + 159.443 MeV [3.486 MeV] (A_Er:530)
164Er68 + 10 D* --> 158Dy66 + 26Mg12 + 152.034 MeV [-3.922 MeV] (A_Er:531)
164Er68 + 10 D* --> 160Dy66 + 24Mg12 + 149.019 MeV [-6.937 MeV] (A_Er:532)
164Er68 + 10 D* --> 162Er68 + 22Ne10 + 139.775 MeV [-16.182 MeV] (A_Er:533)
164Er68 + 10 D* --> 164Er68 + 20Ne10 + 138.399 MeV [-17.558 MeV] (A_Er:534)
164Er68 + 10 D* --> 168Yb70 + 16O8 + 131.719 MeV [-24.237 MeV] (A_Er:535)

164Er68 + 11 D* --> 131Xe54 + 55Mn25 + 224.669 MeV [51.514 MeV] (A_Er:536)
164Er68 + 11 D* --> 133Cs55 + 53Cr24 + 221.899 MeV [48.744 MeV] (A_Er:537)
164Er68 + 11 D* --> 135Ba56 + 51V23 + 218.595 MeV [45.440 MeV] (A_Er:538)
164Er68 + 11 D* --> 136Ba56 + 50V23 + 216.652 MeV [43.497 MeV] (A_Er:539)
164Er68 + 11 D* --> 138La57 + 48Ti22 + 213.556 MeV [40.401 MeV] (A_Er:540)
164Er68 + 11 D* --> 139La57 + 47Ti22 + 210.707 MeV [37.552 MeV] (A_Er:541)
164Er68 + 11 D* --> 145Nd60 + 41K19 + 195.540 MeV [22.384 MeV] (A_Er:542)
164Er68 + 11 D* --> 146Nd60 + 40K19 + 193.010 MeV [19.854 MeV] (A_Er:543)
164Er68 + 11 D* --> 149Sm62 + 37Cl17 + 187.447 MeV [14.292 MeV] (A_Er:544)
164Er68 + 11 D* --> 153Eu63 + 33S16 + 178.503 MeV [5.348 MeV] (A_Er:545)
164Er68 + 11 D* --> 155Gd64 + 31P15 + 175.061 MeV [1.906 MeV] (A_Er:546)

164Er68 + 12 D* --> 94Zr40 + 94Zr40 + 266.213 MeV [75.575 MeV] (A_Er:547)

164Er68 + 12 D* --> 96Zr40 + 92Zr40 + 265.576 MeV [74.938 MeV] (A_Er:548)
164Er68 + 12 D* --> 100Mo42 + 88Sr38 + 265.785 MeV [75.148 MeV] (A_Er:549)
164Er68 + 12 D* --> 102Ru44 + 86Kr36 + 264.043 MeV [73.405 MeV] (A_Er:550)
164Er68 + 12 D* --> 104Ru44 + 84Kr36 + 262.199 MeV [71.562 MeV] (A_Er:551)
164Er68 + 12 D* --> 106Pd46 + 82Se34 + 259.176 MeV [68.538 MeV] (A_Er:552)
164Er68 + 12 D* --> 108Pd46 + 80Se34 + 258.963 MeV [68.326 MeV] (A_Er:553)
164Er68 + 12 D* --> 110Pd46 + 78Se34 + 257.054 MeV [66.417 MeV] (A_Er:554)
164Er68 + 12 D* --> 112Cd48 + 76Ge32 + 255.473 MeV [64.835 MeV] (A_Er:555)
164Er68 + 12 D* --> 114Cd48 + 74Ge32 + 255.122 MeV [64.485 MeV] (A_Er:556)
164Er68 + 12 D* --> 116Cd48 + 72Ge32 + 252.984 MeV [62.347 MeV] (A_Er:557)
164Er68 + 12 D* --> 118Sn50 + 70Zn30 + 252.900 MeV [62.262 MeV] (A_Er:558)
164Er68 + 12 D* --> 120Sn50 + 68Zn30 + 252.791 MeV [62.154 MeV] (A_Er:559)
164Er68 + 12 D* --> 122Sn50 + 66Zn30 + 250.524 MeV [59.887 MeV] (A_Er:560)
164Er68 + 12 D* --> 124Sn50 + 64Zn30 + 245.919 MeV [55.282 MeV] (A_Er:561)
164Er68 + 12 D* --> 123Sb51 + 65Cu29 + 248.167 MeV [57.529 MeV] (A_Er:562)
164Er68 + 12 D* --> 124Te52 + 64Ni28 + 249.303 MeV [58.665 MeV] (A_Er:563)
164Er68 + 12 D* --> 126Te52 + 62Ni28 + 248.490 MeV [57.852 MeV] (A_Er:564)
164Er68 + 12 D* --> 128Te52 + 60Ni28 + 245.143 MeV [54.506 MeV] (A_Er:565)
164Er68 + 12 D* --> 130Te52 + 58Ni28 + 239.258 MeV [48.621 MeV] (A_Er:566)
164Er68 + 12 D* --> 130Xe54 + 58Fe26 + 243.714 MeV [53.077 MeV] (A_Er:567)
164Er68 + 12 D* --> 131Xe54 + 57Fe26 + 240.274 MeV [49.637 MeV] (A_Er:568)
164Er68 + 12 D* --> 132Xe54 + 56Fe26 + 241.565 MeV [50.927 MeV] (A_Er:569)
164Er68 + 12 D* --> 134Xe54 + 54Fe26 + 236.056 MeV [45.419 MeV] (A_Er:570)
164Er68 + 12 D* --> 133Cs55 + 55Mn25 + 237.461 MeV [46.823 MeV] (A_Er:571)
164Er68 + 12 D* --> 134Ba56 + 54Cr24 + 237.562 MeV [46.924 MeV] (A_Er:572)
164Er68 + 12 D* --> 135Ba56 + 53Cr24 + 234.814 MeV [44.177 MeV] (A_Er:573)
164Er68 + 12 D* --> 136Ba56 + 52Cr24 + 235.983 MeV [45.346 MeV] (A_Er:574)
164Er68 + 12 D* --> 138Ba56 + 50Cr24 + 230.200 MeV [39.563 MeV] (A_Er:575)
164Er68 + 12 D* --> 138La57 + 50V23 + 227.425 MeV [36.788 MeV] (A_Er:576)
164Er68 + 12 D* --> 138Ce58 + 50Ti22 + 230.674 MeV [40.037 MeV] (A_Er:577)
164Er68 + 12 D* --> 140Ce58 + 48Ti22 + 228.250 MeV [37.613 MeV] (A_Er:578)
164Er68 + 12 D* --> 142Ce58 + 46Ti22 + 220.341 MeV [29.704 MeV] (A_Er:579)
164Er68 + 12 D* --> 142Nd60 + 46Ca20 + 220.769 MeV [30.132 MeV] (A_Er:580)
164Er68 + 12 D* --> 144Nd60 + 44Ca20 + 216.901 MeV [26.263 MeV] (A_Er:581)
164Er68 + 12 D* --> 145Nd60 + 43Ca20 + 211.525 MeV [20.887 MeV] (A_Er:582)
164Er68 + 12 D* --> 146Nd60 + 42Ca20 + 211.157 MeV [20.520 MeV] (A_Er:583)
164Er68 + 12 D* --> 148Nd60 + 40Ca20 + 203.939 MeV [13.301 MeV] (A_Er:584)
164Er68 + 12 D* --> 148Sm62 + 40Ar18 + 206.061 MeV [15.424 MeV] (A_Er:585)
164Er68 + 12 D* --> 150Sm62 + 38Ar18 + 203.451 MeV [12.814 MeV] (A_Er:586)
164Er68 + 12 D* --> 152Sm62 + 36Ar18 + 196.679 MeV [6.042 MeV] (A_Er:587)
164Er68 + 12 D* --> 151Eu63 + 37Cl17 + 198.100 MeV [7.462 MeV] (A_Er:588)
164Er68 + 12 D* --> 153Eu63 + 35Cl17 + 194.066 MeV [3.429 MeV] (A_Er:589)
164Er68 + 12 D* --> 152Gd64 + 36S16 + 197.057 MeV [6.420 MeV] (A_Er:590)
164Er68 + 12 D* --> 154Gd64 + 34S16 + 195.324 MeV [4.687 MeV] (A_Er:591)
164Er68 + 12 D* --> 155Gd64 + 33S16 + 190.342 MeV [-0.295 MeV] (A_Er:592)
164Er68 + 12 D* --> 156Gd64 + 32S16 + 190.237 MeV [-0.400 MeV] (A_Er:593)
164Er68 + 12 D* --> 158Dy66 + 30Si14 + 186.524 MeV [-4.113 MeV] (A_Er:594)
164Er68 + 12 D* --> 160Dy66 + 28Si14 + 182.850 MeV [-7.787 MeV] (A_Er:595)
164Er68 + 12 D* --> 162Er68 + 26Mg12 + 174.236 MeV [-16.401 MeV] (A_Er:596)
164Er68 + 12 D* --> 164Er68 + 24Mg12 + 171.562 MeV [-19.075 MeV] (A_Er:597)
164Er68 + 12 D* --> 168Yb70 + 20Ne10 + 160.296 MeV [-30.342 MeV] (A_Er:598)

166Er68 + D* --> 154Sm62 + 14N7 + 17.802 MeV [3.605 MeV] (A_Er:599)
166Er68 + D* --> 157Gd64 + 11B5 + 10.367 MeV [-3.830 MeV] (A_Er:600)

166Er68 + D* --> 158Gd64 + 10B5 + 6.850 MeV [-7.347 MeV] (A_Er:601)
166Er68 + D* --> 159Tb65 + 9Be4 + 6.396 MeV [-7.801 MeV] (A_Er:602)
166Er68 + D* --> 161Dy66 + 7Li3 + 1.357 MeV [-12.840 MeV] (A_Er:603)
166Er68 + D* --> 162Dy66 + 6Li3 + 2.304 MeV [-11.893 MeV] (A_Er:604)
166Er68 + D* --> 167Er68 + 1H1 + 4.212 MeV [-9.985 MeV] (A_Er:605)

166Er68 + 2 D* --> 122Sn50 + 48Ca20 + 95.500 MeV [66.802 MeV] (A_Er:606)
166Er68 + 2 D* --> 124Sn50 + 46Ca20 + 92.712 MeV [64.014 MeV] (A_Er:607)
166Er68 + 2 D* --> 130Te52 + 40Ar18 + 83.731 MeV [55.033 MeV] (A_Er:608)
166Er68 + 2 D* --> 134Xe54 + 36S16 + 80.128 MeV [51.431 MeV] (A_Er:609)
166Er68 + 2 D* --> 136Xe54 + 34S16 + 77.697 MeV [48.999 MeV] (A_Er:610)
166Er68 + 2 D* --> 148Nd60 + 22Ne10 + 46.778 MeV [18.080 MeV] (A_Er:611)
166Er68 + 2 D* --> 150Nd60 + 20Ne10 + 42.071 MeV [13.374 MeV] (A_Er:612)
166Er68 + 2 D* --> 152Sm62 + 18O8 + 36.890 MeV [8.192 MeV] (A_Er:613)
166Er68 + 2 D* --> 154Sm62 + 16O8 + 38.538 MeV [9.841 MeV] (A_Er:614)
166Er68 + 2 D* --> 157Gd64 + 13C6 + 29.046 MeV [00.348 MeV] (A_Er:615)
166Er68 + 2 D* --> 158Gd64 + 12C6 + 32.037 MeV [3.339 MeV] (A_Er:616)
166Er68 + 2 D* --> 159Tb65 + 11B5 + 22.211 MeV [-6.487 MeV] (A_Er:617)
166Er68 + 2 D* --> 161Dy66 + 9Be4 + 18.053 MeV [-10.644 MeV] (A_Er:618)
166Er68 + 2 D* --> 166Er68 + 4He2 + 23.847 MeV [-4.851 MeV] (A_Er:619)
166Er68 + 2 D* --> 167Er68 + 3He2 + 9.705 MeV [-18.992 MeV] (A_Er:620)
166Er68 + 2 D* --> 169Tm69 + 1H1 + 15.331 MeV [-13.367 MeV] (A_Er:621)
166Er68 + 2 D* --> 170Yb70 + 22.109 MeV [-6.589 MeV] (A_Er:622)

166Er68 + 3 D* --> 157Gd64 + 15N7 + 45.205 MeV [1.704 MeV] (A_Er:623)
166Er68 + 3 D* --> 158Gd64 + 14N7 + 42.309 MeV [-1.192 MeV] (A_Er:624)
166Er68 + 3 D* --> 159Tb65 + 13C6 + 40.890 MeV [-2.611 MeV] (A_Er:625)
166Er68 + 3 D* --> 161Dy66 + 11B5 + 33.869 MeV [-9.632 MeV] (A_Er:626)
166Er68 + 3 D* --> 162Dy66 + 10B5 + 30.612 MeV [-12.889 MeV] (A_Er:627)
166Er68 + 3 D* --> 166Er68 + 6Li3 + 25.320 MeV [-18.180 MeV] (A_Er:628)
166Er68 + 3 D* --> 169Tm69 + 3He2 + 20.824 MeV [-22.676 MeV] (A_Er:629)
166Er68 + 3 D* --> 170Yb70 + 2H1 + 22.109 MeV [-21.392 MeV] (A_Er:630)
166Er68 + 3 D* --> 171Yb70 + 1H1 + 26.499 MeV [-17.002 MeV] (A_Er:631)

166Er68 + 4 D* --> 124Sn50 + 50Ti22 + 127.275 MeV [68.672 MeV] (A_Er:632)
166Er68 + 4 D* --> 126Te52 + 48Ca20 + 121.890 MeV [63.287 MeV] (A_Er:633)
166Er68 + 4 D* --> 128Te52 + 46Ca20 + 119.738 MeV [61.135 MeV] (A_Er:634)
166Er68 + 4 D* --> 130Te52 + 44Ca20 + 116.431 MeV [57.828 MeV] (A_Er:635)
166Er68 + 4 D* --> 134Xe54 + 40Ar18 + 110.776 MeV [52.173 MeV] (A_Er:636)
166Er68 + 4 D* --> 136Xe54 + 38Ar18 + 108.751 MeV [50.148 MeV] (A_Er:637)
166Er68 + 4 D* --> 138Ba56 + 36S16 + 106.537 MeV [47.934 MeV] (A_Er:638)
166Er68 + 4 D* --> 148Nd60 + 26Mg12 + 81.239 MeV [22.636 MeV] (A_Er:639)
166Er68 + 4 D* --> 150Nd60 + 24Mg12 + 75.235 MeV [16.631 MeV] (A_Er:640)
166Er68 + 4 D* --> 152Sm62 + 22Ne10 + 70.405 MeV [11.802 MeV] (A_Er:641)
166Er68 + 4 D* --> 154Sm62 + 20Ne10 + 67.115 MeV [8.512 MeV] (A_Er:642)
166Er68 + 4 D* --> 156Gd64 + 18O8 + 60.935 MeV [2.332 MeV] (A_Er:643)
166Er68 + 4 D* --> 157Gd64 + 17O8 + 59.251 MeV [00.648 MeV] (A_Er:644)
166Er68 + 4 D* --> 158Gd64 + 16O8 + 63.045 MeV [4.442 MeV] (A_Er:645)
166Er68 + 4 D* --> 159Tb65 + 15N7 + 57.049 MeV [-1.554 MeV] (A_Er:646)
166Er68 + 4 D* --> 161Dy66 + 13C6 + 52.547 MeV [-6.056 MeV] (A_Er:647)
166Er68 + 4 D* --> 162Dy66 + 12C6 + 55.798 MeV [-2.805 MeV] (A_Er:648)
166Er68 + 4 D* --> 170Yb70 + 4He2 + 45.955 MeV [-12.648 MeV] (A_Er:649)
166Er68 + 4 D* --> 171Yb70 + 3He2 + 31.992 MeV [-26.611 MeV] (A_Er:650)
166Er68 + 4 D* --> 174Hf72 + 43.458 MeV [-15.145 MeV] (A_Er:651)

166Er68 + 5 D* --> 136Xe54 + 40K19 + 120.707 MeV [46.704 MeV] (A_Er:652)
166Er68 + 5 D* --> 157Gd64 + 19F9 + 73.065 MeV [-0.938 MeV] (A_Er:653)
166Er68 + 5 D* --> 159Tb65 + 17O8 + 71.095 MeV [-2.908 MeV] (A_Er:654)
166Er68 + 5 D* --> 161Dy66 + 15N7 + 68.707 MeV [-5.297 MeV] (A_Er:655)
166Er68 + 5 D* --> 162Dy66 + 14N7 + 66.070 MeV [-7.933 MeV] (A_Er:656)
166Er68 + 5 D* --> 166Er68 + 10B5 + 53.628 MeV [-20.375 MeV] (A_Er:657)
166Er68 + 5 D* --> 170Yb70 + 6Li3 + 47.429 MeV [-26.574 MeV] (A_Er:658)
166Er68 + 5 D* --> 174Hf72 + 2H1 + 43.458 MeV [-30.545 MeV] (A_Er:659)

166Er68 + 6 D* --> 96Zr40 + 82Se34 + 176.920 MeV [87.221 MeV] (A_Er:660)
166Er68 + 6 D* --> 124Sn50 + 54Cr24 + 159.052 MeV [69.353 MeV] (A_Er:661)
166Er68 + 6 D* --> 128Te52 + 50Ti22 + 154.301 MeV [64.603 MeV] (A_Er:662)
166Er68 + 6 D* --> 130Te52 + 48Ti22 + 149.722 MeV [60.023 MeV] (A_Er:663)
166Er68 + 6 D* --> 130Xe54 + 48Ca20 + 147.979 MeV [58.280 MeV] (A_Er:664)
166Er68 + 6 D* --> 132Xe54 + 46Ca20 + 146.298 MeV [56.600 MeV] (A_Er:665)
166Er68 + 6 D* --> 134Xe54 + 44Ca20 + 143.476 MeV [53.777 MeV] (A_Er:666)
166Er68 + 6 D* --> 136Xe54 + 42Ca20 + 138.855 MeV [49.156 MeV] (A_Er:667)
166Er68 + 6 D* --> 138Ba56 + 40Ar18 + 137.184 MeV [47.485 MeV] (A_Er:668)
166Er68 + 6 D* --> 142Ce58 + 36S16 + 129.085 MeV [39.386 MeV] (A_Er:669)
166Er68 + 6 D* --> 148Nd60 + 30Si14 + 115.729 MeV [26.030 MeV] (A_Er:670)
166Er68 + 6 D* --> 150Nd60 + 28Si14 + 109.065 MeV [19.366 MeV] (A_Er:671)
166Er68 + 6 D* --> 152Sm62 + 26Mg12 + 104.866 MeV [15.167 MeV] (A_Er:672)
166Er68 + 6 D* --> 154Sm62 + 24Mg12 + 100.278 MeV [10.579 MeV] (A_Er:673)
166Er68 + 6 D* --> 156Gd64 + 22Ne10 + 94.450 MeV [4.751 MeV] (A_Er:674)
166Er68 + 6 D* --> 157Gd64 + 21Ne10 + 90.445 MeV [00.746 MeV] (A_Er:675)
166Er68 + 6 D* --> 158Gd64 + 20Ne10 + 91.621 MeV [1.923 MeV] (A_Er:676)
166Er68 + 6 D* --> 159Tb65 + 19F9 + 84.909 MeV [-4.790 MeV] (A_Er:677)
166Er68 + 6 D* --> 160Dy66 + 18O8 + 84.342 MeV [-5.356 MeV] (A_Er:678)
166Er68 + 6 D* --> 161Dy66 + 17O8 + 82.753 MeV [-6.946 MeV] (A_Er:679)
166Er68 + 6 D* --> 162Dy66 + 16O8 + 86.807 MeV [-2.892 MeV] (A_Er:680)
166Er68 + 6 D* --> 166Er68 + 12C6 + 78.814 MeV [-10.884 MeV] (A_Er:681)
166Er68 + 6 D* --> 174Hf72 + 4He2 + 67.304 MeV [-22.394 MeV] (A_Er:682)

166Er68 + 7 D* --> 130Te52 + 50V23 + 163.591 MeV [57.904 MeV] (A_Er:683)
166Er68 + 7 D* --> 157Gd64 + 23Na11 + 107.379 MeV [1.691 MeV] (A_Er:684)
166Er68 + 7 D* --> 159Tb65 + 21Ne10 + 102.289 MeV [-3.398 MeV] (A_Er:685)
166Er68 + 7 D* --> 161Dy66 + 19F9 + 96.567 MeV [-9.121 MeV] (A_Er:686)
166Er68 + 7 D* --> 166Er68 + 14N7 + 89.087 MeV [-16.601 MeV] (A_Er:687)
166Er68 + 7 D* --> 170Yb70 + 10B5 + 75.737 MeV [-29.951 MeV] (A_Er:688)
166Er68 + 7 D* --> 174Hf72 + 6Li3 + 68.778 MeV [-36.909 MeV] (A_Er:689)

166Er68 + 8 D* --> 96Zr40 + 86Kr36 + 208.863 MeV [86.894 MeV] (A_Er:690)
166Er68 + 8 D* --> 100Mo42 + 82Se34 + 203.932 MeV [81.964 MeV] (A_Er:691)
166Er68 + 8 D* --> 124Sn50 + 58Fe26 + 190.544 MeV [68.576 MeV] (A_Er:692)
166Er68 + 8 D* --> 128Te52 + 54Cr24 + 186.079 MeV [64.111 MeV] (A_Er:693)
166Er68 + 8 D* --> 130Te52 + 52Cr24 + 182.923 MeV [60.954 MeV] (A_Er:694)
166Er68 + 8 D* --> 132Xe54 + 50Ti22 + 180.861 MeV [58.893 MeV] (A_Er:695)
166Er68 + 8 D* --> 134Xe54 + 48Ti22 + 176.766 MeV [54.798 MeV] (A_Er:696)
166Er68 + 8 D* --> 136Xe54 + 46Ti22 + 170.703 MeV [48.735 MeV] (A_Er:697)
166Er68 + 8 D* --> 134Ba56 + 48Ca20 + 173.318 MeV [51.350 MeV] (A_Er:698)
166Er68 + 8 D* --> 136Ba56 + 46Ca20 + 172.176 MeV [50.208 MeV] (A_Er:699)
166Er68 + 8 D* --> 138Ba56 + 44Ca20 + 169.884 MeV [47.916 MeV] (A_Er:700)
166Er68 + 8 D* --> 142Ce58 + 40Ar18 + 159.733 MeV [37.764 MeV] (A_Er:701)

166Er68 + 8 D* --> 146Nd60 + 36S16 + 151.749 MeV [29.781 MeV] (A_Er:702)
166Er68 + 8 D* --> 148Nd60 + 34S16 + 147.499 MeV [25.531 MeV] (A_Er:703)
166Er68 + 8 D* --> 150Nd60 + 32S16 + 139.860 MeV [17.891 MeV] (A_Er:704)
166Er68 + 8 D* --> 152Sm62 + 30Si14 + 139.356 MeV [17.388 MeV] (A_Er:705)
166Er68 + 8 D* --> 154Sm62 + 28Si14 + 134.109 MeV [12.140 MeV] (A_Er:706)
166Er68 + 8 D* --> 156Gd64 + 26Mg12 + 128.911 MeV [6.943 MeV] (A_Er:707)
166Er68 + 8 D* --> 157Gd64 + 25Mg12 + 124.178 MeV [2.209 MeV] (A_Er:708)
166Er68 + 8 D* --> 158Gd64 + 24Mg12 + 124.784 MeV [2.816 MeV] (A_Er:709)
166Er68 + 8 D* --> 159Tb65 + 23Na11 + 119.223 MeV [-2.745 MeV] (A_Er:710)
166Er68 + 8 D* --> 160Dy66 + 22Ne10 + 117.857 MeV [-4.111 MeV] (A_Er:711)
166Er68 + 8 D* --> 161Dy66 + 21Ne10 + 113.947 MeV [-8.021 MeV] (A_Er:712)
166Er68 + 8 D* --> 162Dy66 + 20Ne10 + 115.383 MeV [-6.585 MeV] (A_Er:713)
166Er68 + 8 D* --> 164Er68 + 18O8 + 106.885 MeV [-15.083 MeV] (A_Er:714)
166Er68 + 8 D* --> 166Er68 + 16O8 + 109.823 MeV [-12.145 MeV] (A_Er:715)
166Er68 + 8 D* --> 170Yb70 + 12C6 + 100.923 MeV [-21.045 MeV] (A_Er:716)

166Er68 + 9 D* --> 134Xe54 + 50V23 + 190.636 MeV [52.098 MeV] (A_Er:717)
166Er68 + 9 D* --> 138La57 + 46Ca20 + 182.950 MeV [44.412 MeV] (A_Er:718)
166Er68 + 9 D* --> 157Gd64 + 27Al13 + 141.317 MeV [2.779 MeV] (A_Er:719)
166Er68 + 9 D* --> 159Tb65 + 25Mg12 + 136.022 MeV [-2.516 MeV] (A_Er:720)
166Er68 + 9 D* --> 161Dy66 + 23Na11 + 130.881 MeV [-7.657 MeV] (A_Er:721)
166Er68 + 9 D* --> 170Yb70 + 14N7 + 111.195 MeV [-27.343 MeV] (A_Er:722)
166Er68 + 9 D* --> 174Hf72 + 10B5 + 97.086 MeV [-41.452 MeV] (A_Er:723)

166Er68 + 10 D* --> 100Mo42 + 86Kr36 + 235.876 MeV [80.480 MeV] (A_Er:724)
166Er68 + 10 D* --> 104Ru44 + 82Se34 + 232.109 MeV [76.713 MeV] (A_Er:725)
166Er68 + 10 D* --> 110Pd46 + 76Ge32 + 227.988 MeV [72.592 MeV] (A_Er:726)
166Er68 + 10 D* --> 116Cd48 + 70Zn30 + 224.710 MeV [69.314 MeV] (A_Er:727)
166Er68 + 10 D* --> 122Sn50 + 64Ni28 + 223.471 MeV [68.075 MeV] (A_Er:728)
166Er68 + 10 D* --> 124Sn50 + 62Ni28 + 221.408 MeV [66.013 MeV] (A_Er:729)
166Er68 + 10 D* --> 128Te52 + 58Fe26 + 217.571 MeV [62.175 MeV] (A_Er:730)
166Er68 + 10 D* --> 130Te52 + 56Fe26 + 214.382 MeV [58.987 MeV] (A_Er:731)
166Er68 + 10 D* --> 132Xe54 + 54Cr24 + 212.639 MeV [57.243 MeV] (A_Er:732)
166Er68 + 10 D* --> 134Xe54 + 52Cr24 + 209.967 MeV [54.571 MeV] (A_Er:733)
166Er68 + 10 D* --> 136Xe54 + 50Cr24 + 203.110 MeV [47.715 MeV] (A_Er:734)
166Er68 + 10 D* --> 136Ba56 + 50Ti22 + 206.739 MeV [51.344 MeV] (A_Er:735)
166Er68 + 10 D* --> 137Ba56 + 49Ti22 + 202.706 MeV [47.310 MeV] (A_Er:736)
166Er68 + 10 D* --> 138Ba56 + 48Ti22 + 203.175 MeV [47.779 MeV] (A_Er:737)
166Er68 + 10 D* --> 138Ce58 + 48Ca20 + 198.208 MeV [42.813 MeV] (A_Er:738)
166Er68 + 10 D* --> 140Ce58 + 46Ca20 + 197.644 MeV [42.248 MeV] (A_Er:739)
166Er68 + 10 D* --> 142Ce58 + 44Ca20 + 192.433 MeV [37.037 MeV] (A_Er:740)
166Er68 + 10 D* --> 146Nd60 + 40Ar18 + 182.397 MeV [27.001 MeV] (A_Er:741)
166Er68 + 10 D* --> 148Nd60 + 38Ar18 + 178.554 MeV [23.158 MeV] (A_Er:742)
166Er68 + 10 D* --> 150Nd60 + 36Ar18 + 170.347 MeV [14.951 MeV] (A_Er:743)
166Er68 + 10 D* --> 150Sm62 + 36S16 + 174.147 MeV [18.751 MeV] (A_Er:744)
166Er68 + 10 D* --> 152Sm62 + 34S16 + 171.126 MeV [15.731 MeV] (A_Er:745)
166Er68 + 10 D* --> 154Sm62 + 32S16 + 164.903 MeV [9.507 MeV] (A_Er:746)
166Er68 + 10 D* --> 156Gd64 + 30Si14 + 163.401 MeV [8.005 MeV] (A_Er:747)
166Er68 + 10 D* --> 157Gd64 + 29Si14 + 159.151 MeV [3.756 MeV] (A_Er:748)
166Er68 + 10 D* --> 158Gd64 + 28Si14 + 158.615 MeV [3.220 MeV] (A_Er:749)
166Er68 + 10 D* --> 159Tb65 + 27Al13 + 153.161 MeV [-2.234 MeV] (A_Er:750)
166Er68 + 10 D* --> 160Dy66 + 26Mg12 + 152.318 MeV [-3.077 MeV] (A_Er:751)
166Er68 + 10 D* --> 161Dy66 + 25Mg12 + 147.680 MeV [-7.716 MeV] (A_Er:752)
166Er68 + 10 D* --> 162Dy66 + 24Mg12 + 148.546 MeV [-6.850 MeV] (A_Er:753)

166Er68 + 10 D* --> 164Er68 + 22Ne10 + 140.400 MeV [-14.996 MeV] (A_Er:754)
166Er68 + 10 D* --> 166Er68 + 20Ne10 + 138.399 MeV [-16.997 MeV] (A_Er:755)
166Er68 + 10 D* --> 168Yb70 + 18O8 + 128.782 MeV [-26.614 MeV] (A_Er:756)
166Er68 + 10 D* --> 170Yb70 + 16O8 + 131.932 MeV [-23.464 MeV] (A_Er:757)
166Er68 + 10 D* --> 174Hf72 + 12C6 + 122.272 MeV [-33.123 MeV] (A_Er:758)

166Er68 + 11 D* --> 137Ba56 + 51V23 + 219.484 MeV [46.945 MeV] (A_Er:759)
166Er68 + 11 D* --> 138Ba56 + 50V23 + 217.045 MeV [44.506 MeV] (A_Er:760)
166Er68 + 11 D* --> 138La57 + 50Ti22 + 217.513 MeV [44.974 MeV] (A_Er:761)
166Er68 + 11 D* --> 139La57 + 49Ti22 + 215.352 MeV [42.813 MeV] (A_Er:762)
166Er68 + 11 D* --> 148Nd60 + 40K19 + 190.510 MeV [17.971 MeV] (A_Er:763)
166Er68 + 11 D* --> 157Gd64 + 31P15 + 174.833 MeV [2.294 MeV] (A_Er:764)
166Er68 + 11 D* --> 159Tb65 + 29Si14 + 170.995 MeV [-1.544 MeV] (A_Er:765)
166Er68 + 11 D* --> 161Dy66 + 27Al13 + 164.819 MeV [-7.720 MeV] (A_Er:766)
166Er68 + 11 D* --> 174Hf72 + 14N7 + 132.545 MeV [-39.994 MeV] (A_Er:767)

166Er68 + 12 D* --> 96Zr40 + 94Zr40 + 265.407 MeV [75.441 MeV] (A_Er:768)
166Er68 + 12 D* --> 104Ru44 + 86Kr36 + 264.052 MeV [74.085 MeV] (A_Er:769)
166Er68 + 12 D* --> 108Pd46 + 82Se34 + 259.815 MeV [69.849 MeV] (A_Er:770)
166Er68 + 12 D* --> 110Pd46 + 80Se34 + 258.806 MeV [68.840 MeV] (A_Er:771)
166Er68 + 12 D* --> 114Cd48 + 76Ge32 + 255.931 MeV [65.965 MeV] (A_Er:772)
166Er68 + 12 D* --> 116Cd48 + 74Ge32 + 254.839 MeV [64.873 MeV] (A_Er:773)
166Er68 + 12 D* --> 120Sn50 + 70Zn30 + 253.367 MeV [63.401 MeV] (A_Er:774)
166Er68 + 12 D* --> 122Sn50 + 68Zn30 + 252.650 MeV [62.684 MeV] (A_Er:775)
166Er68 + 12 D* --> 124Sn50 + 66Zn30 + 249.833 MeV [59.867 MeV] (A_Er:776)
166Er68 + 12 D* --> 126Te52 + 64Ni28 + 249.861 MeV [59.895 MeV] (A_Er:777)
166Er68 + 12 D* --> 128Te52 + 62Ni28 + 248.435 MeV [58.469 MeV] (A_Er:778)
166Er68 + 12 D* --> 130Te52 + 60Ni28 + 244.521 MeV [54.554 MeV] (A_Er:779)
166Er68 + 12 D* --> 132Xe54 + 58Fe26 + 244.131 MeV [54.165 MeV] (A_Er:780)
166Er68 + 12 D* --> 134Xe54 + 56Fe26 + 241.427 MeV [51.461 MeV] (A_Er:781)
166Er68 + 12 D* --> 136Xe54 + 54Fe26 + 235.375 MeV [45.408 MeV] (A_Er:782)
166Er68 + 12 D* --> 136Ba56 + 54Cr24 + 238.517 MeV [48.550 MeV] (A_Er:783)
166Er68 + 12 D* --> 137Ba56 + 53Cr24 + 235.703 MeV [45.737 MeV] (A_Er:784)
166Er68 + 12 D* --> 138Ba56 + 52Cr24 + 236.376 MeV [46.409 MeV] (A_Er:785)
166Er68 + 12 D* --> 139La57 + 51V23 + 232.130 MeV [42.164 MeV] (A_Er:786)
166Er68 + 12 D* --> 140Ce58 + 50Ti22 + 232.207 MeV [42.241 MeV] (A_Er:787)
166Er68 + 12 D* --> 142Ce58 + 48Ti22 + 225.723 MeV [35.757 MeV] (A_Er:788)
166Er68 + 12 D* --> 142Nd60 + 48Ca20 + 222.866 MeV [32.900 MeV] (A_Er:789)
166Er68 + 12 D* --> 144Nd60 + 46Ca20 + 219.585 MeV [29.619 MeV] (A_Er:790)
166Er68 + 12 D* --> 146Nd60 + 44Ca20 + 215.097 MeV [25.130 MeV] (A_Er:791)
166Er68 + 12 D* --> 148Nd60 + 42Ca20 + 208.658 MeV [18.691 MeV] (A_Er:792)
166Er68 + 12 D* --> 150Nd60 + 40Ca20 + 201.233 MeV [11.267 MeV] (A_Er:793)
166Er68 + 12 D* --> 150Sm62 + 40Ar18 + 204.794 MeV [14.828 MeV] (A_Er:794)
166Er68 + 12 D* --> 152Sm62 + 38Ar18 + 202.180 MeV [12.214 MeV] (A_Er:795)
166Er68 + 12 D* --> 154Sm62 + 36Ar18 + 195.390 MeV [5.424 MeV] (A_Er:796)
166Er68 + 12 D* --> 153Eu63 + 37Cl17 + 197.832 MeV [7.866 MeV] (A_Er:797)
166Er68 + 12 D* --> 154Gd64 + 36S16 + 197.074 MeV [7.108 MeV] (A_Er:798)
166Er68 + 12 D* --> 156Gd64 + 34S16 + 195.171 MeV [5.205 MeV] (A_Er:799)
166Er68 + 12 D* --> 157Gd64 + 33S16 + 190.114 MeV [00.148 MeV] (A_Er:800)
166Er68 + 12 D* --> 158Gd64 + 32S16 + 189.410 MeV [-0.557 MeV] (A_Er:801)
166Er68 + 12 D* --> 159Tb65 + 31P15 + 186.677 MeV [-3.289 MeV] (A_Er:802)
166Er68 + 12 D* --> 160Dy66 + 30Si14 + 186.808 MeV [-3.158 MeV] (A_Er:803)
166Er68 + 12 D* --> 161Dy66 + 29Si14 + 182.653 MeV [-7.313 MeV] (A_Er:804)
166Er68 + 12 D* --> 162Dy66 + 28Si14 + 182.377 MeV [-7.590 MeV] (A_Er:805)

166Er68 + 12 D* --> 164Er68 + 26Mg12 + 174.861 MeV [-15.105 MeV] (A_Er:806)
166Er68 + 12 D* --> 166Er68 + 24Mg12 + 171.562 MeV [-18.404 MeV] (A_Er:807)
166Er68 + 12 D* --> 168Yb70 + 22Ne10 + 162.296 MeV [-27.670 MeV] (A_Er:808)
166Er68 + 12 D* --> 170Yb70 + 20Ne10 + 160.508 MeV [-29.458 MeV] (A_Er:809)
166Er68 + 12 D* --> 174Hf72 + 16O8 + 153.281 MeV [-36.685 MeV] (A_Er:810)

167Er68 + D* --> 150Nd60 + 19F9 + 25.016 MeV [10.847 MeV] (A_Er:811)
167Er68 + D* --> 154Sm62 + 15N7 + 22.199 MeV [8.030 MeV] (A_Er:812)
167Er68 + D* --> 158Gd64 + 11B5 + 11.868 MeV [-2.301 MeV] (A_Er:813)
167Er68 + D* --> 162Dy66 + 7Li3 + 3.118 MeV [-11.051 MeV] (A_Er:814)
167Er68 + D* --> 163Dy66 + 6Li3 + 2.139 MeV [-12.030 MeV] (A_Er:815)
167Er68 + D* --> 165Ho67 + 4He2 + 12.319 MeV [-1.850 MeV] (A_Er:816)
167Er68 + D* --> 168Er68 + 1H1 + 5.547 MeV [-8.622 MeV] (A_Er:817)
167Er68 + D* --> 169Tm69 + 11.119 MeV [-3.050 MeV] (A_Er:818)

167Er68 + 2 D* --> 150Nd60 + 21Ne10 + 42.396 MeV [13.754 MeV] (A_Er:819)
167Er68 + 2 D* --> 154Sm62 + 17O8 + 36.245 MeV [7.603 MeV] (A_Er:820)
167Er68 + 2 D* --> 158Gd64 + 13C6 + 30.546 MeV [1.905 MeV] (A_Er:821)
167Er68 + 2 D* --> 162Dy66 + 9Be4 + 19.814 MeV [-8.828 MeV] (A_Er:822)
167Er68 + 2 D* --> 165Ho67 + 6Li3 + 13.792 MeV [-14.849 MeV] (A_Er:823)
167Er68 + 2 D* --> 167Er68 + 4He2 + 23.847 MeV [-4.795 MeV] (A_Er:824)
167Er68 + 2 D* --> 168Er68 + 3He2 + 11.040 MeV [-17.602 MeV] (A_Er:825)
167Er68 + 2 D* --> 169Tm69 + 2H1 + 11.119 MeV [-17.523 MeV] (A_Er:826)
167Er68 + 2 D* --> 171Yb70 + 22.287 MeV [-6.355 MeV] (A_Er:827)

167Er68 + 3 D* --> 136Xe54 + 37Cl17 + 94.297 MeV [50.880 MeV] (A_Er:828)
167Er68 + 3 D* --> 150Nd60 + 23Na11 + 59.330 MeV [15.913 MeV] (A_Er:829)
167Er68 + 3 D* --> 154Sm62 + 19F9 + 50.059 MeV [6.643 MeV] (A_Er:830)
167Er68 + 3 D* --> 158Gd64 + 15N7 + 46.706 MeV [3.289 MeV] (A_Er:831)
167Er68 + 3 D* --> 162Dy66 + 11B5 + 35.629 MeV [-7.787 MeV] (A_Er:832)
167Er68 + 3 D* --> 163Dy66 + 10B5 + 30.446 MeV [-12.970 MeV] (A_Er:833)
167Er68 + 3 D* --> 166Er68 + 7Li3 + 26.134 MeV [-17.283 MeV] (A_Er:834)
167Er68 + 3 D* --> 167Er68 + 6Li3 + 25.320 MeV [-18.096 MeV] (A_Er:835)
167Er68 + 3 D* --> 169Tm69 + 4He2 + 34.965 MeV [-8.451 MeV] (A_Er:836)
167Er68 + 3 D* --> 171Yb70 + 2H1 + 22.287 MeV [-21.130 MeV] (A_Er:837)
167Er68 + 3 D* --> 172Yb70 + 1H1 + 28.082 MeV [-15.335 MeV] (A_Er:838)

167Er68 + 4 D* --> 150Nd60 + 25Mg12 + 76.129 MeV [17.637 MeV] (A_Er:839)
167Er68 + 4 D* --> 154Sm62 + 21Ne10 + 67.440 MeV [8.948 MeV] (A_Er:840)
167Er68 + 4 D* --> 157Gd64 + 18O8 + 60.858 MeV [2.367 MeV] (A_Er:841)
167Er68 + 4 D* --> 158Gd64 + 17O8 + 60.752 MeV [2.260 MeV] (A_Er:842)
167Er68 + 4 D* --> 162Dy66 + 13C6 + 54.308 MeV [-4.183 MeV] (A_Er:843)
167Er68 + 4 D* --> 163Dy66 + 12C6 + 55.633 MeV [-2.859 MeV] (A_Er:844)
167Er68 + 4 D* --> 165Ho67 + 10B5 + 42.100 MeV [-16.391 MeV] (A_Er:845)
167Er68 + 4 D* --> 166Er68 + 9Be4 + 42.830 MeV [-15.661 MeV] (A_Er:846)
167Er68 + 4 D* --> 169Tm69 + 6Li3 + 36.439 MeV [-22.052 MeV] (A_Er:847)
167Er68 + 4 D* --> 171Yb70 + 4He2 + 46.133 MeV [-12.358 MeV] (A_Er:848)
167Er68 + 4 D* --> 172Yb70 + 3He2 + 33.575 MeV [-24.916 MeV] (A_Er:849)

167Er68 + 5 D* --> 136Xe54 + 41K19 + 124.366 MeV [50.502 MeV] (A_Er:850)
167Er68 + 5 D* --> 150Nd60 + 27Al13 + 93.268 MeV [19.405 MeV] (A_Er:851)
167Er68 + 5 D* --> 154Sm62 + 23Na11 + 84.373 MeV [10.510 MeV] (A_Er:852)
167Er68 + 5 D* --> 158Gd64 + 19F9 + 74.566 MeV [00.702 MeV] (A_Er:853)
167Er68 + 5 D* --> 159Tb65 + 18O8 + 72.702 MeV [-1.161 MeV] (A_Er:854)

167Er68 + 5 D* --> 162Dy66 + 15N7 + 70.467 MeV [-3.396 MeV] (A_Er:855)
167Er68 + 5 D* --> 163Dy66 + 14N7 + 65.905 MeV [-7.959 MeV] (A_Er:856)
167Er68 + 5 D* --> 165Ho67 + 12C6 + 67.286 MeV [-6.577 MeV] (A_Er:857)
167Er68 + 5 D* --> 166Er68 + 11B5 + 58.646 MeV [-15.218 MeV] (A_Er:858)
167Er68 + 5 D* --> 167Er68 + 10B5 + 53.628 MeV [-20.236 MeV] (A_Er:859)
167Er68 + 5 D* --> 170Yb70 + 7Li3 + 48.243 MeV [-25.621 MeV] (A_Er:860)
167Er68 + 5 D* --> 171Yb70 + 6Li3 + 47.607 MeV [-26.256 MeV] (A_Er:861)
167Er68 + 5 D* --> 176Hf72 + 1H1 + 49.670 MeV [-24.193 MeV] (A_Er:862)

167Er68 + 6 D* --> 130Te52 + 49Ti22 + 151.428 MeV [61.896 MeV] (A_Er:863)
167Er68 + 6 D* --> 131Xe54 + 48Ca20 + 148.147 MeV [58.615 MeV] (A_Er:864)
167Er68 + 6 D* --> 136Xe54 + 43Ca20 + 140.351 MeV [50.820 MeV] (A_Er:865)
167Er68 + 6 D* --> 150Nd60 + 29Si14 + 111.102 MeV [21.571 MeV] (A_Er:866)
167Er68 + 6 D* --> 154Sm62 + 25Mg12 + 101.172 MeV [11.641 MeV] (A_Er:867)
167Er68 + 6 D* --> 157Gd64 + 22Ne10 + 94.373 MeV [4.842 MeV] (A_Er:868)
167Er68 + 6 D* --> 158Gd64 + 21Ne10 + 91.946 MeV [2.415 MeV] (A_Er:869)
167Er68 + 6 D* --> 161Dy66 + 18O8 + 84.360 MeV [-5.171 MeV] (A_Er:870)
167Er68 + 6 D* --> 162Dy66 + 17O8 + 84.513 MeV [-5.018 MeV] (A_Er:871)
167Er68 + 6 D* --> 163Dy66 + 16O8 + 86.641 MeV [-2.890 MeV] (A_Er:872)
167Er68 + 6 D* --> 165Ho67 + 14N7 + 77.559 MeV [-11.973 MeV] (A_Er:873)
167Er68 + 6 D* --> 166Er68 + 13C6 + 77.324 MeV [-12.207 MeV] (A_Er:874)
167Er68 + 6 D* --> 167Er68 + 12C6 + 78.814 MeV [-10.717 MeV] (A_Er:875)
167Er68 + 6 D* --> 169Tm69 + 10B5 + 64.747 MeV [-24.785 MeV] (A_Er:876)
167Er68 + 6 D* --> 170Yb70 + 9Be4 + 64.939 MeV [-24.593 MeV] (A_Er:877)
167Er68 + 6 D* --> 176Hf72 + 3He2 + 55.164 MeV [-34.368 MeV] (A_Er:878)

167Er68 + 7 D* --> 130Te52 + 51V23 + 168.206 MeV [62.713 MeV] (A_Er:879)
167Er68 + 7 D* --> 136Xe54 + 45Sc21 + 156.146 MeV [50.653 MeV] (A_Er:880)
167Er68 + 7 D* --> 133Cs55 + 48Ca20 + 160.938 MeV [55.446 MeV] (A_Er:881)
167Er68 + 7 D* --> 150Nd60 + 31P15 + 126.784 MeV [21.291 MeV] (A_Er:882)
167Er68 + 7 D* --> 154Sm62 + 27Al13 + 118.312 MeV [12.819 MeV] (A_Er:883)
167Er68 + 7 D* --> 158Gd64 + 23Na11 + 108.880 MeV [3.387 MeV] (A_Er:884)
167Er68 + 7 D* --> 159Tb65 + 22Ne10 + 106.217 MeV [00.724 MeV] (A_Er:885)
167Er68 + 7 D* --> 162Dy66 + 19F9 + 98.328 MeV [-7.165 MeV] (A_Er:886)
167Er68 + 7 D* --> 165Ho67 + 16O8 + 98.295 MeV [-7.198 MeV] (A_Er:887)
167Er68 + 7 D* --> 166Er68 + 15N7 + 93.483 MeV [-12.009 MeV] (A_Er:888)
167Er68 + 7 D* --> 167Er68 + 14N7 + 89.087 MeV [-16.406 MeV] (A_Er:889)
167Er68 + 7 D* --> 169Tm69 + 12C6 + 89.933 MeV [-15.559 MeV] (A_Er:890)
167Er68 + 7 D* --> 170Yb70 + 11B5 + 80.754 MeV [-24.738 MeV] (A_Er:891)
167Er68 + 7 D* --> 171Yb70 + 10B5 + 75.915 MeV [-29.578 MeV] (A_Er:892)
167Er68 + 7 D* --> 174Hf72 + 7Li3 + 69.592 MeV [-35.901 MeV] (A_Er:893)
167Er68 + 7 D* --> 180W74 + 1H1 + 71.009 MeV [-34.484 MeV] (A_Er:894)

167Er68 + 8 D* --> 130Te52 + 53Cr24 + 184.425 MeV [62.680 MeV] (A_Er:895)
167Er68 + 8 D* --> 134Xe54 + 49Ti22 + 178.472 MeV [56.727 MeV] (A_Er:896)
167Er68 + 8 D* --> 136Xe54 + 47Ti22 + 173.147 MeV [51.401 MeV] (A_Er:897)
167Er68 + 8 D* --> 135Ba56 + 48Ca20 + 173.854 MeV [52.108 MeV] (A_Er:898)
167Er68 + 8 D* --> 137Ba56 + 46Ca20 + 172.645 MeV [50.900 MeV] (A_Er:899)
167Er68 + 8 D* --> 150Nd60 + 33S16 + 142.065 MeV [20.319 MeV] (A_Er:900)
167Er68 + 8 D* --> 154Sm62 + 29Si14 + 136.146 MeV [14.400 MeV] (A_Er:901)
167Er68 + 8 D* --> 157Gd64 + 26Mg12 + 128.834 MeV [7.089 MeV] (A_Er:902)
167Er68 + 8 D* --> 158Gd64 + 25Mg12 + 125.679 MeV [3.933 MeV] (A_Er:903)
167Er68 + 8 D* --> 161Dy66 + 22Ne10 + 117.875 MeV [-3.871 MeV] (A_Er:904)
167Er68 + 8 D* --> 162Dy66 + 21Ne10 + 115.708 MeV [-6.038 MeV] (A_Er:905)

167Er68 + 8 D* --> 163Dy66 + 20Ne10 + 115.217 MeV [-6.528 MeV] (A_Er:906)
167Er68 + 8 D* --> 166Er68 + 17O8 + 107.529 MeV [-14.216 MeV] (A_Er:907)
167Er68 + 8 D* --> 167Er68 + 16O8 + 109.823 MeV [-11.923 MeV] (A_Er:908)
167Er68 + 8 D* --> 169Tm69 + 14N7 + 100.206 MeV [-21.540 MeV] (A_Er:909)
167Er68 + 8 D* --> 170Yb70 + 13C6 + 99.433 MeV [-22.313 MeV] (A_Er:910)
167Er68 + 8 D* --> 171Yb70 + 12C6 + 101.101 MeV [-20.644 MeV] (A_Er:911)
167Er68 + 8 D* --> 174Hf72 + 9Be4 + 86.288 MeV [-35.458 MeV] (A_Er:912)
167Er68 + 8 D* --> 180W74 + 3He2 + 76.502 MeV [-45.243 MeV] (A_Er:913)

167Er68 + 9 D* --> 130Te52 + 55Mn25 + 199.987 MeV [61.699 MeV] (A_Er:914)
167Er68 + 9 D* --> 134Xe54 + 51V23 + 195.251 MeV [56.963 MeV] (A_Er:915)
167Er68 + 9 D* --> 139La57 + 46Ca20 + 185.291 MeV [47.003 MeV] (A_Er:916)
167Er68 + 9 D* --> 148Nd60 + 37Cl17 + 164.100 MeV [25.812 MeV] (A_Er:917)
167Er68 + 9 D* --> 150Nd60 + 35Cl17 + 157.628 MeV [19.340 MeV] (A_Er:918)
167Er68 + 9 D* --> 154Sm62 + 31P15 + 151.827 MeV [13.539 MeV] (A_Er:919)
167Er68 + 9 D* --> 158Gd64 + 27Al13 + 142.818 MeV [4.530 MeV] (A_Er:920)
167Er68 + 9 D* --> 159Tb65 + 26Mg12 + 140.678 MeV [2.390 MeV] (A_Er:921)
167Er68 + 9 D* --> 162Dy66 + 23Na11 + 132.641 MeV [-5.647 MeV] (A_Er:922)
167Er68 + 9 D* --> 165Ho67 + 20Ne10 + 126.871 MeV [-11.417 MeV] (A_Er:923)
167Er68 + 9 D* --> 166Er68 + 19F9 + 121.344 MeV [-16.944 MeV] (A_Er:924)
167Er68 + 9 D* --> 169Tm69 + 16O8 + 120.942 MeV [-17.346 MeV] (A_Er:925)
167Er68 + 9 D* --> 170Yb70 + 15N7 + 115.592 MeV [-22.696 MeV] (A_Er:926)
167Er68 + 9 D* --> 171Yb70 + 14N7 + 111.373 MeV [-26.915 MeV] (A_Er:927)
167Er68 + 9 D* --> 174Hf72 + 11B5 + 102.103 MeV [-36.185 MeV] (A_Er:928)
167Er68 + 9 D* --> 184Os76 + 1H1 + 91.892 MeV [-46.396 MeV] (A_Er:929)

167Er68 + 10 D* --> 130Te52 + 57Fe26 + 215.592 MeV [60.474 MeV] (A_Er:930)
167Er68 + 10 D* --> 134Xe54 + 53Cr24 + 211.470 MeV [56.352 MeV] (A_Er:931)
167Er68 + 10 D* --> 137Ba56 + 50Ti22 + 207.208 MeV [52.090 MeV] (A_Er:932)
167Er68 + 10 D* --> 138Ba56 + 49Ti22 + 204.881 MeV [49.763 MeV] (A_Er:933)
167Er68 + 10 D* --> 154Sm62 + 33S16 + 167.108 MeV [11.990 MeV] (A_Er:934)
167Er68 + 10 D* --> 157Gd64 + 30Si14 + 163.324 MeV [8.206 MeV] (A_Er:935)
167Er68 + 10 D* --> 158Gd64 + 29Si14 + 160.652 MeV [5.534 MeV] (A_Er:936)
167Er68 + 10 D* --> 161Dy66 + 26Mg12 + 152.336 MeV [-2.782 MeV] (A_Er:937)
167Er68 + 10 D* --> 162Dy66 + 25Mg12 + 149.440 MeV [-5.678 MeV] (A_Er:938)
167Er68 + 10 D* --> 163Dy66 + 24Mg12 + 148.381 MeV [-6.738 MeV] (A_Er:939)
167Er68 + 10 D* --> 166Er68 + 21Ne10 + 138.724 MeV [-16.394 MeV] (A_Er:940)
167Er68 + 10 D* --> 167Er68 + 20Ne10 + 138.399 MeV [-16.719 MeV] (A_Er:941)
167Er68 + 10 D* --> 170Yb70 + 17O8 + 129.638 MeV [-25.480 MeV] (A_Er:942)
167Er68 + 10 D* --> 171Yb70 + 16O8 + 132.110 MeV [-23.009 MeV] (A_Er:943)
167Er68 + 10 D* --> 174Hf72 + 13C6 + 120.782 MeV [-34.336 MeV] (A_Er:944)
167Er68 + 10 D* --> 184Os76 + 3He2 + 97.385 MeV [-57.733 MeV] (A_Er:945)

167Er68 + 11 D* --> 124Sn50 + 65Cu29 + 236.697 MeV [64.463 MeV] (A_Er:946)
167Er68 + 11 D* --> 130Te52 + 59Co27 + 230.776 MeV [58.542 MeV] (A_Er:947)
167Er68 + 11 D* --> 134Xe54 + 55Mn25 + 227.031 MeV [54.797 MeV] (A_Er:948)
167Er68 + 11 D* --> 138Ba56 + 51V23 + 221.659 MeV [49.425 MeV] (A_Er:949)
167Er68 + 11 D* --> 139La57 + 50Ti22 + 219.854 MeV [47.620 MeV] (A_Er:950)
167Er68 + 11 D* --> 141Pr59 + 48Ca20 + 211.431 MeV [39.197 MeV] (A_Er:951)
167Er68 + 11 D* --> 148Nd60 + 41K19 + 194.169 MeV [21.935 MeV] (A_Er:952)
167Er68 + 11 D* --> 150Nd60 + 39K19 + 188.693 MeV [16.459 MeV] (A_Er:953)
167Er68 + 11 D* --> 152Sm62 + 37Cl17 + 187.727 MeV [15.492 MeV] (A_Er:954)
167Er68 + 11 D* --> 154Sm62 + 35Cl17 + 182.671 MeV [10.437 MeV] (A_Er:955)
167Er68 + 11 D* --> 153Eu63 + 36S16 + 185.234 MeV [13.000 MeV] (A_Er:956)

167Er68 + 11 D* --> 158Gd64 + 31P15 + 176.334 MeV [4.100 MeV] (A_Er:957)
167Er68 + 11 D* --> 159Tb65 + 30Si14 + 175.168 MeV [2.934 MeV] (A_Er:958)
167Er68 + 11 D* --> 162Dy66 + 27Al13 + 166.580 MeV [-5.654 MeV] (A_Er:959)
167Er68 + 11 D* --> 165Ho67 + 24Mg12 + 160.034 MeV [-12.200 MeV] (A_Er:960)
167Er68 + 11 D* --> 166Er68 + 23Na11 + 155.658 MeV [-16.576 MeV] (A_Er:961)
167Er68 + 11 D* --> 169Tm69 + 20Ne10 + 149.518 MeV [-22.716 MeV] (A_Er:962)
167Er68 + 11 D* --> 170Yb70 + 19F9 + 143.453 MeV [-28.782 MeV] (A_Er:963)
167Er68 + 11 D* --> 174Hf72 + 15N7 + 136.941 MeV [-35.293 MeV] (A_Er:964)

167Er68 + 12 D* --> 124Sn50 + 67Zn30 + 250.449 MeV [60.815 MeV] (A_Er:965)
167Er68 + 12 D* --> 130Te52 + 61Ni28 + 245.904 MeV [56.270 MeV] (A_Er:966)
167Er68 + 12 D* --> 134Xe54 + 57Fe26 + 242.637 MeV [53.002 MeV] (A_Er:967)
167Er68 + 12 D* --> 137Ba56 + 54Cr24 + 238.986 MeV [49.352 MeV] (A_Er:968)
167Er68 + 12 D* --> 138Ba56 + 53Cr24 + 237.878 MeV [48.244 MeV] (A_Er:969)
167Er68 + 12 D* --> 142Ce58 + 49Ti22 + 227.429 MeV [37.795 MeV] (A_Er:970)
167Er68 + 12 D* --> 143Nd60 + 48Ca20 + 222.554 MeV [32.919 MeV] (A_Er:971)
167Er68 + 12 D* --> 145Nd60 + 46Ca20 + 218.904 MeV [29.270 MeV] (A_Er:972)
167Er68 + 12 D* --> 148Nd60 + 43Ca20 + 210.154 MeV [20.520 MeV] (A_Er:973)
167Er68 + 12 D* --> 155Gd64 + 36S16 + 197.073 MeV [7.439 MeV] (A_Er:974)
167Er68 + 12 D* --> 157Gd64 + 34S16 + 195.094 MeV [5.460 MeV] (A_Er:975)
167Er68 + 12 D* --> 158Gd64 + 33S16 + 191.615 MeV [1.981 MeV] (A_Er:976)
167Er68 + 12 D* --> 161Dy66 + 30Si14 + 186.826 MeV [-2.808 MeV] (A_Er:977)
167Er68 + 12 D* --> 162Dy66 + 29Si14 + 184.414 MeV [-5.220 MeV] (A_Er:978)
167Er68 + 12 D* --> 163Dy66 + 28Si14 + 182.211 MeV [-7.423 MeV] (A_Er:979)
167Er68 + 12 D* --> 166Er68 + 25Mg12 + 172.456 MeV [-17.178 MeV] (A_Er:980)
167Er68 + 12 D* --> 167Er68 + 24Mg12 + 171.562 MeV [-18.072 MeV] (A_Er:981)
167Er68 + 12 D* --> 170Yb70 + 21Ne10 + 160.833 MeV [-28.801 MeV] (A_Er:982)
167Er68 + 12 D* --> 171Yb70 + 20Ne10 + 160.686 MeV [-28.948 MeV] (A_Er:983)
167Er68 + 12 D* --> 174Hf72 + 17O8 + 150.987 MeV [-38.647 MeV] (A_Er:984)

168Er68 + D* --> 160Gd64 + 10B5 + 6.037 MeV [-8.104 MeV] (A_Er:985)
168Er68 + D* --> 163Dy66 + 7Li3 + 1.617 MeV [-12.524 MeV] (A_Er:986)
168Er68 + D* --> 164Dy66 + 6Li3 + 2.025 MeV [-12.115 MeV] (A_Er:987)

168Er68 + 2 D* --> 124Sn50 + 48Ca20 + 95.726 MeV [67.139 MeV] (A_Er:988)
168Er68 + 2 D* --> 136Xe54 + 36S16 + 80.364 MeV [51.778 MeV] (A_Er:989)
168Er68 + 2 D* --> 150Nd60 + 22Ne10 + 44.989 MeV [16.403 MeV] (A_Er:990)
168Er68 + 2 D* --> 154Sm62 + 18O8 + 36.518 MeV [7.932 MeV] (A_Er:991)
168Er68 + 2 D* --> 160Gd64 + 12C6 + 31.223 MeV [2.637 MeV] (A_Er:992)
168Er68 + 2 D* --> 163Dy66 + 9Be4 + 18.314 MeV [-10.273 MeV] (A_Er:993)
168Er68 + 2 D* --> 165Ho67 + 7Li3 + 13.271 MeV [-15.315 MeV] (A_Er:994)
168Er68 + 2 D* --> 168Er68 + 4He2 + 23.847 MeV [-4.740 MeV] (A_Er:995)
168Er68 + 2 D* --> 172Yb70 + 22.535 MeV [-6.051 MeV] (A_Er:996)

168Er68 + 3 D* --> 160Gd64 + 14N7 + 41.496 MeV [-1.838 MeV] (A_Er:997)
168Er68 + 3 D* --> 163Dy66 + 11B5 + 34.129 MeV [-9.204 MeV] (A_Er:998)
168Er68 + 3 D* --> 164Dy66 + 10B5 + 30.333 MeV [-13.000 MeV] (A_Er:999)
168Er68 + 3 D* --> 165Ho67 + 9Be4 + 29.967 MeV [-13.366 MeV] (A_Er:1000)
168Er68 + 3 D* --> 167Er68 + 7Li3 + 24.799 MeV [-18.534 MeV] (A_Er:1001)
168Er68 + 3 D* --> 168Er68 + 6Li3 + 25.320 MeV [-18.013 MeV] (A_Er:1002)
168Er68 + 3 D* --> 172Yb70 + 2H1 + 22.535 MeV [-20.798 MeV]

(A_Er:1003)
168Er68 + 3 D* --> 173Yb70 + 1H1 + 26.678 MeV [-16.656 MeV]
(A_Er:1004)

168Er68 + 4 D* --> 128Te52 + 48Ca20 + 122.752 MeV [64.372 MeV]
(A_Er:1005)
168Er68 + 4 D* --> 130Te52 + 46Ca20 + 120.033 MeV [61.652 MeV]
(A_Er:1006)
168Er68 + 4 D* --> 136Xe54 + 40Ar18 + 111.011 MeV [52.631 MeV]
(A_Er:1007)
168Er68 + 4 D* --> 150Nd60 + 26Mg12 + 79.450 MeV [21.070 MeV]
(A_Er:1008)
168Er68 + 4 D* --> 154Sm62 + 22Ne10 + 70.032 MeV [11.652 MeV]
(A_Er:1009)
168Er68 + 4 D* --> 158Gd64 + 18O8 + 61.024 MeV [2.644 MeV]
(A_Er:1010)
168Er68 + 4 D* --> 160Gd64 + 16O8 + 62.232 MeV [3.851 MeV]
(A_Er:1011)
168Er68 + 4 D* --> 163Dy66 + 13C6 + 52.808 MeV [-5.573 MeV]
(A_Er:1012)
168Er68 + 4 D* --> 164Dy66 + 12C6 + 55.519 MeV [-2.861 MeV]
(A_Er:1013)
168Er68 + 4 D* --> 165Ho67 + 11B5 + 45.783 MeV [-12.598 MeV]
(A_Er:1014)
168Er68 + 4 D* --> 167Er68 + 9Be4 + 41.495 MeV [-16.885 MeV]
(A_Er:1015)
168Er68 + 4 D* --> 169Tm69 + 7Li3 + 35.918 MeV [-22.462 MeV]
(A_Er:1016)
168Er68 + 4 D* --> 172Yb70 + 4He2 + 46.382 MeV [-11.999 MeV]
(A_Er:1017)
168Er68 + 4 D* --> 173Yb70 + 3He2 + 32.171 MeV [-26.209 MeV]
(A_Er:1018)
168Er68 + 4 D* --> 175Lu71 + 1H1 + 37.428 MeV [-20.952 MeV]
(A_Er:1019)
168Er68 + 4 D* --> 176Hf72 + 44.124 MeV [-14.257 MeV]
(A_Er:1020)

168Er68 + 5 D* --> 163Dy66 + 15N7 + 68.967 MeV [-4.758 MeV]
(A_Er:1021)
168Er68 + 5 D* --> 164Dy66 + 14N7 + 65.792 MeV [-7.933 MeV]
(A_Er:1022)
168Er68 + 5 D* --> 165Ho67 + 13C6 + 64.461 MeV [-9.264 MeV]
(A_Er:1023)
168Er68 + 5 D* --> 167Er68 + 11B5 + 57.311 MeV [-16.414 MeV]
(A_Er:1024)
168Er68 + 5 D* --> 168Er68 + 10B5 + 53.628 MeV [-20.097 MeV]
(A_Er:1025)
168Er68 + 5 D* --> 169Tm69 + 9Be4 + 52.614 MeV [-21.111 MeV]
(A_Er:1026)
168Er68 + 5 D* --> 171Yb70 + 7Li3 + 47.086 MeV [-26.639 MeV]
(A_Er:1027)
168Er68 + 5 D* --> 172Yb70 + 6Li3 + 47.855 MeV [-25.870 MeV]
(A_Er:1028)
168Er68 + 5 D* --> 175Lu71 + 3He2 + 42.921 MeV [-30.804 MeV]

(A_Er:1029)
168Er68 + 5 D* --> 176Hf72 + 2H1 + 44.124 MeV [-29.601 MeV]
(A_Er:1030)
168Er68 + 5 D* --> 177Hf72 + 1H1 + 48.283 MeV [-25.443 MeV]
(A_Er:1031)

168Er68 + 6 D* --> 130Te52 + 50Ti22 + 154.596 MeV [65.230 MeV]
(A_Er:1032)
168Er68 + 6 D* --> 132Xe54 + 48Ca20 + 149.312 MeV [59.947 MeV]
(A_Er:1033)
168Er68 + 6 D* --> 134Xe54 + 46Ca20 + 147.077 MeV [57.712 MeV]
(A_Er:1034)
168Er68 + 6 D* --> 136Xe54 + 44Ca20 + 143.711 MeV [54.346 MeV]
(A_Er:1035)
168Er68 + 6 D* --> 150Nd60 + 30Si14 + 113.940 MeV [24.575 MeV]
(A_Er:1036)
168Er68 + 6 D* --> 154Sm62 + 26Mg12 + 104.494 MeV [15.128 MeV]
(A_Er:1037)
168Er68 + 6 D* --> 158Gd64 + 22Ne10 + 94.539 MeV [5.174 MeV]
(A_Er:1038)
168Er68 + 6 D* --> 160Gd64 + 20Ne10 + 90.808 MeV [1.443 MeV]
(A_Er:1039)
168Er68 + 6 D* --> 162Dy66 + 18O8 + 84.786 MeV [-4.579 MeV]
(A_Er:1040)
168Er68 + 6 D* --> 163Dy66 + 17O8 + 83.013 MeV [-6.352 MeV]
(A_Er:1041)
168Er68 + 6 D* --> 164Dy66 + 16O8 + 86.528 MeV [-2.837 MeV]
(A_Er:1042)
168Er68 + 6 D* --> 165Ho67 + 15N7 + 80.621 MeV [-8.745 MeV]
(A_Er:1043)
168Er68 + 6 D* --> 167Er68 + 13C6 + 75.989 MeV [-13.376 MeV]
(A_Er:1044)
168Er68 + 6 D* --> 168Er68 + 12C6 + 78.814 MeV [-10.551 MeV]
(A_Er:1045)
168Er68 + 6 D* --> 169Tm69 + 11B5 + 68.430 MeV [-20.936 MeV]
(A_Er:1046)
168Er68 + 6 D* --> 171Yb70 + 9Be4 + 63.782 MeV [-25.583 MeV]
(A_Er:1047)
168Er68 + 6 D* --> 176Hf72 + 4He2 + 67.970 MeV [-21.395 MeV]
(A_Er:1048)
168Er68 + 6 D* --> 177Hf72 + 3He2 + 53.776 MeV [-35.589 MeV]
(A_Er:1049)
168Er68 + 6 D* --> 180W74 + 65.462 MeV [-23.903 MeV]
(A_Er:1050)

168Er68 + 7 D* --> 163Dy66 + 19F9 + 96.827 MeV [-8.472 MeV]
(A_Er:1051)
168Er68 + 7 D* --> 165Ho67 + 17O8 + 94.667 MeV [-10.632 MeV]
(A_Er:1052)
168Er68 + 7 D* --> 167Er68 + 15N7 + 92.149 MeV [-13.151 MeV]
(A_Er:1053)
168Er68 + 7 D* --> 168Er68 + 14N7 + 89.087 MeV [-16.213 MeV]
(A_Er:1054)
168Er68 + 7 D* --> 169Tm69 + 13C6 + 87.108 MeV [-18.191 MeV]

(A_Er:1055)
168Er68 + 7 D* --> 171Yb70 + 11B5 + 79.598 MeV [-25.702 MeV]
(A_Er:1056)
168Er68 + 7 D* --> 172Yb70 + 10B5 + 76.163 MeV [-29.136 MeV]
(A_Er:1057)
168Er68 + 7 D* --> 176Hf72 + 6Li3 + 69.444 MeV [-35.855 MeV]
(A_Er:1058)
168Er68 + 7 D* --> 180W74 + 2H1 + 65.462 MeV [-39.837 MeV]
(A_Er:1059)

168Er68 + 8 D* --> 130Te52 + 54Cr24 + 186.373 MeV [64.848 MeV]
(A_Er:1060)
168Er68 + 8 D* --> 134Xe54 + 50Ti22 + 181.640 MeV [60.116 MeV]
(A_Er:1061)
168Er68 + 8 D* --> 136Xe54 + 48Ti22 + 177.002 MeV [55.477 MeV]
(A_Er:1062)
168Er68 + 8 D* --> 136Ba56 + 48Ca20 + 175.190 MeV [53.665 MeV]
(A_Er:1063)
168Er68 + 8 D* --> 138Ba56 + 46Ca20 + 173.486 MeV [51.961 MeV]
(A_Er:1064)
168Er68 + 8 D* --> 148Nd60 + 36S16 + 150.167 MeV [28.642 MeV]
(A_Er:1065)
168Er68 + 8 D* --> 150Nd60 + 34S16 + 145.710 MeV [24.186 MeV]
(A_Er:1066)
168Er68 + 8 D* --> 154Sm62 + 30Si14 + 138.984 MeV [17.459 MeV]
(A_Er:1067)
168Er68 + 8 D* --> 158Gd64 + 26Mg12 + 129.000 MeV [7.476 MeV]
(A_Er:1068)
168Er68 + 8 D* --> 160Gd64 + 24Mg12 + 123.971 MeV [2.447 MeV]
(A_Er:1069)
168Er68 + 8 D* --> 162Dy66 + 22Ne10 + 118.301 MeV [-3.224 MeV]
(A_Er:1070)
168Er68 + 8 D* --> 163Dy66 + 21Ne10 + 114.207 MeV [-7.317 MeV]
(A_Er:1071)
168Er68 + 8 D* --> 164Dy66 + 20Ne10 + 115.104 MeV [-6.420 MeV]
(A_Er:1072)
168Er68 + 8 D* --> 165Ho67 + 19F9 + 108.481 MeV [-13.044 MeV]
(A_Er:1073)
168Er68 + 8 D* --> 166Er68 + 18O8 + 107.802 MeV [-13.723 MeV]
(A_Er:1074)
168Er68 + 8 D* --> 167Er68 + 17O8 + 106.195 MeV [-15.330 MeV]
(A_Er:1075)
168Er68 + 8 D* --> 168Er68 + 16O8 + 109.823 MeV [-11.702 MeV]
(A_Er:1076)
168Er68 + 8 D* --> 169Tm69 + 15N7 + 103.268 MeV [-18.257 MeV]
(A_Er:1077)
168Er68 + 8 D* --> 171Yb70 + 13C6 + 98.276 MeV [-23.249 MeV]
(A_Er:1078)
168Er68 + 8 D* --> 172Yb70 + 12C6 + 101.349 MeV [-20.175 MeV]
(A_Er:1079)
168Er68 + 8 D* --> 180W74 + 4He2 + 89.309 MeV [-32.216 MeV]
(A_Er:1080)
168Er68 + 8 D* --> 184Os76 + 86.345 MeV [-35.179 MeV]
(A_Er:1081)

168Er68 + 9 D* --> 136Xe54 + 50V23 + 190.871 MeV [52.832 MeV]
(A_Er:1082)
168Er68 + 9 D* --> 138La57 + 48Ca20 + 185.964 MeV [47.924 MeV]
(A_Er:1083)
168Er68 + 9 D* --> 163Dy66 + 23Na11 + 131.141 MeV [-6.899 MeV]
(A_Er:1084)
168Er68 + 9 D* --> 165Ho67 + 21Ne10 + 125.861 MeV [-12.179 MeV]
(A_Er:1085)
168Er68 + 9 D* --> 167Er68 + 19F9 + 120.009 MeV [-18.031 MeV]
(A_Er:1086)
168Er68 + 9 D* --> 169Tm69 + 17O8 + 117.314 MeV [-20.726 MeV]
(A_Er:1087)
168Er68 + 9 D* --> 171Yb70 + 15N7 + 114.435 MeV [-23.604 MeV]
(A_Er:1088)
168Er68 + 9 D* --> 172Yb70 + 14N7 + 111.622 MeV [-26.418 MeV]
(A_Er:1089)
168Er68 + 9 D* --> 176Hf72 + 10B5 + 97.752 MeV [-40.288 MeV]
(A_Er:1090)
168Er68 + 9 D* --> 180W74 + 6Li3 + 90.782 MeV [-47.257 MeV]
(A_Er:1091)
168Er68 + 9 D* --> 184Os76 + 2H1 + 86.345 MeV [-51.695 MeV]
(A_Er:1092)

168Er68 + 10 D* --> 124Sn50 + 64Ni28 + 223.697 MeV [68.854 MeV]
(A_Er:1093)
168Er68 + 10 D* --> 130Te52 + 58Fe26 + 217.865 MeV [63.023 MeV]
(A_Er:1094)
168Er68 + 10 D* --> 134Xe54 + 54Cr24 + 213.418 MeV [58.575 MeV]
(A_Er:1095)
168Er68 + 10 D* --> 136Xe54 + 52Cr24 + 210.203 MeV [55.360 MeV]
(A_Er:1096)
168Er68 + 10 D* --> 138Ba56 + 50Ti22 + 208.049 MeV [53.206 MeV]
(A_Er:1097)
168Er68 + 10 D* --> 140Ce58 + 48Ca20 + 200.658 MeV [45.815 MeV]
(A_Er:1098)
168Er68 + 10 D* --> 142Ce58 + 46Ca20 + 196.034 MeV [41.191 MeV]
(A_Er:1099)
168Er68 + 10 D* --> 148Nd60 + 40Ar18 + 180.814 MeV [25.971 MeV]
(A_Er:1100)
168Er68 + 10 D* --> 150Nd60 + 38Ar18 + 176.765 MeV [21.922 MeV]
(A_Er:1101)
168Er68 + 10 D* --> 152Sm62 + 36S16 + 173.793 MeV [18.951 MeV]
(A_Er:1102)
168Er68 + 10 D* --> 154Sm62 + 34S16 + 170.754 MeV [15.911 MeV]
(A_Er:1103)
168Er68 + 10 D* --> 158Gd64 + 30Si14 + 163.490 MeV [8.648 MeV]
(A_Er:1104)
168Er68 + 10 D* --> 160Gd64 + 28Si14 + 157.802 MeV [2.959 MeV]
(A_Er:1105)
168Er68 + 10 D* --> 162Dy66 + 26Mg12 + 152.762 MeV [-2.081 MeV]
(A_Er:1106)
168Er68 + 10 D* --> 163Dy66 + 25Mg12 + 147.940 MeV [-6.903 MeV]
(A_Er:1107)

168Er68 + 10 D* --> 164Dy66 + 24Mg12 + 148.267 MeV [-6.575 MeV]
(A_Er:1108)
168Er68 + 10 D* --> 165Ho67 + 23Na11 + 142.795 MeV [-12.048 MeV]
(A_Er:1109)
168Er68 + 10 D* --> 166Er68 + 22Ne10 + 141.317 MeV [-13.526 MeV]
(A_Er:1110)
168Er68 + 10 D* --> 167Er68 + 21Ne10 + 137.389 MeV [-17.454 MeV]
(A_Er:1111)
168Er68 + 10 D* --> 168Er68 + 20Ne10 + 138.399 MeV [-16.443 MeV]
(A_Er:1112)
168Er68 + 10 D* --> 169Tm69 + 19F9 + 131.128 MeV [-23.715 MeV]
(A_Er:1113)
168Er68 + 10 D* --> 170Yb70 + 18O8 + 129.911 MeV [-24.932 MeV]
(A_Er:1114)
168Er68 + 10 D* --> 171Yb70 + 17O8 + 128.481 MeV [-26.361 MeV]
(A_Er:1115)
168Er68 + 10 D* --> 172Yb70 + 16O8 + 132.358 MeV [-22.485 MeV]
(A_Er:1116)
168Er68 + 10 D* --> 176Hf72 + 12C6 + 122.938 MeV [-31.905 MeV]
(A_Er:1117)
168Er68 + 10 D* --> 184Os76 + 4He2 + 110.192 MeV [-44.651 MeV]
(A_Er:1118)

168Er68 + 11 D* --> 150Nd60 + 40K19 + 188.721 MeV [16.790 MeV]
(A_Er:1119)
168Er68 + 11 D* --> 163Dy66 + 27Al13 + 165.079 MeV [-6.852 MeV]
(A_Er:1120)
168Er68 + 11 D* --> 165Ho67 + 25Mg12 + 159.594 MeV [-12.338 MeV]
(A_Er:1121)
168Er68 + 11 D* --> 167Er68 + 23Na11 + 154.323 MeV [-17.609 MeV]
(A_Er:1122)
168Er68 + 11 D* --> 169Tm69 + 21Ne10 + 148.508 MeV [-23.423 MeV]
(A_Er:1123)
168Er68 + 11 D* --> 171Yb70 + 19F9 + 142.296 MeV [-29.636 MeV]
(A_Er:1124)
168Er68 + 11 D* --> 176Hf72 + 14N7 + 133.210 MeV [-38.721 MeV]
(A_Er:1125)
168Er68 + 11 D* --> 180W74 + 10B5 + 119.090 MeV [-52.841 MeV]
(A_Er:1126)
168Er68 + 11 D* --> 184Os76 + 6Li3 + 111.666 MeV [-60.266 MeV]
(A_Er:1127)

168Er68 + 12 D* --> 96Zr40 + 96Zr40 + 265.518 MeV [76.213 MeV]
(A_Er:1128)
168Er68 + 12 D* --> 110Pd46 + 82Se34 + 260.575 MeV [71.271 MeV]
(A_Er:1129)
168Er68 + 12 D* --> 116Cd48 + 76Ge32 + 256.564 MeV [67.260 MeV]
(A_Er:1130)
168Er68 + 12 D* --> 122Sn50 + 70Zn30 + 254.143 MeV [64.838 MeV]
(A_Er:1131)
168Er68 + 12 D* --> 124Sn50 + 68Zn30 + 252.876 MeV [63.572 MeV]
(A_Er:1132)
168Er68 + 12 D* --> 128Te52 + 64Ni28 + 250.723 MeV [61.419 MeV]
(A_Er:1133)

168Er68 + 12 D* --> 130Te52 + 62Ni28 + 248.729 MeV [59.425 MeV]
(A_Er:1134)
168Er68 + 12 D* --> 134Xe54 + 58Fe26 + 244.910 MeV [55.606 MeV]
(A_Er:1135)
168Er68 + 12 D* --> 136Xe54 + 56Fe26 + 241.662 MeV [52.358 MeV]
(A_Er:1136)
168Er68 + 12 D* --> 138Ba56 + 54Cr24 + 239.826 MeV [50.522 MeV]
(A_Er:1137)
168Er68 + 12 D* --> 142Ce58 + 50Ti22 + 230.597 MeV [41.293 MeV]
(A_Er:1138)
168Er68 + 12 D* --> 144Nd60 + 48Ca20 + 222.599 MeV [33.295 MeV]
(A_Er:1139)
168Er68 + 12 D* --> 146Nd60 + 46Ca20 + 218.698 MeV [29.394 MeV]
(A_Er:1140)
168Er68 + 12 D* --> 148Nd60 + 44Ca20 + 213.514 MeV [24.210 MeV]
(A_Er:1141)
168Er68 + 12 D* --> 150Nd60 + 42Ca20 + 206.869 MeV [17.564 MeV]
(A_Er:1142)
168Er68 + 12 D* --> 152Sm62 + 40Ar18 + 204.441 MeV [15.136 MeV]
(A_Er:1143)
168Er68 + 12 D* --> 154Sm62 + 38Ar18 + 201.808 MeV [12.504 MeV]
(A_Er:1144)
168Er68 + 12 D* --> 156Gd64 + 36S16 + 197.838 MeV [8.534 MeV]
(A_Er:1145)
168Er68 + 12 D* --> 158Gd64 + 34S16 + 195.260 MeV [5.956 MeV]
(A_Er:1146)
168Er68 + 12 D* --> 160Gd64 + 32S16 + 188.596 MeV [-0.708 MeV]
(A_Er:1147)
168Er68 + 12 D* --> 162Dy66 + 30Si14 + 187.252 MeV [-2.053 MeV]
(A_Er:1148)
168Er68 + 12 D* --> 163Dy66 + 29Si14 + 182.913 MeV [-6.391 MeV]
(A_Er:1149)
168Er68 + 12 D* --> 164Dy66 + 28Si14 + 182.098 MeV [-7.206 MeV]
(A_Er:1150)
168Er68 + 12 D* --> 165Ho67 + 27Al13 + 176.733 MeV [-12.571 MeV]
(A_Er:1151)
168Er68 + 12 D* --> 166Er68 + 26Mg12 + 175.778 MeV [-13.526 MeV]
(A_Er:1152)
168Er68 + 12 D* --> 167Er68 + 25Mg12 + 171.121 MeV [-18.183 MeV]
(A_Er:1153)
168Er68 + 12 D* --> 168Er68 + 24Mg12 + 171.562 MeV [-17.742 MeV]
(A_Er:1154)
168Er68 + 12 D* --> 169Tm69 + 23Na11 + 165.442 MeV [-23.863 MeV]
(A_Er:1155)
168Er68 + 12 D* --> 170Yb70 + 22Ne10 + 163.426 MeV [-25.879 MeV]
(A_Er:1156)
168Er68 + 12 D* --> 171Yb70 + 21Ne10 + 159.676 MeV [-29.628 MeV]
(A_Er:1157)
168Er68 + 12 D* --> 172Yb70 + 20Ne10 + 160.934 MeV [-28.370 MeV]
(A_Er:1158)
168Er68 + 12 D* --> 174Hf72 + 18O8 + 151.260 MeV [-38.044 MeV]
(A_Er:1159)
168Er68 + 12 D* --> 176Hf72 + 16O8 + 153.946 MeV [-35.358 MeV]
(A_Er:1160)

168Er68 + 12 D* --> 180W74 + 12C6 + 144.276 MeV [-45.028 MeV]
(A_Er:1161)

170Er68 + 2 D* --> 170Er68 + 4He2 + 23.847 MeV [-4.630 MeV]
(A_Er:1162)
170Er68 + 2 D* --> 174Yb70 + 23.106 MeV [-5.370 MeV]
(A_Er:1163)

170Er68 + 3 D* --> 170Er68 + 6Li3 + 25.320 MeV [-17.848 MeV]
(A_Er:1164)
170Er68 + 3 D* --> 174Yb70 + 2H1 + 23.106 MeV [-20.062 MeV]
(A_Er:1165)
170Er68 + 3 D* --> 176Lu71 + 32.680 MeV [-10.489 MeV]
(A_Er:1166)

170Er68 + 4 D* --> 130Te52 + 48Ca20 + 123.994 MeV [65.833 MeV]
(A_Er:1167)
170Er68 + 4 D* --> 160Gd64 + 18O8 + 61.158 MeV [2.998 MeV]
(A_Er:1168)
170Er68 + 4 D* --> 174Yb70 + 4He2 + 46.953 MeV [-11.208 MeV]
(A_Er:1169)
170Er68 + 4 D* --> 176Lu71 + 2H1 + 32.680 MeV [-25.481 MeV]
(A_Er:1170)
170Er68 + 4 D* --> 178Hf72 + 44.873 MeV [-13.288 MeV]
(A_Er:1171)

170Er68 + 5 D* --> 170Er68 + 10B5 + 53.628 MeV [-19.823 MeV]
(A_Er:1172)
170Er68 + 5 D* --> 173Yb70 + 7Li3 + 48.212 MeV [-25.239 MeV]
(A_Er:1173)
170Er68 + 5 D* --> 174Yb70 + 6Li3 + 48.427 MeV [-25.024 MeV]
(A_Er:1174)
170Er68 + 5 D* --> 176Lu71 + 4He2 + 56.526 MeV [-16.925 MeV]
(A_Er:1175)
170Er68 + 5 D* --> 178Hf72 + 2H1 + 44.873 MeV [-28.578 MeV]
(A_Er:1176)
170Er68 + 5 D* --> 179Hf72 + 1H1 + 48.747 MeV [-24.704 MeV]
(A_Er:1177)
170Er68 + 5 D* --> 180Ta73 + 54.500 MeV [-18.951 MeV]
(A_Er:1178)

170Er68 + 6 D* --> 134Xe54 + 48Ca20 + 151.038 MeV [62.002 MeV]
(A_Er:1179)
170Er68 + 6 D* --> 136Xe54 + 46Ca20 + 148.260 MeV [59.223 MeV]
(A_Er:1180)
170Er68 + 6 D* --> 160Gd64 + 22Ne10 + 94.673 MeV [5.636 MeV]
(A_Er:1181)
170Er68 + 6 D* --> 164Dy66 + 18O8 + 85.455 MeV [-3.582 MeV]
(A_Er:1182)
170Er68 + 6 D* --> 170Er68 + 12C6 + 78.814 MeV [-10.222 MeV]
(A_Er:1183)
170Er68 + 6 D* --> 173Yb70 + 9Be4 + 64.908 MeV [-24.128 MeV]
(A_Er:1184)

170Er68 + 6 D* --> 175Lu71 + 7Li3 + 58.962 MeV [-30.075 MeV]
(A_Er:1185)
170Er68 + 6 D* --> 176Lu71 + 6Li3 + 58.000 MeV [-31.036 MeV]
(A_Er:1186)
170Er68 + 6 D* --> 178Hf72 + 4He2 + 68.719 MeV [-20.318 MeV]
(A_Er:1187)
170Er68 + 6 D* --> 179Hf72 + 3He2 + 54.240 MeV [-34.796 MeV]
(A_Er:1188)
170Er68 + 6 D* --> 180Ta73 + 2H1 + 54.500 MeV [-34.537 MeV]
(A_Er:1189)
170Er68 + 6 D* --> 181Ta73 + 1H1 + 59.852 MeV [-29.184 MeV]
(A_Er:1190)
170Er68 + 6 D* --> 182W74 + 66.947 MeV [-22.090 MeV]
(A_Er:1191)

170Er68 + 7 D* --> 170Er68 + 14N7 + 89.087 MeV [-15.830 MeV]
(A_Er:1192)
170Er68 + 7 D* --> 173Yb70 + 11B5 + 80.724 MeV [-24.193 MeV]
(A_Er:1193)
170Er68 + 7 D* --> 174Yb70 + 10B5 + 76.734 MeV [-28.182 MeV]
(A_Er:1194)
170Er68 + 7 D* --> 175Lu71 + 9Be4 + 75.658 MeV [-29.258 MeV]
(A_Er:1195)
170Er68 + 7 D* --> 177Hf72 + 7Li3 + 69.817 MeV [-35.099 MeV]
(A_Er:1196)
170Er68 + 7 D* --> 178Hf72 + 6Li3 + 70.193 MeV [-34.723 MeV]
(A_Er:1197)
170Er68 + 7 D* --> 180Ta73 + 4He2 + 78.347 MeV [-26.570 MeV]
(A_Er:1198)
170Er68 + 7 D* --> 181Ta73 + 3He2 + 65.346 MeV [-39.570 MeV]
(A_Er:1199)
170Er68 + 7 D* --> 182W74 + 2H1 + 66.947 MeV [-37.969 MeV]
(A_Er:1200)
170Er68 + 7 D* --> 183W74 + 1H1 + 70.913 MeV [-34.003 MeV]
(A_Er:1201)

170Er68 + 8 D* --> 136Xe54 + 50Ti22 + 182.823 MeV [61.735 MeV]
(A_Er:1202)
170Er68 + 8 D* --> 138Ba56 + 48Ca20 + 177.447 MeV [56.359 MeV]
(A_Er:1203)
170Er68 + 8 D* --> 150Nd60 + 36S16 + 149.325 MeV [28.237 MeV]
(A_Er:1204)
170Er68 + 8 D* --> 160Gd64 + 26Mg12 + 129.134 MeV [8.047 MeV]
(A_Er:1205)
170Er68 + 8 D* --> 164Dy66 + 22Ne10 + 118.969 MeV [-2.118 MeV]
(A_Er:1206)
170Er68 + 8 D* --> 168Er68 + 18O8 + 108.749 MeV [-12.338 MeV]
(A_Er:1207)
170Er68 + 8 D* --> 170Er68 + 16O8 + 109.823 MeV [-11.265 MeV]
(A_Er:1208)
170Er68 + 8 D* --> 173Yb70 + 13C6 + 99.402 MeV [-21.685 MeV]
(A_Er:1209)
170Er68 + 8 D* --> 174Yb70 + 12C6 + 101.921 MeV [-19.167 MeV]
(A_Er:1210)

170Er68 + 8 D* --> 175Lu71 + 11B5 + 91.474 MeV [-29.614 MeV]
(A_Er:1211)
170Er68 + 8 D* --> 176Lu71 + 10B5 + 86.308 MeV [-34.780 MeV]
(A_Er:1212)
170Er68 + 8 D* --> 177Hf72 + 9Be4 + 86.513 MeV [-34.574 MeV]
(A_Er:1213)
170Er68 + 8 D* --> 180Ta73 + 6Li3 + 79.821 MeV [-41.267 MeV]
(A_Er:1214)
170Er68 + 8 D* --> 182W74 + 4He2 + 90.794 MeV [-30.294 MeV]
(A_Er:1215)
170Er68 + 8 D* --> 183W74 + 3He2 + 76.407 MeV [-44.681 MeV]
(A_Er:1216)
170Er68 + 8 D* --> 185Re75 + 1H1 + 81.504 MeV [-39.583 MeV]
(A_Er:1217)
170Er68 + 8 D* --> 186Os76 + 87.971 MeV [-33.117 MeV]
(A_Er:1218)

170Er68 + 9 D* --> 173Yb70 + 15N7 + 115.562 MeV [-21.987 MeV]
(A_Er:1219)
170Er68 + 9 D* --> 174Yb70 + 14N7 + 112.193 MeV [-25.355 MeV]
(A_Er:1220)
170Er68 + 9 D* --> 175Lu71 + 13C6 + 110.153 MeV [-27.396 MeV]
(A_Er:1221)
170Er68 + 9 D* --> 176Lu71 + 12C6 + 111.494 MeV [-26.054 MeV]
(A_Er:1222)
170Er68 + 9 D* --> 177Hf72 + 11B5 + 102.329 MeV [-35.220 MeV]
(A_Er:1223)
170Er68 + 9 D* --> 178Hf72 + 10B5 + 98.500 MeV [-39.048 MeV]
(A_Er:1224)
170Er68 + 9 D* --> 182W74 + 6Li3 + 92.268 MeV [-45.281 MeV]
(A_Er:1225)
170Er68 + 9 D* --> 185Re75 + 3He2 + 86.998 MeV [-50.551 MeV]
(A_Er:1226)
170Er68 + 9 D* --> 186Os76 + 2H1 + 87.971 MeV [-49.578 MeV]
(A_Er:1227)
170Er68 + 9 D* --> 187Os76 + 1H1 + 92.036 MeV [-45.512 MeV]
(A_Er:1228)

170Er68 + 10 D* --> 136Xe54 + 54Cr24 + 214.600 MeV [60.303 MeV]
(A_Er:1229)
170Er68 + 10 D* --> 142Ce58 + 48Ca20 + 199.995 MeV [45.698 MeV]
(A_Er:1230)
170Er68 + 10 D* --> 150Nd60 + 40Ar18 + 179.972 MeV [25.675 MeV]
(A_Er:1231)
170Er68 + 10 D* --> 154Sm62 + 36S16 + 174.368 MeV [20.071 MeV]
(A_Er:1232)
170Er68 + 10 D* --> 160Gd64 + 30Si14 + 163.624 MeV [9.327 MeV]
(A_Er:1233)
170Er68 + 10 D* --> 164Dy66 + 26Mg12 + 153.430 MeV [-0.867 MeV]
(A_Er:1234)
170Er68 + 10 D* --> 168Er68 + 22Ne10 + 142.264 MeV [-12.033 MeV]
(A_Er:1235)
170Er68 + 10 D* --> 170Er68 + 20Ne10 + 138.399 MeV [-15.898 MeV]
(A_Er:1236)

170Er68 + 10 D* --> 172Yb70 + 18O8 + 131.284 MeV [-23.013 MeV]
(A_Er:1237)
170Er68 + 10 D* --> 173Yb70 + 17O8 + 129.608 MeV [-24.690 MeV]
(A_Er:1238)
170Er68 + 10 D* --> 174Yb70 + 16O8 + 132.929 MeV [-21.368 MeV]
(A_Er:1239)
170Er68 + 10 D* --> 175Lu71 + 15N7 + 126.312 MeV [-27.986 MeV]
(A_Er:1240)
170Er68 + 10 D* --> 176Lu71 + 14N7 + 121.767 MeV [-32.531 MeV]
(A_Er:1241)
170Er68 + 10 D* --> 177Hf72 + 13C6 + 121.007 MeV [-33.290 MeV]
(A_Er:1242)
170Er68 + 10 D* --> 178Hf72 + 12C6 + 123.687 MeV [-30.611 MeV]
(A_Er:1243)
170Er68 + 10 D* --> 180Ta73 + 10B5 + 108.128 MeV [-46.169 MeV]
(A_Er:1244)
170Er68 + 10 D* --> 186Os76 + 4He2 + 111.817 MeV [-42.480 MeV]
(A_Er:1245)
170Er68 + 10 D* --> 187Os76 + 3He2 + 97.530 MeV [-56.768 MeV]
(A_Er:1246)
170Er68 + 10 D* --> 190Pt78 + 108.566 MeV [-45.731 MeV]
(A_Er:1247)

170Er68 + 11 D* --> 173Yb70 + 19F9 + 143.422 MeV [-27.910 MeV]
(A_Er:1248)
170Er68 + 11 D* --> 175Lu71 + 17O8 + 140.358 MeV [-30.975 MeV]
(A_Er:1249)
170Er68 + 11 D* --> 176Lu71 + 16O8 + 142.503 MeV [-28.830 MeV]
(A_Er:1250)
170Er68 + 11 D* --> 177Hf72 + 15N7 + 137.167 MeV [-34.166 MeV]
(A_Er:1251)
170Er68 + 11 D* --> 178Hf72 + 14N7 + 133.959 MeV [-37.373 MeV]
(A_Er:1252)
170Er68 + 11 D* --> 180Ta73 + 12C6 + 133.315 MeV [-38.018 MeV]
(A_Er:1253)
170Er68 + 11 D* --> 182W74 + 10B5 + 120.575 MeV [-50.757 MeV]
(A_Er:1254)
170Er68 + 11 D* --> 186Os76 + 6Li3 + 113.291 MeV [-58.041 MeV]
(A_Er:1255)
170Er68 + 11 D* --> 190Pt78 + 2H1 + 108.566 MeV [-62.766 MeV]
(A_Er:1256)

170Er68 + 12 D* --> 124Sn50 + 70Zn30 + 255.315 MeV [66.664 MeV]
(A_Er:1257)
170Er68 + 12 D* --> 130Te52 + 64Ni28 + 251.965 MeV [63.313 MeV]
(A_Er:1258)
170Er68 + 12 D* --> 136Xe54 + 58Fe26 + 246.093 MeV [57.441 MeV]
(A_Er:1259)
170Er68 + 12 D* --> 146Nd60 + 48Ca20 + 222.659 MeV [34.008 MeV]
(A_Er:1260)
170Er68 + 12 D* --> 148Nd60 + 46Ca20 + 218.063 MeV [29.411 MeV]
(A_Er:1261)
170Er68 + 12 D* --> 150Nd60 + 44Ca20 + 212.672 MeV [24.021 MeV]
(A_Er:1262)

170Er68 + 12 D* --> 154Sm62 + 40Ar18 + 205.016 MeV [16.364 MeV]
(A_Er:1263)
170Er68 + 12 D* --> 158Gd64 + 36S16 + 198.875 MeV [10.223 MeV]
(A_Er:1264)
170Er68 + 12 D* --> 160Gd64 + 34S16 + 195.394 MeV [6.743 MeV]
(A_Er:1265)
170Er68 + 12 D* --> 164Dy66 + 30Si14 + 187.920 MeV [-0.731 MeV]
(A_Er:1266)
170Er68 + 12 D* --> 168Er68 + 26Mg12 + 176.725 MeV [-11.926 MeV]
(A_Er:1267)
170Er68 + 12 D* --> 170Er68 + 24Mg12 + 171.562 MeV [-17.089 MeV]
(A_Er:1268)
170Er68 + 12 D* --> 172Yb70 + 22Ne10 + 164.799 MeV [-23.852 MeV]
(A_Er:1269)
170Er68 + 12 D* --> 173Yb70 + 21Ne10 + 160.802 MeV [-27.849 MeV]
(A_Er:1270)
170Er68 + 12 D* --> 174Yb70 + 20Ne10 + 161.506 MeV [-27.146 MeV]
(A_Er:1271)
170Er68 + 12 D* --> 175Lu71 + 19F9 + 154.172 MeV [-34.479 MeV]
(A_Er:1272)
170Er68 + 12 D* --> 176Hf72 + 18O8 + 152.873 MeV [-35.778 MeV]
(A_Er:1273)
170Er68 + 12 D* --> 177Hf72 + 17O8 + 151.212 MeV [-37.439 MeV]
(A_Er:1274)
170Er68 + 12 D* --> 178Hf72 + 16O8 + 154.695 MeV [-33.956 MeV]
(A_Er:1275)
170Er68 + 12 D* --> 180Ta73 + 14N7 + 143.587 MeV [-45.065 MeV]
(A_Er:1276)
170Er68 + 12 D* --> 182W74 + 12C6 + 145.762 MeV [-42.890 MeV]
(A_Er:1277)
170Er68 + 12 D* --> 190Pt78 + 4He2 + 132.413 MeV [-56.239 MeV]
(A_Er:1278)

---------- Equations follow for Thulium, Tm, element 69 ----------

169Tm69 + D* --> 150Nd60 + 21Ne10 + 31.277 MeV [16.956 MeV] (A_Tm:1)
169Tm69 + D* --> 154Sm62 + 17O8 + 25.126 MeV [10.805 MeV] (A_Tm:2)
169Tm69 + D* --> 158Gd64 + 13C6 + 19.427 MeV [5.107 MeV] (A_Tm:3)
169Tm69 + D* --> 162Dy66 + 9Be4 + 8.695 MeV [-5.626 MeV] (A_Tm:4)
169Tm69 + D* --> 165Ho67 + 6Li3 + 2.674 MeV [-11.647 MeV] (A_Tm:5)
169Tm69 + D* --> 167Er68 + 4He2 + 12.728 MeV [-1.593 MeV] (A_Tm:6)
169Tm69 + D* --> 171Yb70 + 11.168 MeV [-3.153 MeV] (A_Tm:7)

169Tm69 + 2 D* --> 136Xe54 + 37Cl17 + 83.178 MeV [54.234 MeV] (A_Tm:8)
169Tm69 + 2 D* --> 150Nd60 + 23Na11 + 48.211 MeV [19.267 MeV] (A_Tm:9)
169Tm69 + 2 D* --> 154Sm62 + 19F9 + 38.940 MeV [9.996 MeV] (A_Tm:10)
169Tm69 + 2 D* --> 158Gd64 + 15N7 + 35.587 MeV [6.642 MeV] (A_Tm:11)
169Tm69 + 2 D* --> 162Dy66 + 11B5 + 24.510 MeV [-4.434 MeV] (A_Tm:12)
169Tm69 + 2 D* --> 163Dy66 + 10B5 + 19.327 MeV [-9.617 MeV] (A_Tm:13)
169Tm69 + 2 D* --> 166Er68 + 7Li3 + 15.015 MeV [-13.930 MeV] (A_Tm:14)
169Tm69 + 2 D* --> 167Er68 + 6Li3 + 14.201 MeV [-14.743 MeV] (A_Tm:15)
169Tm69 + 2 D* --> 169Tm69 + 4He2 + 23.847 MeV [-5.098 MeV] (A_Tm:16)
169Tm69 + 2 D* --> 171Yb70 + 2H1 + 11.168 MeV [-17.777 MeV] (A_Tm:17)
169Tm69 + 2 D* --> 172Yb70 + 1H1 + 16.963 MeV [-11.982 MeV] (A_Tm:18)

169Tm69 + 3 D* --> 150Nd60 + 25Mg12 + 65.010 MeV [21.141 MeV] (A_Tm:19)
169Tm69 + 3 D* --> 154Sm62 + 21Ne10 + 56.321 MeV [12.452 MeV] (A_Tm:20)
169Tm69 + 3 D* --> 157Gd64 + 18O8 + 49.739 MeV [5.871 MeV] (A_Tm:21)
169Tm69 + 3 D* --> 158Gd64 + 17O8 + 49.633 MeV [5.764 MeV] (A_Tm:22)
169Tm69 + 3 D* --> 162Dy66 + 13C6 + 43.189 MeV [-0.679 MeV] (A_Tm:23)
169Tm69 + 3 D* --> 163Dy66 + 12C6 + 44.514 MeV [00.645 MeV] (A_Tm:24)
169Tm69 + 3 D* --> 165Ho67 + 10B5 + 30.981 MeV [-12.887 MeV] (A_Tm:25)
169Tm69 + 3 D* --> 166Er68 + 9Be4 + 31.711 MeV [-12.157 MeV] (A_Tm:26)
169Tm69 + 3 D* --> 169Tm69 + 6Li3 + 25.320 MeV [-18.548 MeV] (A_Tm:27)
169Tm69 + 3 D* --> 171Yb70 + 4He2 + 35.014 MeV [-8.854 MeV] (A_Tm:28)
169Tm69 + 3 D* --> 172Yb70 + 3He2 + 22.456 MeV [-21.412 MeV] (A_Tm:29)

169Tm69 + 4 D* --> 136Xe54 + 41K19 + 113.247 MeV [54.156 MeV] (A_Tm:30)
169Tm69 + 4 D* --> 150Nd60 + 27Al13 + 82.149 MeV [23.058 MeV] (A_Tm:31)
169Tm69 + 4 D* --> 154Sm62 + 23Na11 + 73.254 MeV [14.163 MeV] (A_Tm:32)
169Tm69 + 4 D* --> 158Gd64 + 19F9 + 63.447 MeV [4.356 MeV] (A_Tm:33)
169Tm69 + 4 D* --> 159Tb65 + 18O8 + 61.583 MeV [2.493 MeV] (A_Tm:34)
169Tm69 + 4 D* --> 162Dy66 + 15N7 + 59.348 MeV [00.257 MeV] (A_Tm:35)
169Tm69 + 4 D* --> 163Dy66 + 14N7 + 54.786 MeV [-4.305 MeV] (A_Tm:36)
169Tm69 + 4 D* --> 165Ho67 + 12C6 + 56.167 MeV [-2.923 MeV] (A_Tm:37)
169Tm69 + 4 D* --> 166Er68 + 11B5 + 47.527 MeV [-11.564 MeV] (A_Tm:38)
169Tm69 + 4 D* --> 167Er68 + 10B5 + 42.509 MeV [-16.582 MeV] (A_Tm:39)
169Tm69 + 4 D* --> 170Yb70 + 7Li3 + 37.124 MeV [-21.967 MeV] (A_Tm:40)
169Tm69 + 4 D* --> 171Yb70 + 6Li3 + 36.488 MeV [-22.603 MeV] (A_Tm:41)
169Tm69 + 4 D* --> 176Hf72 + 1H1 + 38.551 MeV [-20.539 MeV] (A_Tm:42)

169Tm69 + 5 D* --> 130Te52 + 49Ti22 + 140.309 MeV [65.699 MeV] (A_Tm:43)
169Tm69 + 5 D* --> 131Xe54 + 48Ca20 + 137.028 MeV [62.418 MeV] (A_Tm:44)
169Tm69 + 5 D* --> 136Xe54 + 43Ca20 + 129.232 MeV [54.623 MeV] (A_Tm:45)
169Tm69 + 5 D* --> 150Nd60 + 29Si14 + 99.983 MeV [25.374 MeV] (A_Tm:46)
169Tm69 + 5 D* --> 154Sm62 + 25Mg12 + 90.053 MeV [15.444 MeV] (A_Tm:47)
169Tm69 + 5 D* --> 157Gd64 + 22Ne10 + 83.254 MeV [8.645 MeV] (A_Tm:48)
169Tm69 + 5 D* --> 158Gd64 + 21Ne10 + 80.827 MeV [6.218 MeV] (A_Tm:49)
169Tm69 + 5 D* --> 161Dy66 + 18O8 + 73.241 MeV [-1.368 MeV] (A_Tm:50)
169Tm69 + 5 D* --> 162Dy66 + 17O8 + 73.394 MeV [-1.215 MeV] (A_Tm:51)
169Tm69 + 5 D* --> 163Dy66 + 16O8 + 75.522 MeV [00.913 MeV] (A_Tm:52)
169Tm69 + 5 D* --> 165Ho67 + 14N7 + 66.440 MeV [-8.170 MeV] (A_Tm:53)
169Tm69 + 5 D* --> 166Er68 + 13C6 + 66.205 MeV [-8.404 MeV] (A_Tm:54)
169Tm69 + 5 D* --> 167Er68 + 12C6 + 67.695 MeV [-6.914 MeV] (A_Tm:55)
169Tm69 + 5 D* --> 169Tm69 + 10B5 + 53.628 MeV [-20.982 MeV] (A_Tm:56)
169Tm69 + 5 D* --> 170Yb70 + 9Be4 + 53.820 MeV [-20.790 MeV] (A_Tm:57)
169Tm69 + 5 D* --> 176Hf72 + 3He2 + 44.045 MeV [-30.565 MeV] (A_Tm:58)

169Tm69 + 6 D* --> 130Te52 + 51V23 + 157.087 MeV [66.665 MeV] (A_Tm:59)
169Tm69 + 6 D* --> 136Xe54 + 45Sc21 + 145.027 MeV [54.605 MeV] (A_Tm:60)
169Tm69 + 6 D* --> 133Cs55 + 48Ca20 + 149.819 MeV [59.397 MeV] (A_Tm:61)
169Tm69 + 6 D* --> 150Nd60 + 31P15 + 115.665 MeV [25.243 MeV] (A_Tm:62)
169Tm69 + 6 D* --> 154Sm62 + 27Al13 + 107.193 MeV [16.770 MeV] (A_Tm:63)
169Tm69 + 6 D* --> 158Gd64 + 23Na11 + 97.761 MeV [7.339 MeV] (A_Tm:64)
169Tm69 + 6 D* --> 159Tb65 + 22Ne10 + 95.098 MeV [4.676 MeV] (A_Tm:65)
169Tm69 + 6 D* --> 162Dy66 + 19F9 + 87.209 MeV [-3.214 MeV] (A_Tm:66)
169Tm69 + 6 D* --> 165Ho67 + 16O8 + 87.176 MeV [-3.246 MeV] (A_Tm:67)
169Tm69 + 6 D* --> 166Er68 + 15N7 + 82.365 MeV [-8.058 MeV] (A_Tm:68)

169Tm69 + 6 D* --> 167Er68 + 14N7 + 77.968 MeV [-12.455 MeV] (A_Tm:69)
169Tm69 + 6 D* --> 169Tm69 + 12C6 + 78.814 MeV [-11.608 MeV] (A_Tm:70)
169Tm69 + 6 D* --> 170Yb70 + 11B5 + 69.635 MeV [-20.787 MeV] (A_Tm:71)
169Tm69 + 6 D* --> 171Yb70 + 10B5 + 64.796 MeV [-25.627 MeV] (A_Tm:72)
169Tm69 + 6 D* --> 174Hf72 + 7Li3 + 58.473 MeV [-31.950 MeV] (A_Tm:73)
169Tm69 + 6 D* --> 180W74 + 1H1 + 59.890 MeV [-30.533 MeV] (A_Tm:74)

169Tm69 + 7 D* --> 130Te52 + 53Cr24 + 173.306 MeV [66.779 MeV] (A_Tm:75)
169Tm69 + 7 D* --> 134Xe54 + 49Ti22 + 167.353 MeV [60.826 MeV] (A_Tm:76)
169Tm69 + 7 D* --> 136Xe54 + 47Ti22 + 162.028 MeV [55.500 MeV] (A_Tm:77)
169Tm69 + 7 D* --> 135Ba56 + 48Ca20 + 162.735 MeV [56.207 MeV] (A_Tm:78)
169Tm69 + 7 D* --> 137Ba56 + 46Ca20 + 161.526 MeV [54.999 MeV] (A_Tm:79)
169Tm69 + 7 D* --> 150Nd60 + 33S16 + 130.946 MeV [24.418 MeV] (A_Tm:80)
169Tm69 + 7 D* --> 154Sm62 + 29Si14 + 125.027 MeV [18.499 MeV] (A_Tm:81)
169Tm69 + 7 D* --> 157Gd64 + 26Mg12 + 117.715 MeV [11.188 MeV] (A_Tm:82)
169Tm69 + 7 D* --> 158Gd64 + 25Mg12 + 114.560 MeV [8.032 MeV] (A_Tm:83)
169Tm69 + 7 D* --> 161Dy66 + 22Ne10 + 106.756 MeV [00.229 MeV] (A_Tm:84)
169Tm69 + 7 D* --> 162Dy66 + 21Ne10 + 104.589 MeV [-1.939 MeV] (A_Tm:85)
169Tm69 + 7 D* --> 163Dy66 + 20Ne10 + 104.099 MeV [-2.429 MeV] (A_Tm:86)
169Tm69 + 7 D* --> 166Er68 + 17O8 + 96.410 MeV [-10.117 MeV] (A_Tm:87)
169Tm69 + 7 D* --> 167Er68 + 16O8 + 98.704 MeV [-7.824 MeV] (A_Tm:88)
169Tm69 + 7 D* --> 169Tm69 + 14N7 + 89.087 MeV [-17.441 MeV] (A_Tm:89)
169Tm69 + 7 D* --> 170Yb70 + 13C6 + 88.314 MeV [-18.213 MeV] (A_Tm:90)
169Tm69 + 7 D* --> 171Yb70 + 12C6 + 89.982 MeV [-16.545 MeV] (A_Tm:91)
169Tm69 + 7 D* --> 174Hf72 + 9Be4 + 75.169 MeV [-31.358 MeV] (A_Tm:92)
169Tm69 + 7 D* --> 180W74 + 3He2 + 65.383 MeV [-41.144 MeV] (A_Tm:93)

169Tm69 + 8 D* --> 130Te52 + 55Mn25 + 188.868 MeV [65.945 MeV] (A_Tm:94)
169Tm69 + 8 D* --> 134Xe54 + 51V23 + 184.132 MeV [61.209 MeV] (A_Tm:95)
169Tm69 + 8 D* --> 139La57 + 46Ca20 + 174.172 MeV [51.250 MeV] (A_Tm:96)
169Tm69 + 8 D* --> 148Nd60 + 37Cl17 + 152.981 MeV [30.058 MeV] (A_Tm:97)
169Tm69 + 8 D* --> 150Nd60 + 35Cl17 + 146.509 MeV [23.586 MeV] (A_Tm:98)
169Tm69 + 8 D* --> 154Sm62 + 31P15 + 140.708 MeV [17.786 MeV] (A_Tm:99)
169Tm69 + 8 D* --> 158Gd64 + 27Al13 + 131.699 MeV [8.777 MeV] (A_Tm:100)
169Tm69 + 8 D* --> 159Tb65 + 26Mg12 + 129.559 MeV [6.637 MeV] (A_Tm:101)
169Tm69 + 8 D* --> 162Dy66 + 23Na11 + 121.522 MeV [-1.400 MeV] (A_Tm:102)
169Tm69 + 8 D* --> 165Ho67 + 20Ne10 + 115.752 MeV [-7.170 MeV] (A_Tm:103)
169Tm69 + 8 D* --> 166Er68 + 19F9 + 110.225 MeV [-12.698 MeV] (A_Tm:104)
169Tm69 + 8 D* --> 169Tm69 + 16O8 + 109.823 MeV [-13.100 MeV] (A_Tm:105)
169Tm69 + 8 D* --> 170Yb70 + 15N7 + 104.473 MeV [-18.449 MeV] (A_Tm:106)
169Tm69 + 8 D* --> 171Yb70 + 14N7 + 100.255 MeV [-22.668 MeV] (A_Tm:107)
169Tm69 + 8 D* --> 174Hf72 + 11B5 + 90.985 MeV [-31.938 MeV] (A_Tm:108)
169Tm69 + 8 D* --> 184Os76 + 1H1 + 80.773 MeV [-42.150 MeV] (A_Tm:109)

169Tm69 + 9 D* --> 130Te52 + 57Fe26 + 204.473 MeV [64.867 MeV] (A_Tm:110)
169Tm69 + 9 D* --> 134Xe54 + 53Cr24 + 200.351 MeV [60.744 MeV] (A_Tm:111)
169Tm69 + 9 D* --> 137Ba56 + 50Ti22 + 196.089 MeV [56.483 MeV] (A_Tm:112)
169Tm69 + 9 D* --> 138Ba56 + 49Ti22 + 193.762 MeV [54.156 MeV] (A_Tm:113)
169Tm69 + 9 D* --> 154Sm62 + 33S16 + 155.989 MeV [16.383 MeV] (A_Tm:114)
169Tm69 + 9 D* --> 157Gd64 + 30Si14 + 152.205 MeV [12.599 MeV] (A_Tm:115)
169Tm69 + 9 D* --> 158Gd64 + 29Si14 + 149.533 MeV [9.927 MeV] (A_Tm:116)
169Tm69 + 9 D* --> 161Dy66 + 26Mg12 + 141.217 MeV [1.611 MeV] (A_Tm:117)
169Tm69 + 9 D* --> 162Dy66 + 25Mg12 + 138.321 MeV [-1.285 MeV] (A_Tm:118)
169Tm69 + 9 D* --> 163Dy66 + 24Mg12 + 137.262 MeV [-2.345 MeV] (A_Tm:119)

169Tm69 + 9 D* --> 166Er68 + 21Ne10 + 127.605 MeV [-12.001 MeV] (A_Tm:120)
169Tm69 + 9 D* --> 167Er68 + 20Ne10 + 127.280 MeV [-12.326 MeV] (A_Tm:121)
169Tm69 + 9 D* --> 170Yb70 + 17O8 + 118.519 MeV [-21.087 MeV] (A_Tm:122)
169Tm69 + 9 D* --> 171Yb70 + 16O8 + 120.991 MeV [-18.616 MeV] (A_Tm:123)
169Tm69 + 9 D* --> 174Hf72 + 13C6 + 109.663 MeV [-29.943 MeV] (A_Tm:124)
169Tm69 + 9 D* --> 184Os76 + 3He2 + 86.266 MeV [-53.340 MeV] (A_Tm:125)

169Tm69 + 10 D* --> 124Sn50 + 65Cu29 + 225.578 MeV [69.001 MeV] (A_Tm:126)
169Tm69 + 10 D* --> 130Te52 + 59Co27 + 219.657 MeV [63.081 MeV] (A_Tm:127)
169Tm69 + 10 D* --> 134Xe54 + 55Mn25 + 215.912 MeV [59.336 MeV] (A_Tm:128)
169Tm69 + 10 D* --> 138Ba56 + 51V23 + 210.540 MeV [53.964 MeV] (A_Tm:129)
169Tm69 + 10 D* --> 139La57 + 50Ti22 + 208.735 MeV [52.159 MeV] (A_Tm:130)
169Tm69 + 10 D* --> 141Pr59 + 48Ca20 + 200.312 MeV [43.736 MeV] (A_Tm:131)
169Tm69 + 10 D* --> 148Nd60 + 41K19 + 183.050 MeV [26.473 MeV] (A_Tm:132)
169Tm69 + 10 D* --> 150Nd60 + 39K19 + 177.574 MeV [20.997 MeV] (A_Tm:133)
169Tm69 + 10 D* --> 152Sm62 + 37Cl17 + 176.608 MeV [20.031 MeV] (A_Tm:134)
169Tm69 + 10 D* --> 154Sm62 + 35Cl17 + 171.552 MeV [14.976 MeV] (A_Tm:135)
169Tm69 + 10 D* --> 153Eu63 + 36S16 + 174.115 MeV [17.538 MeV] (A_Tm:136)
169Tm69 + 10 D* --> 158Gd64 + 31P15 + 165.215 MeV [8.638 MeV] (A_Tm:137)
169Tm69 + 10 D* --> 159Tb65 + 30Si14 + 164.049 MeV [7.473 MeV] (A_Tm:138)
169Tm69 + 10 D* --> 162Dy66 + 27Al13 + 155.461 MeV [-1.116 MeV] (A_Tm:139)
169Tm69 + 10 D* --> 165Ho67 + 24Mg12 + 148.915 MeV [-7.661 MeV] (A_Tm:140)
169Tm69 + 10 D* --> 166Er68 + 23Na11 + 144.539 MeV [-12.038 MeV] (A_Tm:141)
169Tm69 + 10 D* --> 169Tm69 + 20Ne10 + 138.399 MeV [-18.177 MeV] (A_Tm:142)
169Tm69 + 10 D* --> 170Yb70 + 19F9 + 132.334 MeV [-24.243 MeV] (A_Tm:143)
169Tm69 + 10 D* --> 174Hf72 + 15N7 + 125.822 MeV [-30.754 MeV] (A_Tm:144)

169Tm69 + 11 D* --> 124Sn50 + 67Zn30 + 239.330 MeV [65.499 MeV] (A_Tm:145)
169Tm69 + 11 D* --> 130Te52 + 61Ni28 + 234.785 MeV [60.954 MeV] (A_Tm:146)
169Tm69 + 11 D* --> 134Xe54 + 57Fe26 + 231.518 MeV [57.686 MeV] (A_Tm:147)
169Tm69 + 11 D* --> 137Ba56 + 54Cr24 + 227.867 MeV [54.036 MeV] (A_Tm:148)
169Tm69 + 11 D* --> 138Ba56 + 53Cr24 + 226.759 MeV [52.928 MeV] (A_Tm:149)
169Tm69 + 11 D* --> 142Ce58 + 49Ti22 + 216.310 MeV [42.479 MeV] (A_Tm:150)
169Tm69 + 11 D* --> 143Nd60 + 48Ca20 + 211.435 MeV [37.603 MeV] (A_Tm:151)
169Tm69 + 11 D* --> 145Nd60 + 46Ca20 + 207.785 MeV [33.954 MeV] (A_Tm:152)
169Tm69 + 11 D* --> 148Nd60 + 43Ca20 + 199.035 MeV [25.204 MeV] (A_Tm:153)
169Tm69 + 11 D* --> 155Gd64 + 36S16 + 185.954 MeV [12.123 MeV] (A_Tm:154)
169Tm69 + 11 D* --> 157Gd64 + 34S16 + 183.975 MeV [10.144 MeV] (A_Tm:155)
169Tm69 + 11 D* --> 158Gd64 + 33S16 + 180.496 MeV [6.664 MeV] (A_Tm:156)
169Tm69 + 11 D* --> 161Dy66 + 30Si14 + 175.707 MeV [1.876 MeV] (A_Tm:157)
169Tm69 + 11 D* --> 162Dy66 + 29Si14 + 173.295 MeV [-0.536 MeV] (A_Tm:158)
169Tm69 + 11 D* --> 163Dy66 + 28Si14 + 171.092 MeV [-2.739 MeV] (A_Tm:159)
169Tm69 + 11 D* --> 166Er68 + 25Mg12 + 161.337 MeV [-12.494 MeV] (A_Tm:160)
169Tm69 + 11 D* --> 167Er68 + 24Mg12 + 160.443 MeV [-13.388 MeV] (A_Tm:161)
169Tm69 + 11 D* --> 170Yb70 + 21Ne10 + 149.714 MeV [-24.118 MeV] (A_Tm:162)
169Tm69 + 11 D* --> 171Yb70 + 20Ne10 + 149.567 MeV [-24.264 MeV] (A_Tm:163)
169Tm69 + 11 D* --> 174Hf72 + 17O8 + 139.868 MeV [-33.963 MeV] (A_Tm:164)

169Tm69 + 12 D* --> 122Sn50 + 71Ga31 + 256.435 MeV [65.066 MeV] (A_Tm:165)
169Tm69 + 12 D* --> 124Sn50 + 69Ga31 + 253.913 MeV [62.544 MeV] (A_Tm:166)
169Tm69 + 12 D* --> 123Sb51 + 70Zn30 + 255.137 MeV [63.769 MeV] (A_Tm:167)
169Tm69 + 12 D* --> 128Te52 + 65Cu29 + 252.604 MeV [61.236 MeV] (A_Tm:168)
169Tm69 + 12 D* --> 130Te52 + 63Cu29 + 249.280 MeV [57.911 MeV] (A_Tm:169)
169Tm69 + 12 D* --> 134Xe54 + 59Co27 + 246.702 MeV [55.333 MeV] (A_Tm:170)

169Tm69 + 12 D* --> 138Ba56 + 55Mn25 + 242.321 MeV [50.952 MeV] (A_Tm:171)
169Tm69 + 12 D* --> 139La57 + 54Cr24 + 240.513 MeV [49.144 MeV] (A_Tm:172)
169Tm69 + 12 D* --> 142Ce58 + 51V23 + 233.089 MeV [41.720 MeV] (A_Tm:173)
169Tm69 + 12 D* --> 148Nd60 + 45Sc21 + 214.830 MeV [23.461 MeV] (A_Tm:174)
169Tm69 + 12 D* --> 152Sm62 + 41K19 + 206.677 MeV [15.308 MeV] (A_Tm:175)
169Tm69 + 12 D* --> 154Sm62 + 39K19 + 202.617 MeV [11.248 MeV] (A_Tm:176)
169Tm69 + 12 D* --> 153Eu63 + 40Ar18 + 204.762 MeV [13.393 MeV] (A_Tm:177)
169Tm69 + 12 D* --> 156Gd64 + 37Cl17 + 200.652 MeV [9.284 MeV] (A_Tm:178)
169Tm69 + 12 D* --> 158Gd64 + 35Cl17 + 196.059 MeV [4.690 MeV] (A_Tm:179)
169Tm69 + 12 D* --> 159Tb65 + 34S16 + 195.820 MeV [4.451 MeV] (A_Tm:180)
169Tm69 + 12 D* --> 162Dy66 + 31P15 + 188.976 MeV [-2.392 MeV] (A_Tm:181)
169Tm69 + 12 D* --> 165Ho67 + 28Si14 + 182.746 MeV [-8.623 MeV] (A_Tm:182)
169Tm69 + 12 D* --> 166Er68 + 27Al13 + 178.477 MeV [-12.892 MeV] (A_Tm:183)
169Tm69 + 12 D* --> 169Tm69 + 24Mg12 + 171.562 MeV [-19.807 MeV] (A_Tm:184)
169Tm69 + 12 D* --> 170Yb70 + 23Na11 + 166.648 MeV [-24.721 MeV] (A_Tm:185)
169Tm69 + 12 D* --> 174Hf72 + 19F9 + 153.683 MeV [-37.686 MeV] (A_Tm:186)

---------- Equations follow for Ytterbium, Yb, element 70 ----------

168Yb70 + D* --> 130Te52 + 40K19 + 72.448 MeV [57.891 MeV] (A_Yb:1)
168Yb70 + D* --> 153Eu63 + 17O8 + 25.743 MeV [11.187 MeV] (A_Yb:2)
168Yb70 + D* --> 155Gd64 + 15N7 + 23.537 MeV [8.980 MeV] (A_Yb:3)
168Yb70 + D* --> 156Gd64 + 14N7 + 21.240 MeV [6.683 MeV] (A_Yb:4)
168Yb70 + D* --> 160Dy66 + 10B5 + 9.188 MeV [-5.368 MeV] (A_Yb:5)
168Yb70 + D* --> 164Er68 + 6Li3 + 3.424 MeV [-11.133 MeV] (A_Yb:6)

168Yb70 + 2 D* --> 86Kr36 + 86Kr36 + 131.228 MeV [101.813 MeV] (A_Yb:7)
168Yb70 + 2 D* --> 96Zr40 + 76Ge32 + 123.353 MeV [93.938 MeV] (A_Yb:8)
168Yb70 + 2 D* --> 122Sn50 + 50Ti22 + 106.069 MeV [76.655 MeV] (A_Yb:9)
168Yb70 + 2 D* --> 124Sn50 + 48Ti22 + 101.421 MeV [72.007 MeV] (A_Yb:10)
168Yb70 + 2 D* --> 124Te52 + 48Ca20 + 99.435 MeV [70.021 MeV] (A_Yb:11)
168Yb70 + 2 D* --> 126Te52 + 46Ca20 + 97.896 MeV [68.482 MeV] (A_Yb:12)
168Yb70 + 2 D* --> 128Te52 + 44Ca20 + 95.157 MeV [65.743 MeV] (A_Yb:13)
168Yb70 + 2 D* --> 130Te52 + 42Ca20 + 90.595 MeV [61.181 MeV] (A_Yb:14)
168Yb70 + 2 D* --> 132Xe54 + 40Ar18 + 89.017 MeV [59.602 MeV] (A_Yb:15)
168Yb70 + 2 D* --> 134Xe54 + 38Ar18 + 87.536 MeV [58.121 MeV] (A_Yb:16)
168Yb70 + 2 D* --> 136Xe54 + 36Ar18 + 81.353 MeV [51.939 MeV] (A_Yb:17)
168Yb70 + 2 D* --> 136Ba56 + 36S16 + 84.248 MeV [54.833 MeV] (A_Yb:18)
168Yb70 + 2 D* --> 138Ba56 + 34S16 + 82.890 MeV [53.476 MeV] (A_Yb:19)
168Yb70 + 2 D* --> 142Ce58 + 30Si14 + 73.668 MeV [44.253 MeV] (A_Yb:20)
168Yb70 + 2 D* --> 146Nd60 + 26Mg12 + 61.842 MeV [32.428 MeV] (A_Yb:21)
168Yb70 + 2 D* --> 148Nd60 + 24Mg12 + 56.044 MeV [26.629 MeV] (A_Yb:22)
168Yb70 + 2 D* --> 150Sm62 + 22Ne10 + 49.779 MeV [20.364 MeV] (A_Yb:23)
168Yb70 + 2 D* --> 152Sm62 + 20Ne10 + 46.507 MeV [17.093 MeV] (A_Yb:24)
168Yb70 + 2 D* --> 153Eu63 + 19F9 + 39.558 MeV [10.143 MeV] (A_Yb:25)
168Yb70 + 2 D* --> 154Gd64 + 18O8 + 39.192 MeV [9.777 MeV] (A_Yb:26)
168Yb70 + 2 D* --> 155Gd64 + 17O8 + 37.583 MeV [8.168 MeV] (A_Yb:27)
168Yb70 + 2 D* --> 156Gd64 + 16O8 + 41.976 MeV [12.561 MeV] (A_Yb:28)
168Yb70 + 2 D* --> 160Dy66 + 12C6 + 34.375 MeV [4.960 MeV] (A_Yb:29)
168Yb70 + 2 D* --> 168Yb70 + 4He2 + 23.847 MeV [-5.568 MeV] (A_Yb:30)

168Yb70 + 3 D* --> 124Sn50 + 50V23 + 115.291 MeV [70.719 MeV] (A_Yb:31)
168Yb70 + 3 D* --> 134Xe54 + 40K19 + 99.492 MeV [54.921 MeV] (A_Yb:32)
168Yb70 + 3 D* --> 137Ba56 + 37Cl17 + 97.315 MeV [52.744 MeV] (A_Yb:33)

168Yb70 + 3 D* --> 138La57 + 36S16 + 95.021 MeV [50.450 MeV] (A_Yb:34)
168Yb70 + 3 D* --> 153Eu63 + 21Ne10 + 56.938 MeV [12.366 MeV] (A_Yb:35)
168Yb70 + 3 D* --> 155Gd64 + 19F9 + 51.397 MeV [6.826 MeV] (A_Yb:36)
168Yb70 + 3 D* --> 160Dy66 + 14N7 + 44.647 MeV [00.076 MeV] (A_Yb:37)
168Yb70 + 3 D* --> 164Er68 + 10B5 + 31.731 MeV [-12.840 MeV] (A_Yb:38)
168Yb70 + 3 D* --> 168Yb70 + 6Li3 + 25.320 MeV [-19.251 MeV] (A_Yb:39)

168Yb70 + 4 D* --> 94Zr40 + 82Se34 + 155.829 MeV [95.804 MeV] (A_Yb:40)
168Yb70 + 4 D* --> 96Zr40 + 80Se34 + 154.171 MeV [94.146 MeV] (A_Yb:41)
168Yb70 + 4 D* --> 100Mo42 + 76Ge32 + 150.366 MeV [90.341 MeV] (A_Yb:42)
168Yb70 + 4 D* --> 122Sn50 + 54Cr24 + 137.847 MeV [77.822 MeV] (A_Yb:43)
168Yb70 + 4 D* --> 124Sn50 + 52Cr24 + 134.622 MeV [74.597 MeV] (A_Yb:44)
168Yb70 + 4 D* --> 126Te52 + 50Ti22 + 132.459 MeV [72.435 MeV] (A_Yb:45)
168Yb70 + 4 D* --> 128Te52 + 48Ti22 + 128.448 MeV [68.423 MeV] (A_Yb:46)
168Yb70 + 4 D* --> 130Te52 + 46Ti22 + 122.443 MeV [62.418 MeV] (A_Yb:47)
168Yb70 + 4 D* --> 128Xe54 + 48Ca20 + 125.042 MeV [65.018 MeV] (A_Yb:48)
168Yb70 + 4 D* --> 130Xe54 + 46Ca20 + 123.985 MeV [63.960 MeV] (A_Yb:49)
168Yb70 + 4 D* --> 132Xe54 + 44Ca20 + 121.717 MeV [61.692 MeV] (A_Yb:50)
168Yb70 + 4 D* --> 134Xe54 + 42Ca20 + 117.640 MeV [57.615 MeV] (A_Yb:51)
168Yb70 + 4 D* --> 136Xe54 + 40Ca20 + 112.240 MeV [52.215 MeV] (A_Yb:52)
168Yb70 + 4 D* --> 136Ba56 + 40Ar18 + 114.895 MeV [54.870 MeV] (A_Yb:53)
168Yb70 + 4 D* --> 138Ba56 + 38Ar18 + 113.944 MeV [53.920 MeV] (A_Yb:54)
168Yb70 + 4 D* --> 139La57 + 37Cl17 + 109.961 MeV [49.936 MeV] (A_Yb:55)
168Yb70 + 4 D* --> 140Ce58 + 36S16 + 109.716 MeV [49.691 MeV] (A_Yb:56)
168Yb70 + 4 D* --> 142Ce58 + 34S16 + 105.439 MeV [45.414 MeV] (A_Yb:57)
168Yb70 + 4 D* --> 146Nd60 + 30Si14 + 96.332 MeV [36.307 MeV] (A_Yb:58)
168Yb70 + 4 D* --> 148Nd60 + 28Si14 + 89.874 MeV [29.850 MeV] (A_Yb:59)
168Yb70 + 4 D* --> 150Sm62 + 26Mg12 + 84.240 MeV [24.215 MeV] (A_Yb:60)
168Yb70 + 4 D* --> 152Sm62 + 24Mg12 + 79.671 MeV [19.646 MeV] (A_Yb:61)
168Yb70 + 4 D* --> 153Eu63 + 23Na11 + 73.872 MeV [13.847 MeV] (A_Yb:62)
168Yb70 + 4 D* --> 154Gd64 + 22Ne10 + 72.706 MeV [12.681 MeV] (A_Yb:63)
168Yb70 + 4 D* --> 155Gd64 + 21Ne10 + 68.777 MeV [8.752 MeV] (A_Yb:64)
168Yb70 + 4 D* --> 156Gd64 + 20Ne10 + 70.552 MeV [10.528 MeV] (A_Yb:65)
168Yb70 + 4 D* --> 158Dy66 + 18O8 + 62.162 MeV [2.137 MeV] (A_Yb:66)
168Yb70 + 4 D* --> 160Dy66 + 16O8 + 65.383 MeV [5.358 MeV] (A_Yb:67)
168Yb70 + 4 D* --> 164Er68 + 12C6 + 56.918 MeV [-3.107 MeV] (A_Yb:68)

168Yb70 + 5 D* --> 128Te52 + 50V23 + 142.318 MeV [66.545 MeV] (A_Yb:69)
168Yb70 + 5 D* --> 137Ba56 + 41K19 + 127.384 MeV [51.611 MeV] (A_Yb:70)
168Yb70 + 5 D* --> 138Ba56 + 40K19 + 125.901 MeV [50.128 MeV] (A_Yb:71)
168Yb70 + 5 D* --> 138La57 + 40Ar18 + 125.669 MeV [49.896 MeV] (A_Yb:72)
168Yb70 + 5 D* --> 153Eu63 + 25Mg12 + 90.670 MeV [14.897 MeV] (A_Yb:73)
168Yb70 + 5 D* --> 155Gd64 + 23Na11 + 85.711 MeV [9.938 MeV] (A_Yb:74)
168Yb70 + 5 D* --> 164Er68 + 14N7 + 67.190 MeV [-8.583 MeV] (A_Yb:75)
168Yb70 + 5 D* --> 168Yb70 + 10B5 + 53.628 MeV [-22.145 MeV] (A_Yb:76)

168Yb70 + 6 D* --> 94Zr40 + 86Kr36 + 187.772 MeV [95.958 MeV] (A_Yb:77)
168Yb70 + 6 D* --> 96Zr40 + 84Kr36 + 185.113 MeV [93.300 MeV] (A_Yb:78)
168Yb70 + 6 D* --> 98Mo42 + 82Se34 + 182.945 MeV [91.132 MeV] (A_Yb:79)
168Yb70 + 6 D* --> 100Mo42 + 80Se34 + 181.184 MeV [89.370 MeV] (A_Yb:80)
168Yb70 + 6 D* --> 104Ru44 + 76Ge32 + 178.542 MeV [86.728 MeV] (A_Yb:81)
168Yb70 + 6 D* --> 110Pd46 + 70Zn30 + 175.154 MeV [83.340 MeV] (A_Yb:82)
168Yb70 + 6 D* --> 116Cd48 + 64Ni28 + 173.058 MeV [81.245 MeV] (A_Yb:83)
168Yb70 + 6 D* --> 122Sn50 + 58Fe26 + 169.339 MeV [77.525 MeV] (A_Yb:84)

168Yb70 + 6 D* --> 124Sn50 + 56Fe26 + 166.082 MeV [74.268 MeV] (A_Yb:85)
168Yb70 + 6 D* --> 126Te52 + 54Cr24 + 164.237 MeV [72.423 MeV] (A_Yb:86)
168Yb70 + 6 D* --> 128Te52 + 52Cr24 + 161.649 MeV [69.835 MeV] (A_Yb:87)
168Yb70 + 6 D* --> 130Te52 + 50Cr24 + 154.851 MeV [63.037 MeV] (A_Yb:88)
168Yb70 + 6 D* --> 130Xe54 + 50Ti22 + 158.548 MeV [66.734 MeV] (A_Yb:89)
168Yb70 + 6 D* --> 131Xe54 + 49Ti22 + 154.214 MeV [62.400 MeV] (A_Yb:90)
168Yb70 + 6 D* --> 132Xe54 + 48Ti22 + 155.008 MeV [63.194 MeV] (A_Yb:91)
168Yb70 + 6 D* --> 134Xe54 + 46Ti22 + 149.488 MeV [57.674 MeV] (A_Yb:92)
168Yb70 + 6 D* --> 132Ba56 + 48Ca20 + 149.889 MeV [58.075 MeV] (A_Yb:93)
168Yb70 + 6 D* --> 134Ba56 + 46Ca20 + 149.325 MeV [57.511 MeV] (A_Yb:94)
168Yb70 + 6 D* --> 136Ba56 + 44Ca20 + 147.595 MeV [55.781 MeV] (A_Yb:95)
168Yb70 + 6 D* --> 137Ba56 + 43Ca20 + 143.370 MeV [51.556 MeV] (A_Yb:96)
168Yb70 + 6 D* --> 138Ba56 + 42Ca20 + 144.048 MeV [52.235 MeV] (A_Yb:97)
168Yb70 + 6 D* --> 139La57 + 41K19 + 140.030 MeV [48.216 MeV] (A_Yb:98)
168Yb70 + 6 D* --> 140Ce58 + 40Ar18 + 140.363 MeV [48.549 MeV] (A_Yb:99)
168Yb70 + 6 D* --> 142Ce58 + 38Ar18 + 136.493 MeV [44.679 MeV] (A_Yb:100)
168Yb70 + 6 D* --> 144Nd60 + 36S16 + 131.657 MeV [39.843 MeV] (A_Yb:101)
168Yb70 + 6 D* --> 146Nd60 + 34S16 + 128.103 MeV [36.289 MeV] (A_Yb:102)
168Yb70 + 6 D* --> 148Nd60 + 32S16 + 120.669 MeV [28.855 MeV] (A_Yb:103)
168Yb70 + 6 D* --> 150Sm62 + 30Si14 + 118.730 MeV [26.916 MeV] (A_Yb:104)
168Yb70 + 6 D* --> 152Sm62 + 28Si14 + 113.501 MeV [21.688 MeV] (A_Yb:105)
168Yb70 + 6 D* --> 153Eu63 + 27Al13 + 107.810 MeV [15.996 MeV] (A_Yb:106)
168Yb70 + 6 D* --> 154Gd64 + 26Mg12 + 107.167 MeV [15.354 MeV] (A_Yb:107)
168Yb70 + 6 D* --> 155Gd64 + 25Mg12 + 102.510 MeV [10.696 MeV] (A_Yb:108)
168Yb70 + 6 D* --> 156Gd64 + 24Mg12 + 103.715 MeV [11.902 MeV] (A_Yb:109)
168Yb70 + 6 D* --> 158Dy66 + 22Ne10 + 95.677 MeV [3.863 MeV] (A_Yb:110)
168Yb70 + 6 D* --> 160Dy66 + 20Ne10 + 93.960 MeV [2.146 MeV] (A_Yb:111)
168Yb70 + 6 D* --> 162Er68 + 18O8 + 84.364 MeV [-7.450 MeV] (A_Yb:112)
168Yb70 + 6 D* --> 164Er68 + 16O8 + 87.926 MeV [-3.887 MeV] (A_Yb:113)
168Yb70 + 6 D* --> 168Yb70 + 12C6 + 78.814 MeV [-12.999 MeV] (A_Yb:114)

168Yb70 + 7 D* --> 131Xe54 + 51V23 + 170.992 MeV [62.847 MeV] (A_Yb:115)
168Yb70 + 7 D* --> 132Xe54 + 50V23 + 168.877 MeV [60.732 MeV] (A_Yb:116)
168Yb70 + 7 D* --> 133Cs55 + 49Ti22 + 167.005 MeV [58.860 MeV] (A_Yb:117)
168Yb70 + 7 D* --> 137Ba56 + 45Sc21 + 159.164 MeV [51.019 MeV] (A_Yb:118)
168Yb70 + 7 D* --> 138La57 + 44Ca20 + 158.369 MeV [50.223 MeV] (A_Yb:119)
168Yb70 + 7 D* --> 139La57 + 43Ca20 + 156.015 MeV [47.870 MeV] (A_Yb:120)
168Yb70 + 7 D* --> 142Ce58 + 40K19 + 148.449 MeV [40.304 MeV] (A_Yb:121)
168Yb70 + 7 D* --> 145Nd60 + 37Cl17 + 143.574 MeV [35.429 MeV] (A_Yb:122)
168Yb70 + 7 D* --> 153Eu63 + 29Si14 + 125.644 MeV [17.499 MeV] (A_Yb:123)
168Yb70 + 7 D* --> 155Gd64 + 27Al13 + 119.649 MeV [11.504 MeV] (A_Yb:124)
168Yb70 + 7 D* --> 168Yb70 + 14N7 + 89.087 MeV [-19.058 MeV] (A_Yb:125)

168Yb70 + 8 D* --> 96Zr40 + 88Sr38 + 216.876 MeV [92.110 MeV] (A_Yb:126)
168Yb70 + 8 D* --> 98Mo42 + 86Kr36 + 214.888 MeV [90.123 MeV] (A_Yb:127)
168Yb70 + 8 D* --> 100Mo42 + 84Kr36 + 212.126 MeV [87.361 MeV] (A_Yb:128)
168Yb70 + 8 D* --> 102Ru44 + 82Se34 + 210.203 MeV [85.438 MeV] (A_Yb:129)
168Yb70 + 8 D* --> 104Ru44 + 80Se34 + 209.360 MeV [84.595 MeV] (A_Yb:130)
168Yb70 + 8 D* --> 108Pd46 + 76Ge32 + 206.248 MeV [81.483 MeV] (A_Yb:131)
168Yb70 + 8 D* --> 110Pd46 + 74Ge32 + 205.283 MeV [80.517 MeV] (A_Yb:132)
168Yb70 + 8 D* --> 114Cd48 + 70Zn30 + 203.097 MeV [78.331 MeV] (A_Yb:133)
168Yb70 + 8 D* --> 116Cd48 + 68Zn30 + 202.238 MeV [77.472 MeV] (A_Yb:134)
168Yb70 + 8 D* --> 120Sn50 + 64Ni28 + 201.715 MeV [76.950 MeV] (A_Yb:135)
168Yb70 + 8 D* --> 122Sn50 + 62Ni28 + 200.203 MeV [75.438 MeV] (A_Yb:136)

168Yb70 + 8 D* --> 124Sn50 + 60Ni28 + 196.220 MeV [71.455 MeV] (A_Yb:137)
168Yb70 + 8 D* --> 126Te52 + 58Fe26 + 195.729 MeV [70.964 MeV] (A_Yb:138)
168Yb70 + 8 D* --> 128Te52 + 56Fe26 + 193.109 MeV [68.343 MeV] (A_Yb:139)
168Yb70 + 8 D* --> 130Te52 + 54Fe26 + 187.115 MeV [62.350 MeV] (A_Yb:140)
168Yb70 + 8 D* --> 130Xe54 + 54Cr24 + 190.325 MeV [65.560 MeV] (A_Yb:141)
168Yb70 + 8 D* --> 131Xe54 + 53Cr24 + 187.211 MeV [62.446 MeV] (A_Yb:142)
168Yb70 + 8 D* --> 132Xe54 + 52Cr24 + 188.209 MeV [63.443 MeV] (A_Yb:143)
168Yb70 + 8 D* --> 134Xe54 + 50Cr24 + 181.895 MeV [57.130 MeV] (A_Yb:144)
168Yb70 + 8 D* --> 133Cs55 + 51V23 + 183.783 MeV [59.018 MeV] (A_Yb:145)
168Yb70 + 8 D* --> 134Ba56 + 50Ti22 + 183.888 MeV [59.122 MeV] (A_Yb:146)
168Yb70 + 8 D* --> 135Ba56 + 49Ti22 + 179.920 MeV [55.155 MeV] (A_Yb:147)
168Yb70 + 8 D* --> 136Ba56 + 48Ti22 + 180.886 MeV [56.120 MeV] (A_Yb:148)
168Yb70 + 8 D* --> 137Ba56 + 47Ti22 + 176.165 MeV [51.399 MeV] (A_Yb:149)
168Yb70 + 8 D* --> 138Ba56 + 46Ti22 + 175.896 MeV [51.131 MeV] (A_Yb:150)
168Yb70 + 8 D* --> 139La57 + 45Sc21 + 171.810 MeV [47.045 MeV] (A_Yb:151)
168Yb70 + 8 D* --> 136Ce58 + 48Ca20 + 174.194 MeV [49.428 MeV] (A_Yb:152)
168Yb70 + 8 D* --> 138Ce58 + 46Ca20 + 174.215 MeV [49.449 MeV] (A_Yb:153)
168Yb70 + 8 D* --> 140Ce58 + 44Ca20 + 173.063 MeV [48.298 MeV] (A_Yb:154)
168Yb70 + 8 D* --> 142Ce58 + 42Ca20 + 166.597 MeV [41.831 MeV] (A_Yb:155)
168Yb70 + 8 D* --> 144Nd60 + 40Ar18 + 162.304 MeV [37.539 MeV] (A_Yb:156)
168Yb70 + 8 D* --> 146Nd60 + 38Ar18 + 159.157 MeV [34.391 MeV] (A_Yb:157)
168Yb70 + 8 D* --> 148Nd60 + 36Ar18 + 151.156 MeV [26.391 MeV] (A_Yb:158)
168Yb70 + 8 D* --> 148Sm62 + 36S16 + 153.517 MeV [28.752 MeV] (A_Yb:159)
168Yb70 + 8 D* --> 150Sm62 + 34S16 + 150.500 MeV [25.735 MeV] (A_Yb:160)
168Yb70 + 8 D* --> 152Sm62 + 32S16 + 144.296 MeV [19.530 MeV] (A_Yb:161)
168Yb70 + 8 D* --> 153Eu63 + 31P15 + 141.325 MeV [16.560 MeV] (A_Yb:162)
168Yb70 + 8 D* --> 154Gd64 + 30Si14 + 141.657 MeV [16.892 MeV] (A_Yb:163)
168Yb70 + 8 D* --> 155Gd64 + 29Si14 + 137.483 MeV [12.718 MeV] (A_Yb:164)
168Yb70 + 8 D* --> 156Gd64 + 28Si14 + 137.546 MeV [12.781 MeV] (A_Yb:165)
168Yb70 + 8 D* --> 158Dy66 + 26Mg12 + 130.138 MeV [5.372 MeV] (A_Yb:166)
168Yb70 + 8 D* --> 160Dy66 + 24Mg12 + 127.123 MeV [2.357 MeV] (A_Yb:167)
168Yb70 + 8 D* --> 162Er68 + 22Ne10 + 117.878 MeV [-6.887 MeV] (A_Yb:168)
168Yb70 + 8 D* --> 164Er68 + 20Ne10 + 116.503 MeV [-8.263 MeV] (A_Yb:169)
168Yb70 + 8 D* --> 168Yb70 + 16O8 + 109.823 MeV [-14.943 MeV] (A_Yb:170)

168Yb70 + 9 D* --> 131Xe54 + 55Mn25 + 202.773 MeV [61.100 MeV] (A_Yb:171)
168Yb70 + 9 D* --> 133Cs55 + 53Cr24 + 200.003 MeV [58.330 MeV] (A_Yb:172)
168Yb70 + 9 D* --> 135Ba56 + 51V23 + 196.699 MeV [55.026 MeV] (A_Yb:173)
168Yb70 + 9 D* --> 136Ba56 + 50V23 + 194.755 MeV [53.083 MeV] (A_Yb:174)
168Yb70 + 9 D* --> 138La57 + 48Ti22 + 191.659 MeV [49.987 MeV] (A_Yb:175)
168Yb70 + 9 D* --> 139La57 + 47Ti22 + 188.811 MeV [47.138 MeV] (A_Yb:176)
168Yb70 + 9 D* --> 145Nd60 + 41K19 + 173.643 MeV [31.971 MeV] (A_Yb:177)
168Yb70 + 9 D* --> 146Nd60 + 40K19 + 171.113 MeV [29.441 MeV] (A_Yb:178)
168Yb70 + 9 D* --> 149Sm62 + 37Cl17 + 165.550 MeV [23.878 MeV] (A_Yb:179)
168Yb70 + 9 D* --> 153Eu63 + 33S16 + 156.606 MeV [14.934 MeV] (A_Yb:180)
168Yb70 + 9 D* --> 155Gd64 + 31P15 + 153.165 MeV [11.492 MeV] (A_Yb:181)

168Yb70 + 10 D* --> 94Zr40 + 94Zr40 + 244.316 MeV [85.452 MeV] (A_Yb:182)
168Yb70 + 10 D* --> 96Zr40 + 92Zr40 + 243.679 MeV [84.815 MeV] (A_Yb:183)
168Yb70 + 10 D* --> 100Mo42 + 88Sr38 + 243.889 MeV [85.024 MeV] (A_Yb:184)
168Yb70 + 10 D* --> 102Ru44 + 86Kr36 + 242.146 MeV [83.282 MeV] (A_Yb:185)
168Yb70 + 10 D* --> 104Ru44 + 84Kr36 + 240.302 MeV [81.438 MeV] (A_Yb:186)
168Yb70 + 10 D* --> 106Pd46 + 82Se34 + 237.279 MeV [78.415 MeV] (A_Yb:187)
168Yb70 + 10 D* --> 108Pd46 + 80Se34 + 237.067 MeV [78.202 MeV] (A_Yb:188)

168Yb70 + 10 D* --> 110Pd46 + 78Se34 + 235.158 MeV [76.293 MeV] (A_Yb:189)
168Yb70 + 10 D* --> 112Cd48 + 76Ge32 + 233.576 MeV [74.712 MeV] (A_Yb:190)
168Yb70 + 10 D* --> 114Cd48 + 74Ge32 + 233.226 MeV [74.361 MeV] (A_Yb:191)
168Yb70 + 10 D* --> 116Cd48 + 72Ge32 + 231.088 MeV [72.223 MeV] (A_Yb:192)
168Yb70 + 10 D* --> 118Sn50 + 70Zn30 + 231.003 MeV [72.139 MeV] (A_Yb:193)
168Yb70 + 10 D* --> 120Sn50 + 68Zn30 + 230.895 MeV [72.030 MeV] (A_Yb:194)
168Yb70 + 10 D* --> 122Sn50 + 66Zn30 + 228.628 MeV [69.763 MeV] (A_Yb:195)
168Yb70 + 10 D* --> 124Sn50 + 64Zn30 + 224.023 MeV [65.158 MeV] (A_Yb:196)
168Yb70 + 10 D* --> 123Sb51 + 65Cu29 + 226.270 MeV [67.406 MeV] (A_Yb:197)
168Yb70 + 10 D* --> 124Te52 + 64Ni28 + 227.406 MeV [68.542 MeV] (A_Yb:198)
168Yb70 + 10 D* --> 126Te52 + 62Ni28 + 226.593 MeV [67.729 MeV] (A_Yb:199)
168Yb70 + 10 D* --> 128Te52 + 60Ni28 + 223.247 MeV [64.382 MeV] (A_Yb:200)
168Yb70 + 10 D* --> 130Te52 + 58Ni28 + 217.362 MeV [58.497 MeV] (A_Yb:201)
168Yb70 + 10 D* --> 130Xe54 + 58Fe26 + 221.818 MeV [62.953 MeV] (A_Yb:202)
168Yb70 + 10 D* --> 131Xe54 + 57Fe26 + 218.378 MeV [59.513 MeV] (A_Yb:203)
168Yb70 + 10 D* --> 132Xe54 + 56Fe26 + 219.668 MeV [60.804 MeV] (A_Yb:204)
168Yb70 + 10 D* --> 134Xe54 + 54Fe26 + 214.160 MeV [55.295 MeV] (A_Yb:205)
168Yb70 + 10 D* --> 133Cs55 + 55Mn25 + 215.564 MeV [56.700 MeV] (A_Yb:206)
168Yb70 + 10 D* --> 134Ba56 + 54Cr24 + 215.665 MeV [56.800 MeV] (A_Yb:207)
168Yb70 + 10 D* --> 135Ba56 + 53Cr24 + 212.918 MeV [54.053 MeV] (A_Yb:208)
168Yb70 + 10 D* --> 136Ba56 + 52Cr24 + 214.086 MeV [55.222 MeV] (A_Yb:209)
168Yb70 + 10 D* --> 138Ba56 + 50Cr24 + 208.304 MeV [49.439 MeV] (A_Yb:210)
168Yb70 + 10 D* --> 138La57 + 50V23 + 205.529 MeV [46.664 MeV] (A_Yb:211)
168Yb70 + 10 D* --> 138Ce58 + 50Ti22 + 208.778 MeV [49.913 MeV] (A_Yb:212)
168Yb70 + 10 D* --> 140Ce58 + 48Ti22 + 206.354 MeV [47.489 MeV] (A_Yb:213)
168Yb70 + 10 D* --> 142Ce58 + 46Ti22 + 198.444 MeV [39.580 MeV] (A_Yb:214)
168Yb70 + 10 D* --> 142Nd60 + 46Ca20 + 198.873 MeV [40.008 MeV] (A_Yb:215)
168Yb70 + 10 D* --> 144Nd60 + 44Ca20 + 195.004 MeV [36.140 MeV] (A_Yb:216)
168Yb70 + 10 D* --> 145Nd60 + 43Ca20 + 189.628 MeV [30.764 MeV] (A_Yb:217)
168Yb70 + 10 D* --> 146Nd60 + 42Ca20 + 189.261 MeV [30.396 MeV] (A_Yb:218)
168Yb70 + 10 D* --> 148Nd60 + 40Ca20 + 182.042 MeV [23.178 MeV] (A_Yb:219)
168Yb70 + 10 D* --> 148Sm62 + 40Ar18 + 184.165 MeV [25.300 MeV] (A_Yb:220)
168Yb70 + 10 D* --> 150Sm62 + 38Ar18 + 181.554 MeV [22.690 MeV] (A_Yb:221)
168Yb70 + 10 D* --> 152Sm62 + 36Ar18 + 174.783 MeV [15.918 MeV] (A_Yb:222)
168Yb70 + 10 D* --> 151Eu63 + 37Cl17 + 176.203 MeV [17.339 MeV] (A_Yb:223)
168Yb70 + 10 D* --> 153Eu63 + 35Cl17 + 172.170 MeV [13.305 MeV] (A_Yb:224)
168Yb70 + 10 D* --> 152Gd64 + 36S16 + 175.161 MeV [16.296 MeV] (A_Yb:225)
168Yb70 + 10 D* --> 154Gd64 + 34S16 + 173.428 MeV [14.563 MeV] (A_Yb:226)
168Yb70 + 10 D* --> 155Gd64 + 33S16 + 168.446 MeV [9.581 MeV] (A_Yb:227)
168Yb70 + 10 D* --> 156Gd64 + 32S16 + 168.340 MeV [9.476 MeV] (A_Yb:228)
168Yb70 + 10 D* --> 158Dy66 + 30Si14 + 164.628 MeV [5.763 MeV] (A_Yb:229)
168Yb70 + 10 D* --> 160Dy66 + 28Si14 + 160.953 MeV [2.089 MeV] (A_Yb:230)
168Yb70 + 10 D* --> 162Er68 + 26Mg12 + 152.340 MeV [-6.525 MeV] (A_Yb:231)
168Yb70 + 10 D* --> 164Er68 + 24Mg12 + 149.666 MeV [-9.199 MeV] (A_Yb:232)
168Yb70 + 10 D* --> 168Yb70 + 20Ne10 + 138.399 MeV [-20.465 MeV] (A_Yb:233)

168Yb70 + 11 D* --> 119Sn50 + 71Ga31 + 243.127 MeV [66.787 MeV] (A_Yb:234)
168Yb70 + 11 D* --> 123Sb51 + 67Zn30 + 240.023 MeV [63.683 MeV] (A_Yb:235)
168Yb70 + 11 D* --> 125Te52 + 65Cu29 + 239.204 MeV [62.864 MeV] (A_Yb:236)
168Yb70 + 11 D* --> 131Xe54 + 59Co27 + 233.562 MeV [57.222 MeV] (A_Yb:237)
168Yb70 + 11 D* --> 133Cs55 + 57Fe26 + 231.169 MeV [54.829 MeV] (A_Yb:238)
168Yb70 + 11 D* --> 135Ba56 + 55Mn25 + 228.479 MeV [52.139 MeV] (A_Yb:239)
168Yb70 + 11 D* --> 138La57 + 52Cr24 + 224.860 MeV [48.520 MeV] (A_Yb:240)
168Yb70 + 11 D* --> 140Ce58 + 50V23 + 220.223 MeV [43.883 MeV] (A_Yb:241)

168Yb70 + 11 D* --> 141Pr59 + 49Ti22 + 217.498 MeV [41.158 MeV] (A_Yb:242)
168Yb70 + 11 D* --> 145Nd60 + 45Sc21 + 205.423 MeV [29.083 MeV] (A_Yb:243)
168Yb70 + 11 D* --> 149Sm62 + 41K19 + 195.619 MeV [19.279 MeV] (A_Yb:244)
168Yb70 + 11 D* --> 150Sm62 + 40K19 + 193.511 MeV [17.171 MeV] (A_Yb:245)
168Yb70 + 11 D* --> 155Gd64 + 35Cl17 + 184.009 MeV [7.669 MeV] (A_Yb:246)

168Yb70 + 12 D* --> 96Zr40 + 96Mo42 + 270.287 MeV [76.191 MeV] (A_Yb:247)
168Yb70 + 12 D* --> 96Mo42 + 96Zr40 + 270.287 MeV [76.191 MeV] (A_Yb:248)
168Yb70 + 12 D* --> 98Mo42 + 94Zr40 + 271.433 MeV [77.336 MeV] (A_Yb:249)
168Yb70 + 12 D* --> 100Mo42 + 92Zr40 + 270.692 MeV [76.595 MeV] (A_Yb:250)
168Yb70 + 12 D* --> 104Ru44 + 88Sr38 + 272.065 MeV [77.968 MeV] (A_Yb:251)
168Yb70 + 12 D* --> 106Pd46 + 86Kr36 + 269.222 MeV [75.125 MeV] (A_Yb:252)
168Yb70 + 12 D* --> 108Pd46 + 84Kr36 + 268.009 MeV [73.913 MeV] (A_Yb:253)
168Yb70 + 12 D* --> 110Pd46 + 82Kr36 + 264.993 MeV [70.896 MeV] (A_Yb:254)
168Yb70 + 12 D* --> 110Cd48 + 82Se34 + 264.001 MeV [69.904 MeV] (A_Yb:255)
168Yb70 + 12 D* --> 112Cd48 + 80Se34 + 264.394 MeV [70.298 MeV] (A_Yb:256)
168Yb70 + 12 D* --> 114Cd48 + 78Se34 + 263.101 MeV [69.004 MeV] (A_Yb:257)
168Yb70 + 12 D* --> 116Cd48 + 76Se34 + 260.025 MeV [65.929 MeV] (A_Yb:258)
168Yb70 + 12 D* --> 116Sn50 + 76Ge32 + 260.795 MeV [66.698 MeV] (A_Yb:259)
168Yb70 + 12 D* --> 118Sn50 + 74Ge32 + 261.133 MeV [67.036 MeV] (A_Yb:260)
168Yb70 + 12 D* --> 119Sn50 + 73Ge32 + 257.420 MeV [63.323 MeV] (A_Yb:261)
168Yb70 + 12 D* --> 120Sn50 + 72Ge32 + 259.745 MeV [65.648 MeV] (A_Yb:262)
168Yb70 + 12 D* --> 122Sn50 + 70Ge32 + 256.563 MeV [62.466 MeV] (A_Yb:263)
168Yb70 + 12 D* --> 121Sb51 + 71Ga31 + 255.789 MeV [61.693 MeV] (A_Yb:264)
168Yb70 + 12 D* --> 123Sb51 + 69Ga31 + 254.606 MeV [60.509 MeV] (A_Yb:265)
168Yb70 + 12 D* --> 122Te52 + 70Zn30 + 255.933 MeV [61.836 MeV] (A_Yb:266)
168Yb70 + 12 D* --> 124Te52 + 68Zn30 + 256.586 MeV [62.489 MeV] (A_Yb:267)
168Yb70 + 12 D* --> 125Te52 + 67Zn30 + 252.957 MeV [58.860 MeV] (A_Yb:268)
168Yb70 + 12 D* --> 126Te52 + 66Zn30 + 255.018 MeV [60.921 MeV] (A_Yb:269)
168Yb70 + 12 D* --> 128Te52 + 64Zn30 + 251.050 MeV [56.953 MeV] (A_Yb:270)
168Yb70 + 12 D* --> 127I53 + 65Cu29 + 252.301 MeV [58.204 MeV] (A_Yb:271)
168Yb70 + 12 D* --> 128Xe54 + 64Ni28 + 253.013 MeV [58.917 MeV] (A_Yb:272)
168Yb70 + 12 D* --> 130Xe54 + 62Ni28 + 252.682 MeV [58.585 MeV] (A_Yb:273)
168Yb70 + 12 D* --> 131Xe54 + 61Ni28 + 248.690 MeV [54.593 MeV] (A_Yb:274)
168Yb70 + 12 D* --> 132Xe54 + 60Ni28 + 249.807 MeV [55.710 MeV] (A_Yb:275)
168Yb70 + 12 D* --> 134Xe54 + 58Ni28 + 244.406 MeV [50.309 MeV] (A_Yb:276)
168Yb70 + 12 D* --> 133Cs55 + 59Co27 + 246.353 MeV [52.257 MeV] (A_Yb:277)
168Yb70 + 12 D* --> 134Ba56 + 58Fe26 + 247.157 MeV [53.061 MeV] (A_Yb:278)
168Yb70 + 12 D* --> 135Ba56 + 57Fe26 + 244.085 MeV [49.988 MeV] (A_Yb:279)
168Yb70 + 12 D* --> 136Ba56 + 56Fe26 + 245.546 MeV [51.450 MeV] (A_Yb:280)
168Yb70 + 12 D* --> 138Ba56 + 54Fe26 + 240.568 MeV [46.471 MeV] (A_Yb:281)
168Yb70 + 12 D* --> 138Ce58 + 54Cr24 + 240.555 MeV [46.458 MeV] (A_Yb:282)
168Yb70 + 12 D* --> 140Ce58 + 52Cr24 + 239.554 MeV [45.457 MeV] (A_Yb:283)
168Yb70 + 12 D* --> 142Ce58 + 50Cr24 + 230.852 MeV [36.755 MeV] (A_Yb:284)
168Yb70 + 12 D* --> 141Pr59 + 51V23 + 234.276 MeV [40.180 MeV] (A_Yb:285)
168Yb70 + 12 D* --> 142Nd60 + 50Ti22 + 233.436 MeV [39.339 MeV] (A_Yb:286)
168Yb70 + 12 D* --> 143Nd60 + 49Ti22 + 228.620 MeV [34.523 MeV] (A_Yb:287)
168Yb70 + 12 D* --> 144Nd60 + 48Ti22 + 228.295 MeV [34.198 MeV] (A_Yb:288)
168Yb70 + 12 D* --> 145Nd60 + 47Ti22 + 222.424 MeV [28.327 MeV] (A_Yb:289)
168Yb70 + 12 D* --> 146Nd60 + 46Ti22 + 221.108 MeV [27.012 MeV] (A_Yb:290)
168Yb70 + 12 D* --> 144Sm62 + 48Ca20 + 222.240 MeV [28.143 MeV] (A_Yb:291)
168Yb70 + 12 D* --> 148Sm62 + 44Ca20 + 216.865 MeV [22.768 MeV] (A_Yb:292)
168Yb70 + 12 D* --> 149Sm62 + 43Ca20 + 211.605 MeV [17.508 MeV] (A_Yb:293)
168Yb70 + 12 D* --> 150Sm62 + 42Ca20 + 211.658 MeV [17.562 MeV] (A_Yb:294)

168Yb70 + 12 D* --> 152Sm62 + 40Ca20 + 205.669 MeV [11.572 MeV] (A_Yb:295)
168Yb70 + 12 D* --> 151Eu63 + 41K19 + 206.272 MeV [12.175 MeV] (A_Yb:296)
168Yb70 + 12 D* --> 153Eu63 + 39K19 + 203.234 MeV [9.138 MeV] (A_Yb:297)
168Yb70 + 12 D* --> 152Gd64 + 40Ar18 + 205.808 MeV [11.711 MeV] (A_Yb:298)
168Yb70 + 12 D* --> 154Gd64 + 38Ar18 + 204.482 MeV [10.385 MeV] (A_Yb:299)
168Yb70 + 12 D* --> 156Gd64 + 36Ar18 + 198.828 MeV [4.731 MeV] (A_Yb:300)
168Yb70 + 12 D* --> 156Dy66 + 36S16 + 197.248 MeV [3.151 MeV] (A_Yb:301)
168Yb70 + 12 D* --> 158Dy66 + 34S16 + 196.398 MeV [2.301 MeV] (A_Yb:302)
168Yb70 + 12 D* --> 160Dy66 + 32S16 + 191.748 MeV [-2.349 MeV] (A_Yb:303)
168Yb70 + 12 D* --> 162Er68 + 30Si14 + 186.830 MeV [-7.267 MeV] (A_Yb:304)
168Yb70 + 12 D* --> 164Er68 + 28Si14 + 183.496 MeV [-10.600 MeV] (A_Yb:305)
168Yb70 + 12 D* --> 168Yb70 + 24Mg12 + 171.562 MeV [-22.535 MeV] (A_Yb:306)

170Yb70 + D* --> 157Gd64 + 15N7 + 23.096 MeV [8.596 MeV] (A_Yb:307)
170Yb70 + D* --> 158Gd64 + 14N7 + 20.200 MeV [5.700 MeV] (A_Yb:308)
170Yb70 + D* --> 159Tb65 + 13C6 + 18.781 MeV [4.281 MeV] (A_Yb:309)
170Yb70 + D* --> 161Dy66 + 11B5 + 11.760 MeV [-2.740 MeV] (A_Yb:310)
170Yb70 + D* --> 162Dy66 + 10B5 + 8.503 MeV [-5.997 MeV] (A_Yb:311)
170Yb70 + D* --> 166Er68 + 6Li3 + 3.212 MeV [-11.289 MeV] (A_Yb:312)
170Yb70 + D* --> 171Yb70 + 1H1 + 4.390 MeV [-10.110 MeV] (A_Yb:313)

170Yb70 + 2 D* --> 124Sn50 + 50Ti22 + 105.166 MeV [75.864 MeV] (A_Yb:314)
170Yb70 + 2 D* --> 126Te52 + 48Ca20 + 99.781 MeV [70.480 MeV] (A_Yb:315)
170Yb70 + 2 D* --> 128Te52 + 46Ca20 + 97.630 MeV [68.328 MeV] (A_Yb:316)
170Yb70 + 2 D* --> 130Te52 + 44Ca20 + 94.322 MeV [65.021 MeV] (A_Yb:317)
170Yb70 + 2 D* --> 134Xe54 + 40Ar18 + 88.667 MeV [59.365 MeV] (A_Yb:318)
170Yb70 + 2 D* --> 136Xe54 + 38Ar18 + 86.642 MeV [57.341 MeV] (A_Yb:319)
170Yb70 + 2 D* --> 138Ba56 + 36S16 + 84.428 MeV [55.127 MeV] (A_Yb:320)
170Yb70 + 2 D* --> 148Nd60 + 26Mg12 + 59.130 MeV [29.829 MeV] (A_Yb:321)
170Yb70 + 2 D* --> 150Nd60 + 24Mg12 + 53.126 MeV [23.824 MeV] (A_Yb:322)
170Yb70 + 2 D* --> 152Sm62 + 22Ne10 + 48.296 MeV [18.994 MeV] (A_Yb:323)
170Yb70 + 2 D* --> 154Sm62 + 20Ne10 + 45.006 MeV [15.704 MeV] (A_Yb:324)
170Yb70 + 2 D* --> 156Gd64 + 18O8 + 38.826 MeV [9.525 MeV] (A_Yb:325)
170Yb70 + 2 D* --> 157Gd64 + 17O8 + 37.142 MeV [7.840 MeV] (A_Yb:326)
170Yb70 + 2 D* --> 158Gd64 + 16O8 + 40.936 MeV [11.635 MeV] (A_Yb:327)
170Yb70 + 2 D* --> 159Tb65 + 15N7 + 34.940 MeV [5.639 MeV] (A_Yb:328)
170Yb70 + 2 D* --> 161Dy66 + 13C6 + 30.439 MeV [1.137 MeV] (A_Yb:329)
170Yb70 + 2 D* --> 162Dy66 + 12C6 + 33.689 MeV [4.388 MeV] (A_Yb:330)
170Yb70 + 2 D* --> 170Yb70 + 4He2 + 23.847 MeV [-5.455 MeV] (A_Yb:331)
170Yb70 + 2 D* --> 171Yb70 + 3He2 + 9.883 MeV [-19.418 MeV] (A_Yb:332)
170Yb70 + 2 D* --> 174Hf72 + 21.349 MeV [-7.952 MeV] (A_Yb:333)

170Yb70 + 3 D* --> 136Xe54 + 40K19 + 98.599 MeV [54.197 MeV] (A_Yb:334)
170Yb70 + 3 D* --> 157Gd64 + 19F9 + 50.956 MeV [6.554 MeV] (A_Yb:335)
170Yb70 + 3 D* --> 159Tb65 + 17O8 + 48.986 MeV [4.584 MeV] (A_Yb:336)
170Yb70 + 3 D* --> 161Dy66 + 15N7 + 46.598 MeV [2.196 MeV] (A_Yb:337)
170Yb70 + 3 D* --> 162Dy66 + 14N7 + 43.962 MeV [-0.440 MeV] (A_Yb:338)
170Yb70 + 3 D* --> 166Er68 + 10B5 + 31.519 MeV [-12.883 MeV] (A_Yb:339)
170Yb70 + 3 D* --> 170Yb70 + 6Li3 + 25.320 MeV [-19.082 MeV] (A_Yb:340)
170Yb70 + 3 D* --> 174Hf72 + 2H1 + 21.349 MeV [-23.053 MeV] (A_Yb:341)

170Yb70 + 4 D* --> 96Zr40 + 82Se34 + 154.811 MeV [95.012 MeV] (A_Yb:342)
170Yb70 + 4 D* --> 124Sn50 + 54Cr24 + 136.943 MeV [77.144 MeV] (A_Yb:343)
170Yb70 + 4 D* --> 128Te52 + 50Ti22 + 132.193 MeV [72.394 MeV] (A_Yb:344)

170Yb70 + 4 D* --> 130Te52 + 48Ti22 + 127.613 MeV [67.814 MeV] (A_Yb:345)
170Yb70 + 4 D* --> 130Xe54 + 48Ca20 + 125.870 MeV [66.071 MeV] (A_Yb:346)
170Yb70 + 4 D* --> 132Xe54 + 46Ca20 + 124.189 MeV [64.390 MeV] (A_Yb:347)
170Yb70 + 4 D* --> 134Xe54 + 44Ca20 + 121.367 MeV [61.568 MeV] (A_Yb:348)
170Yb70 + 4 D* --> 136Xe54 + 42Ca20 + 116.746 MeV [56.947 MeV] (A_Yb:349)
170Yb70 + 4 D* --> 138Ba56 + 40Ar18 + 115.075 MeV [55.276 MeV] (A_Yb:350)
170Yb70 + 4 D* --> 142Ce58 + 36S16 + 106.976 MeV [47.177 MeV] (A_Yb:351)
170Yb70 + 4 D* --> 148Nd60 + 30Si14 + 93.620 MeV [33.821 MeV] (A_Yb:352)
170Yb70 + 4 D* --> 150Nd60 + 28Si14 + 86.956 MeV [27.157 MeV] (A_Yb:353)
170Yb70 + 4 D* --> 152Sm62 + 26Mg12 + 82.757 MeV [22.958 MeV] (A_Yb:354)
170Yb70 + 4 D* --> 154Sm62 + 24Mg12 + 78.169 MeV [18.370 MeV] (A_Yb:355)
170Yb70 + 4 D* --> 156Gd64 + 22Ne10 + 72.341 MeV [12.542 MeV] (A_Yb:356)
170Yb70 + 4 D* --> 157Gd64 + 21Ne10 + 68.336 MeV [8.537 MeV] (A_Yb:357)
170Yb70 + 4 D* --> 158Gd64 + 20Ne10 + 69.513 MeV [9.713 MeV] (A_Yb:358)
170Yb70 + 4 D* --> 159Tb65 + 19F9 + 62.800 MeV [3.001 MeV] (A_Yb:359)
170Yb70 + 4 D* --> 160Dy66 + 18O8 + 62.234 MeV [2.434 MeV] (A_Yb:360)
170Yb70 + 4 D* --> 161Dy66 + 17O8 + 60.644 MeV [00.845 MeV] (A_Yb:361)
170Yb70 + 4 D* --> 162Dy66 + 16O8 + 64.698 MeV [4.899 MeV] (A_Yb:362)
170Yb70 + 4 D* --> 166Er68 + 12C6 + 56.706 MeV [-3.094 MeV] (A_Yb:363)
170Yb70 + 4 D* --> 174Hf72 + 4He2 + 45.196 MeV [-14.604 MeV] (A_Yb:364)

170Yb70 + 5 D* --> 130Te52 + 50V23 + 141.483 MeV [65.991 MeV] (A_Yb:365)
170Yb70 + 5 D* --> 157Gd64 + 23Na11 + 85.270 MeV [9.779 MeV] (A_Yb:366)
170Yb70 + 5 D* --> 159Tb65 + 21Ne10 + 80.180 MeV [4.689 MeV] (A_Yb:367)
170Yb70 + 5 D* --> 161Dy66 + 19F9 + 74.458 MeV [-1.033 MeV] (A_Yb:368)
170Yb70 + 5 D* --> 166Er68 + 14N7 + 66.978 MeV [-8.513 MeV] (A_Yb:369)
170Yb70 + 5 D* --> 170Yb70 + 10B5 + 53.628 MeV [-21.863 MeV] (A_Yb:370)
170Yb70 + 5 D* --> 174Hf72 + 6Li3 + 46.669 MeV [-28.822 MeV] (A_Yb:371)

170Yb70 + 6 D* --> 96Zr40 + 86Kr36 + 186.754 MeV [95.278 MeV] (A_Yb:372)
170Yb70 + 6 D* --> 100Mo42 + 82Se34 + 181.824 MeV [90.348 MeV] (A_Yb:373)
170Yb70 + 6 D* --> 124Sn50 + 58Fe26 + 168.436 MeV [76.959 MeV] (A_Yb:374)
170Yb70 + 6 D* --> 128Te52 + 54Cr24 + 163.970 MeV [72.494 MeV] (A_Yb:375)
170Yb70 + 6 D* --> 130Te52 + 52Cr24 + 160.814 MeV [69.338 MeV] (A_Yb:376)
170Yb70 + 6 D* --> 132Xe54 + 50Ti22 + 158.753 MeV [67.276 MeV] (A_Yb:377)
170Yb70 + 6 D* --> 134Xe54 + 48Ti22 + 154.658 MeV [63.181 MeV] (A_Yb:378)
170Yb70 + 6 D* --> 136Xe54 + 46Ti22 + 148.594 MeV [57.118 MeV] (A_Yb:379)
170Yb70 + 6 D* --> 134Ba56 + 48Ca20 + 151.209 MeV [59.733 MeV] (A_Yb:380)
170Yb70 + 6 D* --> 136Ba56 + 46Ca20 + 150.067 MeV [58.591 MeV] (A_Yb:381)
170Yb70 + 6 D* --> 138Ba56 + 44Ca20 + 147.775 MeV [56.299 MeV] (A_Yb:382)
170Yb70 + 6 D* --> 142Ce58 + 40Ar18 + 137.624 MeV [46.148 MeV] (A_Yb:383)
170Yb70 + 6 D* --> 146Nd60 + 36S16 + 129.640 MeV [38.164 MeV] (A_Yb:384)
170Yb70 + 6 D* --> 148Nd60 + 34S16 + 125.391 MeV [33.914 MeV] (A_Yb:385)
170Yb70 + 6 D* --> 150Nd60 + 32S16 + 117.751 MeV [26.275 MeV] (A_Yb:386)
170Yb70 + 6 D* --> 152Sm62 + 30Si14 + 117.247 MeV [25.771 MeV] (A_Yb:387)
170Yb70 + 6 D* --> 154Sm62 + 28Si14 + 112.000 MeV [20.524 MeV] (A_Yb:388)
170Yb70 + 6 D* --> 156Gd64 + 26Mg12 + 106.802 MeV [15.326 MeV] (A_Yb:389)
170Yb70 + 6 D* --> 157Gd64 + 25Mg12 + 102.069 MeV [10.593 MeV] (A_Yb:390)
170Yb70 + 6 D* --> 158Gd64 + 24Mg12 + 102.676 MeV [11.200 MeV] (A_Yb:391)
170Yb70 + 6 D* --> 159Tb65 + 23Na11 + 97.114 MeV [5.638 MeV] (A_Yb:392)
170Yb70 + 6 D* --> 160Dy66 + 22Ne10 + 95.748 MeV [4.272 MeV] (A_Yb:393)
170Yb70 + 6 D* --> 161Dy66 + 21Ne10 + 91.838 MeV [00.362 MeV] (A_Yb:394)
170Yb70 + 6 D* --> 162Dy66 + 20Ne10 + 93.274 MeV [1.798 MeV] (A_Yb:395)
170Yb70 + 6 D* --> 164Er68 + 18O8 + 84.776 MeV [-6.700 MeV] (A_Yb:396)

170Yb70 + 6 D* --> 166Er68 + 16O8 + 87.714 MeV [-3.762 MeV] (A_Yb:397)
170Yb70 + 6 D* --> 170Yb70 + 12C6 + 78.814 MeV [-12.662 MeV] (A_Yb:398)

170Yb70 + 7 D* --> 134Xe54 + 50V23 + 168.527 MeV [60.775 MeV] (A_Yb:399)
170Yb70 + 7 D* --> 138La57 + 46Ca20 + 160.841 MeV [53.089 MeV] (A_Yb:400)
170Yb70 + 7 D* --> 157Gd64 + 27Al13 + 119.208 MeV [11.457 MeV] (A_Yb:401)
170Yb70 + 7 D* --> 159Tb65 + 25Mg12 + 113.913 MeV [6.161 MeV] (A_Yb:402)
170Yb70 + 7 D* --> 161Dy66 + 23Na11 + 108.772 MeV [1.020 MeV] (A_Yb:403)
170Yb70 + 7 D* --> 170Yb70 + 14N7 + 89.087 MeV [-18.665 MeV] (A_Yb:404)
170Yb70 + 7 D* --> 174Hf72 + 10B5 + 74.977 MeV [-32.775 MeV] (A_Yb:405)

170Yb70 + 8 D* --> 100Mo42 + 86Kr36 + 213.767 MeV [89.450 MeV] (A_Yb:406)
170Yb70 + 8 D* --> 104Ru44 + 82Se34 + 210.000 MeV [85.683 MeV] (A_Yb:407)
170Yb70 + 8 D* --> 110Pd46 + 76Ge32 + 205.879 MeV [81.563 MeV] (A_Yb:408)
170Yb70 + 8 D* --> 116Cd48 + 70Zn30 + 202.601 MeV [78.284 MeV] (A_Yb:409)
170Yb70 + 8 D* --> 122Sn50 + 64Ni28 + 201.362 MeV [77.046 MeV] (A_Yb:410)
170Yb70 + 8 D* --> 124Sn50 + 62Ni28 + 199.300 MeV [74.983 MeV] (A_Yb:411)
170Yb70 + 8 D* --> 128Te52 + 58Fe26 + 195.462 MeV [71.146 MeV] (A_Yb:412)
170Yb70 + 8 D* --> 130Te52 + 56Fe26 + 192.274 MeV [67.957 MeV] (A_Yb:413)
170Yb70 + 8 D* --> 132Xe54 + 54Cr24 + 190.530 MeV [66.213 MeV] (A_Yb:414)
170Yb70 + 8 D* --> 134Xe54 + 52Cr24 + 187.858 MeV [63.542 MeV] (A_Yb:415)
170Yb70 + 8 D* --> 136Xe54 + 50Cr24 + 181.001 MeV [56.685 MeV] (A_Yb:416)
170Yb70 + 8 D* --> 136Ba56 + 50Ti22 + 184.630 MeV [60.314 MeV] (A_Yb:417)
170Yb70 + 8 D* --> 137Ba56 + 49Ti22 + 180.597 MeV [56.280 MeV] (A_Yb:418)
170Yb70 + 8 D* --> 138Ba56 + 48Ti22 + 181.066 MeV [56.750 MeV] (A_Yb:419)
170Yb70 + 8 D* --> 138Ce58 + 48Ca20 + 176.099 MeV [51.783 MeV] (A_Yb:420)
170Yb70 + 8 D* --> 140Ce58 + 46Ca20 + 175.535 MeV [51.219 MeV] (A_Yb:421)
170Yb70 + 8 D* --> 142Ce58 + 44Ca20 + 170.324 MeV [46.007 MeV] (A_Yb:422)
170Yb70 + 8 D* --> 146Nd60 + 40Ar18 + 160.288 MeV [35.971 MeV] (A_Yb:423)
170Yb70 + 8 D* --> 148Nd60 + 38Ar18 + 156.445 MeV [32.128 MeV] (A_Yb:424)
170Yb70 + 8 D* --> 150Nd60 + 36Ar18 + 148.238 MeV [23.921 MeV] (A_Yb:425)
170Yb70 + 8 D* --> 150Sm62 + 36S16 + 152.038 MeV [27.722 MeV] (A_Yb:426)
170Yb70 + 8 D* --> 152Sm62 + 34S16 + 149.017 MeV [24.701 MeV] (A_Yb:427)
170Yb70 + 8 D* --> 154Sm62 + 32S16 + 142.794 MeV [18.478 MeV] (A_Yb:428)
170Yb70 + 8 D* --> 156Gd64 + 30Si14 + 141.292 MeV [16.975 MeV] (A_Yb:429)
170Yb70 + 8 D* --> 157Gd64 + 29Si14 + 137.043 MeV [12.726 MeV] (A_Yb:430)
170Yb70 + 8 D* --> 158Gd64 + 28Si14 + 136.506 MeV [12.190 MeV] (A_Yb:431)
170Yb70 + 8 D* --> 159Tb65 + 27Al13 + 131.053 MeV [6.736 MeV] (A_Yb:432)
170Yb70 + 8 D* --> 160Dy66 + 26Mg12 + 130.209 MeV [5.893 MeV] (A_Yb:433)
170Yb70 + 8 D* --> 161Dy66 + 25Mg12 + 125.571 MeV [1.254 MeV] (A_Yb:434)
170Yb70 + 8 D* --> 162Dy66 + 24Mg12 + 126.437 MeV [2.121 MeV] (A_Yb:435)
170Yb70 + 8 D* --> 164Er68 + 22Ne10 + 118.291 MeV [-6.025 MeV] (A_Yb:436)
170Yb70 + 8 D* --> 166Er68 + 20Ne10 + 116.290 MeV [-8.026 MeV] (A_Yb:437)
170Yb70 + 8 D* --> 168Yb70 + 18O8 + 106.673 MeV [-17.644 MeV] (A_Yb:438)
170Yb70 + 8 D* --> 170Yb70 + 16O8 + 109.823 MeV [-14.494 MeV] (A_Yb:439)
170Yb70 + 8 D* --> 174Hf72 + 12C6 + 100.163 MeV [-24.153 MeV] (A_Yb:440)

170Yb70 + 9 D* --> 137Ba56 + 51V23 + 197.375 MeV [56.207 MeV] (A_Yb:441)
170Yb70 + 9 D* --> 138Ba56 + 50V23 + 194.936 MeV [53.767 MeV] (A_Yb:442)
170Yb70 + 9 D* --> 138La57 + 50Ti22 + 195.404 MeV [54.236 MeV] (A_Yb:443)
170Yb70 + 9 D* --> 139La57 + 49Ti22 + 193.243 MeV [52.074 MeV] (A_Yb:444)
170Yb70 + 9 D* --> 148Nd60 + 40K19 + 168.401 MeV [27.233 MeV] (A_Yb:445)
170Yb70 + 9 D* --> 157Gd64 + 31P15 + 152.724 MeV [11.556 MeV] (A_Yb:446)
170Yb70 + 9 D* --> 159Tb65 + 29Si14 + 148.887 MeV [7.718 MeV] (A_Yb:447)

170Yb70 + 9 D* --> 161Dy66 + 27Al13 + 142.710 MeV [1.542 MeV] (A_Yb:448)
170Yb70 + 9 D* --> 174Hf72 + 14N7 + 110.436 MeV [-30.732 MeV] (A_Yb:449)

170Yb70 + 10 D* --> 96Zr40 + 94Zr40 + 243.298 MeV [84.993 MeV] (A_Yb:450)
170Yb70 + 10 D* --> 104Ru44 + 86Kr36 + 241.943 MeV [83.638 MeV] (A_Yb:451)
170Yb70 + 10 D* --> 108Pd46 + 82Se34 + 237.707 MeV [79.401 MeV] (A_Yb:452)
170Yb70 + 10 D* --> 110Pd46 + 80Se34 + 236.697 MeV [78.392 MeV] (A_Yb:453)
170Yb70 + 10 D* --> 114Cd48 + 76Ge32 + 233.822 MeV [75.517 MeV] (A_Yb:454)
170Yb70 + 10 D* --> 116Cd48 + 74Ge32 + 232.730 MeV [74.425 MeV] (A_Yb:455)
170Yb70 + 10 D* --> 120Sn50 + 70Zn30 + 231.258 MeV [72.953 MeV] (A_Yb:456)
170Yb70 + 10 D* --> 122Sn50 + 68Zn30 + 230.541 MeV [72.236 MeV] (A_Yb:457)
170Yb70 + 10 D* --> 124Sn50 + 66Zn30 + 227.724 MeV [69.419 MeV] (A_Yb:458)
170Yb70 + 10 D* --> 126Te52 + 64Ni28 + 227.752 MeV [69.447 MeV] (A_Yb:459)
170Yb70 + 10 D* --> 128Te52 + 62Ni28 + 226.326 MeV [68.021 MeV] (A_Yb:460)
170Yb70 + 10 D* --> 130Te52 + 60Ni28 + 222.412 MeV [64.107 MeV] (A_Yb:461)
170Yb70 + 10 D* --> 132Xe54 + 58Fe26 + 222.022 MeV [63.717 MeV] (A_Yb:462)
170Yb70 + 10 D* --> 134Xe54 + 56Fe26 + 219.318 MeV [61.013 MeV] (A_Yb:463)
170Yb70 + 10 D* --> 136Xe54 + 54Fe26 + 213.266 MeV [54.961 MeV] (A_Yb:464)
170Yb70 + 10 D* --> 136Ba56 + 54Cr24 + 216.408 MeV [58.103 MeV] (A_Yb:465)
170Yb70 + 10 D* --> 137Ba56 + 53Cr24 + 213.594 MeV [55.289 MeV] (A_Yb:466)
170Yb70 + 10 D* --> 138Ba56 + 52Cr24 + 214.267 MeV [55.962 MeV] (A_Yb:467)
170Yb70 + 10 D* --> 139La57 + 51V23 + 210.021 MeV [51.716 MeV] (A_Yb:468)
170Yb70 + 10 D* --> 140Ce58 + 50Ti22 + 210.098 MeV [51.793 MeV] (A_Yb:469)
170Yb70 + 10 D* --> 142Ce58 + 48Ti22 + 203.614 MeV [45.309 MeV] (A_Yb:470)
170Yb70 + 10 D* --> 142Nd60 + 48Ca20 + 200.758 MeV [42.452 MeV] (A_Yb:471)
170Yb70 + 10 D* --> 144Nd60 + 46Ca20 + 197.477 MeV [39.171 MeV] (A_Yb:472)
170Yb70 + 10 D* --> 146Nd60 + 44Ca20 + 192.988 MeV [34.683 MeV] (A_Yb:473)
170Yb70 + 10 D* --> 148Nd60 + 42Ca20 + 186.549 MeV [28.244 MeV] (A_Yb:474)
170Yb70 + 10 D* --> 150Nd60 + 40Ca20 + 179.124 MeV [20.819 MeV] (A_Yb:475)
170Yb70 + 10 D* --> 150Sm62 + 40Ar18 + 182.685 MeV [24.380 MeV] (A_Yb:476)
170Yb70 + 10 D* --> 152Sm62 + 38Ar18 + 180.072 MeV [21.766 MeV] (A_Yb:477)
170Yb70 + 10 D* --> 154Sm62 + 36Ar18 + 173.281 MeV [14.976 MeV] (A_Yb:478)
170Yb70 + 10 D* --> 153Eu63 + 37Cl17 + 175.723 MeV [17.418 MeV] (A_Yb:479)
170Yb70 + 10 D* --> 154Gd64 + 36S16 + 174.966 MeV [16.660 MeV] (A_Yb:480)
170Yb70 + 10 D* --> 156Gd64 + 34S16 + 173.062 MeV [14.757 MeV] (A_Yb:481)
170Yb70 + 10 D* --> 157Gd64 + 33S16 + 168.005 MeV [9.700 MeV] (A_Yb:482)
170Yb70 + 10 D* --> 158Gd64 + 32S16 + 167.301 MeV [8.996 MeV] (A_Yb:483)
170Yb70 + 10 D* --> 159Tb65 + 31P15 + 164.568 MeV [6.263 MeV] (A_Yb:484)
170Yb70 + 10 D* --> 160Dy66 + 30Si14 + 164.699 MeV [6.394 MeV] (A_Yb:485)
170Yb70 + 10 D* --> 161Dy66 + 29Si14 + 160.544 MeV [2.239 MeV] (A_Yb:486)
170Yb70 + 10 D* --> 162Dy66 + 28Si14 + 160.268 MeV [1.963 MeV] (A_Yb:487)
170Yb70 + 10 D* --> 164Er68 + 26Mg12 + 152.752 MeV [-5.553 MeV] (A_Yb:488)
170Yb70 + 10 D* --> 166Er68 + 24Mg12 + 149.453 MeV [-8.852 MeV] (A_Yb:489)
170Yb70 + 10 D* --> 168Yb70 + 22Ne10 + 140.188 MeV [-18.118 MeV] (A_Yb:490)
170Yb70 + 10 D* --> 170Yb70 + 20Ne10 + 138.399 MeV [-19.906 MeV] (A_Yb:491)
170Yb70 + 10 D* --> 174Hf72 + 16O8 + 131.172 MeV [-27.133 MeV] (A_Yb:492)

170Yb70 + 11 D* --> 137Ba56 + 55Mn25 + 229.156 MeV [53.430 MeV] (A_Yb:493)
170Yb70 + 11 D* --> 138La57 + 54Cr24 + 227.181 MeV [51.456 MeV] (A_Yb:494)
170Yb70 + 11 D* --> 139La57 + 53Cr24 + 226.240 MeV [50.515 MeV] (A_Yb:495)
170Yb70 + 11 D* --> 142Ce58 + 50V23 + 217.484 MeV [41.759 MeV] (A_Yb:496)
170Yb70 + 11 D* --> 152Sm62 + 40K19 + 192.028 MeV [16.302 MeV] (A_Yb:497)
170Yb70 + 11 D* --> 155Gd64 + 37Cl17 + 187.563 MeV [11.837 MeV] (A_Yb:498)
170Yb70 + 11 D* --> 157Gd64 + 35Cl17 + 183.568 MeV [7.843 MeV] (A_Yb:499)

170Yb70 + 11 D* --> 159Tb65 + 33S16 + 179.849 MeV [4.124 MeV] (A_Yb:500)
170Yb70 + 11 D* --> 161Dy66 + 31P15 + 176.226 MeV [00.501 MeV] (A_Yb:501)

170Yb70 + 12 D* --> 98Mo42 + 96Zr40 + 270.414 MeV [76.987 MeV] (A_Yb:502)
170Yb70 + 12 D* --> 100Mo42 + 94Zr40 + 270.311 MeV [76.883 MeV] (A_Yb:503)
170Yb70 + 12 D* --> 108Pd46 + 86Kr36 + 269.650 MeV [76.222 MeV] (A_Yb:504)
170Yb70 + 12 D* --> 110Pd46 + 84Kr36 + 267.640 MeV [74.212 MeV] (A_Yb:505)
170Yb70 + 12 D* --> 112Cd48 + 82Se34 + 265.034 MeV [71.607 MeV] (A_Yb:506)
170Yb70 + 12 D* --> 114Cd48 + 80Se34 + 264.641 MeV [71.213 MeV] (A_Yb:507)
170Yb70 + 12 D* --> 116Cd48 + 78Se34 + 262.605 MeV [69.178 MeV] (A_Yb:508)
170Yb70 + 12 D* --> 118Sn50 + 76Ge32 + 261.729 MeV [68.301 MeV] (A_Yb:509)
170Yb70 + 12 D* --> 120Sn50 + 74Ge32 + 261.387 MeV [67.960 MeV] (A_Yb:510)
170Yb70 + 12 D* --> 122Sn50 + 72Ge32 + 259.392 MeV [65.964 MeV] (A_Yb:511)
170Yb70 + 12 D* --> 124Sn50 + 70Ge32 + 255.660 MeV [62.232 MeV] (A_Yb:512)
170Yb70 + 12 D* --> 123Sb51 + 71Ga31 + 256.224 MeV [62.797 MeV] (A_Yb:513)
170Yb70 + 12 D* --> 124Te52 + 70Zn30 + 256.949 MeV [63.521 MeV] (A_Yb:514)
170Yb70 + 12 D* --> 126Te52 + 68Zn30 + 256.932 MeV [63.504 MeV] (A_Yb:515)
170Yb70 + 12 D* --> 128Te52 + 66Zn30 + 254.751 MeV [61.324 MeV] (A_Yb:516)
170Yb70 + 12 D* --> 130Te52 + 64Zn30 + 250.215 MeV [56.787 MeV] (A_Yb:517)
170Yb70 + 12 D* --> 130Xe54 + 64Ni28 + 253.841 MeV [60.413 MeV] (A_Yb:518)
170Yb70 + 12 D* --> 132Xe54 + 62Ni28 + 252.886 MeV [59.459 MeV] (A_Yb:519)
170Yb70 + 12 D* --> 134Xe54 + 60Ni28 + 249.456 MeV [56.029 MeV] (A_Yb:520)
170Yb70 + 12 D* --> 136Xe54 + 58Ni28 + 243.513 MeV [50.085 MeV] (A_Yb:521)
170Yb70 + 12 D* --> 136Ba56 + 58Fe26 + 247.900 MeV [54.473 MeV] (A_Yb:522)
170Yb70 + 12 D* --> 137Ba56 + 57Fe26 + 244.761 MeV [51.334 MeV] (A_Yb:523)
170Yb70 + 12 D* --> 138Ba56 + 56Fe26 + 245.727 MeV [52.299 MeV] (A_Yb:524)
170Yb70 + 12 D* --> 139La57 + 55Mn25 + 241.802 MeV [48.374 MeV] (A_Yb:525)
170Yb70 + 12 D* --> 140Ce58 + 54Cr24 + 241.876 MeV [48.448 MeV] (A_Yb:526)
170Yb70 + 12 D* --> 142Ce58 + 52Cr24 + 236.815 MeV [43.388 MeV] (A_Yb:527)
170Yb70 + 12 D* --> 144Nd60 + 50Ti22 + 232.040 MeV [38.612 MeV] (A_Yb:528)
170Yb70 + 12 D* --> 145Nd60 + 49Ti22 + 226.856 MeV [33.428 MeV] (A_Yb:529)
170Yb70 + 12 D* --> 146Nd60 + 48Ti22 + 226.278 MeV [32.851 MeV] (A_Yb:530)
170Yb70 + 12 D* --> 148Nd60 + 46Ti22 + 218.397 MeV [24.969 MeV] (A_Yb:531)
170Yb70 + 12 D* --> 148Sm62 + 46Ca20 + 219.337 MeV [25.909 MeV] (A_Yb:532)
170Yb70 + 12 D* --> 150Sm62 + 44Ca20 + 215.386 MeV [21.958 MeV] (A_Yb:533)
170Yb70 + 12 D* --> 152Sm62 + 42Ca20 + 210.176 MeV [16.748 MeV] (A_Yb:534)
170Yb70 + 12 D* --> 154Sm62 + 40Ca20 + 204.168 MeV [10.740 MeV] (A_Yb:535)
170Yb70 + 12 D* --> 153Eu63 + 41K19 + 205.792 MeV [12.365 MeV] (A_Yb:536)
170Yb70 + 12 D* --> 154Gd64 + 40Ar18 + 205.613 MeV [12.185 MeV] (A_Yb:537)
170Yb70 + 12 D* --> 156Gd64 + 38Ar18 + 204.116 MeV [10.689 MeV] (A_Yb:538)
170Yb70 + 12 D* --> 158Gd64 + 36Ar18 + 197.788 MeV [4.361 MeV] (A_Yb:539)
170Yb70 + 12 D* --> 159Tb65 + 35Cl17 + 195.412 MeV [1.985 MeV] (A_Yb:540)
170Yb70 + 12 D* --> 158Dy66 + 36S16 + 197.936 MeV [4.508 MeV] (A_Yb:541)
170Yb70 + 12 D* --> 160Dy66 + 34S16 + 196.470 MeV [3.042 MeV] (A_Yb:542)
170Yb70 + 12 D* --> 161Dy66 + 33S16 + 191.507 MeV [-1.921 MeV] (A_Yb:543)
170Yb70 + 12 D* --> 162Dy66 + 32S16 + 191.062 MeV [-2.365 MeV] (A_Yb:544)
170Yb70 + 12 D* --> 164Er68 + 30Si14 + 187.242 MeV [-6.185 MeV] (A_Yb:545)
170Yb70 + 12 D* --> 166Er68 + 28Si14 + 183.284 MeV [-10.143 MeV] (A_Yb:546)
170Yb70 + 12 D* --> 168Yb70 + 26Mg12 + 174.649 MeV [-18.779 MeV] (A_Yb:547)
170Yb70 + 12 D* --> 170Yb70 + 24Mg12 + 171.562 MeV [-21.865 MeV] (A_Yb:548)
170Yb70 + 12 D* --> 174Hf72 + 20Ne10 + 159.748 MeV [-33.679 MeV] (A_Yb:549)

171Yb70 + D* --> 136Xe54 + 37Cl17 + 72.010 MeV [57.538 MeV] (A_Yb:550)
171Yb70 + D* --> 150Nd60 + 23Na11 + 37.043 MeV [22.571 MeV] (A_Yb:551)

171Yb70 + D* --> 154Sm62 + 19F9 + 27.773 MeV [13.300 MeV] (A_Yb:552)
171Yb70 + D* --> 158Gd64 + 15N7 + 24.419 MeV [9.947 MeV] (A_Yb:553)
171Yb70 + D* --> 162Dy66 + 11B5 + 13.342 MeV [-1.130 MeV] (A_Yb:554)
171Yb70 + D* --> 163Dy66 + 10B5 + 8.159 MeV [-6.313 MeV] (A_Yb:555)
171Yb70 + D* --> 166Er68 + 7Li3 + 3.847 MeV [-10.625 MeV] (A_Yb:556)
171Yb70 + D* --> 167Er68 + 6Li3 + 3.034 MeV [-11.439 MeV] (A_Yb:557)
171Yb70 + D* --> 169Tm69 + 4He2 + 12.679 MeV [-1.794 MeV] (A_Yb:558)
171Yb70 + D* --> 172Yb70 + 1H1 + 5.795 MeV [-8.677 MeV] (A_Yb:559)

171Yb70 + 2 D* --> 150Nd60 + 25Mg12 + 53.842 MeV [24.596 MeV] (A_Yb:560)
171Yb70 + 2 D* --> 154Sm62 + 21Ne10 + 45.153 MeV [15.907 MeV] (A_Yb:561)
171Yb70 + 2 D* --> 157Gd64 + 18O8 + 38.572 MeV [9.326 MeV] (A_Yb:562)
171Yb70 + 2 D* --> 158Gd64 + 17O8 + 38.465 MeV [9.219 MeV] (A_Yb:563)
171Yb70 + 2 D* --> 162Dy66 + 13C6 + 32.021 MeV [2.775 MeV] (A_Yb:564)
171Yb70 + 2 D* --> 163Dy66 + 12C6 + 33.346 MeV [4.100 MeV] (A_Yb:565)
171Yb70 + 2 D* --> 165Ho67 + 10B5 + 19.813 MeV [-9.433 MeV] (A_Yb:566)
171Yb70 + 2 D* --> 166Er68 + 9Be4 + 20.543 MeV [-8.702 MeV] (A_Yb:567)
171Yb70 + 2 D* --> 169Tm69 + 6Li3 + 14.152 MeV [-15.093 MeV] (A_Yb:568)
171Yb70 + 2 D* --> 171Yb70 + 4He2 + 23.847 MeV [-5.399 MeV] (A_Yb:569)
171Yb70 + 2 D* --> 172Yb70 + 3He2 + 11.288 MeV [-17.957 MeV] (A_Yb:570)

171Yb70 + 3 D* --> 136Xe54 + 41K19 + 102.079 MeV [57.761 MeV] (A_Yb:571)
171Yb70 + 3 D* --> 150Nd60 + 27Al13 + 70.981 MeV [26.663 MeV] (A_Yb:572)
171Yb70 + 3 D* --> 154Sm62 + 23Na11 + 62.086 MeV [17.768 MeV] (A_Yb:573)
171Yb70 + 3 D* --> 158Gd64 + 19F9 + 52.279 MeV [7.961 MeV] (A_Yb:574)
171Yb70 + 3 D* --> 159Tb65 + 18O8 + 50.416 MeV [6.097 MeV] (A_Yb:575)
171Yb70 + 3 D* --> 162Dy66 + 15N7 + 48.180 MeV [3.862 MeV] (A_Yb:576)
171Yb70 + 3 D* --> 163Dy66 + 14N7 + 43.618 MeV [-0.700 MeV] (A_Yb:577)
171Yb70 + 3 D* --> 165Ho67 + 12C6 + 45.000 MeV [00.681 MeV] (A_Yb:578)
171Yb70 + 3 D* --> 166Er68 + 11B5 + 36.359 MeV [-7.959 MeV] (A_Yb:579)
171Yb70 + 3 D* --> 167Er68 + 10B5 + 31.341 MeV [-12.977 MeV] (A_Yb:580)
171Yb70 + 3 D* --> 170Yb70 + 7Li3 + 25.956 MeV [-18.362 MeV] (A_Yb:581)
171Yb70 + 3 D* --> 171Yb70 + 6Li3 + 25.320 MeV [-18.998 MeV] (A_Yb:582)
171Yb70 + 3 D* --> 176Hf72 + 1H1 + 27.384 MeV [-16.935 MeV] (A_Yb:583)

171Yb70 + 4 D* --> 130Te52 + 49Ti22 + 129.141 MeV [69.453 MeV] (A_Yb:584)
171Yb70 + 4 D* --> 131Xe54 + 48Ca20 + 125.860 MeV [66.172 MeV] (A_Yb:585)
171Yb70 + 4 D* --> 136Xe54 + 43Ca20 + 118.065 MeV [58.377 MeV] (A_Yb:586)
171Yb70 + 4 D* --> 150Nd60 + 29Si14 + 88.815 MeV [29.128 MeV] (A_Yb:587)
171Yb70 + 4 D* --> 154Sm62 + 25Mg12 + 78.885 MeV [19.198 MeV] (A_Yb:588)
171Yb70 + 4 D* --> 157Gd64 + 22Ne10 + 72.086 MeV [12.399 MeV] (A_Yb:589)
171Yb70 + 4 D* --> 158Gd64 + 21Ne10 + 69.659 MeV [9.972 MeV] (A_Yb:590)
171Yb70 + 4 D* --> 161Dy66 + 18O8 + 62.073 MeV [2.386 MeV] (A_Yb:591)
171Yb70 + 4 D* --> 162Dy66 + 17O8 + 62.226 MeV [2.539 MeV] (A_Yb:592)
171Yb70 + 4 D* --> 163Dy66 + 16O8 + 64.354 MeV [4.667 MeV] (A_Yb:593)
171Yb70 + 4 D* --> 165Ho67 + 14N7 + 55.272 MeV [-4.416 MeV] (A_Yb:594)
171Yb70 + 4 D* --> 166Er68 + 13C6 + 55.037 MeV [-4.650 MeV] (A_Yb:595)
171Yb70 + 4 D* --> 167Er68 + 12C6 + 56.527 MeV [-3.160 MeV] (A_Yb:596)
171Yb70 + 4 D* --> 169Tm69 + 10B5 + 42.460 MeV [-17.228 MeV] (A_Yb:597)
171Yb70 + 4 D* --> 170Yb70 + 9Be4 + 42.652 MeV [-17.036 MeV] (A_Yb:598)
171Yb70 + 4 D* --> 176Hf72 + 3He2 + 32.877 MeV [-26.811 MeV] (A_Yb:599)

171Yb70 + 5 D* --> 130Te52 + 51V23 + 145.919 MeV [70.567 MeV] (A_Yb:600)
171Yb70 + 5 D* --> 136Xe54 + 45Sc21 + 133.859 MeV [58.507 MeV] (A_Yb:601)

171Yb70 + 5 D* --> 133Cs55 + 48Ca20 + 138.652 MeV [63.300 MeV] (A_Yb:602)
171Yb70 + 5 D* --> 150Nd60 + 31P15 + 104.497 MeV [29.145 MeV] (A_Yb:603)
171Yb70 + 5 D* --> 154Sm62 + 27Al13 + 96.025 MeV [20.673 MeV] (A_Yb:604)
171Yb70 + 5 D* --> 158Gd64 + 23Na11 + 86.593 MeV [11.241 MeV] (A_Yb:605)
171Yb70 + 5 D* --> 159Tb65 + 22Ne10 + 83.930 MeV [8.578 MeV] (A_Yb:606)
171Yb70 + 5 D* --> 162Dy66 + 19F9 + 76.041 MeV [00.689 MeV] (A_Yb:607)
171Yb70 + 5 D* --> 165Ho67 + 16O8 + 76.008 MeV [00.656 MeV] (A_Yb:608)
171Yb70 + 5 D* --> 166Er68 + 15N7 + 71.197 MeV [-4.155 MeV] (A_Yb:609)
171Yb70 + 5 D* --> 167Er68 + 14N7 + 66.800 MeV [-8.552 MeV] (A_Yb:610)
171Yb70 + 5 D* --> 169Tm69 + 12C6 + 67.646 MeV [-7.706 MeV] (A_Yb:611)
171Yb70 + 5 D* --> 170Yb70 + 11B5 + 58.468 MeV [-16.884 MeV] (A_Yb:612)
171Yb70 + 5 D* --> 171Yb70 + 10B5 + 53.628 MeV [-21.724 MeV] (A_Yb:613)
171Yb70 + 5 D* --> 174Hf72 + 7Li3 + 47.305 MeV [-28.047 MeV] (A_Yb:614)
171Yb70 + 5 D* --> 180W74 + 1H1 + 48.722 MeV [-26.630 MeV] (A_Yb:615)

171Yb70 + 6 D* --> 130Te52 + 53Cr24 + 162.138 MeV [70.829 MeV] (A_Yb:616)
171Yb70 + 6 D* --> 134Xe54 + 49Ti22 + 156.185 MeV [64.876 MeV] (A_Yb:617)
171Yb70 + 6 D* --> 136Xe54 + 47Ti22 + 150.860 MeV [59.551 MeV] (A_Yb:618)
171Yb70 + 6 D* --> 135Ba56 + 48Ca20 + 151.567 MeV [60.258 MeV] (A_Yb:619)
171Yb70 + 6 D* --> 137Ba56 + 46Ca20 + 150.359 MeV [59.049 MeV] (A_Yb:620)
171Yb70 + 6 D* --> 150Nd60 + 33S16 + 119.778 MeV [28.469 MeV] (A_Yb:621)
171Yb70 + 6 D* --> 154Sm62 + 29Si14 + 113.859 MeV [22.550 MeV] (A_Yb:622)
171Yb70 + 6 D* --> 157Gd64 + 26Mg12 + 106.547 MeV [15.238 MeV] (A_Yb:623)
171Yb70 + 6 D* --> 158Gd64 + 25Mg12 + 103.392 MeV [12.083 MeV] (A_Yb:624)
171Yb70 + 6 D* --> 161Dy66 + 22Ne10 + 95.588 MeV [4.279 MeV] (A_Yb:625)
171Yb70 + 6 D* --> 162Dy66 + 21Ne10 + 93.421 MeV [2.112 MeV] (A_Yb:626)
171Yb70 + 6 D* --> 163Dy66 + 20Ne10 + 92.931 MeV [1.621 MeV] (A_Yb:627)
171Yb70 + 6 D* --> 166Er68 + 17O8 + 85.243 MeV [-6.067 MeV] (A_Yb:628)
171Yb70 + 6 D* --> 167Er68 + 16O8 + 87.536 MeV [-3.773 MeV] (A_Yb:629)
171Yb70 + 6 D* --> 169Tm69 + 14N7 + 77.919 MeV [-13.390 MeV] (A_Yb:630)
171Yb70 + 6 D* --> 170Yb70 + 13C6 + 77.146 MeV [-14.163 MeV] (A_Yb:631)
171Yb70 + 6 D* --> 171Yb70 + 12C6 + 78.814 MeV [-12.495 MeV] (A_Yb:632)
171Yb70 + 6 D* --> 174Hf72 + 9Be4 + 64.001 MeV [-27.308 MeV] (A_Yb:633)
171Yb70 + 6 D* --> 180W74 + 3He2 + 54.215 MeV [-37.094 MeV] (A_Yb:634)

171Yb70 + 7 D* --> 130Te52 + 55Mn25 + 177.700 MeV [70.143 MeV] (A_Yb:635)
171Yb70 + 7 D* --> 134Xe54 + 51V23 + 172.964 MeV [65.406 MeV] (A_Yb:636)
171Yb70 + 7 D* --> 139La57 + 46Ca20 + 163.004 MeV [55.447 MeV] (A_Yb:637)
171Yb70 + 7 D* --> 148Nd60 + 37Cl17 + 141.813 MeV [34.255 MeV] (A_Yb:638)
171Yb70 + 7 D* --> 150Nd60 + 35Cl17 + 135.341 MeV [27.784 MeV] (A_Yb:639)
171Yb70 + 7 D* --> 154Sm62 + 31P15 + 129.540 MeV [21.983 MeV] (A_Yb:640)
171Yb70 + 7 D* --> 158Gd64 + 27Al13 + 120.531 MeV [12.974 MeV] (A_Yb:641)
171Yb70 + 7 D* --> 159Tb65 + 26Mg12 + 118.392 MeV [10.834 MeV] (A_Yb:642)
171Yb70 + 7 D* --> 162Dy66 + 23Na11 + 110.355 MeV [2.797 MeV] (A_Yb:643)
171Yb70 + 7 D* --> 165Ho67 + 20Ne10 + 104.584 MeV [-2.973 MeV] (A_Yb:644)
171Yb70 + 7 D* --> 166Er68 + 19F9 + 99.057 MeV [-8.500 MeV] (A_Yb:645)
171Yb70 + 7 D* --> 169Tm69 + 16O8 + 98.655 MeV [-8.902 MeV] (A_Yb:646)
171Yb70 + 7 D* --> 170Yb70 + 15N7 + 93.305 MeV [-14.252 MeV] (A_Yb:647)
171Yb70 + 7 D* --> 171Yb70 + 14N7 + 89.087 MeV [-18.471 MeV] (A_Yb:648)
171Yb70 + 7 D* --> 174Hf72 + 11B5 + 79.817 MeV [-27.741 MeV] (A_Yb:649)
171Yb70 + 7 D* --> 184Os76 + 1H1 + 69.605 MeV [-37.952 MeV] (A_Yb:650)

171Yb70 + 8 D* --> 130Te52 + 57Fe26 + 193.305 MeV [69.211 MeV] (A_Yb:651)
171Yb70 + 8 D* --> 134Xe54 + 53Cr24 + 189.183 MeV [65.088 MeV] (A_Yb:652)

171Yb70 + 8 D* --> 137Ba56 + 50Ti22 + 184.922 MeV [60.827 MeV] (A_Yb:653)
171Yb70 + 8 D* --> 138Ba56 + 49Ti22 + 182.594 MeV [58.500 MeV] (A_Yb:654)
171Yb70 + 8 D* --> 154Sm62 + 33S16 + 144.821 MeV [20.727 MeV] (A_Yb:655)
171Yb70 + 8 D* --> 157Gd64 + 30Si14 + 141.037 MeV [16.943 MeV] (A_Yb:656)
171Yb70 + 8 D* --> 158Gd64 + 29Si14 + 138.365 MeV [14.271 MeV] (A_Yb:657)
171Yb70 + 8 D* --> 161Dy66 + 26Mg12 + 130.049 MeV [5.955 MeV] (A_Yb:658)
171Yb70 + 8 D* --> 162Dy66 + 25Mg12 + 127.153 MeV [3.059 MeV] (A_Yb:659)
171Yb70 + 8 D* --> 163Dy66 + 24Mg12 + 126.094 MeV [1.999 MeV] (A_Yb:660)
171Yb70 + 8 D* --> 166Er68 + 21Ne10 + 116.437 MeV [-7.658 MeV] (A_Yb:661)
171Yb70 + 8 D* --> 167Er68 + 20Ne10 + 116.112 MeV [-7.982 MeV] (A_Yb:662)
171Yb70 + 8 D* --> 170Yb70 + 17O8 + 107.351 MeV [-16.743 MeV] (A_Yb:663)
171Yb70 + 8 D* --> 171Yb70 + 16O8 + 109.823 MeV [-14.272 MeV] (A_Yb:664)
171Yb70 + 8 D* --> 174Hf72 + 13C6 + 98.495 MeV [-25.599 MeV] (A_Yb:665)
171Yb70 + 8 D* --> 184Os76 + 3He2 + 75.099 MeV [-48.996 MeV] (A_Yb:666)

171Yb70 + 9 D* --> 124Sn50 + 65Cu29 + 214.410 MeV [73.491 MeV] (A_Yb:667)
171Yb70 + 9 D* --> 130Te52 + 59Co27 + 208.489 MeV [67.570 MeV] (A_Yb:668)
171Yb70 + 9 D* --> 134Xe54 + 55Mn25 + 204.744 MeV [63.826 MeV] (A_Yb:669)
171Yb70 + 9 D* --> 138Ba56 + 51V23 + 199.372 MeV [58.454 MeV] (A_Yb:670)
171Yb70 + 9 D* --> 139La57 + 50Ti22 + 197.567 MeV [56.649 MeV] (A_Yb:671)
171Yb70 + 9 D* --> 141Pr59 + 48Ca20 + 189.144 MeV [48.226 MeV] (A_Yb:672)
171Yb70 + 9 D* --> 148Nd60 + 41K19 + 171.882 MeV [30.963 MeV] (A_Yb:673)
171Yb70 + 9 D* --> 150Nd60 + 39K19 + 166.406 MeV [25.487 MeV] (A_Yb:674)
171Yb70 + 9 D* --> 152Sm62 + 37Cl17 + 165.440 MeV [24.521 MeV] (A_Yb:675)
171Yb70 + 9 D* --> 154Sm62 + 35Cl17 + 160.384 MeV [19.466 MeV] (A_Yb:676)
171Yb70 + 9 D* --> 153Eu63 + 36S16 + 162.947 MeV [22.028 MeV] (A_Yb:677)
171Yb70 + 9 D* --> 158Gd64 + 31P15 + 154.047 MeV [13.128 MeV] (A_Yb:678)
171Yb70 + 9 D* --> 159Tb65 + 30Si14 + 152.881 MeV [11.963 MeV] (A_Yb:679)
171Yb70 + 9 D* --> 162Dy66 + 27Al13 + 144.293 MeV [3.374 MeV] (A_Yb:680)
171Yb70 + 9 D* --> 165Ho67 + 24Mg12 + 137.748 MeV [-3.171 MeV] (A_Yb:681)
171Yb70 + 9 D* --> 166Er68 + 23Na11 + 133.371 MeV [-7.548 MeV] (A_Yb:682)
171Yb70 + 9 D* --> 169Tm69 + 20Ne10 + 127.231 MeV [-13.688 MeV] (A_Yb:683)
171Yb70 + 9 D* --> 170Yb70 + 19F9 + 121.166 MeV [-19.753 MeV] (A_Yb:684)
171Yb70 + 9 D* --> 174Hf72 + 15N7 + 114.655 MeV [-26.264 MeV] (A_Yb:685)

171Yb70 + 10 D* --> 124Sn50 + 67Zn30 + 228.162 MeV [70.134 MeV] (A_Yb:686)
171Yb70 + 10 D* --> 130Te52 + 61Ni28 + 223.617 MeV [65.589 MeV] (A_Yb:687)
171Yb70 + 10 D* --> 134Xe54 + 57Fe26 + 220.350 MeV [62.321 MeV] (A_Yb:688)
171Yb70 + 10 D* --> 137Ba56 + 54Cr24 + 216.699 MeV [58.670 MeV] (A_Yb:689)
171Yb70 + 10 D* --> 138Ba56 + 53Cr24 + 215.591 MeV [57.563 MeV] (A_Yb:690)
171Yb70 + 10 D* --> 142Ce58 + 49Ti22 + 205.142 MeV [47.114 MeV] (A_Yb:691)
171Yb70 + 10 D* --> 143Nd60 + 48Ca20 + 200.267 MeV [42.238 MeV] (A_Yb:692)
171Yb70 + 10 D* --> 145Nd60 + 46Ca20 + 196.617 MeV [38.589 MeV] (A_Yb:693)
171Yb70 + 10 D* --> 148Nd60 + 43Ca20 + 187.867 MeV [29.839 MeV] (A_Yb:694)
171Yb70 + 10 D* --> 155Gd64 + 36S16 + 174.786 MeV [16.758 MeV] (A_Yb:695)
171Yb70 + 10 D* --> 157Gd64 + 34S16 + 172.808 MeV [14.779 MeV] (A_Yb:696)
171Yb70 + 10 D* --> 158Gd64 + 33S16 + 169.328 MeV [11.299 MeV] (A_Yb:697)
171Yb70 + 10 D* --> 161Dy66 + 30Si14 + 164.539 MeV [6.511 MeV] (A_Yb:698)
171Yb70 + 10 D* --> 162Dy66 + 29Si14 + 162.127 MeV [4.099 MeV] (A_Yb:699)
171Yb70 + 10 D* --> 163Dy66 + 28Si14 + 159.924 MeV [1.896 MeV] (A_Yb:700)
171Yb70 + 10 D* --> 166Er68 + 25Mg12 + 150.170 MeV [-7.859 MeV] (A_Yb:701)
171Yb70 + 10 D* --> 167Er68 + 24Mg12 + 149.275 MeV [-8.753 MeV] (A_Yb:702)
171Yb70 + 10 D* --> 170Yb70 + 21Ne10 + 138.546 MeV [-19.483 MeV] (A_Yb:703)
171Yb70 + 10 D* --> 171Yb70 + 20Ne10 + 138.399 MeV [-19.629 MeV] (A_Yb:704)

171Yb70 + 10 D* --> 174Hf72 + 17O8 + 128.701 MeV [-29.328 MeV] (A_Yb:705)

171Yb70 + 11 D* --> 122Sn50 + 71Ga31 + 245.267 MeV [69.846 MeV] (A_Yb:706)
171Yb70 + 11 D* --> 124Sn50 + 69Ga31 + 242.745 MeV [67.324 MeV] (A_Yb:707)
171Yb70 + 11 D* --> 123Sb51 + 70Zn30 + 243.970 MeV [68.548 MeV] (A_Yb:708)
171Yb70 + 11 D* --> 128Te52 + 65Cu29 + 241.437 MeV [66.015 MeV] (A_Yb:709)
171Yb70 + 11 D* --> 130Te52 + 63Cu29 + 238.112 MeV [62.690 MeV] (A_Yb:710)
171Yb70 + 11 D* --> 134Xe54 + 59Co27 + 235.534 MeV [60.112 MeV] (A_Yb:711)
171Yb70 + 11 D* --> 138Ba56 + 55Mn25 + 231.153 MeV [55.732 MeV] (A_Yb:712)
171Yb70 + 11 D* --> 139La57 + 54Cr24 + 229.345 MeV [53.923 MeV] (A_Yb:713)
171Yb70 + 11 D* --> 142Ce58 + 51V23 + 221.921 MeV [46.499 MeV] (A_Yb:714)
171Yb70 + 11 D* --> 148Nd60 + 45Sc21 + 203.662 MeV [28.241 MeV] (A_Yb:715)
171Yb70 + 11 D* --> 152Sm62 + 41K19 + 195.509 MeV [20.087 MeV] (A_Yb:716)
171Yb70 + 11 D* --> 154Sm62 + 39K19 + 191.449 MeV [16.028 MeV] (A_Yb:717)
171Yb70 + 11 D* --> 153Eu63 + 40Ar18 + 193.594 MeV [18.173 MeV] (A_Yb:718)
171Yb70 + 11 D* --> 156Gd64 + 37Cl17 + 189.485 MeV [14.063 MeV] (A_Yb:719)
171Yb70 + 11 D* --> 158Gd64 + 35Cl17 + 184.891 MeV [9.470 MeV] (A_Yb:720)
171Yb70 + 11 D* --> 159Tb65 + 34S16 + 184.652 MeV [9.230 MeV] (A_Yb:721)
171Yb70 + 11 D* --> 162Dy66 + 31P15 + 177.808 MeV [2.387 MeV] (A_Yb:722)
171Yb70 + 11 D* --> 165Ho67 + 28Si14 + 171.578 MeV [-3.843 MeV] (A_Yb:723)
171Yb70 + 11 D* --> 166Er68 + 27Al13 + 167.309 MeV [-8.112 MeV] (A_Yb:724)
171Yb70 + 11 D* --> 169Tm69 + 24Mg12 + 160.394 MeV [-15.027 MeV] (A_Yb:725)
171Yb70 + 11 D* --> 170Yb70 + 23Na11 + 155.480 MeV [-19.942 MeV] (A_Yb:726)
171Yb70 + 11 D* --> 174Hf72 + 19F9 + 142.515 MeV [-32.907 MeV] (A_Yb:727)

171Yb70 + 12 D* --> 113Cd48 + 82Se34 + 264.960 MeV [71.864 MeV] (A_Yb:728)
171Yb70 + 12 D* --> 119Sn50 + 76Ge32 + 261.598 MeV [68.502 MeV] (A_Yb:729)
171Yb70 + 12 D* --> 122Sn50 + 73Ge32 + 259.560 MeV [66.464 MeV] (A_Yb:730)
171Yb70 + 12 D* --> 125Te52 + 70Zn30 + 256.903 MeV [63.807 MeV] (A_Yb:731)
171Yb70 + 12 D* --> 128Te52 + 67Zn30 + 255.189 MeV [62.093 MeV] (A_Yb:732)
171Yb70 + 12 D* --> 131Xe54 + 64Ni28 + 253.831 MeV [60.735 MeV] (A_Yb:733)
171Yb70 + 12 D* --> 134Xe54 + 61Ni28 + 250.662 MeV [57.566 MeV] (A_Yb:734)
171Yb70 + 12 D* --> 137Ba56 + 58Fe26 + 248.191 MeV [55.095 MeV] (A_Yb:735)
171Yb70 + 12 D* --> 138Ba56 + 57Fe26 + 246.758 MeV [53.662 MeV] (A_Yb:736)
171Yb70 + 12 D* --> 142Ce58 + 53Cr24 + 238.140 MeV [45.043 MeV] (A_Yb:737)
171Yb70 + 12 D* --> 145Nd60 + 50Ti22 + 231.180 MeV [38.084 MeV] (A_Yb:738)
171Yb70 + 12 D* --> 146Nd60 + 49Ti22 + 227.806 MeV [34.710 MeV] (A_Yb:739)
171Yb70 + 12 D* --> 148Nd60 + 47Ti22 + 220.662 MeV [27.566 MeV] (A_Yb:740)
171Yb70 + 12 D* --> 147Sm62 + 48Ca20 + 221.803 MeV [28.706 MeV] (A_Yb:741)
171Yb70 + 12 D* --> 149Sm62 + 46Ca20 + 218.594 MeV [25.497 MeV] (A_Yb:742)
171Yb70 + 12 D* --> 152Sm62 + 43Ca20 + 211.494 MeV [18.398 MeV] (A_Yb:743)
171Yb70 + 12 D* --> 155Gd64 + 40Ar18 + 205.434 MeV [12.337 MeV] (A_Yb:744)
171Yb70 + 12 D* --> 157Gd64 + 38Ar18 + 203.862 MeV [10.765 MeV] (A_Yb:745)
171Yb70 + 12 D* --> 161Dy66 + 34S16 + 196.309 MeV [3.213 MeV] (A_Yb:746)
171Yb70 + 12 D* --> 162Dy66 + 33S16 + 193.089 MeV [-0.007 MeV] (A_Yb:747)
171Yb70 + 12 D* --> 163Dy66 + 32S16 + 190.719 MeV [-2.378 MeV] (A_Yb:748)
171Yb70 + 12 D* --> 166Er68 + 29Si14 + 185.143 MeV [-7.953 MeV] (A_Yb:749)
171Yb70 + 12 D* --> 167Er68 + 28Si14 + 183.106 MeV [-9.990 MeV] (A_Yb:750)
171Yb70 + 12 D* --> 170Yb70 + 25Mg12 + 172.278 MeV [-20.818 MeV] (A_Yb:751)
171Yb70 + 12 D* --> 171Yb70 + 24Mg12 + 171.562 MeV [-21.534 MeV] (A_Yb:752)
171Yb70 + 12 D* --> 174Hf72 + 21Ne10 + 159.895 MeV [-33.201 MeV] (A_Yb:753)

172Yb70 + D* --> 160Gd64 + 14N7 + 18.961 MeV [4.516 MeV] (A_Yb:754)
172Yb70 + D* --> 163Dy66 + 11B5 + 11.594 MeV [-2.850 MeV] (A_Yb:755)

172Yb70 + D* --> 164Dy66 + 10B5 + 7.798 MeV [-6.646 MeV] (A_Yb:756)
172Yb70 + D* --> 165Ho67 + 9Be4 + 7.432 MeV [-7.012 MeV] (A_Yb:757)
172Yb70 + D* --> 167Er68 + 7Li3 + 2.264 MeV [-12.180 MeV] (A_Yb:758)
172Yb70 + D* --> 168Er68 + 6Li3 + 2.785 MeV [-11.659 MeV] (A_Yb:759)
172Yb70 + D* --> 173Yb70 + 1H1 + 4.143 MeV [-10.302 MeV] (A_Yb:760)

172Yb70 + 2 D* --> 128Te52 + 48Ca20 + 100.217 MeV [71.027 MeV] (A_Yb:761)
172Yb70 + 2 D* --> 130Te52 + 46Ca20 + 97.498 MeV [68.307 MeV] (A_Yb:762)
172Yb70 + 2 D* --> 136Xe54 + 40Ar18 + 88.476 MeV [59.286 MeV] (A_Yb:763)
172Yb70 + 2 D* --> 150Nd60 + 26Mg12 + 56.915 MeV [27.725 MeV] (A_Yb:764)
172Yb70 + 2 D* --> 154Sm62 + 22Ne10 + 47.497 MeV [18.307 MeV] (A_Yb:765)
172Yb70 + 2 D* --> 158Gd64 + 18O8 + 38.489 MeV [9.299 MeV] (A_Yb:766)
172Yb70 + 2 D* --> 160Gd64 + 16O8 + 39.697 MeV [10.507 MeV] (A_Yb:767)
172Yb70 + 2 D* --> 163Dy66 + 13C6 + 30.273 MeV [1.082 MeV] (A_Yb:768)
172Yb70 + 2 D* --> 164Dy66 + 12C6 + 32.984 MeV [3.794 MeV] (A_Yb:769)
172Yb70 + 2 D* --> 165Ho67 + 11B5 + 23.248 MeV [-5.942 MeV] (A_Yb:770)
172Yb70 + 2 D* --> 167Er68 + 9Be4 + 18.960 MeV [-10.230 MeV] (A_Yb:771)
172Yb70 + 2 D* --> 169Tm69 + 7Li3 + 13.383 MeV [-15.807 MeV] (A_Yb:772)
172Yb70 + 2 D* --> 172Yb70 + 4He2 + 23.847 MeV [-5.344 MeV] (A_Yb:773)
172Yb70 + 2 D* --> 173Yb70 + 3He2 + 9.636 MeV [-19.554 MeV] (A_Yb:774)
172Yb70 + 2 D* --> 175Lu71 + 1H1 + 14.893 MeV [-14.297 MeV] (A_Yb:775)
172Yb70 + 2 D* --> 176Hf72 + 21.589 MeV [-7.601 MeV] (A_Yb:776)

172Yb70 + 3 D* --> 163Dy66 + 15N7 + 46.432 MeV [2.197 MeV] (A_Yb:777)
172Yb70 + 3 D* --> 164Dy66 + 14N7 + 43.257 MeV [-0.978 MeV] (A_Yb:778)
172Yb70 + 3 D* --> 165Ho67 + 13C6 + 41.926 MeV [-2.309 MeV] (A_Yb:779)
172Yb70 + 3 D* --> 167Er68 + 11B5 + 34.776 MeV [-9.459 MeV] (A_Yb:780)
172Yb70 + 3 D* --> 168Er68 + 10B5 + 31.093 MeV [-13.142 MeV] (A_Yb:781)
172Yb70 + 3 D* --> 169Tm69 + 9Be4 + 30.079 MeV [-14.156 MeV] (A_Yb:782)
172Yb70 + 3 D* --> 171Yb70 + 7Li3 + 24.551 MeV [-19.684 MeV] (A_Yb:783)
172Yb70 + 3 D* --> 172Yb70 + 6Li3 + 25.320 MeV [-18.915 MeV] (A_Yb:784)
172Yb70 + 3 D* --> 175Lu71 + 3He2 + 20.386 MeV [-23.849 MeV] (A_Yb:785)
172Yb70 + 3 D* --> 176Hf72 + 2H1 + 21.589 MeV [-22.646 MeV] (A_Yb:786)
172Yb70 + 3 D* --> 177Hf72 + 1H1 + 25.748 MeV [-18.487 MeV] (A_Yb:787)

172Yb70 + 4 D* --> 130Te52 + 50Ti22 + 132.061 MeV [72.484 MeV] (A_Yb:788)
172Yb70 + 4 D* --> 132Xe54 + 48Ca20 + 126.777 MeV [67.200 MeV] (A_Yb:789)
172Yb70 + 4 D* --> 134Xe54 + 46Ca20 + 124.542 MeV [64.965 MeV] (A_Yb:790)
172Yb70 + 4 D* --> 136Xe54 + 44Ca20 + 121.176 MeV [61.599 MeV] (A_Yb:791)
172Yb70 + 4 D* --> 150Nd60 + 30Si14 + 91.405 MeV [31.828 MeV] (A_Yb:792)
172Yb70 + 4 D* --> 154Sm62 + 26Mg12 + 81.959 MeV [22.382 MeV] (A_Yb:793)
172Yb70 + 4 D* --> 158Gd64 + 22Ne10 + 72.004 MeV [12.427 MeV] (A_Yb:794)
172Yb70 + 4 D* --> 160Gd64 + 20Ne10 + 68.273 MeV [8.696 MeV] (A_Yb:795)
172Yb70 + 4 D* --> 162Dy66 + 18O8 + 62.251 MeV [2.674 MeV] (A_Yb:796)
172Yb70 + 4 D* --> 163Dy66 + 17O8 + 60.478 MeV [00.901 MeV] (A_Yb:797)
172Yb70 + 4 D* --> 164Dy66 + 16O8 + 63.993 MeV [4.416 MeV] (A_Yb:798)
172Yb70 + 4 D* --> 165Ho67 + 15N7 + 58.086 MeV [-1.491 MeV] (A_Yb:799)
172Yb70 + 4 D* --> 167Er68 + 13C6 + 53.454 MeV [-6.123 MeV] (A_Yb:800)
172Yb70 + 4 D* --> 168Er68 + 12C6 + 56.279 MeV [-3.298 MeV] (A_Yb:801)
172Yb70 + 4 D* --> 169Tm69 + 11B5 + 45.895 MeV [-13.682 MeV] (A_Yb:802)
172Yb70 + 4 D* --> 171Yb70 + 9Be4 + 41.247 MeV [-18.330 MeV] (A_Yb:803)
172Yb70 + 4 D* --> 176Hf72 + 4He2 + 45.435 MeV [-14.142 MeV] (A_Yb:804)
172Yb70 + 4 D* --> 177Hf72 + 3He2 + 31.241 MeV [-28.336 MeV] (A_Yb:805)
172Yb70 + 4 D* --> 180W74 + 42.927 MeV [-16.650 MeV] (A_Yb:806)

172Yb70 + 5 D* --> 163Dy66 + 19F9 + 74.292 MeV [-0.922 MeV] (A_Yb:807)
172Yb70 + 5 D* --> 165Ho67 + 17O8 + 72.132 MeV [-3.082 MeV] (A_Yb:808)
172Yb70 + 5 D* --> 167Er68 + 15N7 + 69.614 MeV [-5.600 MeV] (A_Yb:809)
172Yb70 + 5 D* --> 168Er68 + 14N7 + 66.552 MeV [-8.662 MeV] (A_Yb:810)
172Yb70 + 5 D* --> 169Tm69 + 13C6 + 64.573 MeV [-10.640 MeV] (A_Yb:811)
172Yb70 + 5 D* --> 171Yb70 + 11B5 + 57.063 MeV [-18.151 MeV] (A_Yb:812)
172Yb70 + 5 D* --> 172Yb70 + 10B5 + 53.628 MeV [-21.586 MeV] (A_Yb:813)
172Yb70 + 5 D* --> 176Hf72 + 6Li3 + 46.909 MeV [-28.305 MeV] (A_Yb:814)
172Yb70 + 5 D* --> 180W74 + 2H1 + 42.927 MeV [-32.287 MeV] (A_Yb:815)

172Yb70 + 6 D* --> 130Te52 + 54Cr24 + 163.838 MeV [72.695 MeV] (A_Yb:816)
172Yb70 + 6 D* --> 134Xe54 + 50Ti22 + 159.105 MeV [67.962 MeV] (A_Yb:817)
172Yb70 + 6 D* --> 136Xe54 + 48Ti22 + 154.467 MeV [63.323 MeV] (A_Yb:818)
172Yb70 + 6 D* --> 136Ba56 + 48Ca20 + 152.655 MeV [61.512 MeV] (A_Yb:819)
172Yb70 + 6 D* --> 138Ba56 + 46Ca20 + 150.951 MeV [59.807 MeV] (A_Yb:820)
172Yb70 + 6 D* --> 148Nd60 + 36S16 + 127.632 MeV [36.488 MeV] (A_Yb:821)
172Yb70 + 6 D* --> 150Nd60 + 34S16 + 123.176 MeV [32.032 MeV] (A_Yb:822)
172Yb70 + 6 D* --> 154Sm62 + 30Si14 + 116.449 MeV [25.305 MeV] (A_Yb:823)
172Yb70 + 6 D* --> 158Gd64 + 26Mg12 + 106.465 MeV [15.322 MeV] (A_Yb:824)
172Yb70 + 6 D* --> 160Gd64 + 24Mg12 + 101.436 MeV [10.293 MeV] (A_Yb:825)
172Yb70 + 6 D* --> 162Dy66 + 22Ne10 + 95.766 MeV [4.622 MeV] (A_Yb:826)
172Yb70 + 6 D* --> 163Dy66 + 21Ne10 + 91.672 MeV [00.529 MeV] (A_Yb:827)
172Yb70 + 6 D* --> 164Dy66 + 20Ne10 + 92.569 MeV [1.426 MeV] (A_Yb:828)
172Yb70 + 6 D* --> 165Ho67 + 19F9 + 85.946 MeV [-5.197 MeV] (A_Yb:829)
172Yb70 + 6 D* --> 166Er68 + 18O8 + 85.267 MeV [-5.876 MeV] (A_Yb:830)
172Yb70 + 6 D* --> 167Er68 + 17O8 + 83.660 MeV [-7.484 MeV] (A_Yb:831)
172Yb70 + 6 D* --> 168Er68 + 16O8 + 87.288 MeV [-3.856 MeV] (A_Yb:832)
172Yb70 + 6 D* --> 169Tm69 + 15N7 + 80.733 MeV [-10.411 MeV] (A_Yb:833)
172Yb70 + 6 D* --> 171Yb70 + 13C6 + 75.741 MeV [-15.402 MeV] (A_Yb:834)
172Yb70 + 6 D* --> 172Yb70 + 12C6 + 78.814 MeV [-12.329 MeV] (A_Yb:835)
172Yb70 + 6 D* --> 180W74 + 4He2 + 66.774 MeV [-24.370 MeV] (A_Yb:836)
172Yb70 + 6 D* --> 184Os76 + 63.810 MeV [-27.333 MeV] (A_Yb:837)

172Yb70 + 7 D* --> 136Xe54 + 50V23 + 168.336 MeV [60.972 MeV] (A_Yb:838)
172Yb70 + 7 D* --> 138La57 + 48Ca20 + 163.429 MeV [56.064 MeV] (A_Yb:839)
172Yb70 + 7 D* --> 163Dy66 + 23Na11 + 108.606 MeV [1.242 MeV] (A_Yb:840)
172Yb70 + 7 D* --> 165Ho67 + 21Ne10 + 103.326 MeV [-4.038 MeV] (A_Yb:841)
172Yb70 + 7 D* --> 167Er68 + 19F9 + 97.474 MeV [-9.890 MeV] (A_Yb:842)
172Yb70 + 7 D* --> 169Tm69 + 17O8 + 94.779 MeV [-12.586 MeV] (A_Yb:843)
172Yb70 + 7 D* --> 171Yb70 + 15N7 + 91.900 MeV [-15.464 MeV] (A_Yb:844)
172Yb70 + 7 D* --> 172Yb70 + 14N7 + 89.087 MeV [-18.278 MeV] (A_Yb:845)
172Yb70 + 7 D* --> 176Hf72 + 10B5 + 75.217 MeV [-32.148 MeV] (A_Yb:846)
172Yb70 + 7 D* --> 180W74 + 6Li3 + 68.247 MeV [-39.117 MeV] (A_Yb:847)
172Yb70 + 7 D* --> 184Os76 + 2H1 + 63.810 MeV [-43.554 MeV] (A_Yb:848)

172Yb70 + 8 D* --> 124Sn50 + 64Ni28 + 201.162 MeV [77.287 MeV] (A_Yb:849)
172Yb70 + 8 D* --> 130Te52 + 58Fe26 + 195.330 MeV [71.456 MeV] (A_Yb:850)
172Yb70 + 8 D* --> 134Xe54 + 54Cr24 + 190.883 MeV [67.008 MeV] (A_Yb:851)
172Yb70 + 8 D* --> 136Xe54 + 52Cr24 + 187.668 MeV [63.793 MeV] (A_Yb:852)
172Yb70 + 8 D* --> 138Ba56 + 50Ti22 + 185.514 MeV [61.640 MeV] (A_Yb:853)
172Yb70 + 8 D* --> 140Ce58 + 48Ca20 + 178.123 MeV [54.249 MeV] (A_Yb:854)
172Yb70 + 8 D* --> 142Ce58 + 46Ca20 + 173.499 MeV [49.625 MeV] (A_Yb:855)
172Yb70 + 8 D* --> 148Nd60 + 40Ar18 + 158.279 MeV [34.405 MeV] (A_Yb:856)

172Yb70 + 8 D* --> 150Nd60 + 38Ar18 + 154.230 MeV [30.356 MeV] (A_Yb:857)
172Yb70 + 8 D* --> 152Sm62 + 36S16 + 151.258 MeV [27.384 MeV] (A_Yb:858)
172Yb70 + 8 D* --> 154Sm62 + 34S16 + 148.219 MeV [24.345 MeV] (A_Yb:859)
172Yb70 + 8 D* --> 158Gd64 + 30Si14 + 140.955 MeV [17.081 MeV] (A_Yb:860)
172Yb70 + 8 D* --> 160Gd64 + 28Si14 + 135.267 MeV [11.393 MeV] (A_Yb:861)
172Yb70 + 8 D* --> 162Dy66 + 26Mg12 + 130.227 MeV [6.353 MeV] (A_Yb:862)
172Yb70 + 8 D* --> 163Dy66 + 25Mg12 + 125.405 MeV [1.531 MeV] (A_Yb:863)
172Yb70 + 8 D* --> 164Dy66 + 24Mg12 + 125.732 MeV [1.858 MeV] (A_Yb:864)
172Yb70 + 8 D* --> 165Ho67 + 23Na11 + 120.260 MeV [-3.614 MeV] (A_Yb:865)
172Yb70 + 8 D* --> 166Er68 + 22Ne10 + 118.782 MeV [-5.092 MeV] (A_Yb:866)
172Yb70 + 8 D* --> 167Er68 + 21Ne10 + 114.854 MeV [-9.020 MeV] (A_Yb:867)
172Yb70 + 8 D* --> 168Er68 + 20Ne10 + 115.864 MeV [-8.010 MeV] (A_Yb:868)
172Yb70 + 8 D* --> 169Tm69 + 19F9 + 108.593 MeV [-15.281 MeV] (A_Yb:869)
172Yb70 + 8 D* --> 170Yb70 + 18O8 + 107.376 MeV [-16.498 MeV] (A_Yb:870)
172Yb70 + 8 D* --> 171Yb70 + 17O8 + 105.946 MeV [-17.928 MeV] (A_Yb:871)
172Yb70 + 8 D* --> 172Yb70 + 16O8 + 109.823 MeV [-14.051 MeV] (A_Yb:872)
172Yb70 + 8 D* --> 176Hf72 + 12C6 + 100.403 MeV [-23.471 MeV] (A_Yb:873)
172Yb70 + 8 D* --> 184Os76 + 4He2 + 87.657 MeV [-36.217 MeV] (A_Yb:874)

172Yb70 + 9 D* --> 150Nd60 + 40K19 + 166.186 MeV [25.515 MeV] (A_Yb:875)
172Yb70 + 9 D* --> 163Dy66 + 27Al13 + 142.544 MeV [1.873 MeV] (A_Yb:876)
172Yb70 + 9 D* --> 165Ho67 + 25Mg12 + 137.059 MeV [-3.613 MeV] (A_Yb:877)
172Yb70 + 9 D* --> 167Er68 + 23Na11 + 131.788 MeV [-8.883 MeV] (A_Yb:878)
172Yb70 + 9 D* --> 169Tm69 + 21Ne10 + 125.973 MeV [-14.698 MeV] (A_Yb:879)
172Yb70 + 9 D* --> 171Yb70 + 19F9 + 119.761 MeV [-20.910 MeV] (A_Yb:880)
172Yb70 + 9 D* --> 176Hf72 + 14N7 + 110.675 MeV [-29.996 MeV] (A_Yb:881)
172Yb70 + 9 D* --> 180W74 + 10B5 + 96.555 MeV [-44.116 MeV] (A_Yb:882)
172Yb70 + 9 D* --> 184Os76 + 6Li3 + 89.131 MeV [-51.541 MeV] (A_Yb:883)

172Yb70 + 10 D* --> 96Zr40 + 96Zr40 + 242.983 MeV [85.229 MeV] (A_Yb:884)
172Yb70 + 10 D* --> 110Pd46 + 82Se34 + 238.040 MeV [80.287 MeV] (A_Yb:885)
172Yb70 + 10 D* --> 116Cd48 + 76Ge32 + 234.029 MeV [76.276 MeV] (A_Yb:886)
172Yb70 + 10 D* --> 122Sn50 + 70Zn30 + 231.608 MeV [73.854 MeV] (A_Yb:887)
172Yb70 + 10 D* --> 124Sn50 + 68Zn30 + 230.341 MeV [72.587 MeV] (A_Yb:888)
172Yb70 + 10 D* --> 128Te52 + 64Ni28 + 228.188 MeV [70.435 MeV] (A_Yb:889)
172Yb70 + 10 D* --> 130Te52 + 62Ni28 + 226.194 MeV [68.441 MeV] (A_Yb:890)
172Yb70 + 10 D* --> 134Xe54 + 58Fe26 + 222.375 MeV [64.621 MeV] (A_Yb:891)
172Yb70 + 10 D* --> 136Xe54 + 56Fe26 + 219.127 MeV [61.374 MeV] (A_Yb:892)
172Yb70 + 10 D* --> 138Ba56 + 54Cr24 + 217.291 MeV [59.538 MeV] (A_Yb:893)
172Yb70 + 10 D* --> 142Ce58 + 50Ti22 + 208.062 MeV [50.309 MeV] (A_Yb:894)
172Yb70 + 10 D* --> 144Nd60 + 48Ca20 + 200.064 MeV [42.311 MeV] (A_Yb:895)
172Yb70 + 10 D* --> 146Nd60 + 46Ca20 + 196.163 MeV [38.410 MeV] (A_Yb:896)
172Yb70 + 10 D* --> 148Nd60 + 44Ca20 + 190.979 MeV [33.225 MeV] (A_Yb:897)
172Yb70 + 10 D* --> 150Nd60 + 42Ca20 + 184.334 MeV [26.580 MeV] (A_Yb:898)
172Yb70 + 10 D* --> 152Sm62 + 40Ar18 + 181.906 MeV [24.152 MeV] (A_Yb:899)
172Yb70 + 10 D* --> 154Sm62 + 38Ar18 + 179.273 MeV [21.520 MeV] (A_Yb:900)
172Yb70 + 10 D* --> 156Gd64 + 36S16 + 175.303 MeV [17.550 MeV] (A_Yb:901)
172Yb70 + 10 D* --> 158Gd64 + 34S16 + 172.725 MeV [14.972 MeV] (A_Yb:902)
172Yb70 + 10 D* --> 160Gd64 + 32S16 + 166.061 MeV [8.308 MeV] (A_Yb:903)
172Yb70 + 10 D* --> 162Dy66 + 30Si14 + 164.717 MeV [6.963 MeV] (A_Yb:904)
172Yb70 + 10 D* --> 163Dy66 + 29Si14 + 160.378 MeV [2.625 MeV] (A_Yb:905)
172Yb70 + 10 D* --> 164Dy66 + 28Si14 + 159.563 MeV [1.809 MeV] (A_Yb:906)
172Yb70 + 10 D* --> 165Ho67 + 27Al13 + 154.198 MeV [-3.555 MeV] (A_Yb:907)
172Yb70 + 10 D* --> 166Er68 + 26Mg12 + 153.243 MeV [-4.510 MeV] (A_Yb:908)

172Yb70 + 10 D* --> 167Er68 + 25Mg12 + 148.586 MeV [-9.167 MeV] (A_Yb:909)
172Yb70 + 10 D* --> 168Er68 + 24Mg12 + 149.027 MeV [-8.726 MeV] (A_Yb:910)
172Yb70 + 10 D* --> 169Tm69 + 23Na11 + 142.907 MeV [-14.847 MeV] (A_Yb:911)
172Yb70 + 10 D* --> 170Yb70 + 22Ne10 + 140.891 MeV [-16.863 MeV] (A_Yb:912)
172Yb70 + 10 D* --> 171Yb70 + 21Ne10 + 137.141 MeV [-20.613 MeV] (A_Yb:913)
172Yb70 + 10 D* --> 172Yb70 + 20Ne10 + 138.399 MeV [-19.354 MeV] (A_Yb:914)
172Yb70 + 10 D* --> 174Hf72 + 18O8 + 128.725 MeV [-29.028 MeV] (A_Yb:915)
172Yb70 + 10 D* --> 176Hf72 + 16O8 + 131.411 MeV [-26.342 MeV] (A_Yb:916)
172Yb70 + 10 D* --> 180W74 + 12C6 + 121.741 MeV [-36.012 MeV] (A_Yb:917)

172Yb70 + 11 D* --> 154Sm62 + 40K19 + 191.229 MeV [16.110 MeV] (A_Yb:918)
172Yb70 + 11 D* --> 157Gd64 + 37Cl17 + 187.825 MeV [12.705 MeV] (A_Yb:919)
172Yb70 + 11 D* --> 163Dy66 + 31P15 + 176.060 MeV [00.941 MeV] (A_Yb:920)
172Yb70 + 11 D* --> 165Ho67 + 29Si14 + 172.032 MeV [-3.087 MeV] (A_Yb:921)
172Yb70 + 11 D* --> 167Er68 + 27Al13 + 165.726 MeV [-9.393 MeV] (A_Yb:922)
172Yb70 + 11 D* --> 169Tm69 + 25Mg12 + 159.705 MeV [-15.414 MeV] (A_Yb:923)
172Yb70 + 11 D* --> 171Yb70 + 23Na11 + 154.075 MeV [-21.045 MeV] (A_Yb:924)
172Yb70 + 11 D* --> 180W74 + 14N7 + 132.014 MeV [-43.106 MeV] (A_Yb:925)
172Yb70 + 11 D* --> 184Os76 + 10B5 + 117.438 MeV [-57.681 MeV] (A_Yb:926)

172Yb70 + 12 D* --> 100Mo42 + 96Zr40 + 269.995 MeV [77.228 MeV] (A_Yb:927)
172Yb70 + 12 D* --> 110Pd46 + 86Kr36 + 269.983 MeV [77.216 MeV] (A_Yb:928)
172Yb70 + 12 D* --> 114Cd48 + 82Se34 + 265.983 MeV [73.216 MeV] (A_Yb:929)
172Yb70 + 12 D* --> 116Cd48 + 80Se34 + 264.848 MeV [72.080 MeV] (A_Yb:930)
172Yb70 + 12 D* --> 120Sn50 + 76Ge32 + 262.687 MeV [69.919 MeV] (A_Yb:931)
172Yb70 + 12 D* --> 122Sn50 + 74Ge32 + 261.737 MeV [68.969 MeV] (A_Yb:932)
172Yb70 + 12 D* --> 124Sn50 + 72Ge32 + 259.191 MeV [66.424 MeV] (A_Yb:933)
172Yb70 + 12 D* --> 126Te52 + 70Zn30 + 257.998 MeV [65.230 MeV] (A_Yb:934)
172Yb70 + 12 D* --> 128Te52 + 68Zn30 + 257.368 MeV [64.600 MeV] (A_Yb:935)
172Yb70 + 12 D* --> 130Te52 + 66Zn30 + 254.619 MeV [61.852 MeV] (A_Yb:936)
172Yb70 + 12 D* --> 132Xe54 + 64Ni28 + 254.748 MeV [61.981 MeV] (A_Yb:937)
172Yb70 + 12 D* --> 134Xe54 + 62Ni28 + 253.239 MeV [60.472 MeV] (A_Yb:938)
172Yb70 + 12 D* --> 136Xe54 + 60Ni28 + 249.266 MeV [56.498 MeV] (A_Yb:939)
172Yb70 + 12 D* --> 138Ba56 + 58Fe26 + 248.783 MeV [56.016 MeV] (A_Yb:940)
172Yb70 + 12 D* --> 142Ce58 + 54Cr24 + 239.839 MeV [47.072 MeV] (A_Yb:941)
172Yb70 + 12 D* --> 146Nd60 + 50Ti22 + 230.726 MeV [37.959 MeV] (A_Yb:942)
172Yb70 + 12 D* --> 148Nd60 + 48Ti22 + 224.270 MeV [31.502 MeV] (A_Yb:943)
172Yb70 + 12 D* --> 150Nd60 + 46Ti22 + 216.181 MeV [23.414 MeV] (A_Yb:944)
172Yb70 + 12 D* --> 148Sm62 + 48Ca20 + 221.925 MeV [29.157 MeV] (A_Yb:945)
172Yb70 + 12 D* --> 150Sm62 + 46Ca20 + 218.561 MeV [25.793 MeV] (A_Yb:946)
172Yb70 + 12 D* --> 152Sm62 + 44Ca20 + 214.606 MeV [21.838 MeV] (A_Yb:947)
172Yb70 + 12 D* --> 154Sm62 + 42Ca20 + 209.377 MeV [16.610 MeV] (A_Yb:948)
172Yb70 + 12 D* --> 156Gd64 + 40Ar18 + 205.950 MeV [13.183 MeV] (A_Yb:949)
172Yb70 + 12 D* --> 158Gd64 + 38Ar18 + 203.780 MeV [11.012 MeV] (A_Yb:950)
172Yb70 + 12 D* --> 160Gd64 + 36Ar18 + 196.549 MeV [3.781 MeV] (A_Yb:951)
172Yb70 + 12 D* --> 159Tb65 + 37Cl17 + 199.669 MeV [6.902 MeV] (A_Yb:952)
172Yb70 + 12 D* --> 160Dy66 + 36S16 + 198.711 MeV [5.943 MeV] (A_Yb:953)
172Yb70 + 12 D* --> 162Dy66 + 34S16 + 196.487 MeV [3.720 MeV] (A_Yb:954)
172Yb70 + 12 D* --> 163Dy66 + 33S16 + 191.341 MeV [-1.426 MeV] (A_Yb:955)
172Yb70 + 12 D* --> 164Dy66 + 32S16 + 190.357 MeV [-2.410 MeV] (A_Yb:956)
172Yb70 + 12 D* --> 165Ho67 + 31P15 + 187.714 MeV [-5.053 MeV] (A_Yb:957)
172Yb70 + 12 D* --> 166Er68 + 30Si14 + 187.733 MeV [-5.034 MeV] (A_Yb:958)
172Yb70 + 12 D* --> 167Er68 + 29Si14 + 183.560 MeV [-9.207 MeV] (A_Yb:959)
172Yb70 + 12 D* --> 168Er68 + 28Si14 + 182.858 MeV [-9.909 MeV] (A_Yb:960)

172Yb70 + 12 D* --> 169Tm69 + 27Al13 + 176.845 MeV [-15.922 MeV] (A_Yb:961)
172Yb70 + 12 D* --> 170Yb70 + 26Mg12 + 175.352 MeV [-17.415 MeV] (A_Yb:962)
172Yb70 + 12 D* --> 171Yb70 + 25Mg12 + 170.873 MeV [-21.894 MeV] (A_Yb:963)
172Yb70 + 12 D* --> 172Yb70 + 24Mg12 + 171.562 MeV [-21.205 MeV] (A_Yb:964)
172Yb70 + 12 D* --> 174Hf72 + 22Ne10 + 162.240 MeV [-30.528 MeV] (A_Yb:965)
172Yb70 + 12 D* --> 176Hf72 + 20Ne10 + 159.988 MeV [-32.779 MeV] (A_Yb:966)
172Yb70 + 12 D* --> 180W74 + 16O8 + 152.750 MeV [-40.017 MeV] (A_Yb:967)
172Yb70 + 12 D* --> 184Os76 + 12C6 + 142.625 MeV [-50.143 MeV] (A_Yb:968)

173Yb70 + D* --> 160Gd64 + 15N7 + 23.427 MeV [9.010 MeV] (A_Yb:969)
173Yb70 + D* --> 164Dy66 + 11B5 + 12.885 MeV [-1.532 MeV] (A_Yb:970)
173Yb70 + D* --> 168Er68 + 7Li3 + 3.668 MeV [-10.749 MeV] (A_Yb:971)
173Yb70 + D* --> 174Yb70 + 1H1 + 5.240 MeV [-9.177 MeV] (A_Yb:972)
173Yb70 + D* --> 175Lu71 + 10.750 MeV [-3.667 MeV] (A_Yb:973)

173Yb70 + 2 D* --> 160Gd64 + 17O8 + 37.473 MeV [8.338 MeV] (A_Yb:974)
173Yb70 + 2 D* --> 164Dy66 + 13C6 + 31.563 MeV [2.428 MeV] (A_Yb:975)
173Yb70 + 2 D* --> 168Er68 + 9Be4 + 20.364 MeV [-8.771 MeV] (A_Yb:976)
173Yb70 + 2 D* --> 173Yb70 + 4He2 + 23.847 MeV [-5.289 MeV] (A_Yb:977)
173Yb70 + 2 D* --> 174Yb70 + 3He2 + 10.734 MeV [-18.402 MeV] (A_Yb:978)
173Yb70 + 2 D* --> 175Lu71 + 2H1 + 10.750 MeV [-18.385 MeV] (A_Yb:979)
173Yb70 + 2 D* --> 176Lu71 + 1H1 + 14.814 MeV [-14.322 MeV] (A_Yb:980)
173Yb70 + 2 D* --> 177Hf72 + 21.605 MeV [-7.530 MeV] (A_Yb:981)

173Yb70 + 3 D* --> 160Gd64 + 19F9 + 51.287 MeV [7.134 MeV] (A_Yb:982)
173Yb70 + 3 D* --> 164Dy66 + 15N7 + 47.723 MeV [3.570 MeV] (A_Yb:983)
173Yb70 + 3 D* --> 168Er68 + 11B5 + 36.180 MeV [-7.973 MeV] (A_Yb:984)
173Yb70 + 3 D* --> 172Yb70 + 7Li3 + 26.203 MeV [-17.949 MeV] (A_Yb:985)
173Yb70 + 3 D* --> 173Yb70 + 6Li3 + 25.320 MeV [-18.832 MeV] (A_Yb:986)
173Yb70 + 3 D* --> 175Lu71 + 4He2 + 34.597 MeV [-9.556 MeV] (A_Yb:987)
173Yb70 + 3 D* --> 176Lu71 + 3He2 + 20.307 MeV [-23.845 MeV] (A_Yb:988)
173Yb70 + 3 D* --> 177Hf72 + 2H1 + 21.605 MeV [-22.548 MeV] (A_Yb:989)
173Yb70 + 3 D* --> 178Hf72 + 1H1 + 27.006 MeV [-17.146 MeV] (A_Yb:990)

173Yb70 + 4 D* --> 160Gd64 + 21Ne10 + 68.667 MeV [9.200 MeV] (A_Yb:991)
173Yb70 + 4 D* --> 163Dy66 + 18O8 + 62.155 MeV [2.688 MeV] (A_Yb:992)
173Yb70 + 4 D* --> 164Dy66 + 17O8 + 61.769 MeV [2.302 MeV] (A_Yb:993)
173Yb70 + 4 D* --> 168Er68 + 13C6 + 54.858 MeV [-4.609 MeV] (A_Yb:994)
173Yb70 + 4 D* --> 172Yb70 + 9Be4 + 42.899 MeV [-16.568 MeV] (A_Yb:995)
173Yb70 + 4 D* --> 175Lu71 + 6Li3 + 36.071 MeV [-23.396 MeV] (A_Yb:996)
173Yb70 + 4 D* --> 177Hf72 + 4He2 + 45.451 MeV [-14.016 MeV] (A_Yb:997)
173Yb70 + 4 D* --> 178Hf72 + 3He2 + 32.500 MeV [-26.967 MeV] (A_Yb:998)
173Yb70 + 4 D* --> 180Ta73 + 1H1 + 36.634 MeV [-22.833 MeV] (A_Yb:999)

173Yb70 + 5 D* --> 160Gd64 + 23Na11 + 85.601 MeV [10.524 MeV] (A_Yb:1000)
173Yb70 + 5 D* --> 164Dy66 + 19F9 + 75.583 MeV [00.507 MeV] (A_Yb:1001)
173Yb70 + 5 D* --> 165Ho67 + 18O8 + 73.808 MeV [-1.268 MeV] (A_Yb:1002)
173Yb70 + 5 D* --> 168Er68 + 15N7 + 71.018 MeV [-4.059 MeV] (A_Yb:1003)
173Yb70 + 5 D* --> 172Yb70 + 11B5 + 58.715 MeV [-16.362 MeV] (A_Yb:1004)

173Yb70 + 5 D* --> 173Yb70 + 10B5 + 53.628 MeV [-21.449 MeV]
(A_Yb:1005)
173Yb70 + 5 D* --> 176Hf72 + 7Li3 + 47.792 MeV [-27.285 MeV]
(A_Yb:1006)
173Yb70 + 5 D* --> 177Hf72 + 6Li3 + 46.925 MeV [-28.151 MeV]
(A_Yb:1007)
173Yb70 + 5 D* --> 180Ta73 + 3He2 + 42.127 MeV [-32.949 MeV]
(A_Yb:1008)
173Yb70 + 5 D* --> 182W74 + 1H1 + 49.081 MeV [-25.996 MeV]
(A_Yb:1009)

173Yb70 + 6 D* --> 136Xe54 + 49Ti22 + 156.242 MeV [65.263 MeV]
(A_Yb:1010)
173Yb70 + 6 D* --> 137Ba56 + 48Ca20 + 153.193 MeV [62.214 MeV]
(A_Yb:1011)
173Yb70 + 6 D* --> 160Gd64 + 25Mg12 + 102.400 MeV [11.421 MeV]
(A_Yb:1012)
173Yb70 + 6 D* --> 163Dy66 + 22Ne10 + 95.669 MeV [4.690 MeV]
(A_Yb:1013)
173Yb70 + 6 D* --> 164Dy66 + 21Ne10 + 92.963 MeV [1.984 MeV]
(A_Yb:1014)
173Yb70 + 6 D* --> 167Er68 + 18O8 + 85.336 MeV [-5.643 MeV]
(A_Yb:1015)
173Yb70 + 6 D* --> 168Er68 + 17O8 + 85.064 MeV [-5.915 MeV]
(A_Yb:1016)
173Yb70 + 6 D* --> 172Yb70 + 13C6 + 77.393 MeV [-13.586 MeV]
(A_Yb:1017)
173Yb70 + 6 D* --> 173Yb70 + 12C6 + 78.814 MeV [-12.165 MeV]
(A_Yb:1018)
173Yb70 + 6 D* --> 175Lu71 + 10B5 + 64.378 MeV [-26.601 MeV]
(A_Yb:1019)
173Yb70 + 6 D* --> 176Hf72 + 9Be4 + 64.488 MeV [-26.491 MeV]
(A_Yb:1020)
173Yb70 + 6 D* --> 182W74 + 3He2 + 54.574 MeV [-36.405 MeV]
(A_Yb:1021)

173Yb70 + 7 D* --> 136Xe54 + 51V23 + 173.020 MeV [65.848 MeV]
(A_Yb:1022)
173Yb70 + 7 D* --> 139La57 + 48Ca20 + 165.839 MeV [58.667 MeV]
(A_Yb:1023)
173Yb70 + 7 D* --> 150Nd60 + 37Cl17 + 139.845 MeV [32.672 MeV]
(A_Yb:1024)
173Yb70 + 7 D* --> 160Gd64 + 27Al13 + 119.539 MeV [12.367 MeV]
(A_Yb:1025)
173Yb70 + 7 D* --> 164Dy66 + 23Na11 + 109.897 MeV [2.724 MeV]
(A_Yb:1026)
173Yb70 + 7 D* --> 165Ho67 + 22Ne10 + 107.323 MeV [00.151 MeV]
(A_Yb:1027)
173Yb70 + 7 D* --> 168Er68 + 19F9 + 98.878 MeV [-8.295 MeV]
(A_Yb:1028)
173Yb70 + 7 D* --> 169Tm69 + 18O8 + 96.455 MeV [-10.717 MeV]
(A_Yb:1029)
173Yb70 + 7 D* --> 172Yb70 + 15N7 + 93.553 MeV [-13.620 MeV]
(A_Yb:1030)

173Yb70 + 7 D* --> 173Yb70 + 14N7 + 89.087 MeV [-18.086 MeV]
(A_Yb:1031)
173Yb70 + 7 D* --> 175Lu71 + 12C6 + 89.564 MeV [-17.608 MeV]
(A_Yb:1032)
173Yb70 + 7 D* --> 176Hf72 + 11B5 + 80.303 MeV [-26.869 MeV]
(A_Yb:1033)
173Yb70 + 7 D* --> 177Hf72 + 10B5 + 75.233 MeV [-31.940 MeV]
(A_Yb:1034)
173Yb70 + 7 D* --> 180W74 + 7Li3 + 69.130 MeV [-38.042 MeV]
(A_Yb:1035)
173Yb70 + 7 D* --> 186Os76 + 1H1 + 70.104 MeV [-37.068 MeV]
(A_Yb:1036)

173Yb70 + 8 D* --> 136Xe54 + 53Cr24 + 189.239 MeV [65.584 MeV]
(A_Yb:1037)
173Yb70 + 8 D* --> 160Gd64 + 29Si14 + 137.373 MeV [13.718 MeV]
(A_Yb:1038)
173Yb70 + 8 D* --> 163Dy66 + 26Mg12 + 130.131 MeV [6.475 MeV]
(A_Yb:1039)
173Yb70 + 8 D* --> 164Dy66 + 25Mg12 + 126.696 MeV [3.040 MeV]
(A_Yb:1040)
173Yb70 + 8 D* --> 167Er68 + 22Ne10 + 118.851 MeV [-4.804 MeV]
(A_Yb:1041)
173Yb70 + 8 D* --> 168Er68 + 21Ne10 + 116.258 MeV [-7.397 MeV]
(A_Yb:1042)
173Yb70 + 8 D* --> 171Yb70 + 18O8 + 107.623 MeV [-16.032 MeV]
(A_Yb:1043)
173Yb70 + 8 D* --> 172Yb70 + 17O8 + 107.599 MeV [-16.057 MeV]
(A_Yb:1044)
173Yb70 + 8 D* --> 173Yb70 + 16O8 + 109.823 MeV [-13.832 MeV]
(A_Yb:1045)
173Yb70 + 8 D* --> 175Lu71 + 14N7 + 99.837 MeV [-23.818 MeV]
(A_Yb:1046)
173Yb70 + 8 D* --> 176Hf72 + 13C6 + 98.982 MeV [-24.673 MeV]
(A_Yb:1047)
173Yb70 + 8 D* --> 177Hf72 + 12C6 + 100.419 MeV [-23.236 MeV]
(A_Yb:1048)
173Yb70 + 8 D* --> 180W74 + 9Be4 + 85.826 MeV [-37.829 MeV]
(A_Yb:1049)
173Yb70 + 8 D* --> 186Os76 + 3He2 + 75.598 MeV [-48.058 MeV]
(A_Yb:1050)

173Yb70 + 9 D* --> 136Xe54 + 55Mn25 + 204.801 MeV [64.376 MeV]
(A_Yb:1051)
173Yb70 + 9 D* --> 150Nd60 + 41K19 + 169.914 MeV [29.489 MeV]
(A_Yb:1052)
173Yb70 + 9 D* --> 154Sm62 + 37Cl17 + 164.888 MeV [24.463 MeV]
(A_Yb:1053)
173Yb70 + 9 D* --> 160Gd64 + 31P15 + 153.055 MeV [12.629 MeV]
(A_Yb:1054)
173Yb70 + 9 D* --> 164Dy66 + 27Al13 + 143.835 MeV [3.410 MeV]
(A_Yb:1055)
173Yb70 + 9 D* --> 165Ho67 + 26Mg12 + 141.784 MeV [1.359 MeV]
(A_Yb:1056)

173Yb70 + 9 D* --> 168Er68 + 23Na11 + 133.192 MeV [-7.233 MeV]
(A_Yb:1057)
173Yb70 + 9 D* --> 169Tm69 + 22Ne10 + 129.970 MeV [-10.455 MeV]
(A_Yb:1058)
173Yb70 + 9 D* --> 172Yb70 + 19F9 + 121.413 MeV [-19.012 MeV]
(A_Yb:1059)
173Yb70 + 9 D* --> 175Lu71 + 16O8 + 120.573 MeV [-19.852 MeV]
(A_Yb:1060)
173Yb70 + 9 D* --> 176Hf72 + 15N7 + 115.141 MeV [-25.284 MeV]
(A_Yb:1061)
173Yb70 + 9 D* --> 177Hf72 + 14N7 + 110.691 MeV [-29.734 MeV]
(A_Yb:1062)
173Yb70 + 9 D* --> 180W74 + 11B5 + 101.642 MeV [-38.783 MeV]
(A_Yb:1063)
173Yb70 + 9 D* --> 184Os76 + 7Li3 + 90.013 MeV [-50.412 MeV]
(A_Yb:1064)
173Yb70 + 9 D* --> 190Pt78 + 1H1 + 90.700 MeV [-49.726 MeV]
(A_Yb:1065)

173Yb70 + 10 D* --> 136Xe54 + 57Fe26 + 220.406 MeV [62.926 MeV]
(A_Yb:1066)
173Yb70 + 10 D* --> 145Nd60 + 48Ca20 + 199.452 MeV [41.972 MeV]
(A_Yb:1067)
173Yb70 + 10 D* --> 150Nd60 + 43Ca20 + 185.899 MeV [28.419 MeV]
(A_Yb:1068)
173Yb70 + 10 D* --> 157Gd64 + 36S16 + 175.296 MeV [17.815 MeV]
(A_Yb:1069)
173Yb70 + 10 D* --> 160Gd64 + 33S16 + 168.336 MeV [10.855 MeV]
(A_Yb:1070)
173Yb70 + 10 D* --> 163Dy66 + 30Si14 + 164.620 MeV [7.140 MeV]
(A_Yb:1071)
173Yb70 + 10 D* --> 164Dy66 + 29Si14 + 161.669 MeV [4.189 MeV]
(A_Yb:1072)
173Yb70 + 10 D* --> 167Er68 + 26Mg12 + 153.312 MeV [-4.168 MeV]
(A_Yb:1073)
173Yb70 + 10 D* --> 168Er68 + 25Mg12 + 149.990 MeV [-7.490 MeV]
(A_Yb:1074)
173Yb70 + 10 D* --> 171Yb70 + 22Ne10 + 141.138 MeV [-16.343 MeV]
(A_Yb:1075)
173Yb70 + 10 D* --> 172Yb70 + 21Ne10 + 138.793 MeV [-18.688 MeV]
(A_Yb:1076)
173Yb70 + 10 D* --> 173Yb70 + 20Ne10 + 138.399 MeV [-19.081 MeV]
(A_Yb:1077)
173Yb70 + 10 D* --> 176Hf72 + 17O8 + 129.187 MeV [-28.293 MeV]
(A_Yb:1078)
173Yb70 + 10 D* --> 177Hf72 + 16O8 + 131.428 MeV [-26.053 MeV]
(A_Yb:1079)
173Yb70 + 10 D* --> 180W74 + 13C6 + 120.320 MeV [-37.160 MeV]
(A_Yb:1080)
173Yb70 + 10 D* --> 184Os76 + 9Be4 + 106.709 MeV [-50.771 MeV]
(A_Yb:1081)
173Yb70 + 10 D* --> 190Pt78 + 3He2 + 96.193 MeV [-61.287 MeV]
(A_Yb:1082)

173Yb70 + 11 D* --> 124Sn50 + 71Ga31 + 245.314 MeV [70.494 MeV]
(A_Yb:1083)
173Yb70 + 11 D* --> 130Te52 + 65Cu29 + 241.552 MeV [66.732 MeV]
(A_Yb:1084)
173Yb70 + 11 D* --> 136Xe54 + 59Co27 + 235.590 MeV [60.771 MeV]
(A_Yb:1085)
173Yb70 + 11 D* --> 150Nd60 + 45Sc21 + 201.694 MeV [26.874 MeV]
(A_Yb:1086)
173Yb70 + 11 D* --> 154Sm62 + 41K19 + 194.957 MeV [20.138 MeV]
(A_Yb:1087)
173Yb70 + 11 D* --> 158Gd64 + 37Cl17 + 189.395 MeV [14.575 MeV]
(A_Yb:1088)
173Yb70 + 11 D* --> 160Gd64 + 35Cl17 + 183.899 MeV [9.079 MeV]
(A_Yb:1089)
173Yb70 + 11 D* --> 159Tb65 + 36S16 + 187.140 MeV [12.320 MeV]
(A_Yb:1090)
173Yb70 + 11 D* --> 164Dy66 + 31P15 + 177.351 MeV [2.531 MeV]
(A_Yb:1091)
173Yb70 + 11 D* --> 165Ho67 + 30Si14 + 176.274 MeV [1.454 MeV]
(A_Yb:1092)
173Yb70 + 11 D* --> 168Er68 + 27Al13 + 167.130 MeV [-7.690 MeV]
(A_Yb:1093)
173Yb70 + 11 D* --> 169Tm69 + 26Mg12 + 164.431 MeV [-10.388 MeV]
(A_Yb:1094)
173Yb70 + 11 D* --> 172Yb70 + 23Na11 + 155.727 MeV [-19.093 MeV]
(A_Yb:1095)
173Yb70 + 11 D* --> 175Lu71 + 20Ne10 + 149.149 MeV [-25.670 MeV]
(A_Yb:1096)
173Yb70 + 11 D* --> 176Hf72 + 19F9 + 143.002 MeV [-31.818 MeV]
(A_Yb:1097)
173Yb70 + 11 D* --> 180W74 + 15N7 + 136.480 MeV [-38.340 MeV]
(A_Yb:1098)
173Yb70 + 11 D* --> 184Os76 + 11B5 + 122.525 MeV [-52.295 MeV]
(A_Yb:1099)

173Yb70 + 12 D* --> 124Sn50 + 73Ge32 + 259.607 MeV [67.166 MeV]
(A_Yb:1100)
173Yb70 + 12 D* --> 130Te52 + 67Zn30 + 255.304 MeV [62.864 MeV]
(A_Yb:1101)
173Yb70 + 12 D* --> 136Xe54 + 61Ni28 + 250.718 MeV [58.278 MeV]
(A_Yb:1102)
173Yb70 + 12 D* --> 148Nd60 + 49Ti22 + 226.045 MeV [33.604 MeV]
(A_Yb:1103)
173Yb70 + 12 D* --> 150Nd60 + 47Ti22 + 218.694 MeV [26.254 MeV]
(A_Yb:1104)
173Yb70 + 12 D* --> 149Sm62 + 48Ca20 + 221.428 MeV [28.988 MeV]
(A_Yb:1105)
173Yb70 + 12 D* --> 154Sm62 + 43Ca20 + 210.943 MeV [18.502 MeV]
(A_Yb:1106)
173Yb70 + 12 D* --> 157Gd64 + 40Ar18 + 205.943 MeV [13.502 MeV]
(A_Yb:1107)
173Yb70 + 12 D* --> 161Dy66 + 36S16 + 198.798 MeV [6.357 MeV]
(A_Yb:1108)
173Yb70 + 12 D* --> 163Dy66 + 34S16 + 196.391 MeV [3.950 MeV]

(A_Yb:1109)
 173Yb70 + 12 D* --> 164Dy66 + 33S16 + 192.632 MeV [00.191 MeV]
(A_Yb:1110)
 173Yb70 + 12 D* --> 167Er68 + 30Si14 + 187.802 MeV [-4.639 MeV]
(A_Yb:1111)
 173Yb70 + 12 D* --> 168Er68 + 29Si14 + 184.964 MeV [-7.476 MeV]
(A_Yb:1112)
 173Yb70 + 12 D* --> 171Yb70 + 26Mg12 + 175.599 MeV [-16.841 MeV]
(A_Yb:1113)
 173Yb70 + 12 D* --> 172Yb70 + 25Mg12 + 172.525 MeV [-19.915 MeV]
(A_Yb:1114)
 173Yb70 + 12 D* --> 173Yb70 + 24Mg12 + 171.562 MeV [-20.878 MeV]
(A_Yb:1115)
 173Yb70 + 12 D* --> 176Hf72 + 21Ne10 + 160.382 MeV [-32.059 MeV]
(A_Yb:1116)
 173Yb70 + 12 D* --> 177Hf72 + 20Ne10 + 160.004 MeV [-32.437 MeV]
(A_Yb:1117)
 173Yb70 + 12 D* --> 180W74 + 17O8 + 150.526 MeV [-41.915 MeV]
(A_Yb:1118)
 173Yb70 + 12 D* --> 184Os76 + 13C6 + 141.204 MeV [-51.237 MeV]
(A_Yb:1119)

 174Yb70 + D* --> 170Er68 + 6Li3 + 2.214 MeV [-12.176 MeV]
(A_Yb:1120)
 174Yb70 + D* --> 176Lu71 + 9.573 MeV [-4.816 MeV]
(A_Yb:1121)

 174Yb70 + 2 D* --> 130Te52 + 48Ca20 + 100.887 MeV [71.807 MeV]
(A_Yb:1122)
 174Yb70 + 2 D* --> 160Gd64 + 18O8 + 38.052 MeV [8.972 MeV]
(A_Yb:1123)
 174Yb70 + 2 D* --> 174Yb70 + 4He2 + 23.847 MeV [-5.234 MeV]
(A_Yb:1124)
 174Yb70 + 2 D* --> 176Lu71 + 2H1 + 9.573 MeV [-19.507 MeV]
(A_Yb:1125)
 174Yb70 + 2 D* --> 178Hf72 + 21.766 MeV [-7.314 MeV]
(A_Yb:1126)

 174Yb70 + 3 D* --> 170Er68 + 10B5 + 30.521 MeV [-13.549 MeV]
(A_Yb:1127)
 174Yb70 + 3 D* --> 173Yb70 + 7Li3 + 25.106 MeV [-18.965 MeV]
(A_Yb:1128)
 174Yb70 + 3 D* --> 174Yb70 + 6Li3 + 25.320 MeV [-18.750 MeV]
(A_Yb:1129)
 174Yb70 + 3 D* --> 176Lu71 + 4He2 + 33.420 MeV [-10.651 MeV]
(A_Yb:1130)
 174Yb70 + 3 D* --> 178Hf72 + 2H1 + 21.766 MeV [-22.304 MeV]
(A_Yb:1131)
 174Yb70 + 3 D* --> 179Hf72 + 1H1 + 25.641 MeV [-18.430 MeV]
(A_Yb:1132)
 174Yb70 + 3 D* --> 180Ta73 + 31.394 MeV [-12.677 MeV]
(A_Yb:1133)

 174Yb70 + 4 D* --> 134Xe54 + 48Ca20 + 127.932 MeV [68.574 MeV]

(A_Yb:1134)
 174Yb70 + 4 D* --> 136Xe54 + 46Ca20 + 125.154 MeV [65.796 MeV]
(A_Yb:1135)
 174Yb70 + 4 D* --> 160Gd64 + 22Ne10 + 71.567 MeV [12.209 MeV]
(A_Yb:1136)
 174Yb70 + 4 D* --> 164Dy66 + 18O8 + 62.348 MeV [2.990 MeV]
(A_Yb:1137)
 174Yb70 + 4 D* --> 170Er68 + 12C6 + 55.708 MeV [-3.650 MeV]
(A_Yb:1138)
 174Yb70 + 4 D* --> 173Yb70 + 9Be4 + 41.802 MeV [-17.556 MeV]
(A_Yb:1139)
 174Yb70 + 4 D* --> 175Lu71 + 7Li3 + 35.856 MeV [-23.502 MeV]
(A_Yb:1140)
 174Yb70 + 4 D* --> 176Lu71 + 6Li3 + 34.894 MeV [-24.464 MeV]
(A_Yb:1141)
 174Yb70 + 4 D* --> 178Hf72 + 4He2 + 45.613 MeV [-13.745 MeV]
(A_Yb:1142)
 174Yb70 + 4 D* --> 179Hf72 + 3He2 + 31.134 MeV [-28.224 MeV]
(A_Yb:1143)
 174Yb70 + 4 D* --> 180Ta73 + 2H1 + 31.394 MeV [-27.964 MeV]
(A_Yb:1144)
 174Yb70 + 4 D* --> 181Ta73 + 1H1 + 36.746 MeV [-22.612 MeV]
(A_Yb:1145)
 174Yb70 + 4 D* --> 182W74 + 43.841 MeV [-15.517 MeV]
(A_Yb:1146)

 174Yb70 + 5 D* --> 170Er68 + 14N7 + 65.980 MeV [-8.960 MeV]
(A_Yb:1147)
 174Yb70 + 5 D* --> 173Yb70 + 11B5 + 57.617 MeV [-17.323 MeV]
(A_Yb:1148)
 174Yb70 + 5 D* --> 174Yb70 + 10B5 + 53.628 MeV [-21.312 MeV]
(A_Yb:1149)
 174Yb70 + 5 D* --> 175Lu71 + 9Be4 + 52.552 MeV [-22.388 MeV]
(A_Yb:1150)
 174Yb70 + 5 D* --> 177Hf72 + 7Li3 + 46.710 MeV [-28.230 MeV]
(A_Yb:1151)
 174Yb70 + 5 D* --> 178Hf72 + 6Li3 + 47.086 MeV [-27.854 MeV]
(A_Yb:1152)
 174Yb70 + 5 D* --> 180Ta73 + 4He2 + 55.240 MeV [-19.700 MeV]
(A_Yb:1153)
 174Yb70 + 5 D* --> 181Ta73 + 3He2 + 42.239 MeV [-32.701 MeV]
(A_Yb:1154)
 174Yb70 + 5 D* --> 182W74 + 2H1 + 43.841 MeV [-31.099 MeV]
(A_Yb:1155)
 174Yb70 + 5 D* --> 183W74 + 1H1 + 47.807 MeV [-27.133 MeV]
(A_Yb:1156)

 174Yb70 + 6 D* --> 136Xe54 + 50Ti22 + 159.717 MeV [68.901 MeV]
(A_Yb:1157)
 174Yb70 + 6 D* --> 138Ba56 + 48Ca20 + 154.340 MeV [63.525 MeV]
(A_Yb:1158)
 174Yb70 + 6 D* --> 150Nd60 + 36S16 + 126.218 MeV [35.403 MeV]
(A_Yb:1159)
 174Yb70 + 6 D* --> 160Gd64 + 26Mg12 + 106.028 MeV [15.212 MeV]

(A_Yb:1160)
174Yb70 + 6 D* --> 164Dy66 + 22Ne10 + 95.863 MeV [5.047 MeV]
(A_Yb:1161)
174Yb70 + 6 D* --> 168Er68 + 18O8 + 85.643 MeV [-5.173 MeV]
(A_Yb:1162)
174Yb70 + 6 D* --> 170Er68 + 16O8 + 86.716 MeV [-4.099 MeV]
(A_Yb:1163)
174Yb70 + 6 D* --> 173Yb70 + 13C6 + 76.296 MeV [-14.520 MeV]
(A_Yb:1164)
174Yb70 + 6 D* --> 174Yb70 + 12C6 + 78.814 MeV [-12.001 MeV]
(A_Yb:1165)
174Yb70 + 6 D* --> 175Lu71 + 11B5 + 68.367 MeV [-22.448 MeV]
(A_Yb:1166)
174Yb70 + 6 D* --> 176Lu71 + 10B5 + 63.201 MeV [-27.614 MeV]
(A_Yb:1167)
174Yb70 + 6 D* --> 177Hf72 + 9Be4 + 63.407 MeV [-27.409 MeV]
(A_Yb:1168)
174Yb70 + 6 D* --> 180Ta73 + 6Li3 + 56.714 MeV [-34.102 MeV]
(A_Yb:1169)
174Yb70 + 6 D* --> 182W74 + 4He2 + 67.687 MeV [-23.128 MeV]
(A_Yb:1170)
174Yb70 + 6 D* --> 183W74 + 3He2 + 53.301 MeV [-37.515 MeV]
(A_Yb:1171)
174Yb70 + 6 D* --> 185Re75 + 1H1 + 58.398 MeV [-32.418 MeV]
(A_Yb:1172)
174Yb70 + 6 D* --> 186Os76 + 64.864 MeV [-25.951 MeV]
(A_Yb:1173)

174Yb70 + 7 D* --> 173Yb70 + 15N7 + 92.455 MeV [-14.527 MeV]
(A_Yb:1174)
174Yb70 + 7 D* --> 174Yb70 + 14N7 + 89.087 MeV [-17.896 MeV]
(A_Yb:1175)
174Yb70 + 7 D* --> 175Lu71 + 13C6 + 87.046 MeV [-19.936 MeV]
(A_Yb:1176)
174Yb70 + 7 D* --> 176Lu71 + 12C6 + 88.388 MeV [-18.594 MeV]
(A_Yb:1177)
174Yb70 + 7 D* --> 177Hf72 + 11B5 + 79.222 MeV [-27.760 MeV]
(A_Yb:1178)
174Yb70 + 7 D* --> 178Hf72 + 10B5 + 75.394 MeV [-31.588 MeV]
(A_Yb:1179)
174Yb70 + 7 D* --> 182W74 + 6Li3 + 69.161 MeV [-37.821 MeV]
(A_Yb:1180)
174Yb70 + 7 D* --> 185Re75 + 3He2 + 63.891 MeV [-43.091 MeV]
(A_Yb:1181)
174Yb70 + 7 D* --> 186Os76 + 2H1 + 64.864 MeV [-42.118 MeV]
(A_Yb:1182)
174Yb70 + 7 D* --> 187Os76 + 1H1 + 68.930 MeV [-38.053 MeV]
(A_Yb:1183)

174Yb70 + 8 D* --> 136Xe54 + 54Cr24 + 191.494 MeV [68.056 MeV]
(A_Yb:1184)
174Yb70 + 8 D* --> 142Ce58 + 48Ca20 + 176.889 MeV [53.451 MeV]
(A_Yb:1185)
174Yb70 + 8 D* --> 150Nd60 + 40Ar18 + 156.866 MeV [33.428 MeV]

(A_Yb:1186)
174Yb70 + 8 D* --> 154Sm62 + 36S16 + 151.262 MeV [27.824 MeV]
(A_Yb:1187)
174Yb70 + 8 D* --> 160Gd64 + 30Si14 + 140.518 MeV [17.080 MeV]
(A_Yb:1188)
174Yb70 + 8 D* --> 164Dy66 + 26Mg12 + 130.324 MeV [6.886 MeV]
(A_Yb:1189)
174Yb70 + 8 D* --> 168Er68 + 22Ne10 + 119.158 MeV [-4.280 MeV]
(A_Yb:1190)
174Yb70 + 8 D* --> 170Er68 + 20Ne10 + 115.293 MeV [-8.145 MeV]
(A_Yb:1191)
174Yb70 + 8 D* --> 172Yb70 + 18O8 + 108.178 MeV [-15.260 MeV]
(A_Yb:1192)
174Yb70 + 8 D* --> 173Yb70 + 17O8 + 106.501 MeV [-16.937 MeV]
(A_Yb:1193)
174Yb70 + 8 D* --> 174Yb70 + 16O8 + 109.823 MeV [-13.615 MeV]
(A_Yb:1194)
174Yb70 + 8 D* --> 175Lu71 + 15N7 + 103.205 MeV [-20.233 MeV]
(A_Yb:1195)
174Yb70 + 8 D* --> 176Lu71 + 14N7 + 98.660 MeV [-24.778 MeV]
(A_Yb:1196)
174Yb70 + 8 D* --> 177Hf72 + 13C6 + 97.901 MeV [-25.537 MeV]
(A_Yb:1197)
174Yb70 + 8 D* --> 178Hf72 + 12C6 + 100.580 MeV [-22.857 MeV]
(A_Yb:1198)
174Yb70 + 8 D* --> 180Ta73 + 10B5 + 85.022 MeV [-38.416 MeV]
(A_Yb:1199)
174Yb70 + 8 D* --> 186Os76 + 4He2 + 88.711 MeV [-34.727 MeV]
(A_Yb:1200)
174Yb70 + 8 D* --> 187Os76 + 3He2 + 74.423 MeV [-49.015 MeV]
(A_Yb:1201)
174Yb70 + 8 D* --> 190Pt78 + 85.460 MeV [-37.978 MeV]
(A_Yb:1202)

174Yb70 + 9 D* --> 173Yb70 + 19F9 + 120.316 MeV [-19.865 MeV]
(A_Yb:1203)
174Yb70 + 9 D* --> 175Lu71 + 17O8 + 117.251 MeV [-22.930 MeV]
(A_Yb:1204)
174Yb70 + 9 D* --> 176Lu71 + 16O8 + 119.396 MeV [-20.785 MeV]
(A_Yb:1205)
174Yb70 + 9 D* --> 177Hf72 + 15N7 + 114.060 MeV [-26.121 MeV]
(A_Yb:1206)
174Yb70 + 9 D* --> 178Hf72 + 14N7 + 110.853 MeV [-29.328 MeV]
(A_Yb:1207)
174Yb70 + 9 D* --> 180Ta73 + 12C6 + 110.208 MeV [-29.973 MeV]
(A_Yb:1208)
174Yb70 + 9 D* --> 182W74 + 10B5 + 97.469 MeV [-42.712 MeV]
(A_Yb:1209)
174Yb70 + 9 D* --> 186Os76 + 6Li3 + 90.185 MeV [-49.996 MeV]
(A_Yb:1210)
174Yb70 + 9 D* --> 190Pt78 + 2H1 + 85.460 MeV [-54.721 MeV]
(A_Yb:1211)

174Yb70 + 10 D* --> 124Sn50 + 70Zn30 + 232.209 MeV [74.999 MeV]

(A_Yb:1212)
 174Yb70 + 10 D* --> 130Te52 + 64Ni28 + 228.858 MeV [71.649 MeV]
(A_Yb:1213)
 174Yb70 + 10 D* --> 136Xe54 + 58Fe26 + 222.986 MeV [65.777 MeV]
(A_Yb:1214)
 174Yb70 + 10 D* --> 146Nd60 + 48Ca20 + 199.553 MeV [42.343 MeV]
(A_Yb:1215)
 174Yb70 + 10 D* --> 148Nd60 + 46Ca20 + 194.956 MeV [37.747 MeV]
(A_Yb:1216)
 174Yb70 + 10 D* --> 150Nd60 + 44Ca20 + 189.566 MeV [32.356 MeV]
(A_Yb:1217)
 174Yb70 + 10 D* --> 154Sm62 + 40Ar18 + 181.909 MeV [24.700 MeV]
(A_Yb:1218)
 174Yb70 + 10 D* --> 158Gd64 + 36S16 + 175.768 MeV [18.559 MeV]
(A_Yb:1219)
 174Yb70 + 10 D* --> 160Gd64 + 34S16 + 172.288 MeV [15.078 MeV]
(A_Yb:1220)
 174Yb70 + 10 D* --> 164Dy66 + 30Si14 + 164.814 MeV [7.604 MeV]
(A_Yb:1221)
 174Yb70 + 10 D* --> 168Er68 + 26Mg12 + 153.619 MeV [-3.591 MeV]
(A_Yb:1222)
 174Yb70 + 10 D* --> 170Er68 + 24Mg12 + 148.456 MeV [-8.754 MeV]
(A_Yb:1223)
 174Yb70 + 10 D* --> 172Yb70 + 22Ne10 + 141.693 MeV [-15.517 MeV]
(A_Yb:1224)
 174Yb70 + 10 D* --> 173Yb70 + 21Ne10 + 137.696 MeV [-19.514 MeV]
(A_Yb:1225)
 174Yb70 + 10 D* --> 174Yb70 + 20Ne10 + 138.399 MeV [-18.810 MeV]
(A_Yb:1226)
 174Yb70 + 10 D* --> 175Lu71 + 19F9 + 131.066 MeV [-26.144 MeV]
(A_Yb:1227)
 174Yb70 + 10 D* --> 176Hf72 + 18O8 + 129.767 MeV [-27.443 MeV]
(A_Yb:1228)
 174Yb70 + 10 D* --> 177Hf72 + 17O8 + 128.106 MeV [-29.104 MeV]
(A_Yb:1229)
 174Yb70 + 10 D* --> 178Hf72 + 16O8 + 131.589 MeV [-25.621 MeV]
(A_Yb:1230)
 174Yb70 + 10 D* --> 180Ta73 + 14N7 + 120.480 MeV [-36.729 MeV]
(A_Yb:1231)
 174Yb70 + 10 D* --> 182W74 + 12C6 + 122.655 MeV [-34.554 MeV]
(A_Yb:1232)
 174Yb70 + 10 D* --> 190Pt78 + 4He2 + 109.306 MeV [-47.903 MeV]
(A_Yb:1233)

 174Yb70 + 11 D* --> 173Yb70 + 23Na11 + 154.629 MeV [-19.892 MeV]
(A_Yb:1234)
 174Yb70 + 11 D* --> 175Lu71 + 21Ne10 + 148.446 MeV [-26.076 MeV]
(A_Yb:1235)
 174Yb70 + 11 D* --> 176Lu71 + 20Ne10 + 147.973 MeV [-26.549 MeV]
(A_Yb:1236)
 174Yb70 + 11 D* --> 177Hf72 + 19F9 + 141.920 MeV [-32.601 MeV]
(A_Yb:1237)
 174Yb70 + 11 D* --> 180Ta73 + 16O8 + 141.217 MeV [-33.305 MeV]
(A_Yb:1238)

174Yb70 + 11 D* --> 182W74 + 14N7 + 132.927 MeV [-41.594 MeV]
(A_Yb:1239)
174Yb70 + 11 D* --> 186Os76 + 10B5 + 118.492 MeV [-56.030 MeV]
(A_Yb:1240)
174Yb70 + 11 D* --> 190Pt78 + 6Li3 + 110.780 MeV [-63.742 MeV]
(A_Yb:1241)

174Yb70 + 12 D* --> 116Cd48 + 82Se34 + 266.992 MeV [74.876 MeV]
(A_Yb:1242)
174Yb70 + 12 D* --> 122Sn50 + 76Ge32 + 263.838 MeV [71.722 MeV]
(A_Yb:1243)
174Yb70 + 12 D* --> 124Sn50 + 74Ge32 + 262.338 MeV [70.222 MeV]
(A_Yb:1244)
174Yb70 + 12 D* --> 128Te52 + 70Zn30 + 259.236 MeV [67.120 MeV]
(A_Yb:1245)
174Yb70 + 12 D* --> 130Te52 + 68Zn30 + 258.038 MeV [65.922 MeV]
(A_Yb:1246)
174Yb70 + 12 D* --> 134Xe54 + 64Ni28 + 255.903 MeV [63.787 MeV]
(A_Yb:1247)
174Yb70 + 12 D* --> 136Xe54 + 62Ni28 + 253.850 MeV [61.734 MeV]
(A_Yb:1248)
174Yb70 + 12 D* --> 148Nd60 + 50Ti22 + 229.519 MeV [37.403 MeV]
(A_Yb:1249)
174Yb70 + 12 D* --> 150Nd60 + 48Ti22 + 222.856 MeV [30.740 MeV]
(A_Yb:1250)
174Yb70 + 12 D* --> 150Sm62 + 48Ca20 + 221.951 MeV [29.834 MeV]
(A_Yb:1251)
174Yb70 + 12 D* --> 152Sm62 + 46Ca20 + 218.583 MeV [26.467 MeV]
(A_Yb:1252)
174Yb70 + 12 D* --> 154Sm62 + 44Ca20 + 214.609 MeV [22.493 MeV]
(A_Yb:1253)
174Yb70 + 12 D* --> 158Gd64 + 40Ar18 + 206.416 MeV [14.300 MeV]
(A_Yb:1254)
174Yb70 + 12 D* --> 160Gd64 + 38Ar18 + 203.342 MeV [11.226 MeV]
(A_Yb:1255)
174Yb70 + 12 D* --> 162Dy66 + 36S16 + 199.530 MeV [7.414 MeV]
(A_Yb:1256)
174Yb70 + 12 D* --> 164Dy66 + 34S16 + 196.584 MeV [4.468 MeV]
(A_Yb:1257)
174Yb70 + 12 D* --> 168Er68 + 30Si14 + 188.109 MeV [-4.007 MeV]
(A_Yb:1258)
174Yb70 + 12 D* --> 170Er68 + 28Si14 + 182.286 MeV [-9.830 MeV]
(A_Yb:1259)
174Yb70 + 12 D* --> 172Yb70 + 26Mg12 + 176.154 MeV [-15.962 MeV]
(A_Yb:1260)
174Yb70 + 12 D* --> 173Yb70 + 25Mg12 + 171.428 MeV [-20.688 MeV]
(A_Yb:1261)
174Yb70 + 12 D* --> 174Yb70 + 24Mg12 + 171.562 MeV [-20.554 MeV]
(A_Yb:1262)
174Yb70 + 12 D* --> 175Lu71 + 23Na11 + 165.380 MeV [-26.736 MeV]
(A_Yb:1263)
174Yb70 + 12 D* --> 176Hf72 + 22Ne10 + 163.281 MeV [-28.835 MeV]
(A_Yb:1264)
174Yb70 + 12 D* --> 177Hf72 + 21Ne10 + 159.300 MeV [-32.816 MeV]

(A_Yb:1265)
174Yb70 + 12 D* --> 178Hf72 + 20Ne10 + 160.165 MeV [-31.951 MeV]
(A_Yb:1266)
174Yb70 + 12 D* --> 180W74 + 18O8 + 151.105 MeV [-41.011 MeV]
(A_Yb:1267)
174Yb70 + 12 D* --> 182W74 + 16O8 + 153.664 MeV [-38.452 MeV]
(A_Yb:1268)
174Yb70 + 12 D* --> 186Os76 + 12C6 + 143.679 MeV [-48.438 MeV]
(A_Yb:1269)

176Yb70 + 2 D* --> 176Yb70 + 4He2 + 23.847 MeV [-5.126 MeV]
(A_Yb:1270)
176Yb70 + 2 D* --> 180Hf72 + 22.566 MeV [-6.407 MeV]
(A_Yb:1271)

176Yb70 + 3 D* --> 176Yb70 + 6Li3 + 25.320 MeV [-18.588 MeV]
(A_Yb:1272)
176Yb70 + 3 D* --> 180Hf72 + 2H1 + 22.566 MeV [-21.343 MeV]
(A_Yb:1273)

176Yb70 + 4 D* --> 136Xe54 + 48Ca20 + 129.688 MeV [70.546 MeV]
(A_Yb:1274)
176Yb70 + 4 D* --> 180Hf72 + 4He2 + 46.412 MeV [-12.730 MeV]
(A_Yb:1275)
176Yb70 + 4 D* --> 184W74 + 44.756 MeV [-14.386 MeV]
(A_Yb:1276)

176Yb70 + 5 D* --> 176Yb70 + 10B5 + 53.628 MeV [-21.043 MeV]
(A_Yb:1277)
176Yb70 + 5 D* --> 179Hf72 + 7Li3 + 47.748 MeV [-26.922 MeV]
(A_Yb:1278)
176Yb70 + 5 D* --> 180Hf72 + 6Li3 + 47.886 MeV [-26.785 MeV]
(A_Yb:1279)
176Yb70 + 5 D* --> 184W74 + 2H1 + 44.756 MeV [-29.915 MeV]
(A_Yb:1280)

176Yb70 + 6 D* --> 170Er68 + 18O8 + 86.216 MeV [-4.276 MeV]
(A_Yb:1281)
176Yb70 + 6 D* --> 176Yb70 + 12C6 + 78.814 MeV [-11.678 MeV]
(A_Yb:1282)
176Yb70 + 6 D* --> 179Hf72 + 9Be4 + 64.444 MeV [-26.048 MeV]
(A_Yb:1283)
176Yb70 + 6 D* --> 181Ta73 + 7Li3 + 58.854 MeV [-31.639 MeV]
(A_Yb:1284)
176Yb70 + 6 D* --> 184W74 + 4He2 + 68.603 MeV [-21.890 MeV]
(A_Yb:1285)
176Yb70 + 6 D* --> 187Re75 + 1H1 + 59.247 MeV [-31.246 MeV]
(A_Yb:1286)
176Yb70 + 6 D* --> 188Os76 + 66.457 MeV [-24.036 MeV]
(A_Yb:1287)

176Yb70 + 7 D* --> 176Yb70 + 14N7 + 89.087 MeV [-17.519 MeV]
(A_Yb:1288)

176Yb70 + 7 D* --> 179Hf72 + 11B5 + 80.260 MeV [-26.346 MeV]
(A_Yb:1289)
176Yb70 + 7 D* --> 180Hf72 + 10B5 + 76.194 MeV [-30.412 MeV]
(A_Yb:1290)
176Yb70 + 7 D* --> 181Ta73 + 9Be4 + 75.550 MeV [-31.056 MeV]
(A_Yb:1291)
176Yb70 + 7 D* --> 183W74 + 7Li3 + 69.915 MeV [-36.691 MeV]
(A_Yb:1292)
176Yb70 + 7 D* --> 184W74 + 6Li3 + 70.076 MeV [-36.529 MeV]
(A_Yb:1293)
176Yb70 + 7 D* --> 187Re75 + 3He2 + 64.740 MeV [-41.865 MeV]
(A_Yb:1294)
176Yb70 + 7 D* --> 188Os76 + 2H1 + 66.457 MeV [-40.149 MeV]
(A_Yb:1295)
176Yb70 + 7 D* --> 189Os76 + 1H1 + 70.152 MeV [-36.453 MeV]
(A_Yb:1296)

176Yb70 + 8 D* --> 170Er68 + 22Ne10 + 119.731 MeV [-3.277 MeV]
(A_Yb:1297)
176Yb70 + 8 D* --> 174Yb70 + 18O8 + 109.323 MeV [-13.685 MeV]
(A_Yb:1298)
176Yb70 + 8 D* --> 176Yb70 + 16O8 + 109.823 MeV [-13.185 MeV]
(A_Yb:1299)
176Yb70 + 8 D* --> 179Hf72 + 13C6 + 98.939 MeV [-24.069 MeV]
(A_Yb:1300)
176Yb70 + 8 D* --> 180Hf72 + 12C6 + 101.380 MeV [-21.628 MeV]
(A_Yb:1301)
176Yb70 + 8 D* --> 181Ta73 + 11B5 + 91.365 MeV [-31.642 MeV]
(A_Yb:1302)
176Yb70 + 8 D* --> 183W74 + 9Be4 + 86.611 MeV [-36.397 MeV]
(A_Yb:1303)
176Yb70 + 8 D* --> 185Re75 + 7Li3 + 80.506 MeV [-42.502 MeV]
(A_Yb:1304)
176Yb70 + 8 D* --> 188Os76 + 4He2 + 90.303 MeV [-32.705 MeV]
(A_Yb:1305)
176Yb70 + 8 D* --> 189Os76 + 3He2 + 75.646 MeV [-47.362 MeV]
(A_Yb:1306)
176Yb70 + 8 D* --> 191Ir77 + 1H1 + 81.009 MeV [-41.999 MeV]
(A_Yb:1307)
176Yb70 + 8 D* --> 192Pt78 + 87.885 MeV [-35.123 MeV]
(A_Yb:1308)

176Yb70 + 9 D* --> 176Lu71 + 18O8 + 118.896 MeV [-20.801 MeV]
(A_Yb:1309)
176Yb70 + 9 D* --> 179Hf72 + 15N7 + 115.098 MeV [-24.600 MeV]
(A_Yb:1310)
176Yb70 + 9 D* --> 180Hf72 + 14N7 + 111.652 MeV [-28.045 MeV]
(A_Yb:1311)
176Yb70 + 9 D* --> 181Ta73 + 13C6 + 110.044 MeV [-29.654 MeV]
(A_Yb:1312)
176Yb70 + 9 D* --> 183W74 + 11B5 + 102.426 MeV [-37.271 MeV]
(A_Yb:1313)
176Yb70 + 9 D* --> 184W74 + 10B5 + 98.384 MeV [-41.314 MeV]
(A_Yb:1314)

176Yb70 + 9 D* --> 185Re75 + 9Be4 + 97.202 MeV [-42.496 MeV]
(A_Yb:1315)
176Yb70 + 9 D* --> 187Os76 + 7Li3 + 91.037 MeV [-48.660 MeV]
(A_Yb:1316)
176Yb70 + 9 D* --> 188Os76 + 6Li3 + 91.777 MeV [-47.921 MeV]
(A_Yb:1317)
176Yb70 + 9 D* --> 191Ir77 + 3He2 + 86.503 MeV [-53.195 MeV]
(A_Yb:1318)
176Yb70 + 9 D* --> 192Pt78 + 2H1 + 87.885 MeV [-51.813 MeV]
(A_Yb:1319)

176Yb70 + 10 D* --> 148Nd60 + 48Ca20 + 199.491 MeV [42.818 MeV]
(A_Yb:1320)
176Yb70 + 10 D* --> 150Nd60 + 46Ca20 + 194.688 MeV [38.015 MeV]
(A_Yb:1321)
176Yb70 + 10 D* --> 160Gd64 + 36S16 + 176.476 MeV [19.803 MeV]
(A_Yb:1322)
176Yb70 + 10 D* --> 170Er68 + 26Mg12 + 154.192 MeV [-2.481 MeV]
(A_Yb:1323)
176Yb70 + 10 D* --> 174Yb70 + 22Ne10 + 142.837 MeV [-13.836 MeV]
(A_Yb:1324)
176Yb70 + 10 D* --> 176Yb70 + 20Ne10 + 138.399 MeV [-18.274 MeV]
(A_Yb:1325)
176Yb70 + 10 D* --> 178Hf72 + 18O8 + 131.089 MeV [-25.584 MeV]
(A_Yb:1326)
176Yb70 + 10 D* --> 179Hf72 + 17O8 + 129.144 MeV [-27.529 MeV]
(A_Yb:1327)
176Yb70 + 10 D* --> 180Hf72 + 16O8 + 132.388 MeV [-24.285 MeV]
(A_Yb:1328)
176Yb70 + 10 D* --> 181Ta73 + 15N7 + 126.203 MeV [-30.470 MeV]
(A_Yb:1329)
176Yb70 + 10 D* --> 183W74 + 13C6 + 121.105 MeV [-35.568 MeV]
(A_Yb:1330)
176Yb70 + 10 D* --> 184W74 + 12C6 + 123.570 MeV [-33.103 MeV]
(A_Yb:1331)
176Yb70 + 10 D* --> 185Re75 + 11B5 + 113.017 MeV [-43.656 MeV]
(A_Yb:1332)
176Yb70 + 10 D* --> 187Os76 + 9Be4 + 107.734 MeV [-48.939 MeV]
(A_Yb:1333)
176Yb70 + 10 D* --> 192Pt78 + 4He2 + 111.731 MeV [-44.942 MeV]
(A_Yb:1334)
176Yb70 + 10 D* --> 196Hg80 + 109.690 MeV [-46.983 MeV]
(A_Yb:1335)

176Yb70 + 11 D* --> 176Lu71 + 22Ne10 + 152.411 MeV [-21.521 MeV]
(A_Yb:1336)
176Yb70 + 11 D* --> 179Hf72 + 19F9 + 142.958 MeV [-30.974 MeV]
(A_Yb:1337)
176Yb70 + 11 D* --> 180Ta73 + 18O8 + 140.717 MeV [-33.216 MeV]
(A_Yb:1338)
176Yb70 + 11 D* --> 181Ta73 + 17O8 + 140.249 MeV [-33.683 MeV]
(A_Yb:1339)
176Yb70 + 11 D* --> 183W74 + 15N7 + 137.264 MeV [-36.668 MeV]
(A_Yb:1340)

176Yb70 + 11 D* --> 184W74 + 14N7 + 133.843 MeV [-40.090 MeV]
(A_Yb:1341)
176Yb70 + 11 D* --> 185Re75 + 13C6 + 131.696 MeV [-42.236 MeV]
(A_Yb:1342)
176Yb70 + 11 D* --> 187Os76 + 11B5 + 123.549 MeV [-50.383 MeV]
(A_Yb:1343)
176Yb70 + 11 D* --> 188Os76 + 10B5 + 120.085 MeV [-53.848 MeV]
(A_Yb:1344)
176Yb70 + 11 D* --> 192Pt78 + 6Li3 + 113.205 MeV [-60.727 MeV]
(A_Yb:1345)
176Yb70 + 11 D* --> 196Hg80 + 2H1 + 109.690 MeV [-64.242 MeV]
(A_Yb:1346)

176Yb70 + 12 D* --> 124Sn50 + 76Ge32 + 265.584 MeV [74.111 MeV]
(A_Yb:1347)
176Yb70 + 12 D* --> 130Te52 + 70Zn30 + 261.051 MeV [69.577 MeV]
(A_Yb:1348)
176Yb70 + 12 D* --> 136Xe54 + 64Ni28 + 257.659 MeV [66.185 MeV]
(A_Yb:1349)
176Yb70 + 12 D* --> 150Nd60 + 50Ti22 + 229.251 MeV [37.777 MeV]
(A_Yb:1350)
176Yb70 + 12 D* --> 152Sm62 + 48Ca20 + 223.117 MeV [31.644 MeV]
(A_Yb:1351)
176Yb70 + 12 D* --> 154Sm62 + 46Ca20 + 219.731 MeV [28.258 MeV]
(A_Yb:1352)
176Yb70 + 12 D* --> 160Gd64 + 40Ar18 + 207.123 MeV [15.650 MeV]
(A_Yb:1353)
176Yb70 + 12 D* --> 164Dy66 + 36S16 + 200.772 MeV [9.298 MeV]
(A_Yb:1354)
176Yb70 + 12 D* --> 170Er68 + 30Si14 + 188.682 MeV [-2.791 MeV]
(A_Yb:1355)
176Yb70 + 12 D* --> 174Yb70 + 26Mg12 + 177.299 MeV [-14.175 MeV]
(A_Yb:1356)
176Yb70 + 12 D* --> 176Yb70 + 24Mg12 + 171.562 MeV [-19.911 MeV]
(A_Yb:1357)
176Yb70 + 12 D* --> 178Hf72 + 22Ne10 + 164.604 MeV [-26.870 MeV]
(A_Yb:1358)
176Yb70 + 12 D* --> 179Hf72 + 21Ne10 + 160.338 MeV [-31.135 MeV]
(A_Yb:1359)
176Yb70 + 12 D* --> 180Hf72 + 20Ne10 + 160.965 MeV [-30.509 MeV]
(A_Yb:1360)
176Yb70 + 12 D* --> 181Ta73 + 19F9 + 154.064 MeV [-37.410 MeV]
(A_Yb:1361)
176Yb70 + 12 D* --> 182W74 + 18O8 + 153.164 MeV [-38.310 MeV]
(A_Yb:1362)
176Yb70 + 12 D* --> 183W74 + 17O8 + 151.310 MeV [-40.163 MeV]
(A_Yb:1363)
176Yb70 + 12 D* --> 184W74 + 16O8 + 154.579 MeV [-36.895 MeV]
(A_Yb:1364)
176Yb70 + 12 D* --> 185Re75 + 15N7 + 147.855 MeV [-43.618 MeV]
(A_Yb:1365)
176Yb70 + 12 D* --> 187Os76 + 13C6 + 142.228 MeV [-49.246 MeV]
(A_Yb:1366)
176Yb70 + 12 D* --> 188Os76 + 12C6 + 145.271 MeV [-46.203 MeV]

(A_Yb:1367)
176Yb70 + 12 D* --> 196Hg80 + 4He2 + 133.536 MeV [-57.937 MeV]
(A_Yb:1368)

---------- Equations follow for Lutetium, Lu, element 71 ----------

175Lu71 + D* --> 160Gd64 + 17O8 + 26.722 MeV [12.155 MeV] (A_Lu:1)
175Lu71 + D* --> 164Dy66 + 13C6 + 20.813 MeV [6.246 MeV] (A_Lu:2)
175Lu71 + D* --> 168Er68 + 9Be4 + 9.614 MeV [-4.953 MeV] (A_Lu:3)
175Lu71 + D* --> 173Yb70 + 4He2 + 13.096 MeV [-1.471 MeV] (A_Lu:4)
175Lu71 + D* --> 176Lu71 + 1H1 + 4.063 MeV [-10.504 MeV] (A_Lu:5)
175Lu71 + D* --> 177Hf72 + 10.855 MeV [-3.713 MeV] (A_Lu:6)

175Lu71 + 2 D* --> 160Gd64 + 19F9 + 40.537 MeV [11.102 MeV] (A_Lu:7)
175Lu71 + 2 D* --> 164Dy66 + 15N7 + 36.973 MeV [7.538 MeV] (A_Lu:8)
175Lu71 + 2 D* --> 168Er68 + 11B5 + 25.430 MeV [-4.005 MeV] (A_Lu:9)
175Lu71 + 2 D* --> 172Yb70 + 7Li3 + 15.453 MeV [-13.982 MeV] (A_Lu:10)
175Lu71 + 2 D* --> 173Yb70 + 6Li3 + 14.570 MeV [-14.865 MeV] (A_Lu:11)
175Lu71 + 2 D* --> 175Lu71 + 4He2 + 23.847 MeV [-5.588 MeV] (A_Lu:12)
175Lu71 + 2 D* --> 176Lu71 + 3He2 + 9.557 MeV [-19.878 MeV] (A_Lu:13)
175Lu71 + 2 D* --> 177Hf72 + 2H1 + 10.855 MeV [-18.580 MeV] (A_Lu:14)
175Lu71 + 2 D* --> 178Hf72 + 1H1 + 16.256 MeV [-13.179 MeV] (A_Lu:15)

175Lu71 + 3 D* --> 160Gd64 + 21Ne10 + 57.917 MeV [13.317 MeV] (A_Lu:16)
175Lu71 + 3 D* --> 163Dy66 + 18O8 + 51.404 MeV [6.804 MeV] (A_Lu:17)
175Lu71 + 3 D* --> 164Dy66 + 17O8 + 51.019 MeV [6.418 MeV] (A_Lu:18)
175Lu71 + 3 D* --> 168Er68 + 13C6 + 44.108 MeV [-0.492 MeV] (A_Lu:19)
175Lu71 + 3 D* --> 172Yb70 + 9Be4 + 32.149 MeV [-12.451 MeV] (A_Lu:20)
175Lu71 + 3 D* --> 175Lu71 + 6Li3 + 25.320 MeV [-19.280 MeV] (A_Lu:21)
175Lu71 + 3 D* --> 177Hf72 + 4He2 + 34.701 MeV [-9.899 MeV] (A_Lu:22)
175Lu71 + 3 D* --> 178Hf72 + 3He2 + 21.750 MeV [-22.851 MeV] (A_Lu:23)
175Lu71 + 3 D* --> 180Ta73 + 1H1 + 25.884 MeV [-18.717 MeV] (A_Lu:24)

175Lu71 + 4 D* --> 160Gd64 + 23Na11 + 74.851 MeV [14.789 MeV] (A_Lu:25)
175Lu71 + 4 D* --> 164Dy66 + 19F9 + 64.833 MeV [4.772 MeV] (A_Lu:26)
175Lu71 + 4 D* --> 165Ho67 + 18O8 + 63.058 MeV [2.997 MeV] (A_Lu:27)
175Lu71 + 4 D* --> 168Er68 + 15N7 + 60.267 MeV [00.206 MeV] (A_Lu:28)
175Lu71 + 4 D* --> 172Yb70 + 11B5 + 47.965 MeV [-12.097 MeV] (A_Lu:29)
175Lu71 + 4 D* --> 173Yb70 + 10B5 + 42.878 MeV [-17.183 MeV] (A_Lu:30)
175Lu71 + 4 D* --> 176Hf72 + 7Li3 + 37.042 MeV [-23.020 MeV] (A_Lu:31)
175Lu71 + 4 D* --> 177Hf72 + 6Li3 + 36.175 MeV [-23.886 MeV] (A_Lu:32)
175Lu71 + 4 D* --> 180Ta73 + 3He2 + 31.377 MeV [-28.684 MeV] (A_Lu:33)
175Lu71 + 4 D* --> 182W74 + 1H1 + 38.331 MeV [-21.730 MeV] (A_Lu:34)

175Lu71 + 5 D* --> 136Xe54 + 49Ti22 + 145.492 MeV [69.676 MeV] (A_Lu:35)
175Lu71 + 5 D* --> 137Ba56 + 48Ca20 + 142.443 MeV [66.627 MeV] (A_Lu:36)
175Lu71 + 5 D* --> 160Gd64 + 25Mg12 + 91.649 MeV [15.834 MeV] (A_Lu:37)
175Lu71 + 5 D* --> 163Dy66 + 22Ne10 + 84.919 MeV [9.103 MeV] (A_Lu:38)
175Lu71 + 5 D* --> 164Dy66 + 21Ne10 + 82.213 MeV [6.397 MeV] (A_Lu:39)
175Lu71 + 5 D* --> 167Er68 + 18O8 + 74.586 MeV [-1.230 MeV] (A_Lu:40)
175Lu71 + 5 D* --> 168Er68 + 17O8 + 74.313 MeV [-1.502 MeV] (A_Lu:41)
175Lu71 + 5 D* --> 172Yb70 + 13C6 + 66.643 MeV [-9.173 MeV] (A_Lu:42)
175Lu71 + 5 D* --> 173Yb70 + 12C6 + 68.064 MeV [-7.752 MeV] (A_Lu:43)
175Lu71 + 5 D* --> 175Lu71 + 10B5 + 53.628 MeV [-22.188 MeV] (A_Lu:44)

175Lu71 + 5 D* --> 176Hf72 + 9Be4 + 53.738 MeV [-22.078 MeV] (A_Lu:45)
175Lu71 + 5 D* --> 182W74 + 3He2 + 43.824 MeV [-31.992 MeV] (A_Lu:46)

175Lu71 + 6 D* --> 136Xe54 + 51V23 + 162.270 MeV [70.408 MeV] (A_Lu:47)
175Lu71 + 6 D* --> 139La57 + 48Ca20 + 155.089 MeV [63.227 MeV] (A_Lu:48)
175Lu71 + 6 D* --> 150Nd60 + 37Cl17 + 129.095 MeV [37.233 MeV] (A_Lu:49)
175Lu71 + 6 D* --> 160Gd64 + 27Al13 + 108.789 MeV [16.927 MeV] (A_Lu:50)
175Lu71 + 6 D* --> 164Dy66 + 23Na11 + 99.147 MeV [7.285 MeV] (A_Lu:51)
175Lu71 + 6 D* --> 165Ho67 + 22Ne10 + 96.573 MeV [4.711 MeV] (A_Lu:52)
175Lu71 + 6 D* --> 168Er68 + 19F9 + 88.128 MeV [-3.734 MeV] (A_Lu:53)
175Lu71 + 6 D* --> 169Tm69 + 18O8 + 85.705 MeV [-6.157 MeV] (A_Lu:54)
175Lu71 + 6 D* --> 172Yb70 + 15N7 + 82.802 MeV [-9.060 MeV] (A_Lu:55)
175Lu71 + 6 D* --> 173Yb70 + 14N7 + 78.336 MeV [-13.526 MeV] (A_Lu:56)
175Lu71 + 6 D* --> 175Lu71 + 12C6 + 78.814 MeV [-13.048 MeV] (A_Lu:57)
175Lu71 + 6 D* --> 176Hf72 + 11B5 + 69.553 MeV [-22.309 MeV] (A_Lu:58)
175Lu71 + 6 D* --> 177Hf72 + 10B5 + 64.483 MeV [-27.380 MeV] (A_Lu:59)
175Lu71 + 6 D* --> 180W74 + 7Li3 + 58.380 MeV [-33.482 MeV] (A_Lu:60)
175Lu71 + 6 D* --> 186Os76 + 1H1 + 59.354 MeV [-32.508 MeV] (A_Lu:61)

175Lu71 + 7 D* --> 136Xe54 + 53Cr24 + 178.489 MeV [70.291 MeV] (A_Lu:62)
175Lu71 + 7 D* --> 160Gd64 + 29Si14 + 126.623 MeV [18.425 MeV] (A_Lu:63)
175Lu71 + 7 D* --> 163Dy66 + 26Mg12 + 119.380 MeV [11.182 MeV] (A_Lu:64)
175Lu71 + 7 D* --> 164Dy66 + 25Mg12 + 115.945 MeV [7.747 MeV] (A_Lu:65)
175Lu71 + 7 D* --> 167Er68 + 22Ne10 + 108.101 MeV [-0.098 MeV] (A_Lu:66)
175Lu71 + 7 D* --> 168Er68 + 21Ne10 + 105.508 MeV [-2.690 MeV] (A_Lu:67)
175Lu71 + 7 D* --> 171Yb70 + 18O8 + 96.873 MeV [-11.325 MeV] (A_Lu:68)
175Lu71 + 7 D* --> 172Yb70 + 17O8 + 96.848 MeV [-11.350 MeV] (A_Lu:69)
175Lu71 + 7 D* --> 173Yb70 + 16O8 + 99.073 MeV [-9.126 MeV] (A_Lu:70)
175Lu71 + 7 D* --> 175Lu71 + 14N7 + 89.087 MeV [-19.112 MeV] (A_Lu:71)
175Lu71 + 7 D* --> 176Hf72 + 13C6 + 88.232 MeV [-19.966 MeV] (A_Lu:72)
175Lu71 + 7 D* --> 177Hf72 + 12C6 + 89.669 MeV [-18.529 MeV] (A_Lu:73)
175Lu71 + 7 D* --> 180W74 + 9Be4 + 75.076 MeV [-33.122 MeV] (A_Lu:74)
175Lu71 + 7 D* --> 186Os76 + 3He2 + 64.848 MeV [-43.351 MeV] (A_Lu:75)

175Lu71 + 8 D* --> 136Xe54 + 55Mn25 + 194.051 MeV [69.228 MeV] (A_Lu:76)
175Lu71 + 8 D* --> 150Nd60 + 41K19 + 159.164 MeV [34.341 MeV] (A_Lu:77)
175Lu71 + 8 D* --> 154Sm62 + 37Cl17 + 154.138 MeV [29.316 MeV] (A_Lu:78)
175Lu71 + 8 D* --> 160Gd64 + 31P15 + 142.305 MeV [17.482 MeV] (A_Lu:79)
175Lu71 + 8 D* --> 164Dy66 + 27Al13 + 133.085 MeV [8.263 MeV] (A_Lu:80)
175Lu71 + 8 D* --> 165Ho67 + 26Mg12 + 131.034 MeV [6.212 MeV] (A_Lu:81)
175Lu71 + 8 D* --> 168Er68 + 23Na11 + 122.442 MeV [-2.381 MeV] (A_Lu:82)
175Lu71 + 8 D* --> 169Tm69 + 22Ne10 + 119.220 MeV [-5.603 MeV] (A_Lu:83)
175Lu71 + 8 D* --> 172Yb70 + 19F9 + 110.663 MeV [-14.160 MeV] (A_Lu:84)
175Lu71 + 8 D* --> 175Lu71 + 16O8 + 109.823 MeV [-15.000 MeV] (A_Lu:85)
175Lu71 + 8 D* --> 176Hf72 + 15N7 + 104.391 MeV [-20.431 MeV] (A_Lu:86)
175Lu71 + 8 D* --> 177Hf72 + 14N7 + 99.941 MeV [-24.881 MeV] (A_Lu:87)
175Lu71 + 8 D* --> 180W74 + 11B5 + 90.892 MeV [-33.931 MeV] (A_Lu:88)
175Lu71 + 8 D* --> 184Os76 + 7Li3 + 79.263 MeV [-45.559 MeV] (A_Lu:89)
175Lu71 + 8 D* --> 190Pt78 + 1H1 + 79.950 MeV [-44.873 MeV] (A_Lu:90)

175Lu71 + 9 D* --> 136Xe54 + 57Fe26 + 209.656 MeV [67.924 MeV] (A_Lu:91)
175Lu71 + 9 D* --> 145Nd60 + 48Ca20 + 188.702 MeV [46.970 MeV] (A_Lu:92)
175Lu71 + 9 D* --> 150Nd60 + 43Ca20 + 175.149 MeV [33.417 MeV] (A_Lu:93)
175Lu71 + 9 D* --> 157Gd64 + 36S16 + 164.546 MeV [22.813 MeV] (A_Lu:94)

175Lu71 + 9 D* --> 160Gd64 + 33S16 + 157.585 MeV [15.853 MeV] (A_Lu:95)
175Lu71 + 9 D* --> 163Dy66 + 30Si14 + 153.870 MeV [12.138 MeV] (A_Lu:96)
175Lu71 + 9 D* --> 164Dy66 + 29Si14 + 150.919 MeV [9.187 MeV] (A_Lu:97)
175Lu71 + 9 D* --> 167Er68 + 26Mg12 + 142.562 MeV [00.830 MeV] (A_Lu:98)
175Lu71 + 9 D* --> 168Er68 + 25Mg12 + 139.240 MeV [-2.492 MeV] (A_Lu:99)
175Lu71 + 9 D* --> 171Yb70 + 22Ne10 + 130.388 MeV [-11.345 MeV] (A_Lu:100)
175Lu71 + 9 D* --> 172Yb70 + 21Ne10 + 128.043 MeV [-13.690 MeV] (A_Lu:101)
175Lu71 + 9 D* --> 173Yb70 + 20Ne10 + 127.649 MeV [-14.084 MeV] (A_Lu:102)
175Lu71 + 9 D* --> 176Hf72 + 17O8 + 118.437 MeV [-23.295 MeV] (A_Lu:103)
175Lu71 + 9 D* --> 177Hf72 + 16O8 + 120.677 MeV [-21.055 MeV] (A_Lu:104)
175Lu71 + 9 D* --> 180W74 + 13C6 + 109.570 MeV [-32.162 MeV] (A_Lu:105)
175Lu71 + 9 D* --> 184Os76 + 9Be4 + 95.959 MeV [-45.773 MeV] (A_Lu:106)
175Lu71 + 9 D* --> 190Pt78 + 3He2 + 85.443 MeV [-56.290 MeV] (A_Lu:107)

175Lu71 + 10 D* --> 124Sn50 + 71Ga31 + 234.564 MeV [75.637 MeV] (A_Lu:108)
175Lu71 + 10 D* --> 130Te52 + 65Cu29 + 230.802 MeV [71.875 MeV] (A_Lu:109)
175Lu71 + 10 D* --> 136Xe54 + 59Co27 + 224.840 MeV [65.913 MeV] (A_Lu:110)
175Lu71 + 10 D* --> 150Nd60 + 45Sc21 + 190.944 MeV [32.017 MeV] (A_Lu:111)
175Lu71 + 10 D* --> 154Sm62 + 41K19 + 184.207 MeV [25.280 MeV] (A_Lu:112)
175Lu71 + 10 D* --> 158Gd64 + 37Cl17 + 178.645 MeV [19.718 MeV] (A_Lu:113)
175Lu71 + 10 D* --> 160Gd64 + 35Cl17 + 173.149 MeV [14.222 MeV] (A_Lu:114)
175Lu71 + 10 D* --> 159Tb65 + 36S16 + 176.390 MeV [17.463 MeV] (A_Lu:115)
175Lu71 + 10 D* --> 164Dy66 + 31P15 + 166.601 MeV [7.674 MeV] (A_Lu:116)
175Lu71 + 10 D* --> 165Ho67 + 30Si14 + 165.524 MeV [6.597 MeV] (A_Lu:117)
175Lu71 + 10 D* --> 168Er68 + 27Al13 + 156.380 MeV [-2.547 MeV] (A_Lu:118)
175Lu71 + 10 D* --> 169Tm69 + 26Mg12 + 153.681 MeV [-5.246 MeV] (A_Lu:119)
175Lu71 + 10 D* --> 172Yb70 + 23Na11 + 144.977 MeV [-13.950 MeV] (A_Lu:120)
175Lu71 + 10 D* --> 175Lu71 + 20Ne10 + 138.399 MeV [-20.528 MeV] (A_Lu:121)
175Lu71 + 10 D* --> 176Hf72 + 19F9 + 132.251 MeV [-26.676 MeV] (A_Lu:122)
175Lu71 + 10 D* --> 180W74 + 15N7 + 125.730 MeV [-33.197 MeV] (A_Lu:123)
175Lu71 + 10 D* --> 184Os76 + 11B5 + 111.775 MeV [-47.152 MeV] (A_Lu:124)

175Lu71 + 11 D* --> 124Sn50 + 73Ge32 + 248.857 MeV [72.453 MeV] (A_Lu:125)
175Lu71 + 11 D* --> 130Te52 + 67Zn30 + 244.554 MeV [68.150 MeV] (A_Lu:126)
175Lu71 + 11 D* --> 136Xe54 + 61Ni28 + 239.968 MeV [63.564 MeV] (A_Lu:127)
175Lu71 + 11 D* --> 148Nd60 + 49Ti22 + 215.294 MeV [38.891 MeV] (A_Lu:128)
175Lu71 + 11 D* --> 150Nd60 + 47Ti22 + 207.944 MeV [31.540 MeV] (A_Lu:129)
175Lu71 + 11 D* --> 149Sm62 + 48Ca20 + 210.678 MeV [34.274 MeV] (A_Lu:130)
175Lu71 + 11 D* --> 154Sm62 + 43Ca20 + 200.192 MeV [23.789 MeV] (A_Lu:131)
175Lu71 + 11 D* --> 157Gd64 + 40Ar18 + 195.193 MeV [18.789 MeV] (A_Lu:132)
175Lu71 + 11 D* --> 161Dy66 + 36S16 + 188.047 MeV [11.644 MeV] (A_Lu:133)
175Lu71 + 11 D* --> 163Dy66 + 34S16 + 185.641 MeV [9.237 MeV] (A_Lu:134)
175Lu71 + 11 D* --> 164Dy66 + 33S16 + 181.882 MeV [5.478 MeV] (A_Lu:135)
175Lu71 + 11 D* --> 167Er68 + 30Si14 + 177.052 MeV [00.648 MeV] (A_Lu:136)
175Lu71 + 11 D* --> 168Er68 + 29Si14 + 174.214 MeV [-2.190 MeV] (A_Lu:137)
175Lu71 + 11 D* --> 171Yb70 + 26Mg12 + 164.849 MeV [-11.555 MeV] (A_Lu:138)
175Lu71 + 11 D* --> 172Yb70 + 25Mg12 + 161.775 MeV [-14.629 MeV] (A_Lu:139)
175Lu71 + 11 D* --> 173Yb70 + 24Mg12 + 160.812 MeV [-15.592 MeV] (A_Lu:140)
175Lu71 + 11 D* --> 176Hf72 + 21Ne10 + 149.632 MeV [-26.772 MeV] (A_Lu:141)
175Lu71 + 11 D* --> 177Hf72 + 20Ne10 + 149.254 MeV [-27.150 MeV] (A_Lu:142)
175Lu71 + 11 D* --> 180W74 + 17O8 + 139.776 MeV [-36.628 MeV] (A_Lu:143)
175Lu71 + 11 D* --> 184Os76 + 13C6 + 130.453 MeV [-45.950 MeV] (A_Lu:144)

175Lu71 + 12 D* --> 124Sn50 + 75As33 + 263.727 MeV [69.566 MeV] (A_Lu:145)

175Lu71 + 12 D* --> 123Sb51 + 76Ge32 + 264.895 MeV [70.734 MeV] (A_Lu:146)
175Lu71 + 12 D* --> 128Te52 + 71Ga31 + 261.590 MeV [67.429 MeV] (A_Lu:147)
175Lu71 + 12 D* --> 130Te52 + 69Ga31 + 259.137 MeV [64.976 MeV] (A_Lu:148)
175Lu71 + 12 D* --> 134Xe54 + 65Cu29 + 257.846 MeV [63.685 MeV] (A_Lu:149)
175Lu71 + 12 D* --> 136Xe54 + 63Cu29 + 254.463 MeV [60.301 MeV] (A_Lu:150)
175Lu71 + 12 D* --> 148Nd60 + 51V23 + 232.073 MeV [37.911 MeV] (A_Lu:151)
175Lu71 + 12 D* --> 154Sm62 + 45Sc21 + 215.987 MeV [21.826 MeV] (A_Lu:152)
175Lu71 + 12 D* --> 151Eu63 + 48Ca20 + 221.331 MeV [27.170 MeV] (A_Lu:153)
175Lu71 + 12 D* --> 153Eu63 + 46Ca20 + 218.967 MeV [24.805 MeV] (A_Lu:154)
175Lu71 + 12 D* --> 158Gd64 + 41K19 + 208.714 MeV [14.552 MeV] (A_Lu:155)
175Lu71 + 12 D* --> 160Gd64 + 39K19 + 204.214 MeV [10.052 MeV] (A_Lu:156)
175Lu71 + 12 D* --> 159Tb65 + 40Ar18 + 207.037 MeV [12.875 MeV] (A_Lu:157)
175Lu71 + 12 D* --> 162Dy66 + 37Cl17 + 202.406 MeV [8.245 MeV] (A_Lu:158)
175Lu71 + 12 D* --> 164Dy66 + 35Cl17 + 197.445 MeV [3.283 MeV] (A_Lu:159)
175Lu71 + 12 D* --> 165Ho67 + 34S16 + 197.294 MeV [3.133 MeV] (A_Lu:160)
175Lu71 + 12 D* --> 168Er68 + 31P15 + 189.896 MeV [-4.266 MeV] (A_Lu:161)
175Lu71 + 12 D* --> 169Tm69 + 30Si14 + 188.171 MeV [-5.991 MeV] (A_Lu:162)
175Lu71 + 12 D* --> 172Yb70 + 27Al13 + 178.915 MeV [-15.247 MeV] (A_Lu:163)
175Lu71 + 12 D* --> 175Lu71 + 24Mg12 + 171.562 MeV [-22.599 MeV] (A_Lu:164)
175Lu71 + 12 D* --> 176Hf72 + 23Na11 + 166.565 MeV [-27.596 MeV] (A_Lu:165)
175Lu71 + 12 D* --> 180W74 + 19F9 + 153.590 MeV [-40.572 MeV] (A_Lu:166)
175Lu71 + 12 D* --> 184Os76 + 15N7 + 146.613 MeV [-47.549 MeV] (A_Lu:167)

176Lu71 + D* --> 130Te52 + 48Ca20 + 91.314 MeV [76.774 MeV] (A_Lu:168)
176Lu71 + D* --> 160Gd64 + 18O8 + 28.479 MeV [13.938 MeV] (A_Lu:169)
176Lu71 + D* --> 174Yb70 + 4He2 + 14.273 MeV [-0.267 MeV] (A_Lu:170)
176Lu71 + D* --> 178Hf72 + 12.193 MeV [-2.348 MeV] (A_Lu:171)

176Lu71 + 2 D* --> 170Er68 + 10B5 + 20.948 MeV [-8.432 MeV] (A_Lu:172)
176Lu71 + 2 D* --> 173Yb70 + 7Li3 + 15.532 MeV [-13.848 MeV] (A_Lu:173)
176Lu71 + 2 D* --> 174Yb70 + 6Li3 + 15.747 MeV [-13.633 MeV] (A_Lu:174)
176Lu71 + 2 D* --> 176Lu71 + 4He2 + 23.847 MeV [-5.534 MeV] (A_Lu:175)
176Lu71 + 2 D* --> 178Hf72 + 2H1 + 12.193 MeV [-17.188 MeV] (A_Lu:176)
176Lu71 + 2 D* --> 179Hf72 + 1H1 + 16.067 MeV [-13.313 MeV] (A_Lu:177)
176Lu71 + 2 D* --> 180Ta73 + 21.820 MeV [-7.560 MeV] (A_Lu:178)

176Lu71 + 3 D* --> 134Xe54 + 48Ca20 + 118.358 MeV [73.840 MeV] (A_Lu:179)
176Lu71 + 3 D* --> 136Xe54 + 46Ca20 + 115.580 MeV [71.062 MeV] (A_Lu:180)
176Lu71 + 3 D* --> 160Gd64 + 22Ne10 + 61.993 MeV [17.475 MeV] (A_Lu:181)
176Lu71 + 3 D* --> 164Dy66 + 18O8 + 52.775 MeV [8.256 MeV] (A_Lu:182)
176Lu71 + 3 D* --> 170Er68 + 12C6 + 46.134 MeV [1.616 MeV] (A_Lu:183)
176Lu71 + 3 D* --> 173Yb70 + 9Be4 + 32.228 MeV [-12.290 MeV] (A_Lu:184)
176Lu71 + 3 D* --> 175Lu71 + 7Li3 + 26.282 MeV [-18.236 MeV] (A_Lu:185)
176Lu71 + 3 D* --> 176Lu71 + 6Li3 + 25.320 MeV [-19.198 MeV] (A_Lu:186)
176Lu71 + 3 D* --> 178Hf72 + 4He2 + 36.039 MeV [-8.479 MeV] (A_Lu:187)
176Lu71 + 3 D* --> 179Hf72 + 3He2 + 21.561 MeV [-22.958 MeV] (A_Lu:188)
176Lu71 + 3 D* --> 180Ta73 + 2H1 + 21.820 MeV [-22.698 MeV] (A_Lu:189)
176Lu71 + 3 D* --> 181Ta73 + 1H1 + 27.172 MeV [-17.346 MeV] (A_Lu:190)
176Lu71 + 3 D* --> 182W74 + 34.267 MeV [-10.251 MeV] (A_Lu:191)

176Lu71 + 4 D* --> 170Er68 + 14N7 + 56.407 MeV [-3.545 MeV] (A_Lu:192)
176Lu71 + 4 D* --> 173Yb70 + 11B5 + 48.044 MeV [-11.908 MeV] (A_Lu:193)
176Lu71 + 4 D* --> 174Yb70 + 10B5 + 44.054 MeV [-15.898 MeV] (A_Lu:194)
176Lu71 + 4 D* --> 175Lu71 + 9Be4 + 42.979 MeV [-16.974 MeV] (A_Lu:195)

176Lu71 + 4 D* --> 177Hf72 + 7Li3 + 37.137 MeV [-22.815 MeV] (A_Lu:196)
176Lu71 + 4 D* --> 178Hf72 + 6Li3 + 37.513 MeV [-22.439 MeV] (A_Lu:197)
176Lu71 + 4 D* --> 180Ta73 + 4He2 + 45.667 MeV [-14.285 MeV] (A_Lu:198)
176Lu71 + 4 D* --> 181Ta73 + 3He2 + 32.666 MeV [-27.286 MeV] (A_Lu:199)
176Lu71 + 4 D* --> 182W74 + 2H1 + 34.267 MeV [-25.685 MeV] (A_Lu:200)
176Lu71 + 4 D* --> 183W74 + 1H1 + 38.234 MeV [-21.719 MeV] (A_Lu:201)

176Lu71 + 5 D* --> 136Xe54 + 50Ti22 + 150.143 MeV [74.463 MeV] (A_Lu:202)
176Lu71 + 5 D* --> 138Ba56 + 48Ca20 + 144.767 MeV [69.087 MeV] (A_Lu:203)
176Lu71 + 5 D* --> 150Nd60 + 36S16 + 116.645 MeV [40.965 MeV] (A_Lu:204)
176Lu71 + 5 D* --> 160Gd64 + 26Mg12 + 96.454 MeV [20.775 MeV] (A_Lu:205)
176Lu71 + 5 D* --> 164Dy66 + 22Ne10 + 86.289 MeV [10.610 MeV] (A_Lu:206)
176Lu71 + 5 D* --> 168Er68 + 18O8 + 76.070 MeV [00.390 MeV] (A_Lu:207)
176Lu71 + 5 D* --> 170Er68 + 16O8 + 77.143 MeV [1.463 MeV] (A_Lu:208)
176Lu71 + 5 D* --> 173Yb70 + 13C6 + 66.723 MeV [-8.957 MeV] (A_Lu:209)
176Lu71 + 5 D* --> 174Yb70 + 12C6 + 69.241 MeV [-6.439 MeV] (A_Lu:210)
176Lu71 + 5 D* --> 175Lu71 + 11B5 + 58.794 MeV [-16.886 MeV] (A_Lu:211)
176Lu71 + 5 D* --> 176Lu71 + 10B5 + 53.628 MeV [-22.052 MeV] (A_Lu:212)
176Lu71 + 5 D* --> 177Hf72 + 9Be4 + 53.833 MeV [-21.846 MeV] (A_Lu:213)
176Lu71 + 5 D* --> 180Ta73 + 6Li3 + 47.141 MeV [-28.539 MeV] (A_Lu:214)
176Lu71 + 5 D* --> 182W74 + 4He2 + 58.114 MeV [-17.566 MeV] (A_Lu:215)
176Lu71 + 5 D* --> 183W74 + 3He2 + 43.727 MeV [-31.953 MeV] (A_Lu:216)
176Lu71 + 5 D* --> 185Re75 + 1H1 + 48.824 MeV [-26.855 MeV] (A_Lu:217)
176Lu71 + 5 D* --> 186Os76 + 55.291 MeV [-20.389 MeV] (A_Lu:218)

176Lu71 + 6 D* --> 173Yb70 + 15N7 + 82.882 MeV [-8.817 MeV] (A_Lu:219)
176Lu71 + 6 D* --> 174Yb70 + 14N7 + 79.513 MeV [-12.186 MeV] (A_Lu:220)
176Lu71 + 6 D* --> 175Lu71 + 13C6 + 77.473 MeV [-14.226 MeV] (A_Lu:221)
176Lu71 + 6 D* --> 176Lu71 + 12C6 + 78.814 MeV [-12.885 MeV] (A_Lu:222)
176Lu71 + 6 D* --> 177Hf72 + 11B5 + 69.649 MeV [-22.050 MeV] (A_Lu:223)
176Lu71 + 6 D* --> 178Hf72 + 10B5 + 65.821 MeV [-25.879 MeV] (A_Lu:224)
176Lu71 + 6 D* --> 182W74 + 6Li3 + 59.588 MeV [-32.111 MeV] (A_Lu:225)
176Lu71 + 6 D* --> 185Re75 + 3He2 + 54.318 MeV [-37.381 MeV] (A_Lu:226)
176Lu71 + 6 D* --> 186Os76 + 2H1 + 55.291 MeV [-36.408 MeV] (A_Lu:227)
176Lu71 + 6 D* --> 187Os76 + 1H1 + 59.356 MeV [-32.343 MeV] (A_Lu:228)

176Lu71 + 7 D* --> 136Xe54 + 54Cr24 + 181.920 MeV [73.912 MeV] (A_Lu:229)
176Lu71 + 7 D* --> 142Ce58 + 48Ca20 + 167.315 MeV [59.307 MeV] (A_Lu:230)
176Lu71 + 7 D* --> 150Nd60 + 40Ar18 + 147.292 MeV [39.284 MeV] (A_Lu:231)
176Lu71 + 7 D* --> 154Sm62 + 36S16 + 141.688 MeV [33.680 MeV] (A_Lu:232)
176Lu71 + 7 D* --> 160Gd64 + 30Si14 + 130.944 MeV [22.936 MeV] (A_Lu:233)
176Lu71 + 7 D* --> 164Dy66 + 26Mg12 + 120.751 MeV [12.742 MeV] (A_Lu:234)
176Lu71 + 7 D* --> 168Er68 + 22Ne10 + 109.584 MeV [1.576 MeV] (A_Lu:235)
176Lu71 + 7 D* --> 170Er68 + 20Ne10 + 105.719 MeV [-2.289 MeV] (A_Lu:236)
176Lu71 + 7 D* --> 172Yb70 + 18O8 + 98.604 MeV [-9.404 MeV] (A_Lu:237)
176Lu71 + 7 D* --> 173Yb70 + 17O8 + 96.928 MeV [-11.080 MeV] (A_Lu:238)
176Lu71 + 7 D* --> 174Yb70 + 16O8 + 100.249 MeV [-7.759 MeV] (A_Lu:239)
176Lu71 + 7 D* --> 175Lu71 + 15N7 + 93.632 MeV [-14.376 MeV] (A_Lu:240)
176Lu71 + 7 D* --> 176Lu71 + 14N7 + 89.087 MeV [-18.922 MeV] (A_Lu:241)
176Lu71 + 7 D* --> 177Hf72 + 13C6 + 88.327 MeV [-19.681 MeV] (A_Lu:242)
176Lu71 + 7 D* --> 178Hf72 + 12C6 + 91.007 MeV [-17.001 MeV] (A_Lu:243)
176Lu71 + 7 D* --> 180Ta73 + 10B5 + 75.448 MeV [-32.560 MeV] (A_Lu:244)
176Lu71 + 7 D* --> 186Os76 + 4He2 + 79.137 MeV [-28.871 MeV] (A_Lu:245)
176Lu71 + 7 D* --> 187Os76 + 3He2 + 64.850 MeV [-43.159 MeV] (A_Lu:246)

176Lu71 + 7 D* --> 190Pt78 + 75.886 MeV [-32.122 MeV] (A_Lu:247)

176Lu71 + 8 D* --> 173Yb70 + 19F9 + 110.742 MeV [-13.863 MeV] (A_Lu:248)
176Lu71 + 8 D* --> 175Lu71 + 17O8 + 107.678 MeV [-16.927 MeV] (A_Lu:249)
176Lu71 + 8 D* --> 176Lu71 + 16O8 + 109.823 MeV [-14.783 MeV] (A_Lu:250)
176Lu71 + 8 D* --> 177Hf72 + 15N7 + 104.487 MeV [-20.119 MeV] (A_Lu:251)
176Lu71 + 8 D* --> 178Hf72 + 14N7 + 101.279 MeV [-23.326 MeV] (A_Lu:252)
176Lu71 + 8 D* --> 180Ta73 + 12C6 + 100.635 MeV [-23.971 MeV] (A_Lu:253)
176Lu71 + 8 D* --> 182W74 + 10B5 + 87.895 MeV [-36.710 MeV] (A_Lu:254)
176Lu71 + 8 D* --> 186Os76 + 6Li3 + 80.611 MeV [-43.994 MeV] (A_Lu:255)
176Lu71 + 8 D* --> 190Pt78 + 2H1 + 75.886 MeV [-48.719 MeV] (A_Lu:256)

176Lu71 + 9 D* --> 124Sn50 + 70Zn30 + 222.636 MeV [81.147 MeV] (A_Lu:257)
176Lu71 + 9 D* --> 130Te52 + 64Ni28 + 219.285 MeV [77.796 MeV] (A_Lu:258)
176Lu71 + 9 D* --> 136Xe54 + 58Fe26 + 213.413 MeV [71.924 MeV] (A_Lu:259)
176Lu71 + 9 D* --> 146Nd60 + 48Ca20 + 189.979 MeV [48.491 MeV] (A_Lu:260)
176Lu71 + 9 D* --> 148Nd60 + 46Ca20 + 185.383 MeV [43.894 MeV] (A_Lu:261)
176Lu71 + 9 D* --> 150Nd60 + 44Ca20 + 179.992 MeV [38.504 MeV] (A_Lu:262)
176Lu71 + 9 D* --> 154Sm62 + 40Ar18 + 172.336 MeV [30.847 MeV] (A_Lu:263)
176Lu71 + 9 D* --> 158Gd64 + 36S16 + 166.195 MeV [24.706 MeV] (A_Lu:264)
176Lu71 + 9 D* --> 160Gd64 + 34S16 + 162.715 MeV [21.226 MeV] (A_Lu:265)
176Lu71 + 9 D* --> 164Dy66 + 30Si14 + 155.240 MeV [13.752 MeV] (A_Lu:266)
176Lu71 + 9 D* --> 168Er68 + 26Mg12 + 144.045 MeV [2.557 MeV] (A_Lu:267)
176Lu71 + 9 D* --> 170Er68 + 24Mg12 + 138.882 MeV [-2.606 MeV] (A_Lu:268)
176Lu71 + 9 D* --> 172Yb70 + 22Ne10 + 132.119 MeV [-9.369 MeV] (A_Lu:269)
176Lu71 + 9 D* --> 173Yb70 + 21Ne10 + 128.122 MeV [-13.366 MeV] (A_Lu:270)
176Lu71 + 9 D* --> 174Yb70 + 20Ne10 + 128.826 MeV [-12.663 MeV] (A_Lu:271)
176Lu71 + 9 D* --> 175Lu71 + 19F9 + 121.492 MeV [-19.996 MeV] (A_Lu:272)
176Lu71 + 9 D* --> 176Hf72 + 18O8 + 120.193 MeV [-21.295 MeV] (A_Lu:273)
176Lu71 + 9 D* --> 177Hf72 + 17O8 + 118.533 MeV [-22.956 MeV] (A_Lu:274)
176Lu71 + 9 D* --> 178Hf72 + 16O8 + 122.015 MeV [-19.473 MeV] (A_Lu:275)
176Lu71 + 9 D* --> 180Ta73 + 14N7 + 110.907 MeV [-30.582 MeV] (A_Lu:276)
176Lu71 + 9 D* --> 182W74 + 12C6 + 113.082 MeV [-28.407 MeV] (A_Lu:277)
176Lu71 + 9 D* --> 190Pt78 + 4He2 + 99.733 MeV [-41.756 MeV] (A_Lu:278)

176Lu71 + 10 D* --> 173Yb70 + 23Na11 + 145.056 MeV [-13.600 MeV] (A_Lu:279)
176Lu71 + 10 D* --> 175Lu71 + 21Ne10 + 138.872 MeV [-19.784 MeV] (A_Lu:280)
176Lu71 + 10 D* --> 176Lu71 + 20Ne10 + 138.399 MeV [-20.257 MeV] (A_Lu:281)
176Lu71 + 10 D* --> 177Hf72 + 19F9 + 132.347 MeV [-26.309 MeV] (A_Lu:282)
176Lu71 + 10 D* --> 180Ta73 + 16O8 + 131.643 MeV [-27.013 MeV] (A_Lu:283)
176Lu71 + 10 D* --> 182W74 + 14N7 + 123.354 MeV [-35.302 MeV] (A_Lu:284)
176Lu71 + 10 D* --> 186Os76 + 10B5 + 108.919 MeV [-49.738 MeV] (A_Lu:285)
176Lu71 + 10 D* --> 190Pt78 + 6Li3 + 101.206 MeV [-57.450 MeV] (A_Lu:286)

176Lu71 + 11 D* --> 116Cd48 + 82Se34 + 257.419 MeV [81.313 MeV] (A_Lu:287)
176Lu71 + 11 D* --> 122Sn50 + 76Ge32 + 254.265 MeV [78.158 MeV] (A_Lu:288)
176Lu71 + 11 D* --> 124Sn50 + 74Ge32 + 252.765 MeV [76.658 MeV] (A_Lu:289)
176Lu71 + 11 D* --> 128Te52 + 70Zn30 + 249.662 MeV [73.556 MeV] (A_Lu:290)
176Lu71 + 11 D* --> 130Te52 + 68Zn30 + 248.464 MeV [72.358 MeV] (A_Lu:291)
176Lu71 + 11 D* --> 134Xe54 + 64Ni28 + 246.329 MeV [70.223 MeV] (A_Lu:292)
176Lu71 + 11 D* --> 136Xe54 + 62Ni28 + 244.277 MeV [68.170 MeV] (A_Lu:293)
176Lu71 + 11 D* --> 148Nd60 + 50Ti22 + 219.946 MeV [43.839 MeV] (A_Lu:294)
176Lu71 + 11 D* --> 150Nd60 + 48Ti22 + 213.283 MeV [37.177 MeV] (A_Lu:295)
176Lu71 + 11 D* --> 150Sm62 + 48Ca20 + 212.377 MeV [36.271 MeV] (A_Lu:296)

176Lu71 + 11 D* --> 152Sm62 + 46Ca20 + 209.009 MeV [32.903 MeV] (A_Lu:297)
176Lu71 + 11 D* --> 154Sm62 + 44Ca20 + 205.036 MeV [28.929 MeV] (A_Lu:298)
176Lu71 + 11 D* --> 158Gd64 + 40Ar18 + 196.842 MeV [20.736 MeV] (A_Lu:299)
176Lu71 + 11 D* --> 160Gd64 + 38Ar18 + 193.769 MeV [17.662 MeV] (A_Lu:300)
176Lu71 + 11 D* --> 162Dy66 + 36S16 + 189.956 MeV [13.850 MeV] (A_Lu:301)
176Lu71 + 11 D* --> 164Dy66 + 34S16 + 187.011 MeV [10.904 MeV] (A_Lu:302)
176Lu71 + 11 D* --> 168Er68 + 30Si14 + 178.535 MeV [2.429 MeV] (A_Lu:303)
176Lu71 + 11 D* --> 170Er68 + 28Si14 + 172.713 MeV [-3.393 MeV] (A_Lu:304)
176Lu71 + 11 D* --> 172Yb70 + 26Mg12 + 166.580 MeV [-9.526 MeV] (A_Lu:305)
176Lu71 + 11 D* --> 173Yb70 + 25Mg12 + 161.855 MeV [-14.252 MeV] (A_Lu:306)
176Lu71 + 11 D* --> 174Yb70 + 24Mg12 + 161.989 MeV [-14.118 MeV] (A_Lu:307)
176Lu71 + 11 D* --> 175Lu71 + 23Na11 + 155.806 MeV [-20.300 MeV] (A_Lu:308)
176Lu71 + 11 D* --> 176Hf72 + 22Ne10 + 153.708 MeV [-22.399 MeV] (A_Lu:309)
176Lu71 + 11 D* --> 177Hf72 + 21Ne10 + 149.727 MeV [-26.379 MeV] (A_Lu:310)
176Lu71 + 11 D* --> 178Hf72 + 20Ne10 + 150.592 MeV [-25.515 MeV] (A_Lu:311)
176Lu71 + 11 D* --> 180W74 + 18O8 + 141.532 MeV [-34.575 MeV] (A_Lu:312)
176Lu71 + 11 D* --> 182W74 + 16O8 + 144.090 MeV [-32.016 MeV] (A_Lu:313)
176Lu71 + 11 D* --> 186Os76 + 12C6 + 134.105 MeV [-42.001 MeV] (A_Lu:314)

176Lu71 + 12 D* --> 150Nd60 + 50V23 + 227.153 MeV [33.315 MeV] (A_Lu:315)
176Lu71 + 12 D* --> 160Gd64 + 40K19 + 205.725 MeV [11.888 MeV] (A_Lu:316)
176Lu71 + 12 D* --> 163Dy66 + 37Cl17 + 202.389 MeV [8.552 MeV] (A_Lu:317)
176Lu71 + 12 D* --> 173Yb70 + 27Al13 + 178.994 MeV [-14.843 MeV] (A_Lu:318)
176Lu71 + 12 D* --> 175Lu71 + 25Mg12 + 172.605 MeV [-21.233 MeV] (A_Lu:319)
176Lu71 + 12 D* --> 176Lu71 + 24Mg12 + 171.562 MeV [-22.275 MeV] (A_Lu:320)
176Lu71 + 12 D* --> 177Hf72 + 23Na11 + 166.661 MeV [-27.177 MeV] (A_Lu:321)
176Lu71 + 12 D* --> 180Ta73 + 20Ne10 + 160.219 MeV [-33.618 MeV] (A_Lu:322)
176Lu71 + 12 D* --> 186Os76 + 14N7 + 144.377 MeV [-49.460 MeV] (A_Lu:323)
176Lu71 + 12 D* --> 190Pt78 + 10B5 + 129.514 MeV [-64.323 MeV] (A_Lu:324)

---------- Equations follow for Hafnium, Hf, element 72 ----------

174Hf72 + D* --> 136Xe54 + 40K19 + 77.249 MeV [62.449 MeV] (A_Hf:1)
174Hf72 + D* --> 157Gd64 + 19F9 + 29.607 MeV [14.807 MeV] (A_Hf:2)
174Hf72 + D* --> 159Tb65 + 17O8 + 27.637 MeV [12.836 MeV] (A_Hf:3)
174Hf72 + D* --> 161Dy66 + 15N7 + 25.249 MeV [10.448 MeV] (A_Hf:4)
174Hf72 + D* --> 162Dy66 + 14N7 + 22.612 MeV [7.812 MeV] (A_Hf:5)
174Hf72 + D* --> 166Er68 + 10B5 + 10.170 MeV [-4.631 MeV] (A_Hf:6)
174Hf72 + D* --> 170Yb70 + 6Li3 + 3.971 MeV [-10.829 MeV] (A_Hf:7)

174Hf72 + 2 D* --> 96Zr40 + 82Se34 + 133.462 MeV [103.562 MeV] (A_Hf:8)
174Hf72 + 2 D* --> 124Sn50 + 54Cr24 + 115.594 MeV [85.695 MeV] (A_Hf:9)
174Hf72 + 2 D* --> 128Te52 + 50Ti22 + 110.844 MeV [80.944 MeV] (A_Hf:10)
174Hf72 + 2 D* --> 130Te52 + 48Ti22 + 106.264 MeV [76.364 MeV] (A_Hf:11)
174Hf72 + 2 D* --> 130Xe54 + 48Ca20 + 104.521 MeV [74.621 MeV] (A_Hf:12)
174Hf72 + 2 D* --> 132Xe54 + 46Ca20 + 102.840 MeV [72.941 MeV] (A_Hf:13)
174Hf72 + 2 D* --> 134Xe54 + 44Ca20 + 100.018 MeV [70.118 MeV] (A_Hf:14)
174Hf72 + 2 D* --> 136Xe54 + 42Ca20 + 95.397 MeV [65.497 MeV] (A_Hf:15)
174Hf72 + 2 D* --> 138Ba56 + 40Ar18 + 93.726 MeV [63.827 MeV] (A_Hf:16)
174Hf72 + 2 D* --> 142Ce58 + 36S16 + 85.627 MeV [55.728 MeV] (A_Hf:17)
174Hf72 + 2 D* --> 148Nd60 + 30Si14 + 72.271 MeV [42.372 MeV] (A_Hf:18)
174Hf72 + 2 D* --> 150Nd60 + 28Si14 + 65.607 MeV [35.708 MeV] (A_Hf:19)
174Hf72 + 2 D* --> 152Sm62 + 26Mg12 + 61.408 MeV [31.509 MeV] (A_Hf:20)
174Hf72 + 2 D* --> 154Sm62 + 24Mg12 + 56.820 MeV [26.920 MeV] (A_Hf:21)

Report A - Energetically Feasible Aneutronic X + n D* --> Y + Z Reactions, n = 1 to 12
Creating Stable Isotopes Y and Z With No Weak Reactions

174Hf72 + 2 D* --> 156Gd64 + 22Ne10 + 50.992 MeV [21.092 MeV] (A_Hf:22)
174Hf72 + 2 D* --> 157Gd64 + 21Ne10 + 46.987 MeV [17.088 MeV] (A_Hf:23)
174Hf72 + 2 D* --> 158Gd64 + 20Ne10 + 48.164 MeV [18.264 MeV] (A_Hf:24)
174Hf72 + 2 D* --> 159Tb65 + 19F9 + 41.451 MeV [11.552 MeV] (A_Hf:25)
174Hf72 + 2 D* --> 160Dy66 + 18O8 + 40.884 MeV [10.985 MeV] (A_Hf:26)
174Hf72 + 2 D* --> 161Dy66 + 17O8 + 39.295 MeV [9.395 MeV] (A_Hf:27)
174Hf72 + 2 D* --> 162Dy66 + 16O8 + 43.349 MeV [13.449 MeV] (A_Hf:28)
174Hf72 + 2 D* --> 166Er68 + 12C6 + 35.356 MeV [5.457 MeV] (A_Hf:29)
174Hf72 + 2 D* --> 174Hf72 + 4He2 + 23.847 MeV [-6.053 MeV] (A_Hf:30)

174Hf72 + 3 D* --> 130Te52 + 50V23 + 120.134 MeV [74.839 MeV] (A_Hf:31)
174Hf72 + 3 D* --> 157Gd64 + 23Na11 + 63.921 MeV [18.626 MeV] (A_Hf:32)
174Hf72 + 3 D* --> 159Tb65 + 21Ne10 + 58.831 MeV [13.537 MeV] (A_Hf:33)
174Hf72 + 3 D* --> 161Dy66 + 19F9 + 53.109 MeV [7.814 MeV] (A_Hf:34)
174Hf72 + 3 D* --> 166Er68 + 14N7 + 45.629 MeV [00.334 MeV] (A_Hf:35)
174Hf72 + 3 D* --> 170Yb70 + 10B5 + 32.279 MeV [-13.016 MeV] (A_Hf:36)
174Hf72 + 3 D* --> 174Hf72 + 6Li3 + 25.320 MeV [-19.974 MeV] (A_Hf:37)

174Hf72 + 4 D* --> 96Zr40 + 86Kr36 + 165.405 MeV [104.421 MeV] (A_Hf:38)
174Hf72 + 4 D* --> 100Mo42 + 82Se34 + 160.475 MeV [99.490 MeV] (A_Hf:39)
174Hf72 + 4 D* --> 124Sn50 + 58Fe26 + 147.086 MeV [86.102 MeV] (A_Hf:40)
174Hf72 + 4 D* --> 128Te52 + 54Cr24 + 142.621 MeV [81.637 MeV] (A_Hf:41)
174Hf72 + 4 D* --> 130Te52 + 52Cr24 + 139.465 MeV [78.481 MeV] (A_Hf:42)
174Hf72 + 4 D* --> 132Xe54 + 50Ti22 + 137.403 MeV [76.419 MeV] (A_Hf:43)
174Hf72 + 4 D* --> 134Xe54 + 48Ti22 + 133.308 MeV [72.324 MeV] (A_Hf:44)
174Hf72 + 4 D* --> 136Xe54 + 46Ti22 + 127.245 MeV [66.261 MeV] (A_Hf:45)
174Hf72 + 4 D* --> 134Ba56 + 48Ca20 + 129.860 MeV [68.876 MeV] (A_Hf:46)
174Hf72 + 4 D* --> 136Ba56 + 46Ca20 + 128.718 MeV [67.734 MeV] (A_Hf:47)
174Hf72 + 4 D* --> 138Ba56 + 44Ca20 + 126.426 MeV [65.442 MeV] (A_Hf:48)
174Hf72 + 4 D* --> 142Ce58 + 40Ar18 + 116.275 MeV [55.291 MeV] (A_Hf:49)
174Hf72 + 4 D* --> 146Nd60 + 36S16 + 108.291 MeV [47.307 MeV] (A_Hf:50)
174Hf72 + 4 D* --> 148Nd60 + 34S16 + 104.041 MeV [43.057 MeV] (A_Hf:51)
174Hf72 + 4 D* --> 150Nd60 + 32S16 + 96.402 MeV [35.418 MeV] (A_Hf:52)
174Hf72 + 4 D* --> 152Sm62 + 30Si14 + 95.898 MeV [34.914 MeV] (A_Hf:53)
174Hf72 + 4 D* --> 154Sm62 + 28Si14 + 90.651 MeV [29.667 MeV] (A_Hf:54)
174Hf72 + 4 D* --> 156Gd64 + 26Mg12 + 85.453 MeV [24.469 MeV] (A_Hf:55)
174Hf72 + 4 D* --> 157Gd64 + 25Mg12 + 80.720 MeV [19.736 MeV] (A_Hf:56)
174Hf72 + 4 D* --> 158Gd64 + 24Mg12 + 81.327 MeV [20.342 MeV] (A_Hf:57)
174Hf72 + 4 D* --> 159Tb65 + 23Na11 + 75.765 MeV [14.781 MeV] (A_Hf:58)
174Hf72 + 4 D* --> 160Dy66 + 22Ne10 + 74.399 MeV [13.415 MeV] (A_Hf:59)
174Hf72 + 4 D* --> 161Dy66 + 21Ne10 + 70.489 MeV [9.505 MeV] (A_Hf:60)
174Hf72 + 4 D* --> 162Dy66 + 20Ne10 + 71.925 MeV [10.941 MeV] (A_Hf:61)
174Hf72 + 4 D* --> 164Er68 + 18O8 + 63.427 MeV [2.443 MeV] (A_Hf:62)
174Hf72 + 4 D* --> 166Er68 + 16O8 + 66.365 MeV [5.381 MeV] (A_Hf:63)
174Hf72 + 4 D* --> 170Yb70 + 12C6 + 57.465 MeV [-3.519 MeV] (A_Hf:64)

174Hf72 + 5 D* --> 134Xe54 + 50V23 + 147.178 MeV [70.212 MeV] (A_Hf:65)
174Hf72 + 5 D* --> 138La57 + 46Ca20 + 139.492 MeV [62.526 MeV] (A_Hf:66)
174Hf72 + 5 D* --> 157Gd64 + 27Al13 + 97.859 MeV [20.894 MeV] (A_Hf:67)
174Hf72 + 5 D* --> 159Tb65 + 25Mg12 + 92.564 MeV [15.598 MeV] (A_Hf:68)
174Hf72 + 5 D* --> 161Dy66 + 23Na11 + 87.423 MeV [10.457 MeV] (A_Hf:69)
174Hf72 + 5 D* --> 170Yb70 + 14N7 + 67.738 MeV [-9.228 MeV] (A_Hf:70)
174Hf72 + 5 D* --> 174Hf72 + 10B5 + 53.628 MeV [-23.338 MeV] (A_Hf:71)

174Hf72 + 6 D* --> 100Mo42 + 86Kr36 + 192.418 MeV [99.180 MeV] (A_Hf:72)
174Hf72 + 6 D* --> 104Ru44 + 82Se34 + 188.651 MeV [95.413 MeV] (A_Hf:73)
174Hf72 + 6 D* --> 110Pd46 + 76Ge32 + 184.530 MeV [91.293 MeV] (A_Hf:74)
174Hf72 + 6 D* --> 116Cd48 + 70Zn30 + 181.252 MeV [88.014 MeV] (A_Hf:75)
174Hf72 + 6 D* --> 122Sn50 + 64Ni28 + 180.013 MeV [86.776 MeV] (A_Hf:76)
174Hf72 + 6 D* --> 124Sn50 + 62Ni28 + 177.951 MeV [84.713 MeV] (A_Hf:77)
174Hf72 + 6 D* --> 128Te52 + 58Fe26 + 174.113 MeV [80.876 MeV] (A_Hf:78)
174Hf72 + 6 D* --> 130Te52 + 56Fe26 + 170.924 MeV [77.687 MeV] (A_Hf:79)
174Hf72 + 6 D* --> 132Xe54 + 54Cr24 + 169.181 MeV [75.943 MeV] (A_Hf:80)
174Hf72 + 6 D* --> 134Xe54 + 52Cr24 + 166.509 MeV [73.272 MeV] (A_Hf:81)
174Hf72 + 6 D* --> 136Xe54 + 50Cr24 + 159.652 MeV [66.415 MeV] (A_Hf:82)
174Hf72 + 6 D* --> 136Ba56 + 50Ti22 + 163.281 MeV [70.044 MeV] (A_Hf:83)
174Hf72 + 6 D* --> 137Ba56 + 49Ti22 + 159.248 MeV [66.010 MeV] (A_Hf:84)
174Hf72 + 6 D* --> 138Ba56 + 48Ti22 + 159.717 MeV [66.480 MeV] (A_Hf:85)
174Hf72 + 6 D* --> 138Ce58 + 48Ca20 + 154.750 MeV [61.513 MeV] (A_Hf:86)
174Hf72 + 6 D* --> 140Ce58 + 46Ca20 + 154.186 MeV [60.949 MeV] (A_Hf:87)
174Hf72 + 6 D* --> 142Ce58 + 44Ca20 + 148.975 MeV [55.737 MeV] (A_Hf:88)
174Hf72 + 6 D* --> 146Nd60 + 40Ar18 + 138.939 MeV [45.701 MeV] (A_Hf:89)
174Hf72 + 6 D* --> 148Nd60 + 38Ar18 + 135.096 MeV [41.858 MeV] (A_Hf:90)
174Hf72 + 6 D* --> 150Nd60 + 36Ar18 + 126.889 MeV [33.652 MeV] (A_Hf:91)
174Hf72 + 6 D* --> 150Sm62 + 36S16 + 130.689 MeV [37.452 MeV] (A_Hf:92)
174Hf72 + 6 D* --> 152Sm62 + 34S16 + 127.668 MeV [34.431 MeV] (A_Hf:93)
174Hf72 + 6 D* --> 154Sm62 + 32S16 + 121.445 MeV [28.208 MeV] (A_Hf:94)
174Hf72 + 6 D* --> 156Gd64 + 30Si14 + 119.943 MeV [26.705 MeV] (A_Hf:95)
174Hf72 + 6 D* --> 157Gd64 + 29Si14 + 115.693 MeV [22.456 MeV] (A_Hf:96)
174Hf72 + 6 D* --> 158Gd64 + 28Si14 + 115.157 MeV [21.920 MeV] (A_Hf:97)
174Hf72 + 6 D* --> 159Tb65 + 27Al13 + 109.703 MeV [16.466 MeV] (A_Hf:98)
174Hf72 + 6 D* --> 160Dy66 + 26Mg12 + 108.860 MeV [15.623 MeV] (A_Hf:99)
174Hf72 + 6 D* --> 161Dy66 + 25Mg12 + 104.222 MeV [10.984 MeV] (A_Hf:100)
174Hf72 + 6 D* --> 162Dy66 + 24Mg12 + 105.088 MeV [11.851 MeV] (A_Hf:101)
174Hf72 + 6 D* --> 164Er68 + 22Ne10 + 96.942 MeV [3.705 MeV] (A_Hf:102)
174Hf72 + 6 D* --> 166Er68 + 20Ne10 + 94.941 MeV [1.704 MeV] (A_Hf:103)
174Hf72 + 6 D* --> 168Yb70 + 18O8 + 85.324 MeV [-7.914 MeV] (A_Hf:104)
174Hf72 + 6 D* --> 170Yb70 + 16O8 + 88.474 MeV [-4.764 MeV] (A_Hf:105)
174Hf72 + 6 D* --> 174Hf72 + 12C6 + 78.814 MeV [-14.423 MeV] (A_Hf:106)

174Hf72 + 7 D* --> 137Ba56 + 51V23 + 176.026 MeV [66.229 MeV] (A_Hf:107)
174Hf72 + 7 D* --> 138Ba56 + 50V23 + 173.587 MeV [63.789 MeV] (A_Hf:108)
174Hf72 + 7 D* --> 138La57 + 50Ti22 + 174.055 MeV [64.257 MeV] (A_Hf:109)
174Hf72 + 7 D* --> 139La57 + 49Ti22 + 171.894 MeV [62.096 MeV] (A_Hf:110)
174Hf72 + 7 D* --> 148Nd60 + 40K19 + 147.052 MeV [37.255 MeV] (A_Hf:111)
174Hf72 + 7 D* --> 157Gd64 + 31P15 + 131.375 MeV [21.577 MeV] (A_Hf:112)
174Hf72 + 7 D* --> 159Tb65 + 29Si14 + 127.538 MeV [17.740 MeV] (A_Hf:113)
174Hf72 + 7 D* --> 161Dy66 + 27Al13 + 121.361 MeV [11.564 MeV] (A_Hf:114)
174Hf72 + 7 D* --> 174Hf72 + 14N7 + 89.087 MeV [-20.711 MeV] (A_Hf:115)

174Hf72 + 8 D* --> 96Zr40 + 94Zr40 + 221.949 MeV [95.305 MeV] (A_Hf:116)
174Hf72 + 8 D* --> 104Ru44 + 86Kr36 + 220.594 MeV [93.949 MeV] (A_Hf:117)
174Hf72 + 8 D* --> 108Pd46 + 82Se34 + 216.357 MeV [89.713 MeV] (A_Hf:118)
174Hf72 + 8 D* --> 110Pd46 + 80Se34 + 215.348 MeV [88.704 MeV] (A_Hf:119)
174Hf72 + 8 D* --> 114Cd48 + 76Ge32 + 212.473 MeV [85.829 MeV] (A_Hf:120)
174Hf72 + 8 D* --> 116Cd48 + 74Ge32 + 211.381 MeV [84.737 MeV] (A_Hf:121)
174Hf72 + 8 D* --> 120Sn50 + 70Zn30 + 209.909 MeV [83.265 MeV] (A_Hf:122)
174Hf72 + 8 D* --> 122Sn50 + 68Zn30 + 209.192 MeV [82.548 MeV] (A_Hf:123)

174Hf72 + 8 D* --> 124Sn50 + 66Zn30 + 206.375 MeV [79.731 MeV] (A_Hf:124)
174Hf72 + 8 D* --> 126Te52 + 64Ni28 + 206.403 MeV [79.759 MeV] (A_Hf:125)
174Hf72 + 8 D* --> 128Te52 + 62Ni28 + 204.977 MeV [78.333 MeV] (A_Hf:126)
174Hf72 + 8 D* --> 130Te52 + 60Ni28 + 201.063 MeV [74.419 MeV] (A_Hf:127)
174Hf72 + 8 D* --> 132Xe54 + 58Fe26 + 200.673 MeV [74.029 MeV] (A_Hf:128)
174Hf72 + 8 D* --> 134Xe54 + 56Fe26 + 197.969 MeV [71.325 MeV] (A_Hf:129)
174Hf72 + 8 D* --> 136Xe54 + 54Fe26 + 191.917 MeV [65.273 MeV] (A_Hf:130)
174Hf72 + 8 D* --> 136Ba56 + 54Cr24 + 195.059 MeV [68.415 MeV] (A_Hf:131)
174Hf72 + 8 D* --> 137Ba56 + 53Cr24 + 192.245 MeV [65.601 MeV] (A_Hf:132)
174Hf72 + 8 D* --> 138Ba56 + 52Cr24 + 192.918 MeV [66.274 MeV] (A_Hf:133)
174Hf72 + 8 D* --> 139La57 + 51V23 + 188.672 MeV [62.028 MeV] (A_Hf:134)
174Hf72 + 8 D* --> 140Ce58 + 50Ti22 + 188.749 MeV [62.105 MeV] (A_Hf:135)
174Hf72 + 8 D* --> 142Ce58 + 48Ti22 + 182.265 MeV [55.621 MeV] (A_Hf:136)
174Hf72 + 8 D* --> 142Nd60 + 48Ca20 + 179.408 MeV [52.764 MeV] (A_Hf:137)
174Hf72 + 8 D* --> 144Nd60 + 46Ca20 + 176.127 MeV [49.483 MeV] (A_Hf:138)
174Hf72 + 8 D* --> 146Nd60 + 44Ca20 + 171.639 MeV [44.995 MeV] (A_Hf:139)
174Hf72 + 8 D* --> 148Nd60 + 42Ca20 + 165.200 MeV [38.556 MeV] (A_Hf:140)
174Hf72 + 8 D* --> 150Nd60 + 40Ca20 + 157.775 MeV [31.131 MeV] (A_Hf:141)
174Hf72 + 8 D* --> 150Sm62 + 40Ar18 + 161.336 MeV [34.692 MeV] (A_Hf:142)
174Hf72 + 8 D* --> 152Sm62 + 38Ar18 + 158.722 MeV [32.078 MeV] (A_Hf:143)
174Hf72 + 8 D* --> 154Sm62 + 36Ar18 + 151.932 MeV [25.288 MeV] (A_Hf:144)
174Hf72 + 8 D* --> 153Eu63 + 37Cl17 + 154.374 MeV [27.730 MeV] (A_Hf:145)
174Hf72 + 8 D* --> 154Gd64 + 36S16 + 153.616 MeV [26.972 MeV] (A_Hf:146)
174Hf72 + 8 D* --> 156Gd64 + 34S16 + 151.713 MeV [25.069 MeV] (A_Hf:147)
174Hf72 + 8 D* --> 157Gd64 + 33S16 + 146.656 MeV [20.012 MeV] (A_Hf:148)
174Hf72 + 8 D* --> 158Gd64 + 32S16 + 145.952 MeV [19.307 MeV] (A_Hf:149)
174Hf72 + 8 D* --> 159Tb65 + 31P15 + 143.219 MeV [16.575 MeV] (A_Hf:150)
174Hf72 + 8 D* --> 160Dy66 + 30Si14 + 143.350 MeV [16.706 MeV] (A_Hf:151)
174Hf72 + 8 D* --> 161Dy66 + 29Si14 + 139.195 MeV [12.551 MeV] (A_Hf:152)
174Hf72 + 8 D* --> 162Dy66 + 28Si14 + 138.919 MeV [12.275 MeV] (A_Hf:153)
174Hf72 + 8 D* --> 164Er68 + 26Mg12 + 131.403 MeV [4.759 MeV] (A_Hf:154)
174Hf72 + 8 D* --> 166Er68 + 24Mg12 + 128.104 MeV [1.460 MeV] (A_Hf:155)
174Hf72 + 8 D* --> 168Yb70 + 22Ne10 + 118.839 MeV [-7.806 MeV] (A_Hf:156)
174Hf72 + 8 D* --> 170Yb70 + 20Ne10 + 117.050 MeV [-9.594 MeV] (A_Hf:157)
174Hf72 + 8 D* --> 174Hf72 + 16O8 + 109.823 MeV [-16.821 MeV] (A_Hf:158)

174Hf72 + 9 D* --> 137Ba56 + 55Mn25 + 207.807 MeV [64.031 MeV] (A_Hf:159)
174Hf72 + 9 D* --> 138La57 + 54Cr24 + 205.832 MeV [62.057 MeV] (A_Hf:160)
174Hf72 + 9 D* --> 139La57 + 53Cr24 + 204.891 MeV [61.116 MeV] (A_Hf:161)
174Hf72 + 9 D* --> 142Ce58 + 50V23 + 196.135 MeV [52.360 MeV] (A_Hf:162)
174Hf72 + 9 D* --> 152Sm62 + 40K19 + 170.679 MeV [26.903 MeV] (A_Hf:163)
174Hf72 + 9 D* --> 155Gd64 + 37Cl17 + 166.214 MeV [22.438 MeV] (A_Hf:164)
174Hf72 + 9 D* --> 157Gd64 + 35Cl17 + 162.219 MeV [18.444 MeV] (A_Hf:165)
174Hf72 + 9 D* --> 159Tb65 + 33S16 + 158.500 MeV [14.725 MeV] (A_Hf:166)
174Hf72 + 9 D* --> 161Dy66 + 31P15 + 154.877 MeV [11.101 MeV] (A_Hf:167)

174Hf72 + 10 D* --> 98Mo42 + 96Zr40 + 249.065 MeV [87.876 MeV] (A_Hf:168)
174Hf72 + 10 D* --> 100Mo42 + 94Zr40 + 248.962 MeV [87.772 MeV] (A_Hf:169)
174Hf72 + 10 D* --> 108Pd46 + 86Kr36 + 248.300 MeV [87.111 MeV] (A_Hf:170)
174Hf72 + 10 D* --> 110Pd46 + 84Kr36 + 246.291 MeV [85.101 MeV] (A_Hf:171)
174Hf72 + 10 D* --> 112Cd48 + 82Se34 + 243.685 MeV [82.496 MeV] (A_Hf:172)
174Hf72 + 10 D* --> 114Cd48 + 80Se34 + 243.291 MeV [82.102 MeV] (A_Hf:173)
174Hf72 + 10 D* --> 116Cd48 + 78Se34 + 241.256 MeV [80.067 MeV] (A_Hf:174)
174Hf72 + 10 D* --> 118Sn50 + 76Ge32 + 240.380 MeV [79.190 MeV] (A_Hf:175)

174Hf72 + 10 D* --> 120Sn50 + 74Ge32 + 240.038 MeV [78.849 MeV] (A_Hf:176)
174Hf72 + 10 D* --> 122Sn50 + 72Ge32 + 238.042 MeV [76.853 MeV] (A_Hf:177)
174Hf72 + 10 D* --> 124Sn50 + 70Ge32 + 234.310 MeV [73.121 MeV] (A_Hf:178)
174Hf72 + 10 D* --> 123Sb51 + 71Ga31 + 234.875 MeV [73.685 MeV] (A_Hf:179)
174Hf72 + 10 D* --> 124Te52 + 70Zn30 + 235.600 MeV [74.410 MeV] (A_Hf:180)
174Hf72 + 10 D* --> 126Te52 + 68Zn30 + 235.582 MeV [74.393 MeV] (A_Hf:181)
174Hf72 + 10 D* --> 128Te52 + 66Zn30 + 233.402 MeV [72.213 MeV] (A_Hf:182)
174Hf72 + 10 D* --> 130Te52 + 64Zn30 + 228.866 MeV [67.676 MeV] (A_Hf:183)
174Hf72 + 10 D* --> 130Xe54 + 64Ni28 + 232.492 MeV [71.302 MeV] (A_Hf:184)
174Hf72 + 10 D* --> 132Xe54 + 62Ni28 + 231.537 MeV [70.348 MeV] (A_Hf:185)
174Hf72 + 10 D* --> 134Xe54 + 60Ni28 + 228.107 MeV [66.918 MeV] (A_Hf:186)
174Hf72 + 10 D* --> 136Xe54 + 58Ni28 + 222.163 MeV [60.974 MeV] (A_Hf:187)
174Hf72 + 10 D* --> 136Ba56 + 58Fe26 + 226.551 MeV [65.361 MeV] (A_Hf:188)
174Hf72 + 10 D* --> 137Ba56 + 57Fe26 + 223.412 MeV [62.222 MeV] (A_Hf:189)
174Hf72 + 10 D* --> 138Ba56 + 56Fe26 + 224.378 MeV [63.188 MeV] (A_Hf:190)
174Hf72 + 10 D* --> 139La57 + 55Mn25 + 220.453 MeV [59.263 MeV] (A_Hf:191)
174Hf72 + 10 D* --> 140Ce58 + 54Cr24 + 220.526 MeV [59.337 MeV] (A_Hf:192)
174Hf72 + 10 D* --> 142Ce58 + 52Cr24 + 215.466 MeV [54.276 MeV] (A_Hf:193)
174Hf72 + 10 D* --> 144Nd60 + 50Ti22 + 210.690 MeV [49.501 MeV] (A_Hf:194)
174Hf72 + 10 D* --> 145Nd60 + 49Ti22 + 205.507 MeV [44.317 MeV] (A_Hf:195)
174Hf72 + 10 D* --> 146Nd60 + 48Ti22 + 204.929 MeV [43.740 MeV] (A_Hf:196)
174Hf72 + 10 D* --> 148Nd60 + 46Ti22 + 197.047 MeV [35.858 MeV] (A_Hf:197)
174Hf72 + 10 D* --> 148Sm62 + 46Ca20 + 197.988 MeV [36.798 MeV] (A_Hf:198)
174Hf72 + 10 D* --> 150Sm62 + 44Ca20 + 194.036 MeV [32.847 MeV] (A_Hf:199)
174Hf72 + 10 D* --> 152Sm62 + 42Ca20 + 188.826 MeV [27.637 MeV] (A_Hf:200)
174Hf72 + 10 D* --> 154Sm62 + 40Ca20 + 182.818 MeV [21.629 MeV] (A_Hf:201)
174Hf72 + 10 D* --> 153Eu63 + 41K19 + 184.443 MeV [23.254 MeV] (A_Hf:202)
174Hf72 + 10 D* --> 154Gd64 + 40Ar18 + 184.264 MeV [23.074 MeV] (A_Hf:203)
174Hf72 + 10 D* --> 156Gd64 + 38Ar18 + 182.767 MeV [21.578 MeV] (A_Hf:204)
174Hf72 + 10 D* --> 158Gd64 + 36Ar18 + 176.439 MeV [15.249 MeV] (A_Hf:205)
174Hf72 + 10 D* --> 159Tb65 + 35Cl17 + 174.063 MeV [12.874 MeV] (A_Hf:206)
174Hf72 + 10 D* --> 158Dy66 + 36S16 + 176.587 MeV [15.397 MeV] (A_Hf:207)
174Hf72 + 10 D* --> 160Dy66 + 34S16 + 175.120 MeV [13.931 MeV] (A_Hf:208)
174Hf72 + 10 D* --> 161Dy66 + 33S16 + 170.158 MeV [8.968 MeV] (A_Hf:209)
174Hf72 + 10 D* --> 162Dy66 + 32S16 + 169.713 MeV [8.524 MeV] (A_Hf:210)
174Hf72 + 10 D* --> 164Er68 + 30Si14 + 165.893 MeV [4.704 MeV] (A_Hf:211)
174Hf72 + 10 D* --> 166Er68 + 28Si14 + 161.935 MeV [00.745 MeV] (A_Hf:212)
174Hf72 + 10 D* --> 168Yb70 + 26Mg12 + 153.300 MeV [-7.890 MeV] (A_Hf:213)
174Hf72 + 10 D* --> 170Yb70 + 24Mg12 + 150.213 MeV [-10.976 MeV] (A_Hf:214)
174Hf72 + 10 D* --> 174Hf72 + 20Ne10 + 138.399 MeV [-22.790 MeV] (A_Hf:215)

174Hf72 + 11 D* --> 123Sb51 + 73Ge32 + 249.168 MeV [70.283 MeV] (A_Hf:216)
174Hf72 + 11 D* --> 125Te52 + 71Ga31 + 247.809 MeV [68.924 MeV] (A_Hf:217)
174Hf72 + 11 D* --> 131Xe54 + 65Cu29 + 244.325 MeV [65.440 MeV] (A_Hf:218)
174Hf72 + 11 D* --> 137Ba56 + 59Co27 + 238.596 MeV [59.711 MeV] (A_Hf:219)
174Hf72 + 11 D* --> 138La57 + 58Fe26 + 237.324 MeV [58.440 MeV] (A_Hf:220)
174Hf72 + 11 D* --> 139La57 + 57Fe26 + 236.058 MeV [57.173 MeV] (A_Hf:221)
174Hf72 + 11 D* --> 145Nd60 + 51V23 + 222.285 MeV [43.400 MeV] (A_Hf:222)
174Hf72 + 11 D* --> 146Nd60 + 50V23 + 218.799 MeV [39.914 MeV] (A_Hf:223)
174Hf72 + 11 D* --> 153Eu63 + 43Ca20 + 200.428 MeV [21.544 MeV] (A_Hf:224)
174Hf72 + 11 D* --> 155Gd64 + 41K19 + 196.283 MeV [17.398 MeV] (A_Hf:225)
174Hf72 + 11 D* --> 156Gd64 + 40K19 + 194.724 MeV [15.839 MeV] (A_Hf:226)
174Hf72 + 11 D* --> 157Gd64 + 39K19 + 193.284 MeV [14.399 MeV] (A_Hf:227)
174Hf72 + 11 D* --> 161Dy66 + 35Cl17 + 185.721 MeV [6.836 MeV] (A_Hf:228)

174Hf72 + 12 D* --> 100Mo42 + 98Mo42 + 276.078 MeV [79.218 MeV] (A_Hf:229)
174Hf72 + 12 D* --> 102Ru44 + 96Zr40 + 276.323 MeV [79.463 MeV] (A_Hf:230)
174Hf72 + 12 D* --> 104Ru44 + 94Zr40 + 277.138 MeV [80.278 MeV] (A_Hf:231)
174Hf72 + 12 D* --> 110Pd46 + 88Sr38 + 278.053 MeV [81.193 MeV] (A_Hf:232)
174Hf72 + 12 D* --> 112Cd48 + 86Kr36 + 275.628 MeV [78.768 MeV] (A_Hf:233)
174Hf72 + 12 D* --> 114Cd48 + 84Kr36 + 274.234 MeV [77.374 MeV] (A_Hf:234)
174Hf72 + 12 D* --> 116Cd48 + 82Kr36 + 271.091 MeV [74.231 MeV] (A_Hf:235)
174Hf72 + 12 D* --> 116Sn50 + 82Se34 + 270.904 MeV [74.044 MeV] (A_Hf:236)
174Hf72 + 12 D* --> 118Sn50 + 80Se34 + 271.198 MeV [74.338 MeV] (A_Hf:237)
174Hf72 + 12 D* --> 120Sn50 + 78Se34 + 269.913 MeV [73.054 MeV] (A_Hf:238)
174Hf72 + 12 D* --> 122Sn50 + 76Se34 + 266.980 MeV [70.120 MeV] (A_Hf:239)
174Hf72 + 12 D* --> 124Sn50 + 74Se34 + 262.232 MeV [65.372 MeV] (A_Hf:240)
174Hf72 + 12 D* --> 123Sb51 + 75As33 + 264.039 MeV [67.179 MeV] (A_Hf:241)
174Hf72 + 12 D* --> 122Te52 + 76Ge32 + 265.309 MeV [68.449 MeV] (A_Hf:242)
174Hf72 + 12 D* --> 124Te52 + 74Ge32 + 265.729 MeV [68.869 MeV] (A_Hf:243)
174Hf72 + 12 D* --> 125Te52 + 73Ge32 + 262.102 MeV [65.242 MeV] (A_Hf:244)
174Hf72 + 12 D* --> 126Te52 + 72Ge32 + 264.433 MeV [67.573 MeV] (A_Hf:245)
174Hf72 + 12 D* --> 128Te52 + 70Ge32 + 261.337 MeV [64.478 MeV] (A_Hf:246)
174Hf72 + 12 D* --> 127I53 + 71Ga31 + 260.905 MeV [64.046 MeV] (A_Hf:247)
174Hf72 + 12 D* --> 128Xe54 + 70Zn30 + 261.207 MeV [64.347 MeV] (A_Hf:248)
174Hf72 + 12 D* --> 130Xe54 + 68Zn30 + 261.671 MeV [64.811 MeV] (A_Hf:249)
174Hf72 + 12 D* --> 131Xe54 + 67Zn30 + 258.078 MeV [61.218 MeV] (A_Hf:250)
174Hf72 + 12 D* --> 132Xe54 + 66Zn30 + 259.962 MeV [63.102 MeV] (A_Hf:251)
174Hf72 + 12 D* --> 134Xe54 + 64Zn30 + 255.910 MeV [59.050 MeV] (A_Hf:252)
174Hf72 + 12 D* --> 133Cs55 + 65Cu29 + 257.117 MeV [60.257 MeV] (A_Hf:253)
174Hf72 + 12 D* --> 134Ba56 + 64Ni28 + 257.831 MeV [60.972 MeV] (A_Hf:254)
174Hf72 + 12 D* --> 136Ba56 + 62Ni28 + 257.415 MeV [60.555 MeV] (A_Hf:255)
174Hf72 + 12 D* --> 137Ba56 + 61Ni28 + 253.724 MeV [56.864 MeV] (A_Hf:256)
174Hf72 + 12 D* --> 138Ba56 + 60Ni28 + 254.516 MeV [57.656 MeV] (A_Hf:257)
174Hf72 + 12 D* --> 139La57 + 59Co27 + 251.242 MeV [54.382 MeV] (A_Hf:258)
174Hf72 + 12 D* --> 140Ce58 + 58Fe26 + 252.019 MeV [55.159 MeV] (A_Hf:259)
174Hf72 + 12 D* --> 142Ce58 + 56Fe26 + 246.926 MeV [50.066 MeV] (A_Hf:260)
174Hf72 + 12 D* --> 144Nd60 + 54Cr24 + 242.468 MeV [45.608 MeV] (A_Hf:261)
174Hf72 + 12 D* --> 145Nd60 + 53Cr24 + 238.504 MeV [41.644 MeV] (A_Hf:262)
174Hf72 + 12 D* --> 146Nd60 + 52Cr24 + 238.130 MeV [41.270 MeV] (A_Hf:263)
174Hf72 + 12 D* --> 148Nd60 + 50Cr24 + 229.455 MeV [32.595 MeV] (A_Hf:264)
174Hf72 + 12 D* --> 148Sm62 + 50Ti22 + 232.551 MeV [35.691 MeV] (A_Hf:265)
174Hf72 + 12 D* --> 149Sm62 + 49Ti22 + 227.483 MeV [30.623 MeV] (A_Hf:266)
174Hf72 + 12 D* --> 150Sm62 + 48Ti22 + 227.327 MeV [30.467 MeV] (A_Hf:267)
174Hf72 + 12 D* --> 152Sm62 + 46Ti22 + 220.674 MeV [23.815 MeV] (A_Hf:268)
174Hf72 + 12 D* --> 153Eu63 + 45Sc21 + 216.223 MeV [19.364 MeV] (A_Hf:269)
174Hf72 + 12 D* --> 152Gd64 + 46Ca20 + 219.631 MeV [22.772 MeV] (A_Hf:270)
174Hf72 + 12 D* --> 154Gd64 + 44Ca20 + 216.964 MeV [20.104 MeV] (A_Hf:271)
174Hf72 + 12 D* --> 155Gd64 + 43Ca20 + 212.268 MeV [15.408 MeV] (A_Hf:272)
174Hf72 + 12 D* --> 156Gd64 + 42Ca20 + 212.871 MeV [16.012 MeV] (A_Hf:273)
174Hf72 + 12 D* --> 158Gd64 + 40Ca20 + 207.325 MeV [10.465 MeV] (A_Hf:274)
174Hf72 + 12 D* --> 159Tb65 + 39K19 + 205.128 MeV [8.268 MeV] (A_Hf:275)
174Hf72 + 12 D* --> 158Dy66 + 40Ar18 + 207.234 MeV [10.374 MeV] (A_Hf:276)
174Hf72 + 12 D* --> 160Dy66 + 38Ar18 + 206.175 MeV [9.315 MeV] (A_Hf:277)
174Hf72 + 12 D* --> 162Dy66 + 36Ar18 + 200.200 MeV [3.341 MeV] (A_Hf:278)
174Hf72 + 12 D* --> 162Er68 + 36S16 + 198.789 MeV [1.929 MeV] (A_Hf:279)
174Hf72 + 12 D* --> 164Er68 + 34S16 + 197.663 MeV [00.804 MeV] (A_Hf:280)
174Hf72 + 12 D* --> 166Er68 + 32S16 + 192.729 MeV [-4.130 MeV] (A_Hf:281)

174Hf72 + 12 D* --> 168Yb70 + 30Si14 + 187.790 MeV [-9.070 MeV] (A_Hf:282)
174Hf72 + 12 D* --> 170Yb70 + 28Si14 + 184.044 MeV [-12.816 MeV] (A_Hf:283)
174Hf72 + 12 D* --> 174Hf72 + 24Mg12 + 171.562 MeV [-25.297 MeV] (A_Hf:284)

176Hf72 + D* --> 163Dy66 + 15N7 + 24.843 MeV [10.098 MeV] (A_Hf:285)
176Hf72 + D* --> 164Dy66 + 14N7 + 21.668 MeV [6.923 MeV] (A_Hf:286)
176Hf72 + D* --> 165Ho67 + 13C6 + 20.338 MeV [5.593 MeV] (A_Hf:287)
176Hf72 + D* --> 167Er68 + 11B5 + 13.187 MeV [-1.558 MeV] (A_Hf:288)
176Hf72 + D* --> 168Er68 + 10B5 + 9.504 MeV [-5.241 MeV] (A_Hf:289)
176Hf72 + D* --> 169Tm69 + 9Be4 + 8.491 MeV [-6.254 MeV] (A_Hf:290)
176Hf72 + D* --> 171Yb70 + 7Li3 + 2.962 MeV [-11.783 MeV] (A_Hf:291)
176Hf72 + D* --> 172Yb70 + 6Li3 + 3.732 MeV [-11.013 MeV] (A_Hf:292)
176Hf72 + D* --> 177Hf72 + 1H1 + 4.159 MeV [-10.586 MeV] (A_Hf:293)

176Hf72 + 2 D* --> 130Te52 + 50Ti22 + 110.472 MeV [80.684 MeV] (A_Hf:294)
176Hf72 + 2 D* --> 132Xe54 + 48Ca20 + 105.189 MeV [75.400 MeV] (A_Hf:295)
176Hf72 + 2 D* --> 134Xe54 + 46Ca20 + 102.954 MeV [73.165 MeV] (A_Hf:296)
176Hf72 + 2 D* --> 136Xe54 + 44Ca20 + 99.588 MeV [69.799 MeV] (A_Hf:297)
176Hf72 + 2 D* --> 150Nd60 + 30Si14 + 69.817 MeV [40.028 MeV] (A_Hf:298)
176Hf72 + 2 D* --> 154Sm62 + 26Mg12 + 60.370 MeV [30.582 MeV] (A_Hf:299)
176Hf72 + 2 D* --> 158Gd64 + 22Ne10 + 50.415 MeV [20.627 MeV] (A_Hf:300)
176Hf72 + 2 D* --> 160Gd64 + 20Ne10 + 46.684 MeV [16.896 MeV] (A_Hf:301)
176Hf72 + 2 D* --> 162Dy66 + 18O8 + 40.662 MeV [10.874 MeV] (A_Hf:302)
176Hf72 + 2 D* --> 163Dy66 + 17O8 + 38.889 MeV [9.101 MeV] (A_Hf:303)
176Hf72 + 2 D* --> 164Dy66 + 16O8 + 42.404 MeV [12.616 MeV] (A_Hf:304)
176Hf72 + 2 D* --> 165Ho67 + 15N7 + 36.497 MeV [6.709 MeV] (A_Hf:305)
176Hf72 + 2 D* --> 167Er68 + 13C6 + 31.866 MeV [2.077 MeV] (A_Hf:306)
176Hf72 + 2 D* --> 168Er68 + 12C6 + 34.691 MeV [4.902 MeV] (A_Hf:307)
176Hf72 + 2 D* --> 169Tm69 + 11B5 + 24.306 MeV [-5.482 MeV] (A_Hf:308)
176Hf72 + 2 D* --> 171Yb70 + 9Be4 + 19.658 MeV [-10.130 MeV] (A_Hf:309)
176Hf72 + 2 D* --> 176Hf72 + 4He2 + 23.847 MeV [-5.942 MeV] (A_Hf:310)
176Hf72 + 2 D* --> 177Hf72 + 3He2 + 9.652 MeV [-20.136 MeV] (A_Hf:311)
176Hf72 + 2 D* --> 180W74 + 21.338 MeV [-8.450 MeV] (A_Hf:312)

176Hf72 + 3 D* --> 163Dy66 + 19F9 + 52.704 MeV [7.575 MeV] (A_Hf:313)
176Hf72 + 3 D* --> 165Ho67 + 17O8 + 50.543 MeV [5.415 MeV] (A_Hf:314)
176Hf72 + 3 D* --> 167Er68 + 15N7 + 48.025 MeV [2.897 MeV] (A_Hf:315)
176Hf72 + 3 D* --> 168Er68 + 14N7 + 44.963 MeV [-0.165 MeV] (A_Hf:316)
176Hf72 + 3 D* --> 169Tm69 + 13C6 + 42.985 MeV [-2.144 MeV] (A_Hf:317)
176Hf72 + 3 D* --> 171Yb70 + 11B5 + 35.474 MeV [-9.654 MeV] (A_Hf:318)
176Hf72 + 3 D* --> 172Yb70 + 10B5 + 32.039 MeV [-13.089 MeV] (A_Hf:319)
176Hf72 + 3 D* --> 176Hf72 + 6Li3 + 25.320 MeV [-19.808 MeV] (A_Hf:320)
176Hf72 + 3 D* --> 180W74 + 2H1 + 21.338 MeV [-23.790 MeV] (A_Hf:321)

176Hf72 + 4 D* --> 130Te52 + 54Cr24 + 142.249 MeV [81.487 MeV] (A_Hf:322)
176Hf72 + 4 D* --> 134Xe54 + 50Ti22 + 137.517 MeV [76.754 MeV] (A_Hf:323)
176Hf72 + 4 D* --> 136Xe54 + 48Ti22 + 132.878 MeV [72.116 MeV] (A_Hf:324)
176Hf72 + 4 D* --> 136Ba56 + 48Ca20 + 131.066 MeV [70.304 MeV] (A_Hf:325)
176Hf72 + 4 D* --> 138Ba56 + 46Ca20 + 129.362 MeV [68.600 MeV] (A_Hf:326)
176Hf72 + 4 D* --> 148Nd60 + 36S16 + 106.043 MeV [45.281 MeV] (A_Hf:327)
176Hf72 + 4 D* --> 150Nd60 + 34S16 + 101.587 MeV [40.824 MeV] (A_Hf:328)
176Hf72 + 4 D* --> 154Sm62 + 30Si14 + 94.860 MeV [34.098 MeV] (A_Hf:329)
176Hf72 + 4 D* --> 158Gd64 + 26Mg12 + 84.877 MeV [24.114 MeV] (A_Hf:330)
176Hf72 + 4 D* --> 160Gd64 + 24Mg12 + 79.848 MeV [19.085 MeV] (A_Hf:331)

176Hf72 + 4 D* --> 162Dy66 + 22Ne10 + 74.177 MeV [13.415 MeV] (A_Hf:332)
176Hf72 + 4 D* --> 163Dy66 + 21Ne10 + 70.084 MeV [9.321 MeV] (A_Hf:333)
176Hf72 + 4 D* --> 164Dy66 + 20Ne10 + 70.981 MeV [10.218 MeV] (A_Hf:334)
176Hf72 + 4 D* --> 165Ho67 + 19F9 + 64.357 MeV [3.595 MeV] (A_Hf:335)
176Hf72 + 4 D* --> 166Er68 + 18O8 + 63.678 MeV [2.916 MeV] (A_Hf:336)
176Hf72 + 4 D* --> 167Er68 + 17O8 + 62.071 MeV [1.309 MeV] (A_Hf:337)
176Hf72 + 4 D* --> 168Er68 + 16O8 + 65.699 MeV [4.937 MeV] (A_Hf:338)
176Hf72 + 4 D* --> 169Tm69 + 15N7 + 59.144 MeV [-1.618 MeV] (A_Hf:339)
176Hf72 + 4 D* --> 171Yb70 + 13C6 + 54.153 MeV [-6.610 MeV] (A_Hf:340)
176Hf72 + 4 D* --> 172Yb70 + 12C6 + 57.226 MeV [-3.537 MeV] (A_Hf:341)
176Hf72 + 4 D* --> 180W74 + 4He2 + 45.185 MeV [-15.577 MeV] (A_Hf:342)
176Hf72 + 4 D* --> 184Os76 + 42.222 MeV [-18.541 MeV] (A_Hf:343)

176Hf72 + 5 D* --> 136Xe54 + 50V23 + 146.748 MeV [70.059 MeV] (A_Hf:344)
176Hf72 + 5 D* --> 138La57 + 48Ca20 + 141.840 MeV [65.151 MeV] (A_Hf:345)
176Hf72 + 5 D* --> 163Dy66 + 23Na11 + 87.017 MeV [10.329 MeV] (A_Hf:346)
176Hf72 + 5 D* --> 165Ho67 + 21Ne10 + 81.737 MeV [5.049 MeV] (A_Hf:347)
176Hf72 + 5 D* --> 167Er68 + 19F9 + 75.885 MeV [-0.804 MeV] (A_Hf:348)
176Hf72 + 5 D* --> 169Tm69 + 17O8 + 73.190 MeV [-3.499 MeV] (A_Hf:349)
176Hf72 + 5 D* --> 171Yb70 + 15N7 + 70.312 MeV [-6.377 MeV] (A_Hf:350)
176Hf72 + 5 D* --> 172Yb70 + 14N7 + 67.498 MeV [-9.191 MeV] (A_Hf:351)
176Hf72 + 5 D* --> 176Hf72 + 10B5 + 53.628 MeV [-23.061 MeV] (A_Hf:352)
176Hf72 + 5 D* --> 180W74 + 6Li3 + 46.659 MeV [-30.030 MeV] (A_Hf:353)
176Hf72 + 5 D* --> 184Os76 + 2H1 + 42.222 MeV [-34.467 MeV] (A_Hf:354)

176Hf72 + 6 D* --> 124Sn50 + 64Ni28 + 179.573 MeV [86.667 MeV] (A_Hf:355)
176Hf72 + 6 D* --> 130Te52 + 58Fe26 + 173.742 MeV [80.836 MeV] (A_Hf:356)
176Hf72 + 6 D* --> 134Xe54 + 54Cr24 + 169.294 MeV [76.388 MeV] (A_Hf:357)
176Hf72 + 6 D* --> 136Xe54 + 52Cr24 + 166.079 MeV [73.173 MeV] (A_Hf:358)
176Hf72 + 6 D* --> 138Ba56 + 50Ti22 + 163.925 MeV [71.020 MeV] (A_Hf:359)
176Hf72 + 6 D* --> 140Ce58 + 48Ca20 + 156.534 MeV [63.629 MeV] (A_Hf:360)
176Hf72 + 6 D* --> 142Ce58 + 46Ca20 + 151.910 MeV [59.005 MeV] (A_Hf:361)
176Hf72 + 6 D* --> 148Nd60 + 40Ar18 + 136.690 MeV [43.785 MeV] (A_Hf:362)
176Hf72 + 6 D* --> 150Nd60 + 38Ar18 + 132.641 MeV [39.735 MeV] (A_Hf:363)
176Hf72 + 6 D* --> 152Sm62 + 36S16 + 129.670 MeV [36.764 MeV] (A_Hf:364)
176Hf72 + 6 D* --> 154Sm62 + 34S16 + 126.630 MeV [33.725 MeV] (A_Hf:365)
176Hf72 + 6 D* --> 158Gd64 + 30Si14 + 119.367 MeV [26.461 MeV] (A_Hf:366)
176Hf72 + 6 D* --> 160Gd64 + 28Si14 + 113.678 MeV [20.773 MeV] (A_Hf:367)
176Hf72 + 6 D* --> 162Dy66 + 26Mg12 + 108.638 MeV [15.733 MeV] (A_Hf:368)
176Hf72 + 6 D* --> 163Dy66 + 25Mg12 + 103.816 MeV [10.911 MeV] (A_Hf:369)
176Hf72 + 6 D* --> 164Dy66 + 24Mg12 + 104.144 MeV [11.238 MeV] (A_Hf:370)
176Hf72 + 6 D* --> 165Ho67 + 23Na11 + 98.671 MeV [5.766 MeV] (A_Hf:371)
176Hf72 + 6 D* --> 166Er68 + 22Ne10 + 97.193 MeV [4.288 MeV] (A_Hf:372)
176Hf72 + 6 D* --> 167Er68 + 21Ne10 + 93.265 MeV [00.360 MeV] (A_Hf:373)
176Hf72 + 6 D* --> 168Er68 + 20Ne10 + 94.275 MeV [1.370 MeV] (A_Hf:374)
176Hf72 + 6 D* --> 169Tm69 + 19F9 + 87.004 MeV [-5.901 MeV] (A_Hf:375)
176Hf72 + 6 D* --> 170Yb70 + 18O8 + 85.787 MeV [-7.118 MeV] (A_Hf:376)
176Hf72 + 6 D* --> 171Yb70 + 17O8 + 84.358 MeV [-8.548 MeV] (A_Hf:377)
176Hf72 + 6 D* --> 172Yb70 + 16O8 + 88.234 MeV [-4.671 MeV] (A_Hf:378)
176Hf72 + 6 D* --> 176Hf72 + 12C6 + 78.814 MeV [-14.091 MeV] (A_Hf:379)
176Hf72 + 6 D* --> 184Os76 + 4He2 + 66.068 MeV [-26.838 MeV] (A_Hf:380)

176Hf72 + 7 D* --> 150Nd60 + 40K19 + 144.597 MeV [35.187 MeV] (A_Hf:381)
176Hf72 + 7 D* --> 163Dy66 + 27Al13 + 120.956 MeV [11.545 MeV] (A_Hf:382)

176Hf72 + 7 D* --> 165Ho67 + 25Mg12 + 115.470 MeV [6.059 MeV] (A_Hf:383)
176Hf72 + 7 D* --> 167Er68 + 23Na11 + 110.199 MeV [00.788 MeV] (A_Hf:384)
176Hf72 + 7 D* --> 169Tm69 + 21Ne10 + 104.384 MeV [-5.027 MeV] (A_Hf:385)
176Hf72 + 7 D* --> 171Yb70 + 19F9 + 98.172 MeV [-11.239 MeV] (A_Hf:386)
176Hf72 + 7 D* --> 176Hf72 + 14N7 + 89.087 MeV [-20.324 MeV] (A_Hf:387)
176Hf72 + 7 D* --> 180W74 + 10B5 + 74.966 MeV [-34.445 MeV] (A_Hf:388)
176Hf72 + 7 D* --> 184Os76 + 6Li3 + 67.542 MeV [-41.869 MeV] (A_Hf:389)

176Hf72 + 8 D* --> 96Zr40 + 96Zr40 + 221.394 MeV [95.191 MeV] (A_Hf:390)
176Hf72 + 8 D* --> 110Pd46 + 82Se34 + 216.451 MeV [90.249 MeV] (A_Hf:391)
176Hf72 + 8 D* --> 116Cd48 + 76Ge32 + 212.441 MeV [86.238 MeV] (A_Hf:392)
176Hf72 + 8 D* --> 122Sn50 + 70Zn30 + 210.019 MeV [83.816 MeV] (A_Hf:393)
176Hf72 + 8 D* --> 124Sn50 + 68Zn30 + 208.752 MeV [82.549 MeV] (A_Hf:394)
176Hf72 + 8 D* --> 128Te52 + 64Ni28 + 206.600 MeV [80.397 MeV] (A_Hf:395)
176Hf72 + 8 D* --> 130Te52 + 62Ni28 + 204.606 MeV [78.403 MeV] (A_Hf:396)
176Hf72 + 8 D* --> 134Xe54 + 58Fe26 + 200.786 MeV [74.583 MeV] (A_Hf:397)
176Hf72 + 8 D* --> 136Xe54 + 56Fe26 + 197.539 MeV [71.336 MeV] (A_Hf:398)
176Hf72 + 8 D* --> 138Ba56 + 54Cr24 + 195.702 MeV [69.500 MeV] (A_Hf:399)
176Hf72 + 8 D* --> 142Ce58 + 50Ti22 + 186.473 MeV [60.271 MeV] (A_Hf:400)
176Hf72 + 8 D* --> 144Nd60 + 48Ca20 + 178.476 MeV [52.273 MeV] (A_Hf:401)
176Hf72 + 8 D* --> 146Nd60 + 46Ca20 + 174.574 MeV [48.372 MeV] (A_Hf:402)
176Hf72 + 8 D* --> 148Nd60 + 44Ca20 + 169.390 MeV [43.187 MeV] (A_Hf:403)
176Hf72 + 8 D* --> 150Nd60 + 42Ca20 + 162.745 MeV [36.542 MeV] (A_Hf:404)
176Hf72 + 8 D* --> 152Sm62 + 40Ar18 + 160.317 MeV [34.114 MeV] (A_Hf:405)
176Hf72 + 8 D* --> 154Sm62 + 38Ar18 + 157.684 MeV [31.482 MeV] (A_Hf:406)
176Hf72 + 8 D* --> 156Gd64 + 36S16 + 153.715 MeV [27.512 MeV] (A_Hf:407)
176Hf72 + 8 D* --> 158Gd64 + 34S16 + 151.137 MeV [24.934 MeV] (A_Hf:408)
176Hf72 + 8 D* --> 160Gd64 + 32S16 + 144.473 MeV [18.270 MeV] (A_Hf:409)
176Hf72 + 8 D* --> 162Dy66 + 30Si14 + 143.128 MeV [16.925 MeV] (A_Hf:410)
176Hf72 + 8 D* --> 163Dy66 + 29Si14 + 138.790 MeV [12.587 MeV] (A_Hf:411)
176Hf72 + 8 D* --> 164Dy66 + 28Si14 + 137.974 MeV [11.772 MeV] (A_Hf:412)
176Hf72 + 8 D* --> 165Ho67 + 27Al13 + 132.609 MeV [6.407 MeV] (A_Hf:413)
176Hf72 + 8 D* --> 166Er68 + 26Mg12 + 131.654 MeV [5.452 MeV] (A_Hf:414)
176Hf72 + 8 D* --> 167Er68 + 25Mg12 + 126.998 MeV [00.795 MeV] (A_Hf:415)
176Hf72 + 8 D* --> 168Er68 + 24Mg12 + 127.439 MeV [1.236 MeV] (A_Hf:416)
176Hf72 + 8 D* --> 169Tm69 + 23Na11 + 121.318 MeV [-4.885 MeV] (A_Hf:417)
176Hf72 + 8 D* --> 170Yb70 + 22Ne10 + 119.302 MeV [-6.901 MeV] (A_Hf:418)
176Hf72 + 8 D* --> 171Yb70 + 21Ne10 + 115.552 MeV [-10.651 MeV] (A_Hf:419)
176Hf72 + 8 D* --> 172Yb70 + 20Ne10 + 116.810 MeV [-9.392 MeV] (A_Hf:420)
176Hf72 + 8 D* --> 174Hf72 + 18O8 + 107.136 MeV [-19.066 MeV] (A_Hf:421)
176Hf72 + 8 D* --> 176Hf72 + 16O8 + 109.823 MeV [-16.380 MeV] (A_Hf:422)
176Hf72 + 8 D* --> 180W74 + 12C6 + 100.153 MeV [-26.050 MeV] (A_Hf:423)

176Hf72 + 9 D* --> 154Sm62 + 40K19 + 169.641 MeV [26.361 MeV] (A_Hf:424)
176Hf72 + 9 D* --> 157Gd64 + 37Cl17 + 166.236 MeV [22.957 MeV] (A_Hf:425)
176Hf72 + 9 D* --> 163Dy66 + 31P15 + 154.471 MeV [11.192 MeV] (A_Hf:426)
176Hf72 + 9 D* --> 165Ho67 + 29Si14 + 150.444 MeV [7.164 MeV] (A_Hf:427)
176Hf72 + 9 D* --> 167Er68 + 27Al13 + 144.137 MeV [00.858 MeV] (A_Hf:428)
176Hf72 + 9 D* --> 169Tm69 + 25Mg12 + 138.117 MeV [-5.163 MeV] (A_Hf:429)
176Hf72 + 9 D* --> 171Yb70 + 23Na11 + 132.486 MeV [-10.794 MeV] (A_Hf:430)
176Hf72 + 9 D* --> 180W74 + 14N7 + 110.425 MeV [-32.855 MeV] (A_Hf:431)
176Hf72 + 9 D* --> 184Os76 + 10B5 + 95.849 MeV [-47.430 MeV] (A_Hf:432)

176Hf72 + 10 D* --> 100Mo42 + 96Zr40 + 248.407 MeV [87.767 MeV] (A_Hf:433)

176Hf72 + 10 D* --> 110Pd46 + 86Kr36 + 248.394 MeV [87.755 MeV] (A_Hf:434)
176Hf72 + 10 D* --> 114Cd48 + 82Se34 + 244.395 MeV [83.755 MeV] (A_Hf:435)
176Hf72 + 10 D* --> 116Cd48 + 80Se34 + 243.259 MeV [82.620 MeV] (A_Hf:436)
176Hf72 + 10 D* --> 120Sn50 + 76Ge32 + 241.098 MeV [80.458 MeV] (A_Hf:437)
176Hf72 + 10 D* --> 122Sn50 + 74Ge32 + 240.148 MeV [79.509 MeV] (A_Hf:438)
176Hf72 + 10 D* --> 124Sn50 + 72Ge32 + 237.602 MeV [76.963 MeV] (A_Hf:439)
176Hf72 + 10 D* --> 126Te52 + 70Zn30 + 236.409 MeV [75.770 MeV] (A_Hf:440)
176Hf72 + 10 D* --> 128Te52 + 68Zn30 + 235.779 MeV [75.140 MeV] (A_Hf:441)
176Hf72 + 10 D* --> 130Te52 + 66Zn30 + 233.031 MeV [72.391 MeV] (A_Hf:442)
176Hf72 + 10 D* --> 132Xe54 + 64Ni28 + 233.159 MeV [72.520 MeV] (A_Hf:443)
176Hf72 + 10 D* --> 134Xe54 + 62Ni28 + 231.650 MeV [71.011 MeV] (A_Hf:444)
176Hf72 + 10 D* --> 136Xe54 + 60Ni28 + 227.677 MeV [67.038 MeV] (A_Hf:445)
176Hf72 + 10 D* --> 138Ba56 + 58Fe26 + 227.195 MeV [66.555 MeV] (A_Hf:446)
176Hf72 + 10 D* --> 142Ce58 + 54Cr24 + 218.251 MeV [57.611 MeV] (A_Hf:447)
176Hf72 + 10 D* --> 146Nd60 + 50Ti22 + 209.137 MeV [48.498 MeV] (A_Hf:448)
176Hf72 + 10 D* --> 148Nd60 + 48Ti22 + 202.681 MeV [42.041 MeV] (A_Hf:449)
176Hf72 + 10 D* --> 150Nd60 + 46Ti22 + 194.593 MeV [33.953 MeV] (A_Hf:450)
176Hf72 + 10 D* --> 148Sm62 + 48Ca20 + 200.336 MeV [39.697 MeV] (A_Hf:451)
176Hf72 + 10 D* --> 150Sm62 + 46Ca20 + 196.972 MeV [36.333 MeV] (A_Hf:452)
176Hf72 + 10 D* --> 152Sm62 + 44Ca20 + 193.017 MeV [32.378 MeV] (A_Hf:453)
176Hf72 + 10 D* --> 154Sm62 + 42Ca20 + 187.788 MeV [27.149 MeV] (A_Hf:454)
176Hf72 + 10 D* --> 156Gd64 + 40Ar18 + 184.362 MeV [23.722 MeV] (A_Hf:455)
176Hf72 + 10 D* --> 158Gd64 + 38Ar18 + 182.191 MeV [21.552 MeV] (A_Hf:456)
176Hf72 + 10 D* --> 160Gd64 + 36Ar18 + 174.960 MeV [14.320 MeV] (A_Hf:457)
176Hf72 + 10 D* --> 159Tb65 + 37Cl17 + 178.080 MeV [17.441 MeV] (A_Hf:458)
176Hf72 + 10 D* --> 160Dy66 + 36S16 + 177.122 MeV [16.482 MeV] (A_Hf:459)
176Hf72 + 10 D* --> 162Dy66 + 34S16 + 174.898 MeV [14.259 MeV] (A_Hf:460)
176Hf72 + 10 D* --> 163Dy66 + 33S16 + 169.752 MeV [9.113 MeV] (A_Hf:461)
176Hf72 + 10 D* --> 164Dy66 + 32S16 + 168.769 MeV [8.129 MeV] (A_Hf:462)
176Hf72 + 10 D* --> 165Ho67 + 31P15 + 166.125 MeV [5.486 MeV] (A_Hf:463)
176Hf72 + 10 D* --> 166Er68 + 30Si14 + 166.144 MeV [5.505 MeV] (A_Hf:464)
176Hf72 + 10 D* --> 167Er68 + 29Si14 + 161.971 MeV [1.332 MeV] (A_Hf:465)
176Hf72 + 10 D* --> 168Er68 + 28Si14 + 161.269 MeV [00.630 MeV] (A_Hf:466)
176Hf72 + 10 D* --> 169Tm69 + 27Al13 + 155.256 MeV [-5.383 MeV] (A_Hf:467)
176Hf72 + 10 D* --> 170Yb70 + 26Mg12 + 153.763 MeV [-6.876 MeV] (A_Hf:468)
176Hf72 + 10 D* --> 171Yb70 + 25Mg12 + 149.285 MeV [-11.355 MeV] (A_Hf:469)
176Hf72 + 10 D* --> 172Yb70 + 24Mg12 + 149.974 MeV [-10.666 MeV] (A_Hf:470)
176Hf72 + 10 D* --> 174Hf72 + 22Ne10 + 140.651 MeV [-19.988 MeV] (A_Hf:471)
176Hf72 + 10 D* --> 176Hf72 + 20Ne10 + 138.399 MeV [-22.240 MeV] (A_Hf:472)
176Hf72 + 10 D* --> 180W74 + 16O8 + 131.161 MeV [-29.478 MeV] (A_Hf:473)
176Hf72 + 10 D* --> 184Os76 + 12C6 + 121.036 MeV [-39.604 MeV] (A_Hf:474)

176Hf72 + 11 D* --> 148Nd60 + 50V23 + 216.550 MeV [38.270 MeV] (A_Hf:475)
176Hf72 + 11 D* --> 157Gd64 + 41K19 + 196.305 MeV [18.025 MeV] (A_Hf:476)
176Hf72 + 11 D* --> 158Gd64 + 40K19 + 194.147 MeV [15.867 MeV] (A_Hf:477)
176Hf72 + 11 D* --> 161Dy66 + 37Cl17 + 189.738 MeV [11.458 MeV] (A_Hf:478)
176Hf72 + 11 D* --> 163Dy66 + 35Cl17 + 185.315 MeV [7.035 MeV] (A_Hf:479)
176Hf72 + 11 D* --> 165Ho67 + 33S16 + 181.406 MeV [3.125 MeV] (A_Hf:480)
176Hf72 + 11 D* --> 167Er68 + 31P15 + 177.653 MeV [-0.627 MeV] (A_Hf:481)
176Hf72 + 11 D* --> 169Tm69 + 29Si14 + 173.090 MeV [-5.190 MeV] (A_Hf:482)
176Hf72 + 11 D* --> 171Yb70 + 27Al13 + 166.424 MeV [-11.856 MeV] (A_Hf:483)
176Hf72 + 11 D* --> 184Os76 + 14N7 + 131.308 MeV [-46.972 MeV] (A_Hf:484)

176Hf72 + 12 D* --> 100Mo42 + 100Mo42 + 275.420 MeV [79.218 MeV] (A_Hf:485)

176Hf72 + 12 D* --> 104Ru44 + 96Zr40 + 276.583 MeV [80.382 MeV] (A_Hf:486)
176Hf72 + 12 D* --> 114Cd48 + 86Kr36 + 276.338 MeV [80.136 MeV] (A_Hf:487)
176Hf72 + 12 D* --> 116Cd48 + 84Kr36 + 274.202 MeV [78.000 MeV] (A_Hf:488)
176Hf72 + 12 D* --> 118Sn50 + 82Se34 + 272.301 MeV [76.100 MeV] (A_Hf:489)
176Hf72 + 12 D* --> 120Sn50 + 80Se34 + 271.916 MeV [75.715 MeV] (A_Hf:490)
176Hf72 + 12 D* --> 122Sn50 + 78Se34 + 270.023 MeV [73.822 MeV] (A_Hf:491)
176Hf72 + 12 D* --> 124Sn50 + 76Se34 + 266.540 MeV [70.339 MeV] (A_Hf:492)
176Hf72 + 12 D* --> 124Te52 + 76Ge32 + 266.789 MeV [70.587 MeV] (A_Hf:493)
176Hf72 + 12 D* --> 126Te52 + 74Ge32 + 266.538 MeV [70.337 MeV] (A_Hf:494)
176Hf72 + 12 D* --> 128Te52 + 72Ge32 + 264.629 MeV [68.428 MeV] (A_Hf:495)
176Hf72 + 12 D* --> 130Te52 + 70Ge32 + 260.966 MeV [64.764 MeV] (A_Hf:496)
176Hf72 + 12 D* --> 130Xe54 + 70Zn30 + 262.498 MeV [66.296 MeV] (A_Hf:497)
176Hf72 + 12 D* --> 132Xe54 + 68Zn30 + 262.339 MeV [66.138 MeV] (A_Hf:498)
176Hf72 + 12 D* --> 134Xe54 + 66Zn30 + 260.075 MeV [63.874 MeV] (A_Hf:499)
176Hf72 + 12 D* --> 136Xe54 + 64Zn30 + 255.480 MeV [59.279 MeV] (A_Hf:500)
176Hf72 + 12 D* --> 136Ba56 + 64Ni28 + 259.037 MeV [62.836 MeV] (A_Hf:501)
176Hf72 + 12 D* --> 138Ba56 + 62Ni28 + 258.059 MeV [61.858 MeV] (A_Hf:502)
176Hf72 + 12 D* --> 142Ce58 + 58Fe26 + 249.743 MeV [53.542 MeV] (A_Hf:503)
176Hf72 + 12 D* --> 146Nd60 + 54Cr24 + 240.915 MeV [44.713 MeV] (A_Hf:504)
176Hf72 + 12 D* --> 148Nd60 + 52Cr24 + 235.881 MeV [39.680 MeV] (A_Hf:505)
176Hf72 + 12 D* --> 150Nd60 + 50Cr24 + 227.000 MeV [30.799 MeV] (A_Hf:506)
176Hf72 + 12 D* --> 150Sm62 + 50Ti22 + 231.535 MeV [35.334 MeV] (A_Hf:507)
176Hf72 + 12 D* --> 152Sm62 + 48Ti22 + 226.308 MeV [30.106 MeV] (A_Hf:508)
176Hf72 + 12 D* --> 154Sm62 + 46Ti22 + 219.636 MeV [23.435 MeV] (A_Hf:509)
176Hf72 + 12 D* --> 152Gd64 + 48Ca20 + 221.979 MeV [25.778 MeV] (A_Hf:510)
176Hf72 + 12 D* --> 154Gd64 + 46Ca20 + 219.899 MeV [23.698 MeV] (A_Hf:511)
176Hf72 + 12 D* --> 156Gd64 + 44Ca20 + 217.062 MeV [20.861 MeV] (A_Hf:512)
176Hf72 + 12 D* --> 157Gd64 + 43Ca20 + 212.290 MeV [16.089 MeV] (A_Hf:513)
176Hf72 + 12 D* --> 158Gd64 + 42Ca20 + 212.295 MeV [16.094 MeV] (A_Hf:514)
176Hf72 + 12 D* --> 160Gd64 + 40Ca20 + 205.846 MeV [9.645 MeV] (A_Hf:515)
176Hf72 + 12 D* --> 159Tb65 + 41K19 + 208.149 MeV [11.948 MeV] (A_Hf:516)
176Hf72 + 12 D* --> 160Dy66 + 40Ar18 + 207.769 MeV [11.568 MeV] (A_Hf:517)
176Hf72 + 12 D* --> 162Dy66 + 38Ar18 + 205.953 MeV [9.751 MeV] (A_Hf:518)
176Hf72 + 12 D* --> 164Dy66 + 36Ar18 + 199.256 MeV [3.055 MeV] (A_Hf:519)
176Hf72 + 12 D* --> 165Ho67 + 35Cl17 + 196.969 MeV [00.768 MeV] (A_Hf:520)
176Hf72 + 12 D* --> 164Er68 + 36S16 + 199.665 MeV [3.464 MeV] (A_Hf:521)
176Hf72 + 12 D* --> 166Er68 + 34S16 + 197.915 MeV [1.713 MeV] (A_Hf:522)
176Hf72 + 12 D* --> 167Er68 + 33S16 + 192.934 MeV [-3.267 MeV] (A_Hf:523)
176Hf72 + 12 D* --> 168Er68 + 32S16 + 192.064 MeV [-4.138 MeV] (A_Hf:524)
176Hf72 + 12 D* --> 169Tm69 + 31P15 + 188.772 MeV [-7.429 MeV] (A_Hf:525)
176Hf72 + 12 D* --> 170Yb70 + 30Si14 + 188.253 MeV [-7.948 MeV] (A_Hf:526)
176Hf72 + 12 D* --> 171Yb70 + 29Si14 + 184.258 MeV [-11.943 MeV] (A_Hf:527)
176Hf72 + 12 D* --> 172Yb70 + 28Si14 + 183.804 MeV [-12.397 MeV] (A_Hf:528)
176Hf72 + 12 D* --> 174Hf72 + 26Mg12 + 175.112 MeV [-21.089 MeV] (A_Hf:529)
176Hf72 + 12 D* --> 176Hf72 + 24Mg12 + 171.562 MeV [-24.639 MeV] (A_Hf:530)
176Hf72 + 12 D* --> 180W74 + 20Ne10 + 159.738 MeV [-36.464 MeV] (A_Hf:531)
176Hf72 + 12 D* --> 184Os76 + 16O8 + 152.044 MeV [-44.157 MeV] (A_Hf:532)

177Hf72 + D* --> 160Gd64 + 19F9 + 29.682 MeV [14.965 MeV] (A_Hf:533)
177Hf72 + D* --> 164Dy66 + 15N7 + 26.118 MeV [11.400 MeV] (A_Hf:534)
177Hf72 + D* --> 168Er68 + 11B5 + 14.575 MeV [-0.143 MeV] (A_Hf:535)
177Hf72 + D* --> 172Yb70 + 7Li3 + 4.598 MeV [-10.119 MeV] (A_Hf:536)
177Hf72 + D* --> 173Yb70 + 6Li3 + 3.716 MeV [-11.002 MeV] (A_Hf:537)
177Hf72 + D* --> 175Lu71 + 4He2 + 12.992 MeV [-1.726 MeV] (A_Hf:538)

177Hf72 + D* --> 178Hf72 + 1H1 + 5.401 MeV [-9.316 MeV] (A_Hf:539)

177Hf72 + 2 D* --> 160Gd64 + 21Ne10 + 47.062 MeV [17.329 MeV] (A_Hf:540)
177Hf72 + 2 D* --> 163Dy66 + 18O8 + 40.550 MeV [10.816 MeV] (A_Hf:541)
177Hf72 + 2 D* --> 164Dy66 + 17O8 + 40.164 MeV [10.430 MeV] (A_Hf:542)
177Hf72 + 2 D* --> 168Er68 + 13C6 + 33.254 MeV [3.520 MeV] (A_Hf:543)
177Hf72 + 2 D* --> 172Yb70 + 9Be4 + 21.294 MeV [-8.439 MeV] (A_Hf:544)
177Hf72 + 2 D* --> 175Lu71 + 6Li3 + 14.466 MeV [-15.268 MeV] (A_Hf:545)
177Hf72 + 2 D* --> 177Hf72 + 4He2 + 23.847 MeV [-5.887 MeV] (A_Hf:546)
177Hf72 + 2 D* --> 178Hf72 + 3He2 + 10.895 MeV [-18.839 MeV] (A_Hf:547)
177Hf72 + 2 D* --> 180Ta73 + 1H1 + 15.029 MeV [-14.704 MeV] (A_Hf:548)

177Hf72 + 3 D* --> 160Gd64 + 23Na11 + 63.996 MeV [18.950 MeV] (A_Hf:549)
177Hf72 + 3 D* --> 164Dy66 + 19F9 + 53.978 MeV [8.932 MeV] (A_Hf:550)
177Hf72 + 3 D* --> 165Ho67 + 18O8 + 52.204 MeV [7.158 MeV] (A_Hf:551)
177Hf72 + 3 D* --> 168Er68 + 15N7 + 49.413 MeV [4.367 MeV] (A_Hf:552)
177Hf72 + 3 D* --> 172Yb70 + 11B5 + 37.110 MeV [-7.936 MeV] (A_Hf:553)
177Hf72 + 3 D* --> 173Yb70 + 10B5 + 32.023 MeV [-13.023 MeV] (A_Hf:554)
177Hf72 + 3 D* --> 176Hf72 + 7Li3 + 26.187 MeV [-18.859 MeV] (A_Hf:555)
177Hf72 + 3 D* --> 177Hf72 + 6Li3 + 25.320 MeV [-19.726 MeV] (A_Hf:556)
177Hf72 + 3 D* --> 180Ta73 + 3He2 + 20.523 MeV [-24.523 MeV] (A_Hf:557)
177Hf72 + 3 D* --> 182W74 + 1H1 + 27.476 MeV [-17.570 MeV] (A_Hf:558)

177Hf72 + 4 D* --> 136Xe54 + 49Ti22 + 134.637 MeV [73.985 MeV] (A_Hf:559)
177Hf72 + 4 D* --> 137Ba56 + 48Ca20 + 131.589 MeV [70.936 MeV] (A_Hf:560)
177Hf72 + 4 D* --> 160Gd64 + 25Mg12 + 80.795 MeV [20.142 MeV] (A_Hf:561)
177Hf72 + 4 D* --> 163Dy66 + 22Ne10 + 74.064 MeV [13.412 MeV] (A_Hf:562)
177Hf72 + 4 D* --> 164Dy66 + 21Ne10 + 71.358 MeV [10.706 MeV] (A_Hf:563)
177Hf72 + 4 D* --> 167Er68 + 18O8 + 63.732 MeV [3.079 MeV] (A_Hf:564)
177Hf72 + 4 D* --> 168Er68 + 17O8 + 63.459 MeV [2.806 MeV] (A_Hf:565)
177Hf72 + 4 D* --> 172Yb70 + 13C6 + 55.789 MeV [-4.864 MeV] (A_Hf:566)
177Hf72 + 4 D* --> 173Yb70 + 12C6 + 57.210 MeV [-3.443 MeV] (A_Hf:567)
177Hf72 + 4 D* --> 175Lu71 + 10B5 + 42.773 MeV [-17.879 MeV] (A_Hf:568)
177Hf72 + 4 D* --> 176Hf72 + 9Be4 + 42.883 MeV [-17.770 MeV] (A_Hf:569)
177Hf72 + 4 D* --> 182W74 + 3He2 + 32.970 MeV [-27.683 MeV] (A_Hf:570)

177Hf72 + 5 D* --> 136Xe54 + 51V23 + 151.416 MeV [74.864 MeV] (A_Hf:571)
177Hf72 + 5 D* --> 139La57 + 48Ca20 + 144.234 MeV [67.683 MeV] (A_Hf:572)
177Hf72 + 5 D* --> 150Nd60 + 37Cl17 + 118.240 MeV [41.688 MeV] (A_Hf:573)
177Hf72 + 5 D* --> 160Gd64 + 27Al13 + 97.934 MeV [21.382 MeV] (A_Hf:574)
177Hf72 + 5 D* --> 164Dy66 + 23Na11 + 88.292 MeV [11.740 MeV] (A_Hf:575)
177Hf72 + 5 D* --> 165Ho67 + 22Ne10 + 85.718 MeV [9.166 MeV] (A_Hf:576)
177Hf72 + 5 D* --> 168Er68 + 19F9 + 77.273 MeV [00.721 MeV] (A_Hf:577)
177Hf72 + 5 D* --> 169Tm69 + 18O8 + 74.850 MeV [-1.701 MeV] (A_Hf:578)
177Hf72 + 5 D* --> 172Yb70 + 15N7 + 71.948 MeV [-4.604 MeV] (A_Hf:579)
177Hf72 + 5 D* --> 173Yb70 + 14N7 + 67.482 MeV [-9.070 MeV] (A_Hf:580)
177Hf72 + 5 D* --> 175Lu71 + 12C6 + 67.960 MeV [-8.592 MeV] (A_Hf:581)
177Hf72 + 5 D* --> 176Hf72 + 11B5 + 58.699 MeV [-17.853 MeV] (A_Hf:582)
177Hf72 + 5 D* --> 177Hf72 + 10B5 + 53.628 MeV [-22.924 MeV] (A_Hf:583)
177Hf72 + 5 D* --> 180W74 + 7Li3 + 47.525 MeV [-29.027 MeV] (A_Hf:584)
177Hf72 + 5 D* --> 186Os76 + 1H1 + 48.499 MeV [-28.052 MeV] (A_Hf:585)

177Hf72 + 6 D* --> 136Xe54 + 53Cr24 + 167.635 MeV [74.893 MeV] (A_Hf:586)
177Hf72 + 6 D* --> 160Gd64 + 29Si14 + 115.768 MeV [23.027 MeV] (A_Hf:587)

177Hf72 + 6 D* --> 163Dy66 + 26Mg12 + 108.526 MeV [15.784 MeV] (A_Hf:588)
177Hf72 + 6 D* --> 164Dy66 + 25Mg12 + 105.091 MeV [12.349 MeV] (A_Hf:589)
177Hf72 + 6 D* --> 167Er68 + 22Ne10 + 97.246 MeV [4.505 MeV] (A_Hf:590)
177Hf72 + 6 D* --> 168Er68 + 21Ne10 + 94.653 MeV [1.912 MeV] (A_Hf:591)
177Hf72 + 6 D* --> 171Yb70 + 18O8 + 86.018 MeV [-6.723 MeV] (A_Hf:592)
177Hf72 + 6 D* --> 172Yb70 + 17O8 + 85.994 MeV [-6.748 MeV] (A_Hf:593)
177Hf72 + 6 D* --> 173Yb70 + 16O8 + 88.218 MeV [-4.523 MeV] (A_Hf:594)
177Hf72 + 6 D* --> 175Lu71 + 14N7 + 78.232 MeV [-14.509 MeV] (A_Hf:595)
177Hf72 + 6 D* --> 176Hf72 + 13C6 + 77.377 MeV [-15.364 MeV] (A_Hf:596)
177Hf72 + 6 D* --> 177Hf72 + 12C6 + 78.814 MeV [-13.927 MeV] (A_Hf:597)
177Hf72 + 6 D* --> 180W74 + 9Be4 + 64.222 MeV [-28.520 MeV] (A_Hf:598)
177Hf72 + 6 D* --> 186Os76 + 3He2 + 53.993 MeV [-38.748 MeV] (A_Hf:599)

177Hf72 + 7 D* --> 136Xe54 + 55Mn25 + 183.196 MeV [73.977 MeV] (A_Hf:600)
177Hf72 + 7 D* --> 150Nd60 + 41K19 + 148.309 MeV [39.090 MeV] (A_Hf:601)
177Hf72 + 7 D* --> 154Sm62 + 37Cl17 + 143.284 MeV [34.064 MeV] (A_Hf:602)
177Hf72 + 7 D* --> 160Gd64 + 31P15 + 131.450 MeV [22.230 MeV] (A_Hf:603)
177Hf72 + 7 D* --> 164Dy66 + 27Al13 + 122.230 MeV [13.011 MeV] (A_Hf:604)
177Hf72 + 7 D* --> 165Ho67 + 26Mg12 + 120.180 MeV [10.960 MeV] (A_Hf:605)
177Hf72 + 7 D* --> 168Er68 + 23Na11 + 111.587 MeV [2.367 MeV] (A_Hf:606)
177Hf72 + 7 D* --> 169Tm69 + 22Ne10 + 108.365 MeV [-0.855 MeV] (A_Hf:607)
177Hf72 + 7 D* --> 172Yb70 + 19F9 + 99.808 MeV [-9.412 MeV] (A_Hf:608)
177Hf72 + 7 D* --> 175Lu71 + 16O8 + 98.968 MeV [-10.251 MeV] (A_Hf:609)
177Hf72 + 7 D* --> 176Hf72 + 15N7 + 93.537 MeV [-15.683 MeV] (A_Hf:610)
177Hf72 + 7 D* --> 177Hf72 + 14N7 + 89.087 MeV [-20.133 MeV] (A_Hf:611)
177Hf72 + 7 D* --> 180W74 + 11B5 + 80.037 MeV [-29.183 MeV] (A_Hf:612)
177Hf72 + 7 D* --> 184Os76 + 7Li3 + 68.408 MeV [-40.811 MeV] (A_Hf:613)
177Hf72 + 7 D* --> 190Pt78 + 1H1 + 69.095 MeV [-40.125 MeV] (A_Hf:614)

177Hf72 + 8 D* --> 136Xe54 + 57Fe26 + 198.801 MeV [72.817 MeV] (A_Hf:615)
177Hf72 + 8 D* --> 145Nd60 + 48Ca20 + 177.847 MeV [51.863 MeV] (A_Hf:616)
177Hf72 + 8 D* --> 150Nd60 + 43Ca20 + 164.294 MeV [38.310 MeV] (A_Hf:617)
177Hf72 + 8 D* --> 157Gd64 + 36S16 + 153.691 MeV [27.706 MeV] (A_Hf:618)
177Hf72 + 8 D* --> 160Gd64 + 33S16 + 146.731 MeV [20.746 MeV] (A_Hf:619)
177Hf72 + 8 D* --> 163Dy66 + 30Si14 + 143.016 MeV [17.031 MeV] (A_Hf:620)
177Hf72 + 8 D* --> 164Dy66 + 29Si14 + 140.064 MeV [14.080 MeV] (A_Hf:621)
177Hf72 + 8 D* --> 167Er68 + 26Mg12 + 131.707 MeV [5.723 MeV] (A_Hf:622)
177Hf72 + 8 D* --> 168Er68 + 25Mg12 + 128.386 MeV [2.401 MeV] (A_Hf:623)
177Hf72 + 8 D* --> 171Yb70 + 22Ne10 + 119.533 MeV [-6.451 MeV] (A_Hf:624)
177Hf72 + 8 D* --> 172Yb70 + 21Ne10 + 117.188 MeV [-8.796 MeV] (A_Hf:625)
177Hf72 + 8 D* --> 173Yb70 + 20Ne10 + 116.794 MeV [-9.190 MeV] (A_Hf:626)
177Hf72 + 8 D* --> 176Hf72 + 17O8 + 107.582 MeV [-18.402 MeV] (A_Hf:627)
177Hf72 + 8 D* --> 177Hf72 + 16O8 + 109.823 MeV [-16.162 MeV] (A_Hf:628)
177Hf72 + 8 D* --> 180W74 + 13C6 + 98.716 MeV [-27.269 MeV] (A_Hf:629)
177Hf72 + 8 D* --> 184Os76 + 9Be4 + 85.105 MeV [-40.880 MeV] (A_Hf:630)
177Hf72 + 8 D* --> 190Pt78 + 3He2 + 74.588 MeV [-51.396 MeV] (A_Hf:631)

177Hf72 + 9 D* --> 124Sn50 + 71Ga31 + 223.709 MeV [80.675 MeV] (A_Hf:632)
177Hf72 + 9 D* --> 130Te52 + 65Cu29 + 219.947 MeV [76.913 MeV] (A_Hf:633)
177Hf72 + 9 D* --> 136Xe54 + 59Co27 + 213.985 MeV [70.951 MeV] (A_Hf:634)
177Hf72 + 9 D* --> 150Nd60 + 45Sc21 + 180.089 MeV [37.055 MeV] (A_Hf:635)
177Hf72 + 9 D* --> 154Sm62 + 41K19 + 173.353 MeV [30.318 MeV] (A_Hf:636)
177Hf72 + 9 D* --> 158Gd64 + 37Cl17 + 167.790 MeV [24.756 MeV] (A_Hf:637)
177Hf72 + 9 D* --> 160Gd64 + 35Cl17 + 162.294 MeV [19.260 MeV] (A_Hf:638)

177Hf72 + 9 D* --> 159Tb65 + 36S16 + 165.535 MeV [22.501 MeV] (A_Hf:639)
177Hf72 + 9 D* --> 164Dy66 + 31P15 + 155.746 MeV [12.712 MeV] (A_Hf:640)
177Hf72 + 9 D* --> 165Ho67 + 30Si14 + 154.669 MeV [11.635 MeV] (A_Hf:641)
177Hf72 + 9 D* --> 168Er68 + 27Al13 + 145.525 MeV [2.491 MeV] (A_Hf:642)
177Hf72 + 9 D* --> 169Tm69 + 26Mg12 + 142.826 MeV [-0.208 MeV] (A_Hf:643)
177Hf72 + 9 D* --> 172Yb70 + 23Na11 + 134.122 MeV [-8.912 MeV] (A_Hf:644)
177Hf72 + 9 D* --> 175Lu71 + 20Ne10 + 127.545 MeV [-15.490 MeV] (A_Hf:645)
177Hf72 + 9 D* --> 176Hf72 + 19F9 + 121.397 MeV [-21.638 MeV] (A_Hf:646)
177Hf72 + 9 D* --> 180W74 + 15N7 + 114.875 MeV [-28.159 MeV] (A_Hf:647)
177Hf72 + 9 D* --> 184Os76 + 11B5 + 100.920 MeV [-42.114 MeV] (A_Hf:648)

177Hf72 + 10 D* --> 124Sn50 + 73Ge32 + 238.002 MeV [77.635 MeV] (A_Hf:649)
177Hf72 + 10 D* --> 130Te52 + 67Zn30 + 233.699 MeV [73.332 MeV] (A_Hf:650)
177Hf72 + 10 D* --> 136Xe54 + 61Ni28 + 229.114 MeV [68.746 MeV] (A_Hf:651)
177Hf72 + 10 D* --> 148Nd60 + 49Ti22 + 204.440 MeV [44.073 MeV] (A_Hf:652)
177Hf72 + 10 D* --> 150Nd60 + 47Ti22 + 197.090 MeV [36.723 MeV] (A_Hf:653)
177Hf72 + 10 D* --> 149Sm62 + 48Ca20 + 199.824 MeV [39.456 MeV] (A_Hf:654)
177Hf72 + 10 D* --> 154Sm62 + 43Ca20 + 189.338 MeV [28.971 MeV] (A_Hf:655)
177Hf72 + 10 D* --> 157Gd64 + 40Ar18 + 184.338 MeV [23.971 MeV] (A_Hf:656)
177Hf72 + 10 D* --> 161Dy66 + 36S16 + 177.193 MeV [16.826 MeV] (A_Hf:657)
177Hf72 + 10 D* --> 163Dy66 + 34S16 + 174.786 MeV [14.419 MeV] (A_Hf:658)
177Hf72 + 10 D* --> 164Dy66 + 33S16 + 171.027 MeV [10.660 MeV] (A_Hf:659)
177Hf72 + 10 D* --> 167Er68 + 30Si14 + 166.197 MeV [5.830 MeV] (A_Hf:660)
177Hf72 + 10 D* --> 168Er68 + 29Si14 + 163.359 MeV [2.992 MeV] (A_Hf:661)
177Hf72 + 10 D* --> 171Yb70 + 26Mg12 + 153.994 MeV [-6.373 MeV] (A_Hf:662)
177Hf72 + 10 D* --> 172Yb70 + 25Mg12 + 150.921 MeV [-9.446 MeV] (A_Hf:663)
177Hf72 + 10 D* --> 173Yb70 + 24Mg12 + 149.957 MeV [-10.410 MeV] (A_Hf:664)
177Hf72 + 10 D* --> 176Hf72 + 21Ne10 + 138.777 MeV [-21.590 MeV] (A_Hf:665)
177Hf72 + 10 D* --> 177Hf72 + 20Ne10 + 138.399 MeV [-21.968 MeV] (A_Hf:666)
177Hf72 + 10 D* --> 180W74 + 17O8 + 128.921 MeV [-31.446 MeV] (A_Hf:667)
177Hf72 + 10 D* --> 184Os76 + 13C6 + 119.599 MeV [-40.768 MeV] (A_Hf:668)

177Hf72 + 11 D* --> 124Sn50 + 75As33 + 252.872 MeV [74.891 MeV] (A_Hf:669)
177Hf72 + 11 D* --> 123Sb51 + 76Ge32 + 254.040 MeV [76.059 MeV] (A_Hf:670)
177Hf72 + 11 D* --> 128Te52 + 71Ga31 + 250.736 MeV [72.754 MeV] (A_Hf:671)
177Hf72 + 11 D* --> 130Te52 + 69Ga31 + 248.282 MeV [70.301 MeV] (A_Hf:672)
177Hf72 + 11 D* --> 134Xe54 + 65Cu29 + 246.991 MeV [69.010 MeV] (A_Hf:673)
177Hf72 + 11 D* --> 136Xe54 + 63Cu29 + 243.608 MeV [65.627 MeV] (A_Hf:674)
177Hf72 + 11 D* --> 148Nd60 + 51V23 + 221.218 MeV [43.237 MeV] (A_Hf:675)
177Hf72 + 11 D* --> 154Sm62 + 45Sc21 + 205.133 MeV [27.151 MeV] (A_Hf:676)
177Hf72 + 11 D* --> 151Eu63 + 48Ca20 + 210.477 MeV [32.495 MeV] (A_Hf:677)
177Hf72 + 11 D* --> 153Eu63 + 46Ca20 + 208.112 MeV [30.130 MeV] (A_Hf:678)
177Hf72 + 11 D* --> 158Gd64 + 41K19 + 197.859 MeV [19.878 MeV] (A_Hf:679)
177Hf72 + 11 D* --> 160Gd64 + 39K19 + 193.359 MeV [15.378 MeV] (A_Hf:680)
177Hf72 + 11 D* --> 159Tb65 + 40Ar18 + 196.182 MeV [18.201 MeV] (A_Hf:681)
177Hf72 + 11 D* --> 162Dy66 + 37Cl17 + 191.552 MeV [13.570 MeV] (A_Hf:682)
177Hf72 + 11 D* --> 164Dy66 + 35Cl17 + 186.590 MeV [8.609 MeV] (A_Hf:683)
177Hf72 + 11 D* --> 165Ho67 + 34S16 + 186.440 MeV [8.458 MeV] (A_Hf:684)
177Hf72 + 11 D* --> 168Er68 + 31P15 + 179.041 MeV [1.060 MeV] (A_Hf:685)
177Hf72 + 11 D* --> 169Tm69 + 30Si14 + 177.316 MeV [-0.665 MeV] (A_Hf:686)
177Hf72 + 11 D* --> 172Yb70 + 27Al13 + 168.060 MeV [-9.921 MeV] (A_Hf:687)
177Hf72 + 11 D* --> 175Lu71 + 24Mg12 + 160.708 MeV [-17.274 MeV] (A_Hf:688)
177Hf72 + 11 D* --> 176Hf72 + 23Na11 + 155.711 MeV [-22.271 MeV] (A_Hf:689)
177Hf72 + 11 D* --> 180W74 + 19F9 + 142.735 MeV [-35.246 MeV] (A_Hf:690)

177Hf72 + 11 D* --> 184Os76 + 15N7 + 135.758 MeV [-42.223 MeV] (A_Hf:691)

177Hf72 + 12 D* --> 119Sn50 + 82Se34 + 272.401 MeV [76.526 MeV] (A_Hf:692)
177Hf72 + 12 D* --> 124Sn50 + 77Se34 + 267.575 MeV [71.700 MeV] (A_Hf:693)
177Hf72 + 12 D* --> 125Te52 + 76Ge32 + 266.974 MeV [71.099 MeV] (A_Hf:694)
177Hf72 + 12 D* --> 128Te52 + 73Ge32 + 265.029 MeV [69.153 MeV] (A_Hf:695)
177Hf72 + 12 D* --> 131Xe54 + 70Zn30 + 262.719 MeV [66.844 MeV] (A_Hf:696)
177Hf72 + 12 D* --> 134Xe54 + 67Zn30 + 260.744 MeV [64.869 MeV] (A_Hf:697)
177Hf72 + 12 D* --> 137Ba56 + 64Ni28 + 259.560 MeV [63.684 MeV] (A_Hf:698)
177Hf72 + 12 D* --> 148Nd60 + 53Cr24 + 237.437 MeV [41.562 MeV] (A_Hf:699)
177Hf72 + 12 D* --> 152Sm62 + 49Ti22 + 228.067 MeV [32.191 MeV] (A_Hf:700)
177Hf72 + 12 D* --> 154Sm62 + 47Ti22 + 222.133 MeV [26.258 MeV] (A_Hf:701)
177Hf72 + 12 D* --> 155Gd64 + 46Ca20 + 219.951 MeV [24.076 MeV] (A_Hf:702)
177Hf72 + 12 D* --> 157Gd64 + 44Ca20 + 217.038 MeV [21.163 MeV] (A_Hf:703)
177Hf72 + 12 D* --> 158Gd64 + 43Ca20 + 213.844 MeV [17.969 MeV] (A_Hf:704)
177Hf72 + 12 D* --> 161Dy66 + 40Ar18 + 207.840 MeV [11.965 MeV] (A_Hf:705)
177Hf72 + 12 D* --> 163Dy66 + 38Ar18 + 205.840 MeV [9.965 MeV] (A_Hf:706)
177Hf72 + 12 D* --> 167Er68 + 34S16 + 197.968 MeV [2.092 MeV] (A_Hf:707)
177Hf72 + 12 D* --> 168Er68 + 33S16 + 194.322 MeV [-1.554 MeV] (A_Hf:708)
177Hf72 + 12 D* --> 171Yb70 + 30Si14 + 188.484 MeV [-7.391 MeV] (A_Hf:709)
177Hf72 + 12 D* --> 172Yb70 + 29Si14 + 185.894 MeV [-9.981 MeV] (A_Hf:710)
177Hf72 + 12 D* --> 173Yb70 + 28Si14 + 183.788 MeV [-12.087 MeV] (A_Hf:711)
177Hf72 + 12 D* --> 176Hf72 + 25Mg12 + 172.509 MeV [-23.366 MeV] (A_Hf:712)
177Hf72 + 12 D* --> 177Hf72 + 24Mg12 + 171.562 MeV [-24.313 MeV] (A_Hf:713)
177Hf72 + 12 D* --> 180W74 + 21Ne10 + 160.115 MeV [-35.760 MeV] (A_Hf:714)
177Hf72 + 12 D* --> 184Os76 + 17O8 + 149.804 MeV [-46.071 MeV] (A_Hf:715)

178Hf72 + D* --> 170Er68 + 10B5 + 8.755 MeV [-5.935 MeV] (A_Hf:716)
178Hf72 + D* --> 173Yb70 + 7Li3 + 3.340 MeV [-11.351 MeV] (A_Hf:717)
178Hf72 + D* --> 174Yb70 + 6Li3 + 3.554 MeV [-11.136 MeV] (A_Hf:718)
178Hf72 + D* --> 176Lu71 + 4He2 + 11.654 MeV [-3.036 MeV] (A_Hf:719)
178Hf72 + D* --> 179Hf72 + 1H1 + 3.874 MeV [-10.816 MeV] (A_Hf:720)
178Hf72 + D* --> 180Ta73 + 9.628 MeV [-5.063 MeV] (A_Hf:721)

178Hf72 + 2 D* --> 134Xe54 + 48Ca20 + 106.166 MeV [76.487 MeV] (A_Hf:722)
178Hf72 + 2 D* --> 136Xe54 + 46Ca20 + 103.387 MeV [73.708 MeV] (A_Hf:723)
178Hf72 + 2 D* --> 160Gd64 + 22Ne10 + 49.801 MeV [20.122 MeV] (A_Hf:724)
178Hf72 + 2 D* --> 164Dy66 + 18O8 + 40.582 MeV [10.903 MeV] (A_Hf:725)
178Hf72 + 2 D* --> 170Er68 + 12C6 + 33.942 MeV [4.263 MeV] (A_Hf:726)
178Hf72 + 2 D* --> 173Yb70 + 9Be4 + 20.036 MeV [-9.643 MeV] (A_Hf:727)
178Hf72 + 2 D* --> 175Lu71 + 7Li3 + 14.090 MeV [-15.589 MeV] (A_Hf:728)
178Hf72 + 2 D* --> 176Lu71 + 6Li3 + 13.128 MeV [-16.551 MeV] (A_Hf:729)
178Hf72 + 2 D* --> 178Hf72 + 4He2 + 23.847 MeV [-5.832 MeV] (A_Hf:730)
178Hf72 + 2 D* --> 179Hf72 + 3He2 + 9.368 MeV [-20.311 MeV] (A_Hf:731)
178Hf72 + 2 D* --> 180Ta73 + 2H1 + 9.628 MeV [-20.051 MeV] (A_Hf:732)
178Hf72 + 2 D* --> 181Ta73 + 1H1 + 14.980 MeV [-14.699 MeV] (A_Hf:733)
178Hf72 + 2 D* --> 182W74 + 22.075 MeV [-7.604 MeV] (A_Hf:734)

178Hf72 + 3 D* --> 170Er68 + 14N7 + 44.214 MeV [-0.750 MeV] (A_Hf:735)
178Hf72 + 3 D* --> 173Yb70 + 11B5 + 35.851 MeV [-9.113 MeV] (A_Hf:736)
178Hf72 + 3 D* --> 174Yb70 + 10B5 + 31.862 MeV [-13.102 MeV] (A_Hf:737)
178Hf72 + 3 D* --> 175Lu71 + 9Be4 + 30.786 MeV [-14.178 MeV] (A_Hf:738)
178Hf72 + 3 D* --> 177Hf72 + 7Li3 + 24.944 MeV [-20.020 MeV] (A_Hf:739)
178Hf72 + 3 D* --> 178Hf72 + 6Li3 + 25.320 MeV [-19.644 MeV] (A_Hf:740)

178Hf72 + 3 D* --> 180Ta73 + 4He2 + 33.474 MeV [-11.490 MeV] (A_Hf:741)
178Hf72 + 3 D* --> 181Ta73 + 3He2 + 20.473 MeV [-24.491 MeV] (A_Hf:742)
178Hf72 + 3 D* --> 182W74 + 2H1 + 22.075 MeV [-22.889 MeV] (A_Hf:743)
178Hf72 + 3 D* --> 183W74 + 1H1 + 26.041 MeV [-18.923 MeV] (A_Hf:744)

178Hf72 + 4 D* --> 136Xe54 + 50Ti22 + 137.950 MeV [77.407 MeV] (A_Hf:745)
178Hf72 + 4 D* --> 138Ba56 + 48Ca20 + 132.574 MeV [72.031 MeV] (A_Hf:746)
178Hf72 + 4 D* --> 150Nd60 + 36S16 + 104.452 MeV [43.909 MeV] (A_Hf:747)
178Hf72 + 4 D* --> 160Gd64 + 26Mg12 + 84.262 MeV [23.718 MeV] (A_Hf:748)
178Hf72 + 4 D* --> 164Dy66 + 22Ne10 + 74.097 MeV [13.553 MeV] (A_Hf:749)
178Hf72 + 4 D* --> 168Er68 + 18O8 + 63.877 MeV [3.333 MeV] (A_Hf:750)
178Hf72 + 4 D* --> 170Er68 + 16O8 + 64.950 MeV [4.406 MeV] (A_Hf:751)
178Hf72 + 4 D* --> 173Yb70 + 13C6 + 54.530 MeV [-6.014 MeV] (A_Hf:752)
178Hf72 + 4 D* --> 174Yb70 + 12C6 + 57.048 MeV [-3.496 MeV] (A_Hf:753)
178Hf72 + 4 D* --> 175Lu71 + 11B5 + 46.601 MeV [-13.942 MeV] (A_Hf:754)
178Hf72 + 4 D* --> 176Lu71 + 10B5 + 41.435 MeV [-19.109 MeV] (A_Hf:755)
178Hf72 + 4 D* --> 177Hf72 + 9Be4 + 41.641 MeV [-18.903 MeV] (A_Hf:756)
178Hf72 + 4 D* --> 180Ta73 + 6Li3 + 34.948 MeV [-25.596 MeV] (A_Hf:757)
178Hf72 + 4 D* --> 182W74 + 4He2 + 45.921 MeV [-14.623 MeV] (A_Hf:758)
178Hf72 + 4 D* --> 183W74 + 3He2 + 31.534 MeV [-29.009 MeV] (A_Hf:759)
178Hf72 + 4 D* --> 185Re75 + 1H1 + 36.632 MeV [-23.912 MeV] (A_Hf:760)
178Hf72 + 4 D* --> 186Os76 + 43.098 MeV [-17.446 MeV] (A_Hf:761)

178Hf72 + 5 D* --> 173Yb70 + 15N7 + 70.689 MeV [-5.727 MeV] (A_Hf:762)
178Hf72 + 5 D* --> 174Yb70 + 14N7 + 67.321 MeV [-9.095 MeV] (A_Hf:763)
178Hf72 + 5 D* --> 175Lu71 + 13C6 + 65.280 MeV [-11.136 MeV] (A_Hf:764)
178Hf72 + 5 D* --> 176Lu71 + 12C6 + 66.622 MeV [-9.794 MeV] (A_Hf:765)
178Hf72 + 5 D* --> 177Hf72 + 11B5 + 57.456 MeV [-18.960 MeV] (A_Hf:766)
178Hf72 + 5 D* --> 178Hf72 + 10B5 + 53.628 MeV [-22.788 MeV] (A_Hf:767)
178Hf72 + 5 D* --> 182W74 + 6Li3 + 47.395 MeV [-29.021 MeV] (A_Hf:768)
178Hf72 + 5 D* --> 185Re75 + 3He2 + 42.125 MeV [-34.291 MeV] (A_Hf:769)
178Hf72 + 5 D* --> 186Os76 + 2H1 + 43.098 MeV [-33.318 MeV] (A_Hf:770)
178Hf72 + 5 D* --> 187Os76 + 1H1 + 47.164 MeV [-29.252 MeV] (A_Hf:771)

178Hf72 + 6 D* --> 136Xe54 + 54Cr24 + 169.728 MeV [77.149 MeV] (A_Hf:772)
178Hf72 + 6 D* --> 142Ce58 + 48Ca20 + 155.123 MeV [62.544 MeV] (A_Hf:773)
178Hf72 + 6 D* --> 150Nd60 + 40Ar18 + 135.100 MeV [42.521 MeV] (A_Hf:774)
178Hf72 + 6 D* --> 154Sm62 + 36S16 + 129.496 MeV [36.917 MeV] (A_Hf:775)
178Hf72 + 6 D* --> 160Gd64 + 30Si14 + 118.752 MeV [26.173 MeV] (A_Hf:776)
178Hf72 + 6 D* --> 164Dy66 + 26Mg12 + 108.558 MeV [15.979 MeV] (A_Hf:777)
178Hf72 + 6 D* --> 168Er68 + 22Ne10 + 97.392 MeV [4.813 MeV] (A_Hf:778)
178Hf72 + 6 D* --> 170Er68 + 20Ne10 + 93.527 MeV [00.948 MeV] (A_Hf:779)
178Hf72 + 6 D* --> 172Yb70 + 18O8 + 86.412 MeV [-6.167 MeV] (A_Hf:780)
178Hf72 + 6 D* --> 173Yb70 + 17O8 + 84.735 MeV [-7.843 MeV] (A_Hf:781)
178Hf72 + 6 D* --> 174Yb70 + 16O8 + 88.057 MeV [-4.522 MeV] (A_Hf:782)
178Hf72 + 6 D* --> 175Lu71 + 15N7 + 81.439 MeV [-11.139 MeV] (A_Hf:783)
178Hf72 + 6 D* --> 176Lu71 + 14N7 + 76.894 MeV [-15.684 MeV] (A_Hf:784)
178Hf72 + 6 D* --> 177Hf72 + 13C6 + 76.135 MeV [-16.444 MeV] (A_Hf:785)
178Hf72 + 6 D* --> 178Hf72 + 12C6 + 78.814 MeV [-13.764 MeV] (A_Hf:786)
178Hf72 + 6 D* --> 180Ta73 + 10B5 + 63.256 MeV [-29.323 MeV] (A_Hf:787)
178Hf72 + 6 D* --> 186Os76 + 4He2 + 66.945 MeV [-25.634 MeV] (A_Hf:788)
178Hf72 + 6 D* --> 187Os76 + 3He2 + 52.657 MeV [-39.921 MeV] (A_Hf:789)
178Hf72 + 6 D* --> 190Pt78 + 63.693 MeV [-28.885 MeV] (A_Hf:790)

178Hf72 + 7 D* --> 173Yb70 + 19F9 + 98.549 MeV [-10.480 MeV] (A_Hf:791)
178Hf72 + 7 D* --> 175Lu71 + 17O8 + 95.485 MeV [-13.544 MeV] (A_Hf:792)
178Hf72 + 7 D* --> 176Lu71 + 16O8 + 97.630 MeV [-11.400 MeV] (A_Hf:793)
178Hf72 + 7 D* --> 177Hf72 + 15N7 + 92.294 MeV [-16.736 MeV] (A_Hf:794)
178Hf72 + 7 D* --> 178Hf72 + 14N7 + 89.087 MeV [-19.943 MeV] (A_Hf:795)
178Hf72 + 7 D* --> 180Ta73 + 12C6 + 88.442 MeV [-20.588 MeV] (A_Hf:796)
178Hf72 + 7 D* --> 182W74 + 10B5 + 75.703 MeV [-33.327 MeV] (A_Hf:797)
178Hf72 + 7 D* --> 186Os76 + 6Li3 + 68.418 MeV [-40.611 MeV] (A_Hf:798)
178Hf72 + 7 D* --> 190Pt78 + 2H1 + 63.693 MeV [-45.336 MeV] (A_Hf:799)

178Hf72 + 8 D* --> 124Sn50 + 70Zn30 + 210.443 MeV [84.675 MeV] (A_Hf:800)
178Hf72 + 8 D* --> 130Te52 + 64Ni28 + 207.092 MeV [81.325 MeV] (A_Hf:801)
178Hf72 + 8 D* --> 136Xe54 + 58Fe26 + 201.220 MeV [75.452 MeV] (A_Hf:802)
178Hf72 + 8 D* --> 146Nd60 + 48Ca20 + 177.787 MeV [52.019 MeV] (A_Hf:803)
178Hf72 + 8 D* --> 148Nd60 + 46Ca20 + 173.190 MeV [47.422 MeV] (A_Hf:804)
178Hf72 + 8 D* --> 150Nd60 + 44Ca20 + 167.800 MeV [42.032 MeV] (A_Hf:805)
178Hf72 + 8 D* --> 154Sm62 + 40Ar18 + 160.143 MeV [34.375 MeV] (A_Hf:806)
178Hf72 + 8 D* --> 158Gd64 + 36S16 + 154.002 MeV [28.235 MeV] (A_Hf:807)
178Hf72 + 8 D* --> 160Gd64 + 34S16 + 150.522 MeV [24.754 MeV] (A_Hf:808)
178Hf72 + 8 D* --> 164Dy66 + 30Si14 + 143.048 MeV [17.280 MeV] (A_Hf:809)
178Hf72 + 8 D* --> 168Er68 + 26Mg12 + 131.853 MeV [6.085 MeV] (A_Hf:810)
178Hf72 + 8 D* --> 170Er68 + 24Mg12 + 126.690 MeV [00.922 MeV] (A_Hf:811)
178Hf72 + 8 D* --> 172Yb70 + 22Ne10 + 119.927 MeV [-5.841 MeV] (A_Hf:812)
178Hf72 + 8 D* --> 173Yb70 + 21Ne10 + 115.930 MeV [-9.838 MeV] (A_Hf:813)
178Hf72 + 8 D* --> 174Yb70 + 20Ne10 + 116.633 MeV [-9.135 MeV] (A_Hf:814)
178Hf72 + 8 D* --> 175Lu71 + 19F9 + 109.300 MeV [-16.468 MeV] (A_Hf:815)
178Hf72 + 8 D* --> 176Hf72 + 18O8 + 108.001 MeV [-17.767 MeV] (A_Hf:816)
178Hf72 + 8 D* --> 177Hf72 + 17O8 + 106.340 MeV [-19.428 MeV] (A_Hf:817)
178Hf72 + 8 D* --> 178Hf72 + 16O8 + 109.823 MeV [-15.945 MeV] (A_Hf:818)
178Hf72 + 8 D* --> 180Ta73 + 14N7 + 98.714 MeV [-27.053 MeV] (A_Hf:819)
178Hf72 + 8 D* --> 182W74 + 12C6 + 100.889 MeV [-24.879 MeV] (A_Hf:820)
178Hf72 + 8 D* --> 190Pt78 + 4He2 + 87.540 MeV [-38.228 MeV] (A_Hf:821)

178Hf72 + 9 D* --> 173Yb70 + 23Na11 + 132.863 MeV [-9.927 MeV] (A_Hf:822)
178Hf72 + 9 D* --> 175Lu71 + 21Ne10 + 126.680 MeV [-16.111 MeV] (A_Hf:823)
178Hf72 + 9 D* --> 176Lu71 + 20Ne10 + 126.207 MeV [-16.584 MeV] (A_Hf:824)
178Hf72 + 9 D* --> 177Hf72 + 19F9 + 120.154 MeV [-22.636 MeV] (A_Hf:825)
178Hf72 + 9 D* --> 180Ta73 + 16O8 + 119.450 MeV [-23.340 MeV] (A_Hf:826)
178Hf72 + 9 D* --> 182W74 + 14N7 + 111.161 MeV [-31.629 MeV] (A_Hf:827)
178Hf72 + 9 D* --> 186Os76 + 10B5 + 96.726 MeV [-46.065 MeV] (A_Hf:828)
178Hf72 + 9 D* --> 190Pt78 + 6Li3 + 89.014 MeV [-53.777 MeV] (A_Hf:829)

178Hf72 + 10 D* --> 116Cd48 + 82Se34 + 245.226 MeV [85.130 MeV] (A_Hf:830)
178Hf72 + 10 D* --> 122Sn50 + 76Ge32 + 242.072 MeV [81.975 MeV] (A_Hf:831)
178Hf72 + 10 D* --> 124Sn50 + 74Ge32 + 240.572 MeV [80.475 MeV] (A_Hf:832)
178Hf72 + 10 D* --> 128Te52 + 70Zn30 + 237.470 MeV [77.373 MeV] (A_Hf:833)
178Hf72 + 10 D* --> 130Te52 + 68Zn30 + 236.272 MeV [76.175 MeV] (A_Hf:834)
178Hf72 + 10 D* --> 134Xe54 + 64Ni28 + 234.137 MeV [74.040 MeV] (A_Hf:835)
178Hf72 + 10 D* --> 136Xe54 + 62Ni28 + 232.084 MeV [71.987 MeV] (A_Hf:836)
178Hf72 + 10 D* --> 148Nd60 + 50Ti22 + 207.753 MeV [47.656 MeV] (A_Hf:837)
178Hf72 + 10 D* --> 150Nd60 + 48Ti22 + 201.090 MeV [40.994 MeV] (A_Hf:838)
178Hf72 + 10 D* --> 150Sm62 + 48Ca20 + 200.184 MeV [40.088 MeV] (A_Hf:839)
178Hf72 + 10 D* --> 152Sm62 + 46Ca20 + 196.817 MeV [36.720 MeV] (A_Hf:840)
178Hf72 + 10 D* --> 154Sm62 + 44Ca20 + 192.843 MeV [32.746 MeV] (A_Hf:841)

178Hf72 + 10 D* --> 158Gd64 + 40Ar18 + 184.650 MeV [24.553 MeV] (A_Hf:842)
178Hf72 + 10 D* --> 160Gd64 + 38Ar18 + 181.576 MeV [21.479 MeV] (A_Hf:843)
178Hf72 + 10 D* --> 162Dy66 + 36S16 + 177.764 MeV [17.667 MeV] (A_Hf:844)
178Hf72 + 10 D* --> 164Dy66 + 34S16 + 174.818 MeV [14.721 MeV] (A_Hf:845)
178Hf72 + 10 D* --> 168Er68 + 30Si14 + 166.343 MeV [6.246 MeV] (A_Hf:846)
178Hf72 + 10 D* --> 170Er68 + 28Si14 + 160.520 MeV [00.424 MeV] (A_Hf:847)
178Hf72 + 10 D* --> 172Yb70 + 26Mg12 + 154.388 MeV [-5.709 MeV] (A_Hf:848)
178Hf72 + 10 D* --> 173Yb70 + 25Mg12 + 149.662 MeV [-10.435 MeV] (A_Hf:849)
178Hf72 + 10 D* --> 174Yb70 + 24Mg12 + 149.796 MeV [-10.301 MeV] (A_Hf:850)
178Hf72 + 10 D* --> 175Lu71 + 23Na11 + 143.614 MeV [-16.483 MeV] (A_Hf:851)
178Hf72 + 10 D* --> 176Hf72 + 22Ne10 + 141.515 MeV [-18.582 MeV] (A_Hf:852)
178Hf72 + 10 D* --> 177Hf72 + 21Ne10 + 137.534 MeV [-22.562 MeV] (A_Hf:853)
178Hf72 + 10 D* --> 178Hf72 + 20Ne10 + 138.399 MeV [-21.698 MeV] (A_Hf:854)
178Hf72 + 10 D* --> 180W74 + 18O8 + 129.339 MeV [-30.758 MeV] (A_Hf:855)
178Hf72 + 10 D* --> 182W74 + 16O8 + 131.897 MeV [-28.199 MeV] (A_Hf:856)
178Hf72 + 10 D* --> 186Os76 + 12C6 + 121.912 MeV [-38.184 MeV] (A_Hf:857)

178Hf72 + 11 D* --> 150Nd60 + 50V23 + 214.960 MeV [37.276 MeV] (A_Hf:858)
178Hf72 + 11 D* --> 160Gd64 + 40K19 + 193.533 MeV [15.848 MeV] (A_Hf:859)
178Hf72 + 11 D* --> 163Dy66 + 37Cl17 + 190.197 MeV [12.512 MeV] (A_Hf:860)
178Hf72 + 11 D* --> 173Yb70 + 27Al13 + 166.802 MeV [-10.883 MeV] (A_Hf:861)
178Hf72 + 11 D* --> 175Lu71 + 25Mg12 + 160.412 MeV [-17.272 MeV] (A_Hf:862)
178Hf72 + 11 D* --> 176Lu71 + 24Mg12 + 159.370 MeV [-18.315 MeV] (A_Hf:863)
178Hf72 + 11 D* --> 177Hf72 + 23Na11 + 154.468 MeV [-23.216 MeV] (A_Hf:864)
178Hf72 + 11 D* --> 180Ta73 + 20Ne10 + 148.027 MeV [-29.657 MeV] (A_Hf:865)
178Hf72 + 11 D* --> 186Os76 + 14N7 + 132.185 MeV [-45.500 MeV] (A_Hf:866)
178Hf72 + 11 D* --> 190Pt78 + 10B5 + 117.321 MeV [-60.363 MeV] (A_Hf:867)

178Hf72 + 12 D* --> 116Cd48 + 86Kr36 + 277.169 MeV [81.618 MeV] (A_Hf:868)
178Hf72 + 12 D* --> 120Sn50 + 82Se34 + 273.883 MeV [78.332 MeV] (A_Hf:869)
178Hf72 + 12 D* --> 122Sn50 + 80Se34 + 272.890 MeV [77.339 MeV] (A_Hf:870)
178Hf72 + 12 D* --> 124Sn50 + 78Se34 + 270.447 MeV [74.896 MeV] (A_Hf:871)
178Hf72 + 12 D* --> 126Te52 + 76Ge32 + 268.462 MeV [72.910 MeV] (A_Hf:872)
178Hf72 + 12 D* --> 128Te52 + 74Ge32 + 267.599 MeV [72.047 MeV] (A_Hf:873)
178Hf72 + 12 D* --> 130Te52 + 72Ge32 + 265.122 MeV [69.570 MeV] (A_Hf:874)
178Hf72 + 12 D* --> 132Xe54 + 70Zn30 + 264.030 MeV [68.478 MeV] (A_Hf:875)
178Hf72 + 12 D* --> 134Xe54 + 68Zn30 + 263.316 MeV [67.765 MeV] (A_Hf:876)
178Hf72 + 12 D* --> 136Xe54 + 66Zn30 + 260.509 MeV [64.957 MeV] (A_Hf:877)
178Hf72 + 12 D* --> 138Ba56 + 64Ni28 + 260.545 MeV [64.994 MeV] (A_Hf:878)
178Hf72 + 12 D* --> 148Nd60 + 54Cr24 + 239.530 MeV [43.979 MeV] (A_Hf:879)
178Hf72 + 12 D* --> 150Nd60 + 52Cr24 + 234.291 MeV [38.739 MeV] (A_Hf:880)
178Hf72 + 12 D* --> 152Sm62 + 50Ti22 + 231.380 MeV [35.828 MeV] (A_Hf:881)
178Hf72 + 12 D* --> 154Sm62 + 48Ti22 + 226.134 MeV [30.582 MeV] (A_Hf:882)
178Hf72 + 12 D* --> 154Gd64 + 48Ca20 + 223.112 MeV [27.560 MeV] (A_Hf:883)
178Hf72 + 12 D* --> 156Gd64 + 46Ca20 + 220.862 MeV [25.310 MeV] (A_Hf:884)
178Hf72 + 12 D* --> 158Gd64 + 44Ca20 + 217.350 MeV [21.798 MeV] (A_Hf:885)
178Hf72 + 12 D* --> 160Gd64 + 42Ca20 + 211.680 MeV [16.129 MeV] (A_Hf:886)
178Hf72 + 12 D* --> 162Dy66 + 40Ar18 + 208.411 MeV [12.860 MeV] (A_Hf:887)
178Hf72 + 12 D* --> 164Dy66 + 38Ar18 + 205.872 MeV [10.321 MeV] (A_Hf:888)
178Hf72 + 12 D* --> 165Ho67 + 37Cl17 + 201.851 MeV [6.299 MeV] (A_Hf:889)
178Hf72 + 12 D* --> 166Er68 + 36S16 + 200.780 MeV [5.228 MeV] (A_Hf:890)
178Hf72 + 12 D* --> 168Er68 + 34S16 + 198.113 MeV [2.561 MeV] (A_Hf:891)
178Hf72 + 12 D* --> 170Er68 + 32S16 + 191.315 MeV [-4.237 MeV] (A_Hf:892)
178Hf72 + 12 D* --> 172Yb70 + 30Si14 + 188.878 MeV [-6.674 MeV] (A_Hf:893)

178Hf72 + 12 D* --> 173Yb70 + 29Si14 + 184.636 MeV [-10.916 MeV] (A_Hf:894)
178Hf72 + 12 D* --> 174Yb70 + 28Si14 + 183.627 MeV [-11.925 MeV] (A_Hf:895)
178Hf72 + 12 D* --> 175Lu71 + 27Al13 + 177.552 MeV [-18.000 MeV] (A_Hf:896)
178Hf72 + 12 D* --> 176Hf72 + 26Mg12 + 175.976 MeV [-19.575 MeV] (A_Hf:897)
178Hf72 + 12 D* --> 177Hf72 + 25Mg12 + 171.267 MeV [-24.285 MeV] (A_Hf:898)
178Hf72 + 12 D* --> 178Hf72 + 24Mg12 + 171.562 MeV [-23.989 MeV] (A_Hf:899)
178Hf72 + 12 D* --> 180W74 + 22Ne10 + 162.854 MeV [-32.698 MeV] (A_Hf:900)
178Hf72 + 12 D* --> 182W74 + 20Ne10 + 160.474 MeV [-35.078 MeV] (A_Hf:901)
178Hf72 + 12 D* --> 184Os76 + 18O8 + 150.222 MeV [-45.330 MeV] (A_Hf:902)
178Hf72 + 12 D* --> 186Os76 + 16O8 + 152.921 MeV [-42.631 MeV] (A_Hf:903)
178Hf72 + 12 D* --> 190Pt78 + 12C6 + 142.508 MeV [-53.044 MeV] (A_Hf:904)

179Hf72 + D* --> 170Er68 + 11B5 + 14.110 MeV [-0.553 MeV] (A_Hf:905)
179Hf72 + D* --> 174Yb70 + 7Li3 + 4.705 MeV [-9.958 MeV] (A_Hf:906)
179Hf72 + D* --> 180Hf72 + 1H1 + 5.163 MeV [-9.500 MeV] (A_Hf:907)
179Hf72 + D* --> 181Ta73 + 11.105 MeV [-3.558 MeV] (A_Hf:908)

179Hf72 + 2 D* --> 170Er68 + 13C6 + 32.789 MeV [3.164 MeV] (A_Hf:909)
179Hf72 + 2 D* --> 174Yb70 + 9Be4 + 21.401 MeV [-8.223 MeV] (A_Hf:910)
179Hf72 + 2 D* --> 176Lu71 + 7Li3 + 14.279 MeV [-15.346 MeV] (A_Hf:911)
179Hf72 + 2 D* --> 179Hf72 + 4He2 + 23.847 MeV [-5.778 MeV] (A_Hf:912)
179Hf72 + 2 D* --> 180Hf72 + 3He2 + 10.657 MeV [-18.968 MeV] (A_Hf:913)
179Hf72 + 2 D* --> 181Ta73 + 2H1 + 11.105 MeV [-18.519 MeV] (A_Hf:914)
179Hf72 + 2 D* --> 183W74 + 22.167 MeV [-7.458 MeV] (A_Hf:915)

179Hf72 + 3 D* --> 170Er68 + 15N7 + 48.948 MeV [4.065 MeV] (A_Hf:916)
179Hf72 + 3 D* --> 174Yb70 + 11B5 + 37.217 MeV [-7.666 MeV] (A_Hf:917)
179Hf72 + 3 D* --> 176Lu71 + 9Be4 + 30.975 MeV [-13.908 MeV] (A_Hf:918)
179Hf72 + 3 D* --> 178Hf72 + 7Li3 + 26.471 MeV [-18.412 MeV] (A_Hf:919)
179Hf72 + 3 D* --> 179Hf72 + 6Li3 + 25.320 MeV [-19.563 MeV] (A_Hf:920)
179Hf72 + 3 D* --> 181Ta73 + 4He2 + 34.952 MeV [-9.931 MeV] (A_Hf:921)
179Hf72 + 3 D* --> 183W74 + 2H1 + 22.167 MeV [-22.716 MeV] (A_Hf:922)
179Hf72 + 3 D* --> 184W74 + 1H1 + 27.354 MeV [-17.529 MeV] (A_Hf:923)
179Hf72 + 3 D* --> 185Re75 + 32.757 MeV [-12.126 MeV] (A_Hf:924)

179Hf72 + 4 D* --> 170Er68 + 17O8 + 62.994 MeV [2.559 MeV] (A_Hf:925)
179Hf72 + 4 D* --> 174Yb70 + 13C6 + 55.896 MeV [-4.540 MeV] (A_Hf:926)
179Hf72 + 4 D* --> 176Lu71 + 11B5 + 46.790 MeV [-13.645 MeV] (A_Hf:927)
179Hf72 + 4 D* --> 178Hf72 + 9Be4 + 43.168 MeV [-17.268 MeV] (A_Hf:928)
179Hf72 + 4 D* --> 180Ta73 + 7Li3 + 36.099 MeV [-24.337 MeV] (A_Hf:929)
179Hf72 + 4 D* --> 181Ta73 + 6Li3 + 36.426 MeV [-24.010 MeV] (A_Hf:930)
179Hf72 + 4 D* --> 183W74 + 4He2 + 46.013 MeV [-14.423 MeV] (A_Hf:931)
179Hf72 + 4 D* --> 184W74 + 3He2 + 32.847 MeV [-27.589 MeV] (A_Hf:932)
179Hf72 + 4 D* --> 185Re75 + 2H1 + 32.757 MeV [-27.678 MeV] (A_Hf:933)
179Hf72 + 4 D* --> 187Os76 + 43.289 MeV [-17.147 MeV] (A_Hf:934)

179Hf72 + 5 D* --> 170Er68 + 19F9 + 76.809 MeV [00.528 MeV] (A_Hf:935)
179Hf72 + 5 D* --> 174Yb70 + 15N7 + 72.055 MeV [-4.226 MeV] (A_Hf:936)
179Hf72 + 5 D* --> 176Lu71 + 13C6 + 65.469 MeV [-10.812 MeV] (A_Hf:937)
179Hf72 + 5 D* --> 178Hf72 + 11B5 + 58.983 MeV [-17.298 MeV] (A_Hf:938)
179Hf72 + 5 D* --> 179Hf72 + 10B5 + 53.628 MeV [-22.653 MeV] (A_Hf:939)
179Hf72 + 5 D* --> 180Ta73 + 9Be4 + 52.795 MeV [-23.486 MeV] (A_Hf:940)
179Hf72 + 5 D* --> 182W74 + 7Li3 + 48.546 MeV [-27.735 MeV] (A_Hf:941)
179Hf72 + 5 D* --> 183W74 + 6Li3 + 47.487 MeV [-28.794 MeV] (A_Hf:942)

179Hf72 + 5 D* --> 185Re75 + 4He2 + 56.604 MeV [-19.677 MeV] (A_Hf:943)
179Hf72 + 5 D* --> 187Os76 + 2H1 + 43.289 MeV [-32.992 MeV] (A_Hf:944)
179Hf72 + 5 D* --> 188Os76 + 1H1 + 49.054 MeV [-27.227 MeV] (A_Hf:945)

179Hf72 + 6 D* --> 170Er68 + 21Ne10 + 94.189 MeV [1.772 MeV] (A_Hf:946)
179Hf72 + 6 D* --> 173Yb70 + 18O8 + 86.680 MeV [-5.736 MeV] (A_Hf:947)
179Hf72 + 6 D* --> 174Yb70 + 17O8 + 86.101 MeV [-6.316 MeV] (A_Hf:948)
179Hf72 + 6 D* --> 176Lu71 + 15N7 + 81.628 MeV [-10.788 MeV] (A_Hf:949)
179Hf72 + 6 D* --> 178Hf72 + 13C6 + 77.662 MeV [-14.755 MeV] (A_Hf:950)
179Hf72 + 6 D* --> 179Hf72 + 12C6 + 78.814 MeV [-13.602 MeV] (A_Hf:951)
179Hf72 + 6 D* --> 180Ta73 + 11B5 + 68.611 MeV [-23.806 MeV] (A_Hf:952)
179Hf72 + 6 D* --> 181Ta73 + 10B5 + 64.733 MeV [-27.683 MeV] (A_Hf:953)
179Hf72 + 6 D* --> 182W74 + 9Be4 + 65.242 MeV [-27.174 MeV] (A_Hf:954)
179Hf72 + 6 D* --> 185Re75 + 6Li3 + 58.078 MeV [-34.339 MeV] (A_Hf:955)
179Hf72 + 6 D* --> 187Os76 + 4He2 + 67.136 MeV [-25.281 MeV] (A_Hf:956)
179Hf72 + 6 D* --> 188Os76 + 3He2 + 54.548 MeV [-37.869 MeV] (A_Hf:957)

179Hf72 + 7 D* --> 170Er68 + 23Na11 + 111.123 MeV [2.282 MeV] (A_Hf:958)
179Hf72 + 7 D* --> 174Yb70 + 19F9 + 99.915 MeV [-8.926 MeV] (A_Hf:959)
179Hf72 + 7 D* --> 175Lu71 + 18O8 + 97.430 MeV [-11.411 MeV] (A_Hf:960)
179Hf72 + 7 D* --> 176Lu71 + 17O8 + 95.674 MeV [-13.167 MeV] (A_Hf:961)
179Hf72 + 7 D* --> 178Hf72 + 15N7 + 93.821 MeV [-15.020 MeV] (A_Hf:962)
179Hf72 + 7 D* --> 179Hf72 + 14N7 + 89.087 MeV [-19.754 MeV] (A_Hf:963)
179Hf72 + 7 D* --> 180Ta73 + 13C6 + 87.289 MeV [-21.552 MeV] (A_Hf:964)
179Hf72 + 7 D* --> 181Ta73 + 12C6 + 89.920 MeV [-18.921 MeV] (A_Hf:965)
179Hf72 + 7 D* --> 182W74 + 11B5 + 81.058 MeV [-27.783 MeV] (A_Hf:966)
179Hf72 + 7 D* --> 183W74 + 10B5 + 75.794 MeV [-33.047 MeV] (A_Hf:967)
179Hf72 + 7 D* --> 186Os76 + 7Li3 + 69.569 MeV [-39.272 MeV] (A_Hf:968)
179Hf72 + 7 D* --> 187Os76 + 6Li3 + 68.610 MeV [-40.232 MeV] (A_Hf:969)
179Hf72 + 7 D* --> 192Pt78 + 1H1 + 70.482 MeV [-38.359 MeV] (A_Hf:970)

179Hf72 + 8 D* --> 170Er68 + 25Mg12 + 127.921 MeV [2.369 MeV] (A_Hf:971)
179Hf72 + 8 D* --> 173Yb70 + 22Ne10 + 120.195 MeV [-5.357 MeV] (A_Hf:972)
179Hf72 + 8 D* --> 174Yb70 + 21Ne10 + 117.295 MeV [-8.257 MeV] (A_Hf:973)
179Hf72 + 8 D* --> 176Lu71 + 19F9 + 109.489 MeV [-16.064 MeV] (A_Hf:974)
179Hf72 + 8 D* --> 177Hf72 + 18O8 + 108.285 MeV [-17.267 MeV] (A_Hf:975)
179Hf72 + 8 D* --> 178Hf72 + 17O8 + 107.867 MeV [-17.685 MeV] (A_Hf:976)
179Hf72 + 8 D* --> 179Hf72 + 16O8 + 109.823 MeV [-15.730 MeV] (A_Hf:977)
179Hf72 + 8 D* --> 180Ta73 + 15N7 + 103.449 MeV [-22.104 MeV] (A_Hf:978)
179Hf72 + 8 D* --> 181Ta73 + 14N7 + 100.192 MeV [-25.360 MeV] (A_Hf:979)
179Hf72 + 8 D* --> 182W74 + 13C6 + 99.736 MeV [-25.816 MeV] (A_Hf:980)
179Hf72 + 8 D* --> 183W74 + 12C6 + 100.981 MeV [-24.571 MeV] (A_Hf:981)
179Hf72 + 8 D* --> 185Re75 + 10B5 + 86.385 MeV [-39.167 MeV] (A_Hf:982)
179Hf72 + 8 D* --> 186Os76 + 9Be4 + 86.266 MeV [-39.287 MeV] (A_Hf:983)
179Hf72 + 8 D* --> 192Pt78 + 3He2 + 75.975 MeV [-49.577 MeV] (A_Hf:984)

179Hf72 + 9 D* --> 160Gd64 + 37Cl17 + 167.460 MeV [24.911 MeV] (A_Hf:985)
179Hf72 + 9 D* --> 170Er68 + 27Al13 + 145.061 MeV [2.512 MeV] (A_Hf:986)
179Hf72 + 9 D* --> 174Yb70 + 23Na11 + 134.229 MeV [-8.320 MeV] (A_Hf:987)
179Hf72 + 9 D* --> 175Lu71 + 22Ne10 + 130.945 MeV [-11.604 MeV] (A_Hf:988)
179Hf72 + 9 D* --> 176Lu71 + 21Ne10 + 126.869 MeV [-15.680 MeV] (A_Hf:989)
179Hf72 + 9 D* --> 178Hf72 + 19F9 + 121.681 MeV [-20.867 MeV] (A_Hf:990)
179Hf72 + 9 D* --> 180Ta73 + 17O8 + 117.495 MeV [-25.054 MeV] (A_Hf:991)
179Hf72 + 9 D* --> 181Ta73 + 16O8 + 120.928 MeV [-21.620 MeV] (A_Hf:992)

179Hf72 + 9 D* --> 182W74 + 15N7 + 115.896 MeV [-26.653 MeV] (A_Hf:993)
179Hf72 + 9 D* --> 183W74 + 14N7 + 111.253 MeV [-31.295 MeV] (A_Hf:994)
179Hf72 + 9 D* --> 185Re75 + 12C6 + 111.572 MeV [-30.977 MeV] (A_Hf:995)
179Hf72 + 9 D* --> 186Os76 + 11B5 + 102.081 MeV [-40.467 MeV] (A_Hf:996)
179Hf72 + 9 D* --> 187Os76 + 10B5 + 96.917 MeV [-45.632 MeV] (A_Hf:997)
179Hf72 + 9 D* --> 190Pt78 + 7Li3 + 90.165 MeV [-52.384 MeV] (A_Hf:998)
179Hf72 + 9 D* --> 196Hg80 + 1H1 + 92.287 MeV [-50.261 MeV] (A_Hf:999)

179Hf72 + 10 D* --> 150Nd60 + 49Ti22 + 203.134 MeV [43.306 MeV]
(A_Hf:1000)
179Hf72 + 10 D* --> 163Dy66 + 36S16 + 177.936 MeV [18.108 MeV]
(A_Hf:1001)
179Hf72 + 10 D* --> 170Er68 + 29Si14 + 162.895 MeV [3.067 MeV]
(A_Hf:1002)
179Hf72 + 10 D* --> 173Yb70 + 26Mg12 + 154.656 MeV [-5.172 MeV]
(A_Hf:1003)
179Hf72 + 10 D* --> 174Yb70 + 25Mg12 + 151.028 MeV [-8.800 MeV]
(A_Hf:1004)
179Hf72 + 10 D* --> 176Lu71 + 23Na11 + 143.802 MeV [-16.026 MeV]
(A_Hf:1005)
179Hf72 + 10 D* --> 177Hf72 + 22Ne10 + 141.800 MeV [-18.028 MeV]
(A_Hf:1006)
179Hf72 + 10 D* --> 178Hf72 + 21Ne10 + 139.061 MeV [-20.767 MeV]
(A_Hf:1007)
179Hf72 + 10 D* --> 179Hf72 + 20Ne10 + 138.399 MeV [-21.429 MeV]
(A_Hf:1008)
179Hf72 + 10 D* --> 180Ta73 + 19F9 + 131.309 MeV [-28.519 MeV]
(A_Hf:1009)
179Hf72 + 10 D* --> 182W74 + 17O8 + 129.942 MeV [-29.886 MeV]
(A_Hf:1010)
179Hf72 + 10 D* --> 183W74 + 16O8 + 131.989 MeV [-27.839 MeV]
(A_Hf:1011)
179Hf72 + 10 D* --> 185Re75 + 14N7 + 121.844 MeV [-37.984 MeV]
(A_Hf:1012)
179Hf72 + 10 D* --> 186Os76 + 13C6 + 120.760 MeV [-39.068 MeV]
(A_Hf:1013)
179Hf72 + 10 D* --> 187Os76 + 12C6 + 122.103 MeV [-37.725 MeV]
(A_Hf:1014)
179Hf72 + 10 D* --> 190Pt78 + 9Be4 + 106.861 MeV [-52.967 MeV]
(A_Hf:1015)
179Hf72 + 10 D* --> 196Hg80 + 3He2 + 97.781 MeV [-62.047 MeV]
(A_Hf:1016)

179Hf72 + 11 D* --> 130Te52 + 71Ga31 + 251.513 MeV [74.124 MeV]
(A_Hf:1017)
179Hf72 + 11 D* --> 136Xe54 + 65Cu29 + 247.710 MeV [70.321 MeV]
(A_Hf:1018)
179Hf72 + 11 D* --> 150Nd60 + 51V23 + 219.912 MeV [42.523 MeV]
(A_Hf:1019)
179Hf72 + 11 D* --> 153Eu63 + 48Ca20 + 211.609 MeV [34.219 MeV]
(A_Hf:1020)
179Hf72 + 11 D* --> 160Gd64 + 41K19 + 197.529 MeV [20.140 MeV]
(A_Hf:1021)
179Hf72 + 11 D* --> 164Dy66 + 37Cl17 + 191.756 MeV [14.367 MeV]

(A_Hf:1022)
179Hf72 + 11 D* --> 165Ho67 + 36S16 + 189.590 MeV [12.201 MeV]
(A_Hf:1023)
179Hf72 + 11 D* --> 170Er68 + 31P15 + 178.576 MeV [1.187 MeV]
(A_Hf:1024)
179Hf72 + 11 D* --> 174Yb70 + 27Al13 + 168.167 MeV [-9.222 MeV]
(A_Hf:1025)
179Hf72 + 11 D* --> 175Lu71 + 26Mg12 + 165.406 MeV [-11.983 MeV]
(A_Hf:1026)
179Hf72 + 11 D* --> 176Lu71 + 25Mg12 + 160.601 MeV [-16.788 MeV]
(A_Hf:1027)
179Hf72 + 11 D* --> 178Hf72 + 23Na11 + 155.995 MeV [-21.394 MeV]
(A_Hf:1028)
179Hf72 + 11 D* --> 180Ta73 + 21Ne10 + 148.689 MeV [-28.700 MeV]
(A_Hf:1029)
179Hf72 + 11 D* --> 181Ta73 + 20Ne10 + 149.505 MeV [-27.885 MeV]
(A_Hf:1030)
179Hf72 + 11 D* --> 182W74 + 19F9 + 143.756 MeV [-33.633 MeV]
(A_Hf:1031)
179Hf72 + 11 D* --> 185Re75 + 16O8 + 142.580 MeV [-34.809 MeV]
(A_Hf:1032)
179Hf72 + 11 D* --> 186Os76 + 15N7 + 136.919 MeV [-40.470 MeV]
(A_Hf:1033)
179Hf72 + 11 D* --> 187Os76 + 14N7 + 132.376 MeV [-45.013 MeV]
(A_Hf:1034)
179Hf72 + 11 D* --> 190Pt78 + 11B5 + 122.676 MeV [-54.713 MeV]
(A_Hf:1035)

179Hf72 + 12 D* --> 130Te52 + 73Ge32 + 265.806 MeV [70.576 MeV]
(A_Hf:1036)
179Hf72 + 12 D* --> 136Xe54 + 67Zn30 + 261.462 MeV [66.232 MeV]
(A_Hf:1037)
179Hf72 + 12 D* --> 150Nd60 + 53Cr24 + 236.131 MeV [40.901 MeV]
(A_Hf:1038)
179Hf72 + 12 D* --> 154Sm62 + 49Ti22 + 228.177 MeV [32.947 MeV]
(A_Hf:1039)
179Hf72 + 12 D* --> 155Gd64 + 48Ca20 + 223.448 MeV [28.218 MeV]
(A_Hf:1040)
179Hf72 + 12 D* --> 157Gd64 + 46Ca20 + 221.122 MeV [25.893 MeV]
(A_Hf:1041)
179Hf72 + 12 D* --> 160Gd64 + 43Ca20 + 213.514 MeV [18.284 MeV]
(A_Hf:1042)
179Hf72 + 12 D* --> 163Dy66 + 40Ar18 + 208.583 MeV [13.353 MeV]
(A_Hf:1043)
179Hf72 + 12 D* --> 167Er68 + 36S16 + 201.118 MeV [5.888 MeV]
(A_Hf:1044)
179Hf72 + 12 D* --> 170Er68 + 33S16 + 193.857 MeV [-1.373 MeV]
(A_Hf:1045)
179Hf72 + 12 D* --> 173Yb70 + 30Si14 + 189.146 MeV [-6.084 MeV]
(A_Hf:1046)
179Hf72 + 12 D* --> 174Yb70 + 29Si14 + 186.001 MeV [-9.229 MeV]
(A_Hf:1047)
179Hf72 + 12 D* --> 176Lu71 + 27Al13 + 177.741 MeV [-17.489 MeV]
(A_Hf:1048)

179Hf72 + 12 D* --> 177Hf72 + 26Mg12 + 176.261 MeV [-18.969 MeV]
(A_Hf:1049)
179Hf72 + 12 D* --> 178Hf72 + 25Mg12 + 172.794 MeV [-22.436 MeV]
(A_Hf:1050)
179Hf72 + 12 D* --> 179Hf72 + 24Mg12 + 171.562 MeV [-23.668 MeV]
(A_Hf:1051)
179Hf72 + 12 D* --> 180Ta73 + 23Na11 + 165.623 MeV [-29.607 MeV]
(A_Hf:1052)
179Hf72 + 12 D* --> 182W74 + 21Ne10 + 161.136 MeV [-34.094 MeV]
(A_Hf:1053)
179Hf72 + 12 D* --> 183W74 + 20Ne10 + 160.566 MeV [-34.664 MeV]
(A_Hf:1054)
179Hf72 + 12 D* --> 186Os76 + 17O8 + 150.965 MeV [-44.265 MeV]
(A_Hf:1055)
179Hf72 + 12 D* --> 187Os76 + 16O8 + 153.112 MeV [-42.118 MeV]
(A_Hf:1056)
179Hf72 + 12 D* --> 190Pt78 + 13C6 + 141.355 MeV [-53.875 MeV]
(A_Hf:1057)

180Hf72 + D* --> 176Yb70 + 6Li3 + 2.755 MeV [-11.882 MeV]
(A_Hf:1058)

180Hf72 + 2 D* --> 136Xe54 + 48Ca20 + 107.122 MeV [77.551 MeV]
(A_Hf:1059)
180Hf72 + 2 D* --> 180Hf72 + 4He2 + 23.847 MeV [-5.724 MeV]
(A_Hf:1060)
180Hf72 + 2 D* --> 184W74 + 22.190 MeV [-7.381 MeV]
(A_Hf:1061)

180Hf72 + 3 D* --> 176Yb70 + 10B5 + 31.062 MeV [-13.740 MeV]
(A_Hf:1062)
180Hf72 + 3 D* --> 179Hf72 + 7Li3 + 25.183 MeV [-19.620 MeV]
(A_Hf:1063)
180Hf72 + 3 D* --> 180Hf72 + 6Li3 + 25.320 MeV [-19.482 MeV]
(A_Hf:1064)
180Hf72 + 3 D* --> 184W74 + 2H1 + 22.190 MeV [-22.612 MeV]
(A_Hf:1065)

180Hf72 + 4 D* --> 170Er68 + 18O8 + 63.651 MeV [3.322 MeV]
(A_Hf:1066)
180Hf72 + 4 D* --> 176Yb70 + 12C6 + 56.249 MeV [-4.080 MeV]
(A_Hf:1067)
180Hf72 + 4 D* --> 179Hf72 + 9Be4 + 41.879 MeV [-18.450 MeV]
(A_Hf:1068)
180Hf72 + 4 D* --> 181Ta73 + 7Li3 + 36.288 MeV [-24.040 MeV]
(A_Hf:1069)
180Hf72 + 4 D* --> 184W74 + 4He2 + 46.037 MeV [-14.291 MeV]
(A_Hf:1070)
180Hf72 + 4 D* --> 187Re75 + 1H1 + 36.681 MeV [-23.647 MeV]
(A_Hf:1071)
180Hf72 + 4 D* --> 188Os76 + 43.891 MeV [-16.437 MeV]
(A_Hf:1072)

180Hf72 + 5 D* --> 176Yb70 + 14N7 + 66.521 MeV [-9.626 MeV]

(A_Hf:1073)
180Hf72 + 5 D* --> 179Hf72 + 11B5 + 57.694 MeV [-18.453 MeV]
(A_Hf:1074)
180Hf72 + 5 D* --> 180Hf72 + 10B5 + 53.628 MeV [-22.519 MeV]
(A_Hf:1075)
180Hf72 + 5 D* --> 181Ta73 + 9Be4 + 52.984 MeV [-23.163 MeV]
(A_Hf:1076)
180Hf72 + 5 D* --> 183W74 + 7Li3 + 47.349 MeV [-28.798 MeV]
(A_Hf:1077)
180Hf72 + 5 D* --> 184W74 + 6Li3 + 47.511 MeV [-28.636 MeV]
(A_Hf:1078)
180Hf72 + 5 D* --> 187Re75 + 3He2 + 42.175 MeV [-33.972 MeV]
(A_Hf:1079)
180Hf72 + 5 D* --> 188Os76 + 2H1 + 43.891 MeV [-32.256 MeV]
(A_Hf:1080)
180Hf72 + 5 D* --> 189Os76 + 1H1 + 47.587 MeV [-28.560 MeV]
(A_Hf:1081)

180Hf72 + 6 D* --> 170Er68 + 22Ne10 + 97.165 MeV [4.909 MeV]
(A_Hf:1082)
180Hf72 + 6 D* --> 174Yb70 + 18O8 + 86.757 MeV [-5.499 MeV]
(A_Hf:1083)
180Hf72 + 6 D* --> 176Yb70 + 16O8 + 87.257 MeV [-4.999 MeV]
(A_Hf:1084)
180Hf72 + 6 D* --> 179Hf72 + 13C6 + 76.373 MeV [-15.883 MeV]
(A_Hf:1085)
180Hf72 + 6 D* --> 180Hf72 + 12C6 + 78.814 MeV [-13.442 MeV]
(A_Hf:1086)
180Hf72 + 6 D* --> 181Ta73 + 11B5 + 68.800 MeV [-23.456 MeV]
(A_Hf:1087)
180Hf72 + 6 D* --> 183W74 + 9Be4 + 64.045 MeV [-28.211 MeV]
(A_Hf:1088)
180Hf72 + 6 D* --> 185Re75 + 7Li3 + 57.940 MeV [-34.316 MeV]
(A_Hf:1089)
180Hf72 + 6 D* --> 188Os76 + 4He2 + 67.737 MeV [-24.518 MeV]
(A_Hf:1090)
180Hf72 + 6 D* --> 189Os76 + 3He2 + 53.080 MeV [-39.176 MeV]
(A_Hf:1091)
180Hf72 + 6 D* --> 191Ir77 + 1H1 + 58.443 MeV [-33.813 MeV]
(A_Hf:1092)
180Hf72 + 6 D* --> 192Pt78 + 65.319 MeV [-26.937 MeV]
(A_Hf:1093)

180Hf72 + 7 D* --> 176Lu71 + 18O8 + 96.331 MeV [-12.323 MeV]
(A_Hf:1094)
180Hf72 + 7 D* --> 179Hf72 + 15N7 + 92.532 MeV [-16.122 MeV]
(A_Hf:1095)
180Hf72 + 7 D* --> 180Hf72 + 14N7 + 89.087 MeV [-19.567 MeV]
(A_Hf:1096)
180Hf72 + 7 D* --> 181Ta73 + 13C6 + 87.478 MeV [-21.175 MeV]
(A_Hf:1097)
180Hf72 + 7 D* --> 183W74 + 11B5 + 79.861 MeV [-28.793 MeV]
(A_Hf:1098)
180Hf72 + 7 D* --> 184W74 + 10B5 + 75.818 MeV [-32.835 MeV]

(A_Hf:1099)
180Hf72 + 7 D* --> 185Re75 + 9Be4 + 74.636 MeV [-34.018 MeV]
(A_Hf:1100)
180Hf72 + 7 D* --> 187Os76 + 7Li3 + 68.472 MeV [-40.182 MeV]
(A_Hf:1101)
180Hf72 + 7 D* --> 188Os76 + 6Li3 + 69.211 MeV [-39.442 MeV]
(A_Hf:1102)
180Hf72 + 7 D* --> 191Ir77 + 3He2 + 63.937 MeV [-44.717 MeV]
(A_Hf:1103)
180Hf72 + 7 D* --> 192Pt78 + 2H1 + 65.319 MeV [-43.335 MeV]
(A_Hf:1104)

180Hf72 + 8 D* --> 148Nd60 + 48Ca20 + 176.925 MeV [51.586 MeV]
(A_Hf:1105)
180Hf72 + 8 D* --> 150Nd60 + 46Ca20 + 172.122 MeV [46.784 MeV]
(A_Hf:1106)
180Hf72 + 8 D* --> 160Gd64 + 36S16 + 153.910 MeV [28.572 MeV]
(A_Hf:1107)
180Hf72 + 8 D* --> 170Er68 + 26Mg12 + 131.627 MeV [6.288 MeV]
(A_Hf:1108)
180Hf72 + 8 D* --> 174Yb70 + 22Ne10 + 120.272 MeV [-5.067 MeV]
(A_Hf:1109)
180Hf72 + 8 D* --> 176Yb70 + 20Ne10 + 115.833 MeV [-9.505 MeV]
(A_Hf:1110)
180Hf72 + 8 D* --> 178Hf72 + 18O8 + 108.523 MeV [-16.815 MeV]
(A_Hf:1111)
180Hf72 + 8 D* --> 179Hf72 + 17O8 + 106.578 MeV [-18.760 MeV]
(A_Hf:1112)
180Hf72 + 8 D* --> 180Hf72 + 16O8 + 109.823 MeV [-15.516 MeV]
(A_Hf:1113)
180Hf72 + 8 D* --> 181Ta73 + 15N7 + 103.638 MeV [-21.701 MeV]
(A_Hf:1114)
180Hf72 + 8 D* --> 183W74 + 13C6 + 98.539 MeV [-26.799 MeV]
(A_Hf:1115)
180Hf72 + 8 D* --> 184W74 + 12C6 + 101.005 MeV [-24.334 MeV]
(A_Hf:1116)
180Hf72 + 8 D* --> 185Re75 + 11B5 + 90.452 MeV [-34.887 MeV]
(A_Hf:1117)
180Hf72 + 8 D* --> 187Os76 + 9Be4 + 85.168 MeV [-40.171 MeV]
(A_Hf:1118)
180Hf72 + 8 D* --> 192Pt78 + 4He2 + 89.165 MeV [-36.173 MeV]
(A_Hf:1119)
180Hf72 + 8 D* --> 196Hg80 + 87.124 MeV [-38.214 MeV]
(A_Hf:1120)

180Hf72 + 9 D* --> 176Lu71 + 22Ne10 + 129.845 MeV [-12.463 MeV]
(A_Hf:1121)
180Hf72 + 9 D* --> 179Hf72 + 19F9 + 120.392 MeV [-21.916 MeV]
(A_Hf:1122)
180Hf72 + 9 D* --> 180Ta73 + 18O8 + 118.151 MeV [-24.157 MeV]
(A_Hf:1123)
180Hf72 + 9 D* --> 181Ta73 + 17O8 + 117.684 MeV [-24.625 MeV]
(A_Hf:1124)
180Hf72 + 9 D* --> 183W74 + 15N7 + 114.699 MeV [-27.610 MeV]

(A_Hf:1125)
180Hf72 + 9 D* --> 184W74 + 14N7 + 111.277 MeV [-31.031 MeV]
(A_Hf:1126)
180Hf72 + 9 D* --> 185Re75 + 13C6 + 109.130 MeV [-33.178 MeV]
(A_Hf:1127)
180Hf72 + 9 D* --> 187Os76 + 11B5 + 100.983 MeV [-41.325 MeV]
(A_Hf:1128)
180Hf72 + 9 D* --> 188Os76 + 10B5 + 97.519 MeV [-44.789 MeV]
(A_Hf:1129)
180Hf72 + 9 D* --> 192Pt78 + 6Li3 + 90.639 MeV [-51.669 MeV]
(A_Hf:1130)
180Hf72 + 9 D* --> 196Hg80 + 2H1 + 87.124 MeV [-55.184 MeV]
(A_Hf:1131)

180Hf72 + 10 D* --> 124Sn50 + 76Ge32 + 243.019 MeV [83.457 MeV]
(A_Hf:1132)
180Hf72 + 10 D* --> 130Te52 + 70Zn30 + 238.485 MeV [78.924 MeV]
(A_Hf:1133)
180Hf72 + 10 D* --> 136Xe54 + 64Ni28 + 235.093 MeV [75.532 MeV]
(A_Hf:1134)
180Hf72 + 10 D* --> 150Nd60 + 50Ti22 + 206.685 MeV [47.124 MeV]
(A_Hf:1135)
180Hf72 + 10 D* --> 152Sm62 + 48Ca20 + 200.552 MeV [40.990 MeV]
(A_Hf:1136)
180Hf72 + 10 D* --> 154Sm62 + 46Ca20 + 197.165 MeV [37.604 MeV]
(A_Hf:1137)
180Hf72 + 10 D* --> 160Gd64 + 40Ar18 + 184.557 MeV [24.996 MeV]
(A_Hf:1138)
180Hf72 + 10 D* --> 164Dy66 + 36S16 + 178.206 MeV [18.645 MeV]
(A_Hf:1139)
180Hf72 + 10 D* --> 170Er68 + 30Si14 + 166.116 MeV [6.555 MeV]
(A_Hf:1140)
180Hf72 + 10 D* --> 174Yb70 + 26Mg12 + 154.733 MeV [-4.828 MeV]
(A_Hf:1141)
180Hf72 + 10 D* --> 176Yb70 + 24Mg12 + 148.997 MeV [-10.565 MeV]
(A_Hf:1142)
180Hf72 + 10 D* --> 178Hf72 + 22Ne10 + 142.038 MeV [-17.523 MeV]
(A_Hf:1143)
180Hf72 + 10 D* --> 179Hf72 + 21Ne10 + 137.773 MeV [-21.789 MeV]
(A_Hf:1144)
180Hf72 + 10 D* --> 180Hf72 + 20Ne10 + 138.399 MeV [-21.162 MeV]
(A_Hf:1145)
180Hf72 + 10 D* --> 181Ta73 + 19F9 + 131.498 MeV [-28.063 MeV]
(A_Hf:1146)
180Hf72 + 10 D* --> 182W74 + 18O8 + 130.598 MeV [-28.963 MeV]
(A_Hf:1147)
180Hf72 + 10 D* --> 183W74 + 17O8 + 128.745 MeV [-30.817 MeV]
(A_Hf:1148)
180Hf72 + 10 D* --> 184W74 + 16O8 + 132.013 MeV [-27.548 MeV]
(A_Hf:1149)
180Hf72 + 10 D* --> 185Re75 + 15N7 + 125.290 MeV [-34.272 MeV]
(A_Hf:1150)
180Hf72 + 10 D* --> 187Os76 + 13C6 + 119.662 MeV [-39.899 MeV]
(A_Hf:1151)

180Hf72 + 10 D* --> 188Os76 + 12C6 + 122.705 MeV [-36.856 MeV]
(A_Hf:1152)
180Hf72 + 10 D* --> 196Hg80 + 4He2 + 110.971 MeV [-48.591 MeV]
(A_Hf:1153)

180Hf72 + 11 D* --> 176Lu71 + 26Mg12 + 164.306 MeV [-12.789 MeV]
(A_Hf:1154)
180Hf72 + 11 D* --> 179Hf72 + 23Na11 + 154.706 MeV [-22.390 MeV]
(A_Hf:1155)
180Hf72 + 11 D* --> 180Ta73 + 22Ne10 + 151.665 MeV [-25.430 MeV]
(A_Hf:1156)
180Hf72 + 11 D* --> 181Ta73 + 21Ne10 + 148.878 MeV [-28.218 MeV]
(A_Hf:1157)
180Hf72 + 11 D* --> 183W74 + 19F9 + 142.559 MeV [-34.537 MeV]
(A_Hf:1158)
180Hf72 + 11 D* --> 185Re75 + 17O8 + 139.336 MeV [-37.760 MeV]
(A_Hf:1159)
180Hf72 + 11 D* --> 187Os76 + 15N7 + 135.821 MeV [-41.275 MeV]
(A_Hf:1160)
180Hf72 + 11 D* --> 188Os76 + 14N7 + 132.978 MeV [-44.118 MeV]
(A_Hf:1161)
180Hf72 + 11 D* --> 192Pt78 + 10B5 + 118.947 MeV [-58.149 MeV]
(A_Hf:1162)
180Hf72 + 11 D* --> 196Hg80 + 6Li3 + 112.444 MeV [-64.651 MeV]
(A_Hf:1163)

180Hf72 + 12 D* --> 122Sn50 + 82Se34 + 275.380 MeV [80.470 MeV]
(A_Hf:1164)
180Hf72 + 12 D* --> 124Sn50 + 80Se34 + 273.837 MeV [78.927 MeV]
(A_Hf:1165)
180Hf72 + 12 D* --> 128Te52 + 76Ge32 + 270.045 MeV [75.135 MeV]
(A_Hf:1166)
180Hf72 + 12 D* --> 130Te52 + 74Ge32 + 268.614 MeV [73.704 MeV]
(A_Hf:1167)
180Hf72 + 12 D* --> 134Xe54 + 70Zn30 + 265.529 MeV [70.619 MeV]
(A_Hf:1168)
180Hf72 + 12 D* --> 136Xe54 + 68Zn30 + 264.273 MeV [69.362 MeV]
(A_Hf:1169)
180Hf72 + 12 D* --> 150Nd60 + 54Cr24 + 238.462 MeV [43.552 MeV]
(A_Hf:1170)
180Hf72 + 12 D* --> 154Sm62 + 50Ti22 + 231.729 MeV [36.818 MeV]
(A_Hf:1171)
180Hf72 + 12 D* --> 156Gd64 + 48Ca20 + 224.597 MeV [29.686 MeV]
(A_Hf:1172)
180Hf72 + 12 D* --> 158Gd64 + 46Ca20 + 221.672 MeV [26.762 MeV]
(A_Hf:1173)
180Hf72 + 12 D* --> 160Gd64 + 44Ca20 + 217.257 MeV [22.347 MeV]
(A_Hf:1174)
180Hf72 + 12 D* --> 164Dy66 + 40Ar18 + 208.853 MeV [13.943 MeV]
(A_Hf:1175)
180Hf72 + 12 D* --> 168Er68 + 36S16 + 201.501 MeV [6.591 MeV]
(A_Hf:1176)
180Hf72 + 12 D* --> 170Er68 + 34S16 + 197.887 MeV [2.976 MeV]
(A_Hf:1177)

180Hf72 + 12 D* --> 174Yb70 + 30Si14 + 189.223 MeV [-5.688 MeV]
(A_Hf:1178)
180Hf72 + 12 D* --> 176Yb70 + 28Si14 + 182.827 MeV [-12.083 MeV]
(A_Hf:1179)
180Hf72 + 12 D* --> 178Hf72 + 26Mg12 + 176.499 MeV [-18.411 MeV]
(A_Hf:1180)
180Hf72 + 12 D* --> 179Hf72 + 25Mg12 + 171.505 MeV [-23.405 MeV]
(A_Hf:1181)
180Hf72 + 12 D* --> 180Hf72 + 24Mg12 + 171.562 MeV [-23.348 MeV]
(A_Hf:1182)
180Hf72 + 12 D* --> 181Ta73 + 23Na11 + 165.812 MeV [-29.099 MeV]
(A_Hf:1183)
180Hf72 + 12 D* --> 182W74 + 22Ne10 + 164.112 MeV [-30.798 MeV]
(A_Hf:1184)
180Hf72 + 12 D* --> 183W74 + 21Ne10 + 159.939 MeV [-34.971 MeV]
(A_Hf:1185)
180Hf72 + 12 D* --> 184W74 + 20Ne10 + 160.589 MeV [-34.321 MeV]
(A_Hf:1186)
180Hf72 + 12 D* --> 185Re75 + 19F9 + 153.150 MeV [-41.761 MeV]
(A_Hf:1187)
180Hf72 + 12 D* --> 186Os76 + 18O8 + 151.621 MeV [-43.289 MeV]
(A_Hf:1188)
180Hf72 + 12 D* --> 187Os76 + 17O8 + 149.867 MeV [-45.043 MeV]
(A_Hf:1189)
180Hf72 + 12 D* --> 188Os76 + 16O8 + 153.714 MeV [-41.197 MeV]
(A_Hf:1190)
180Hf72 + 12 D* --> 192Pt78 + 12C6 + 144.133 MeV [-50.777 MeV]
(A_Hf:1191)

---------- Equations follow for Tantalum, Ta, element 73 ----------

180Ta73 + D* --> 134Xe54 + 48Ca20 + 96.538 MeV [81.699 MeV] (A_Ta:1)
180Ta73 + D* --> 136Xe54 + 46Ca20 + 93.760 MeV [78.920 MeV] (A_Ta:2)
180Ta73 + D* --> 160Gd64 + 22Ne10 + 40.173 MeV [25.333 MeV] (A_Ta:3)
180Ta73 + D* --> 164Dy66 + 18O8 + 30.954 MeV [16.115 MeV] (A_Ta:4)
180Ta73 + D* --> 170Er68 + 12C6 + 24.314 MeV [9.475 MeV] (A_Ta:5)
180Ta73 + D* --> 173Yb70 + 9Be4 + 10.408 MeV [-4.431 MeV] (A_Ta:6)
180Ta73 + D* --> 175Lu71 + 7Li3 + 4.462 MeV [-10.377 MeV] (A_Ta:7)
180Ta73 + D* --> 176Lu71 + 6Li3 + 3.500 MeV [-11.339 MeV] (A_Ta:8)
180Ta73 + D* --> 178Hf72 + 4He2 + 14.219 MeV [-0.621 MeV] (A_Ta:9)
180Ta73 + D* --> 181Ta73 + 1H1 + 5.352 MeV [-9.487 MeV] (A_Ta:10)
180Ta73 + D* --> 182W74 + 12.447 MeV [-2.392 MeV] (A_Ta:11)

180Ta73 + 2 D* --> 170Er68 + 14N7 + 34.586 MeV [4.610 MeV] (A_Ta:12)
180Ta73 + 2 D* --> 173Yb70 + 11B5 + 26.224 MeV [-3.752 MeV] (A_Ta:13)
180Ta73 + 2 D* --> 174Yb70 + 10B5 + 22.234 MeV [-7.742 MeV] (A_Ta:14)
180Ta73 + 2 D* --> 175Lu71 + 9Be4 + 21.158 MeV [-8.818 MeV] (A_Ta:15)
180Ta73 + 2 D* --> 177Hf72 + 7Li3 + 15.317 MeV [-14.659 MeV] (A_Ta:16)
180Ta73 + 2 D* --> 178Hf72 + 6Li3 + 15.693 MeV [-14.283 MeV] (A_Ta:17)
180Ta73 + 2 D* --> 180Ta73 + 4He2 + 23.847 MeV [-6.130 MeV] (A_Ta:18)
180Ta73 + 2 D* --> 181Ta73 + 3He2 + 10.846 MeV [-19.130 MeV] (A_Ta:19)
180Ta73 + 2 D* --> 182W74 + 2H1 + 12.447 MeV [-17.529 MeV] (A_Ta:20)
180Ta73 + 2 D* --> 183W74 + 1H1 + 16.413 MeV [-13.563 MeV] (A_Ta:21)

180Ta73 + 3 D* --> 136Xe54 + 50Ti22 + 128.323 MeV [82.915 MeV] (A_Ta:22)
180Ta73 + 3 D* --> 138Ba56 + 48Ca20 + 122.947 MeV [77.539 MeV] (A_Ta:23)
180Ta73 + 3 D* --> 150Nd60 + 36S16 + 94.825 MeV [49.417 MeV] (A_Ta:24)
180Ta73 + 3 D* --> 160Gd64 + 26Mg12 + 74.634 MeV [29.226 MeV] (A_Ta:25)
180Ta73 + 3 D* --> 164Dy66 + 22Ne10 + 64.469 MeV [19.061 MeV] (A_Ta:26)
180Ta73 + 3 D* --> 168Er68 + 18O8 + 54.249 MeV [8.841 MeV] (A_Ta:27)
180Ta73 + 3 D* --> 170Er68 + 16O8 + 55.323 MeV [9.915 MeV] (A_Ta:28)
180Ta73 + 3 D* --> 173Yb70 + 13C6 + 44.902 MeV [-0.506 MeV] (A_Ta:29)
180Ta73 + 3 D* --> 174Yb70 + 12C6 + 47.421 MeV [2.013 MeV] (A_Ta:30)
180Ta73 + 3 D* --> 175Lu71 + 11B5 + 36.974 MeV [-8.434 MeV] (A_Ta:31)
180Ta73 + 3 D* --> 176Lu71 + 10B5 + 31.808 MeV [-13.600 MeV] (A_Ta:32)
180Ta73 + 3 D* --> 177Hf72 + 9Be4 + 32.013 MeV [-13.395 MeV] (A_Ta:33)
180Ta73 + 3 D* --> 180Ta73 + 6Li3 + 25.320 MeV [-20.087 MeV] (A_Ta:34)
180Ta73 + 3 D* --> 182W74 + 4He2 + 36.294 MeV [-9.114 MeV] (A_Ta:35)
180Ta73 + 3 D* --> 183W74 + 3He2 + 21.907 MeV [-23.501 MeV] (A_Ta:36)
180Ta73 + 3 D* --> 185Re75 + 1H1 + 27.004 MeV [-18.404 MeV] (A_Ta:37)
180Ta73 + 3 D* --> 186Os76 + 33.470 MeV [-11.937 MeV] (A_Ta:38)

180Ta73 + 4 D* --> 173Yb70 + 15N7 + 61.062 MeV [-0.071 MeV] (A_Ta:39)
180Ta73 + 4 D* --> 174Yb70 + 14N7 + 57.693 MeV [-3.440 MeV] (A_Ta:40)
180Ta73 + 4 D* --> 175Lu71 + 13C6 + 55.652 MeV [-5.480 MeV] (A_Ta:41)
180Ta73 + 4 D* --> 176Lu71 + 12C6 + 56.994 MeV [-4.139 MeV] (A_Ta:42)
180Ta73 + 4 D* --> 177Hf72 + 11B5 + 47.828 MeV [-13.304 MeV] (A_Ta:43)
180Ta73 + 4 D* --> 178Hf72 + 10B5 + 44.000 MeV [-17.132 MeV] (A_Ta:44)
180Ta73 + 4 D* --> 182W74 + 6Li3 + 37.767 MeV [-23.365 MeV] (A_Ta:45)
180Ta73 + 4 D* --> 185Re75 + 3He2 + 32.498 MeV [-28.635 MeV] (A_Ta:46)
180Ta73 + 4 D* --> 186Os76 + 2H1 + 33.470 MeV [-27.662 MeV] (A_Ta:47)
180Ta73 + 4 D* --> 187Os76 + 1H1 + 37.536 MeV [-23.597 MeV] (A_Ta:48)

180Ta73 + 5 D* --> 136Xe54 + 54Cr24 + 160.100 MeV [82.951 MeV] (A_Ta:49)
180Ta73 + 5 D* --> 142Ce58 + 48Ca20 + 145.495 MeV [68.346 MeV] (A_Ta:50)
180Ta73 + 5 D* --> 150Nd60 + 40Ar18 + 125.472 MeV [48.323 MeV] (A_Ta:51)
180Ta73 + 5 D* --> 154Sm62 + 36S16 + 119.868 MeV [42.719 MeV] (A_Ta:52)
180Ta73 + 5 D* --> 160Gd64 + 30Si14 + 109.124 MeV [31.975 MeV] (A_Ta:53)
180Ta73 + 5 D* --> 164Dy66 + 26Mg12 + 98.930 MeV [21.782 MeV] (A_Ta:54)
180Ta73 + 5 D* --> 168Er68 + 22Ne10 + 87.764 MeV [10.615 MeV] (A_Ta:55)
180Ta73 + 5 D* --> 170Er68 + 20Ne10 + 83.899 MeV [6.750 MeV] (A_Ta:56)
180Ta73 + 5 D* --> 172Yb70 + 18O8 + 76.784 MeV [-0.364 MeV] (A_Ta:57)
180Ta73 + 5 D* --> 173Yb70 + 17O8 + 75.108 MeV [-2.041 MeV] (A_Ta:58)
180Ta73 + 5 D* --> 174Yb70 + 16O8 + 78.429 MeV [1.280 MeV] (A_Ta:59)
180Ta73 + 5 D* --> 175Lu71 + 15N7 + 71.812 MeV [-5.337 MeV] (A_Ta:60)
180Ta73 + 5 D* --> 176Lu71 + 14N7 + 67.266 MeV [-9.882 MeV] (A_Ta:61)
180Ta73 + 5 D* --> 177Hf72 + 13C6 + 66.507 MeV [-10.642 MeV] (A_Ta:62)
180Ta73 + 5 D* --> 178Hf72 + 12C6 + 69.187 MeV [-7.962 MeV] (A_Ta:63)
180Ta73 + 5 D* --> 180Ta73 + 10B5 + 53.628 MeV [-23.521 MeV] (A_Ta:64)
180Ta73 + 5 D* --> 186Os76 + 4He2 + 57.317 MeV [-19.832 MeV] (A_Ta:65)
180Ta73 + 5 D* --> 187Os76 + 3He2 + 43.029 MeV [-34.119 MeV] (A_Ta:66)
180Ta73 + 5 D* --> 190Pt78 + 54.066 MeV [-23.083 MeV] (A_Ta:67)

180Ta73 + 6 D* --> 173Yb70 + 19F9 + 88.922 MeV [-4.532 MeV] (A_Ta:68)
180Ta73 + 6 D* --> 175Lu71 + 17O8 + 85.858 MeV [-7.596 MeV] (A_Ta:69)
180Ta73 + 6 D* --> 176Lu71 + 16O8 + 88.002 MeV [-5.452 MeV] (A_Ta:70)
180Ta73 + 6 D* --> 177Hf72 + 15N7 + 82.666 MeV [-10.788 MeV] (A_Ta:71)
180Ta73 + 6 D* --> 178Hf72 + 14N7 + 79.459 MeV [-13.995 MeV] (A_Ta:72)

180Ta73 + 6 D* --> 180Ta73 + 12C6 + 78.814 MeV [-14.640 MeV] (A_Ta:73)
180Ta73 + 6 D* --> 182W74 + 10B5 + 66.075 MeV [-27.379 MeV] (A_Ta:74)
180Ta73 + 6 D* --> 186Os76 + 6Li3 + 58.791 MeV [-34.663 MeV] (A_Ta:75)
180Ta73 + 6 D* --> 190Pt78 + 2H1 + 54.066 MeV [-39.388 MeV] (A_Ta:76)

180Ta73 + 7 D* --> 124Sn50 + 70Zn30 + 200.815 MeV [90.769 MeV] (A_Ta:77)
180Ta73 + 7 D* --> 130Te52 + 64Ni28 + 197.465 MeV [87.418 MeV] (A_Ta:78)
180Ta73 + 7 D* --> 136Xe54 + 58Fe26 + 191.592 MeV [81.546 MeV] (A_Ta:79)
180Ta73 + 7 D* --> 146Nd60 + 48Ca20 + 168.159 MeV [58.112 MeV] (A_Ta:80)
180Ta73 + 7 D* --> 148Nd60 + 46Ca20 + 163.562 MeV [53.516 MeV] (A_Ta:81)
180Ta73 + 7 D* --> 150Nd60 + 44Ca20 + 158.172 MeV [48.125 MeV] (A_Ta:82)
180Ta73 + 7 D* --> 154Sm62 + 40Ar18 + 150.515 MeV [40.469 MeV] (A_Ta:83)
180Ta73 + 7 D* --> 158Gd64 + 36S16 + 144.375 MeV [34.328 MeV] (A_Ta:84)
180Ta73 + 7 D* --> 160Gd64 + 34S16 + 140.894 MeV [30.848 MeV] (A_Ta:85)
180Ta73 + 7 D* --> 164Dy66 + 30Si14 + 133.420 MeV [23.373 MeV] (A_Ta:86)
180Ta73 + 7 D* --> 168Er68 + 26Mg12 + 122.225 MeV [12.178 MeV] (A_Ta:87)
180Ta73 + 7 D* --> 170Er68 + 24Mg12 + 117.062 MeV [7.015 MeV] (A_Ta:88)
180Ta73 + 7 D* --> 172Yb70 + 22Ne10 + 110.299 MeV [00.252 MeV] (A_Ta:89)
180Ta73 + 7 D* --> 173Yb70 + 21Ne10 + 106.302 MeV [-3.745 MeV] (A_Ta:90)
180Ta73 + 7 D* --> 174Yb70 + 20Ne10 + 107.005 MeV [-3.041 MeV] (A_Ta:91)
180Ta73 + 7 D* --> 175Lu71 + 19F9 + 99.672 MeV [-10.375 MeV] (A_Ta:92)
180Ta73 + 7 D* --> 176Hf72 + 18O8 + 98.373 MeV [-11.674 MeV] (A_Ta:93)
180Ta73 + 7 D* --> 177Hf72 + 17O8 + 96.712 MeV [-13.334 MeV] (A_Ta:94)
180Ta73 + 7 D* --> 178Hf72 + 16O8 + 100.195 MeV [-9.852 MeV] (A_Ta:95)
180Ta73 + 7 D* --> 180Ta73 + 14N7 + 89.087 MeV [-20.960 MeV] (A_Ta:96)
180Ta73 + 7 D* --> 182W74 + 12C6 + 91.261 MeV [-18.785 MeV] (A_Ta:97)
180Ta73 + 7 D* --> 190Pt78 + 4He2 + 77.912 MeV [-32.134 MeV] (A_Ta:98)

180Ta73 + 8 D* --> 173Yb70 + 23Na11 + 123.236 MeV [-3.689 MeV] (A_Ta:99)
180Ta73 + 8 D* --> 175Lu71 + 21Ne10 + 117.052 MeV [-9.873 MeV] (A_Ta:100)
180Ta73 + 8 D* --> 176Lu71 + 20Ne10 + 116.579 MeV [-10.346 MeV] (A_Ta:101)
180Ta73 + 8 D* --> 177Hf72 + 19F9 + 110.527 MeV [-16.398 MeV] (A_Ta:102)
180Ta73 + 8 D* --> 180Ta73 + 16O8 + 109.823 MeV [-17.102 MeV] (A_Ta:103)
180Ta73 + 8 D* --> 182W74 + 14N7 + 101.534 MeV [-25.391 MeV] (A_Ta:104)
180Ta73 + 8 D* --> 186Os76 + 10B5 + 87.098 MeV [-39.827 MeV] (A_Ta:105)
180Ta73 + 8 D* --> 190Pt78 + 6Li3 + 79.386 MeV [-47.539 MeV] (A_Ta:106)

180Ta73 + 9 D* --> 116Cd48 + 82Se34 + 235.599 MeV [91.512 MeV] (A_Ta:107)
180Ta73 + 9 D* --> 122Sn50 + 76Ge32 + 232.444 MeV [88.357 MeV] (A_Ta:108)
180Ta73 + 9 D* --> 124Sn50 + 74Ge32 + 230.944 MeV [86.857 MeV] (A_Ta:109)
180Ta73 + 9 D* --> 128Te52 + 70Zn30 + 227.842 MeV [83.755 MeV] (A_Ta:110)
180Ta73 + 9 D* --> 130Te52 + 68Zn30 + 226.644 MeV [82.557 MeV] (A_Ta:111)
180Ta73 + 9 D* --> 134Xe54 + 64Ni28 + 224.509 MeV [80.422 MeV] (A_Ta:112)
180Ta73 + 9 D* --> 136Xe54 + 62Ni28 + 222.457 MeV [78.369 MeV] (A_Ta:113)
180Ta73 + 9 D* --> 148Nd60 + 50Ti22 + 198.125 MeV [54.038 MeV] (A_Ta:114)
180Ta73 + 9 D* --> 150Nd60 + 48Ti22 + 191.463 MeV [47.376 MeV] (A_Ta:115)
180Ta73 + 9 D* --> 150Sm62 + 48Ca20 + 190.557 MeV [46.470 MeV] (A_Ta:116)
180Ta73 + 9 D* --> 152Sm62 + 46Ca20 + 187.189 MeV [43.102 MeV] (A_Ta:117)
180Ta73 + 9 D* --> 154Sm62 + 44Ca20 + 183.215 MeV [39.128 MeV] (A_Ta:118)
180Ta73 + 9 D* --> 158Gd64 + 40Ar18 + 175.022 MeV [30.935 MeV] (A_Ta:119)
180Ta73 + 9 D* --> 160Gd64 + 38Ar18 + 171.948 MeV [27.861 MeV] (A_Ta:120)
180Ta73 + 9 D* --> 162Dy66 + 36S16 + 168.136 MeV [24.049 MeV] (A_Ta:121)
180Ta73 + 9 D* --> 164Dy66 + 34S16 + 165.190 MeV [21.103 MeV] (A_Ta:122)
180Ta73 + 9 D* --> 168Er68 + 30Si14 + 156.715 MeV [12.628 MeV] (A_Ta:123)

180Ta73 + 9 D* --> 170Er68 + 28Si14 + 150.893 MeV [6.806 MeV] (A_Ta:124)
180Ta73 + 9 D* --> 172Yb70 + 26Mg12 + 144.760 MeV [00.673 MeV] (A_Ta:125)
180Ta73 + 9 D* --> 173Yb70 + 25Mg12 + 140.034 MeV [-4.053 MeV] (A_Ta:126)
180Ta73 + 9 D* --> 174Yb70 + 24Mg12 + 140.168 MeV [-3.919 MeV] (A_Ta:127)
180Ta73 + 9 D* --> 175Lu71 + 23Na11 + 133.986 MeV [-10.101 MeV] (A_Ta:128)
180Ta73 + 9 D* --> 176Hf72 + 22Ne10 + 131.888 MeV [-12.200 MeV] (A_Ta:129)
180Ta73 + 9 D* --> 177Hf72 + 21Ne10 + 127.907 MeV [-16.180 MeV] (A_Ta:130)
180Ta73 + 9 D* --> 178Hf72 + 20Ne10 + 128.771 MeV [-15.316 MeV] (A_Ta:131)
180Ta73 + 9 D* --> 180W74 + 18O8 + 119.711 MeV [-24.376 MeV] (A_Ta:132)
180Ta73 + 9 D* --> 182W74 + 16O8 + 122.270 MeV [-21.817 MeV] (A_Ta:133)
180Ta73 + 9 D* --> 186Os76 + 12C6 + 112.285 MeV [-31.802 MeV] (A_Ta:134)

180Ta73 + 10 D* --> 150Nd60 + 50V23 + 205.332 MeV [43.801 MeV] (A_Ta:135)
180Ta73 + 10 D* --> 160Gd64 + 40K19 + 183.905 MeV [22.374 MeV] (A_Ta:136)
180Ta73 + 10 D* --> 163Dy66 + 37Cl17 + 180.569 MeV [19.038 MeV] (A_Ta:137)
180Ta73 + 10 D* --> 173Yb70 + 27Al13 + 157.174 MeV [-4.357 MeV] (A_Ta:138)
180Ta73 + 10 D* --> 175Lu71 + 25Mg12 + 150.785 MeV [-10.747 MeV] (A_Ta:139)
180Ta73 + 10 D* --> 176Lu71 + 24Mg12 + 149.742 MeV [-11.789 MeV] (A_Ta:140)
180Ta73 + 10 D* --> 177Hf72 + 23Na11 + 144.841 MeV [-16.691 MeV] (A_Ta:141)
180Ta73 + 10 D* --> 180Ta73 + 20Ne10 + 138.399 MeV [-23.132 MeV] (A_Ta:142)
180Ta73 + 10 D* --> 186Os76 + 14N7 + 122.557 MeV [-38.974 MeV] (A_Ta:143)
180Ta73 + 10 D* --> 190Pt78 + 10B5 + 107.694 MeV [-53.837 MeV] (A_Ta:144)

180Ta73 + 11 D* --> 116Cd48 + 86Kr36 + 267.542 MeV [88.286 MeV] (A_Ta:145)
180Ta73 + 11 D* --> 120Sn50 + 82Se34 + 264.256 MeV [85.000 MeV] (A_Ta:146)
180Ta73 + 11 D* --> 122Sn50 + 80Se34 + 263.263 MeV [84.007 MeV] (A_Ta:147)
180Ta73 + 11 D* --> 124Sn50 + 78Se34 + 260.820 MeV [81.564 MeV] (A_Ta:148)
180Ta73 + 11 D* --> 126Te52 + 76Ge32 + 258.834 MeV [79.579 MeV] (A_Ta:149)
180Ta73 + 11 D* --> 128Te52 + 74Ge32 + 257.971 MeV [78.716 MeV] (A_Ta:150)
180Ta73 + 11 D* --> 130Te52 + 72Ge32 + 255.494 MeV [76.238 MeV] (A_Ta:151)
180Ta73 + 11 D* --> 132Xe54 + 70Zn30 + 254.402 MeV [75.146 MeV] (A_Ta:152)
180Ta73 + 11 D* --> 134Xe54 + 68Zn30 + 253.688 MeV [74.433 MeV] (A_Ta:153)
180Ta73 + 11 D* --> 136Xe54 + 66Zn30 + 250.881 MeV [71.626 MeV] (A_Ta:154)
180Ta73 + 11 D* --> 138Ba56 + 64Ni28 + 250.918 MeV [71.662 MeV] (A_Ta:155)
180Ta73 + 11 D* --> 148Nd60 + 54Cr24 + 229.903 MeV [50.647 MeV] (A_Ta:156)
180Ta73 + 11 D* --> 150Nd60 + 52Cr24 + 224.663 MeV [45.408 MeV] (A_Ta:157)
180Ta73 + 11 D* --> 152Sm62 + 50Ti22 + 221.752 MeV [42.497 MeV] (A_Ta:158)
180Ta73 + 11 D* --> 154Sm62 + 48Ti22 + 216.506 MeV [37.250 MeV] (A_Ta:159)
180Ta73 + 11 D* --> 154Gd64 + 48Ca20 + 213.484 MeV [34.228 MeV] (A_Ta:160)
180Ta73 + 11 D* --> 156Gd64 + 46Ca20 + 211.234 MeV [31.978 MeV] (A_Ta:161)
180Ta73 + 11 D* --> 158Gd64 + 44Ca20 + 207.722 MeV [28.466 MeV] (A_Ta:162)
180Ta73 + 11 D* --> 160Gd64 + 42Ca20 + 202.052 MeV [22.797 MeV] (A_Ta:163)
180Ta73 + 11 D* --> 162Dy66 + 40Ar18 + 198.783 MeV [19.528 MeV] (A_Ta:164)
180Ta73 + 11 D* --> 164Dy66 + 38Ar18 + 196.245 MeV [16.989 MeV] (A_Ta:165)
180Ta73 + 11 D* --> 165Ho67 + 37Cl17 + 192.223 MeV [12.967 MeV] (A_Ta:166)
180Ta73 + 11 D* --> 166Er68 + 36S16 + 191.152 MeV [11.897 MeV] (A_Ta:167)
180Ta73 + 11 D* --> 168Er68 + 34S16 + 188.485 MeV [9.230 MeV] (A_Ta:168)
180Ta73 + 11 D* --> 170Er68 + 32S16 + 181.687 MeV [2.431 MeV] (A_Ta:169)
180Ta73 + 11 D* --> 172Yb70 + 30Si14 + 179.250 MeV [-0.006 MeV] (A_Ta:170)
180Ta73 + 11 D* --> 173Yb70 + 29Si14 + 175.008 MeV [-4.248 MeV] (A_Ta:171)
180Ta73 + 11 D* --> 174Yb70 + 28Si14 + 173.999 MeV [-5.256 MeV] (A_Ta:172)
180Ta73 + 11 D* --> 175Lu71 + 27Al13 + 167.924 MeV [-11.332 MeV] (A_Ta:173)
180Ta73 + 11 D* --> 176Hf72 + 26Mg12 + 166.349 MeV [-12.907 MeV] (A_Ta:174)
180Ta73 + 11 D* --> 177Hf72 + 25Mg12 + 161.639 MeV [-17.616 MeV] (A_Ta:175)

180Ta73 + 11 D* --> 178Hf72 + 24Mg12 + 161.935 MeV [-17.321 MeV] (A_Ta:176)
180Ta73 + 11 D* --> 180W74 + 22Ne10 + 153.226 MeV [-26.030 MeV] (A_Ta:177)
180Ta73 + 11 D* --> 182W74 + 20Ne10 + 150.846 MeV [-28.409 MeV] (A_Ta:178)
180Ta73 + 11 D* --> 184Os76 + 18O8 + 140.594 MeV [-38.661 MeV] (A_Ta:179)
180Ta73 + 11 D* --> 186Os76 + 16O8 + 143.293 MeV [-35.962 MeV] (A_Ta:180)
180Ta73 + 11 D* --> 190Pt78 + 12C6 + 132.880 MeV [-46.375 MeV] (A_Ta:181)

180Ta73 + 12 D* --> 154Sm62 + 50V23 + 230.376 MeV [33.117 MeV] (A_Ta:182)
180Ta73 + 12 D* --> 163Dy66 + 41K19 + 210.638 MeV [13.379 MeV] (A_Ta:183)
180Ta73 + 12 D* --> 164Dy66 + 40K19 + 208.201 MeV [10.942 MeV] (A_Ta:184)
180Ta73 + 12 D* --> 167Er68 + 37Cl17 + 203.751 MeV [6.492 MeV] (A_Ta:185)
180Ta73 + 12 D* --> 173Yb70 + 31P15 + 190.690 MeV [-6.569 MeV] (A_Ta:186)
180Ta73 + 12 D* --> 175Lu71 + 29Si14 + 185.758 MeV [-11.501 MeV] (A_Ta:187)
180Ta73 + 12 D* --> 176Lu71 + 28Si14 + 183.573 MeV [-13.686 MeV] (A_Ta:188)
180Ta73 + 12 D* --> 177Hf72 + 27Al13 + 178.779 MeV [-18.480 MeV] (A_Ta:189)
180Ta73 + 12 D* --> 180Ta73 + 24Mg12 + 171.562 MeV [-25.697 MeV] (A_Ta:190)
180Ta73 + 12 D* --> 190Pt78 + 14N7 + 143.152 MeV [-54.106 MeV] (A_Ta:191)

181Ta73 + D* --> 170Er68 + 13C6 + 21.684 MeV [6.871 MeV] (A_Ta:192)
181Ta73 + D* --> 174Yb70 + 9Be4 + 10.296 MeV [-4.516 MeV] (A_Ta:193)
181Ta73 + D* --> 176Lu71 + 7Li3 + 3.173 MeV [-11.639 MeV] (A_Ta:194)
181Ta73 + D* --> 179Hf72 + 4He2 + 12.741 MeV [-2.071 MeV] (A_Ta:195)
181Ta73 + D* --> 183W74 + 11.061 MeV [-3.751 MeV] (A_Ta:196)

181Ta73 + 2 D* --> 170Er68 + 15N7 + 37.843 MeV [7.921 MeV] (A_Ta:197)
181Ta73 + 2 D* --> 174Yb70 + 11B5 + 26.111 MeV [-3.811 MeV] (A_Ta:198)
181Ta73 + 2 D* --> 176Lu71 + 9Be4 + 19.870 MeV [-10.052 MeV] (A_Ta:199)
181Ta73 + 2 D* --> 178Hf72 + 7Li3 + 15.366 MeV [-14.556 MeV] (A_Ta:200)
181Ta73 + 2 D* --> 179Hf72 + 6Li3 + 14.215 MeV [-15.707 MeV] (A_Ta:201)
181Ta73 + 2 D* --> 181Ta73 + 4He2 + 23.847 MeV [-6.075 MeV] (A_Ta:202)
181Ta73 + 2 D* --> 183W74 + 2H1 + 11.061 MeV [-18.861 MeV] (A_Ta:203)
181Ta73 + 2 D* --> 184W74 + 1H1 + 16.248 MeV [-13.674 MeV] (A_Ta:204)
181Ta73 + 2 D* --> 185Re75 + 21.652 MeV [-8.270 MeV] (A_Ta:205)

181Ta73 + 3 D* --> 170Er68 + 17O8 + 51.889 MeV [6.562 MeV] (A_Ta:206)
181Ta73 + 3 D* --> 174Yb70 + 13C6 + 44.790 MeV [-0.537 MeV] (A_Ta:207)
181Ta73 + 3 D* --> 176Lu71 + 11B5 + 35.685 MeV [-9.642 MeV] (A_Ta:208)
181Ta73 + 3 D* --> 178Hf72 + 9Be4 + 32.062 MeV [-13.265 MeV] (A_Ta:209)
181Ta73 + 3 D* --> 180Ta73 + 7Li3 + 24.994 MeV [-20.333 MeV] (A_Ta:210)
181Ta73 + 3 D* --> 181Ta73 + 6Li3 + 25.320 MeV [-20.006 MeV] (A_Ta:211)
181Ta73 + 3 D* --> 183W74 + 4He2 + 34.908 MeV [-10.419 MeV] (A_Ta:212)
181Ta73 + 3 D* --> 184W74 + 3He2 + 21.742 MeV [-23.585 MeV] (A_Ta:213)
181Ta73 + 3 D* --> 185Re75 + 2H1 + 21.652 MeV [-23.675 MeV] (A_Ta:214)
181Ta73 + 3 D* --> 187Os76 + 32.184 MeV [-13.143 MeV] (A_Ta:215)

181Ta73 + 4 D* --> 170Er68 + 19F9 + 65.703 MeV [4.679 MeV] (A_Ta:216)
181Ta73 + 4 D* --> 174Yb70 + 15N7 + 60.949 MeV [-0.075 MeV] (A_Ta:217)
181Ta73 + 4 D* --> 176Lu71 + 13C6 + 54.364 MeV [-6.661 MeV] (A_Ta:218)
181Ta73 + 4 D* --> 178Hf72 + 11B5 + 47.878 MeV [-13.147 MeV] (A_Ta:219)
181Ta73 + 4 D* --> 179Hf72 + 10B5 + 42.522 MeV [-18.502 MeV] (A_Ta:220)
181Ta73 + 4 D* --> 180Ta73 + 9Be4 + 41.690 MeV [-19.335 MeV] (A_Ta:221)
181Ta73 + 4 D* --> 182W74 + 7Li3 + 37.441 MeV [-23.584 MeV] (A_Ta:222)
181Ta73 + 4 D* --> 183W74 + 6Li3 + 36.381 MeV [-24.643 MeV] (A_Ta:223)
181Ta73 + 4 D* --> 185Re75 + 4He2 + 45.498 MeV [-15.526 MeV] (A_Ta:224)

181Ta73 + 4 D* --> 187Os76 + 2H1 + 32.184 MeV [-28.841 MeV] (A_Ta:225)
181Ta73 + 4 D* --> 188Os76 + 1H1 + 37.949 MeV [-23.076 MeV] (A_Ta:226)

181Ta73 + 5 D* --> 170Er68 + 21Ne10 + 83.083 MeV [6.070 MeV] (A_Ta:227)
181Ta73 + 5 D* --> 173Yb70 + 18O8 + 75.575 MeV [-1.439 MeV] (A_Ta:228)
181Ta73 + 5 D* --> 174Yb70 + 17O8 + 74.995 MeV [-2.018 MeV] (A_Ta:229)
181Ta73 + 5 D* --> 176Lu71 + 15N7 + 70.523 MeV [-6.491 MeV] (A_Ta:230)
181Ta73 + 5 D* --> 178Hf72 + 13C6 + 66.556 MeV [-10.458 MeV] (A_Ta:231)
181Ta73 + 5 D* --> 179Hf72 + 12C6 + 67.709 MeV [-9.305 MeV] (A_Ta:232)
181Ta73 + 5 D* --> 180Ta73 + 11B5 + 57.505 MeV [-19.509 MeV] (A_Ta:233)
181Ta73 + 5 D* --> 181Ta73 + 10B5 + 53.628 MeV [-23.386 MeV] (A_Ta:234)
181Ta73 + 5 D* --> 182W74 + 9Be4 + 54.137 MeV [-22.877 MeV] (A_Ta:235)
181Ta73 + 5 D* --> 185Re75 + 6Li3 + 46.972 MeV [-30.042 MeV] (A_Ta:236)
181Ta73 + 5 D* --> 187Os76 + 4He2 + 56.030 MeV [-20.984 MeV] (A_Ta:237)
181Ta73 + 5 D* --> 188Os76 + 3He2 + 43.442 MeV [-33.572 MeV] (A_Ta:238)

181Ta73 + 6 D* --> 170Er68 + 23Na11 + 100.017 MeV [6.725 MeV] (A_Ta:239)
181Ta73 + 6 D* --> 174Yb70 + 19F9 + 88.810 MeV [-4.483 MeV] (A_Ta:240)
181Ta73 + 6 D* --> 175Lu71 + 18O8 + 86.325 MeV [-6.967 MeV] (A_Ta:241)
181Ta73 + 6 D* --> 176Lu71 + 17O8 + 84.569 MeV [-8.723 MeV] (A_Ta:242)
181Ta73 + 6 D* --> 178Hf72 + 15N7 + 82.716 MeV [-10.577 MeV] (A_Ta:243)
181Ta73 + 6 D* --> 179Hf72 + 14N7 + 77.981 MeV [-15.311 MeV] (A_Ta:244)
181Ta73 + 6 D* --> 180Ta73 + 13C6 + 76.184 MeV [-17.108 MeV] (A_Ta:245)
181Ta73 + 6 D* --> 181Ta73 + 12C6 + 78.814 MeV [-14.478 MeV] (A_Ta:246)
181Ta73 + 6 D* --> 182W74 + 11B5 + 69.952 MeV [-23.340 MeV] (A_Ta:247)
181Ta73 + 6 D* --> 183W74 + 10B5 + 64.689 MeV [-28.603 MeV] (A_Ta:248)
181Ta73 + 6 D* --> 186Os76 + 7Li3 + 58.464 MeV [-34.828 MeV] (A_Ta:249)
181Ta73 + 6 D* --> 187Os76 + 6Li3 + 57.504 MeV [-35.788 MeV] (A_Ta:250)
181Ta73 + 6 D* --> 192Pt78 + 1H1 + 59.377 MeV [-33.916 MeV] (A_Ta:251)

181Ta73 + 7 D* --> 170Er68 + 25Mg12 + 116.816 MeV [6.958 MeV] (A_Ta:252)
181Ta73 + 7 D* --> 173Yb70 + 22Ne10 + 109.089 MeV [-0.769 MeV] (A_Ta:253)
181Ta73 + 7 D* --> 174Yb70 + 21Ne10 + 106.190 MeV [-3.668 MeV] (A_Ta:254)
181Ta73 + 7 D* --> 176Lu71 + 19F9 + 98.383 MeV [-11.475 MeV] (A_Ta:255)
181Ta73 + 7 D* --> 177Hf72 + 18O8 + 97.180 MeV [-12.679 MeV] (A_Ta:256)
181Ta73 + 7 D* --> 178Hf72 + 17O8 + 96.761 MeV [-13.097 MeV] (A_Ta:257)
181Ta73 + 7 D* --> 179Hf72 + 16O8 + 98.717 MeV [-11.141 MeV] (A_Ta:258)
181Ta73 + 7 D* --> 180Ta73 + 15N7 + 92.343 MeV [-17.515 MeV] (A_Ta:259)
181Ta73 + 7 D* --> 181Ta73 + 14N7 + 89.087 MeV [-20.772 MeV] (A_Ta:260)
181Ta73 + 7 D* --> 182W74 + 13C6 + 88.631 MeV [-21.227 MeV] (A_Ta:261)
181Ta73 + 7 D* --> 183W74 + 12C6 + 89.875 MeV [-19.983 MeV] (A_Ta:262)
181Ta73 + 7 D* --> 185Re75 + 10B5 + 75.280 MeV [-34.578 MeV] (A_Ta:263)
181Ta73 + 7 D* --> 186Os76 + 9Be4 + 75.160 MeV [-34.698 MeV] (A_Ta:264)
181Ta73 + 7 D* --> 192Pt78 + 3He2 + 64.870 MeV [-44.988 MeV] (A_Ta:265)

181Ta73 + 8 D* --> 160Gd64 + 37Cl17 + 156.354 MeV [29.644 MeV] (A_Ta:266)
181Ta73 + 8 D* --> 170Er68 + 27Al13 + 133.955 MeV [7.246 MeV] (A_Ta:267)
181Ta73 + 8 D* --> 174Yb70 + 23Na11 + 123.124 MeV [-3.586 MeV] (A_Ta:268)
181Ta73 + 8 D* --> 175Lu71 + 22Ne10 + 119.840 MeV [-6.870 MeV] (A_Ta:269)
181Ta73 + 8 D* --> 176Lu71 + 21Ne10 + 115.763 MeV [-10.947 MeV] (A_Ta:270)
181Ta73 + 8 D* --> 178Hf72 + 19F9 + 110.576 MeV [-16.134 MeV] (A_Ta:271)
181Ta73 + 8 D* --> 180Ta73 + 17O8 + 106.389 MeV [-20.321 MeV] (A_Ta:272)
181Ta73 + 8 D* --> 181Ta73 + 16O8 + 109.823 MeV [-16.887 MeV] (A_Ta:273)
181Ta73 + 8 D* --> 182W74 + 15N7 + 104.790 MeV [-21.920 MeV] (A_Ta:274)

181Ta73 + 8 D* --> 183W74 + 14N7 + 100.148 MeV [-26.562 MeV] (A_Ta:275)
181Ta73 + 8 D* --> 185Re75 + 12C6 + 100.466 MeV [-26.244 MeV] (A_Ta:276)
181Ta73 + 8 D* --> 186Os76 + 11B5 + 90.976 MeV [-35.734 MeV] (A_Ta:277)
181Ta73 + 8 D* --> 187Os76 + 10B5 + 85.812 MeV [-40.898 MeV] (A_Ta:278)
181Ta73 + 8 D* --> 190Pt78 + 7Li3 + 79.059 MeV [-47.650 MeV] (A_Ta:279)
181Ta73 + 8 D* --> 196Hg80 + 1H1 + 81.182 MeV [-45.528 MeV] (A_Ta:280)

181Ta73 + 9 D* --> 150Nd60 + 49Ti22 + 192.028 MeV [48.183 MeV] (A_Ta:281)
181Ta73 + 9 D* --> 163Dy66 + 36S16 + 166.830 MeV [22.985 MeV] (A_Ta:282)
181Ta73 + 9 D* --> 170Er68 + 29Si14 + 151.790 MeV [7.944 MeV] (A_Ta:283)
181Ta73 + 9 D* --> 173Yb70 + 26Mg12 + 143.551 MeV [-0.295 MeV] (A_Ta:284)
181Ta73 + 9 D* --> 174Yb70 + 25Mg12 + 139.922 MeV [-3.923 MeV] (A_Ta:285)
181Ta73 + 9 D* --> 176Lu71 + 23Na11 + 132.697 MeV [-11.148 MeV] (A_Ta:286)
181Ta73 + 9 D* --> 177Hf72 + 22Ne10 + 130.694 MeV [-13.151 MeV] (A_Ta:287)
181Ta73 + 9 D* --> 178Hf72 + 21Ne10 + 127.956 MeV [-15.889 MeV] (A_Ta:288)
181Ta73 + 9 D* --> 179Hf72 + 20Ne10 + 127.294 MeV [-16.552 MeV] (A_Ta:289)
181Ta73 + 9 D* --> 180Ta73 + 19F9 + 120.203 MeV [-23.642 MeV] (A_Ta:290)
181Ta73 + 9 D* --> 182W74 + 17O8 + 118.836 MeV [-25.009 MeV] (A_Ta:291)
181Ta73 + 9 D* --> 183W74 + 16O8 + 120.884 MeV [-22.961 MeV] (A_Ta:292)
181Ta73 + 9 D* --> 185Re75 + 14N7 + 110.739 MeV [-33.107 MeV] (A_Ta:293)
181Ta73 + 9 D* --> 186Os76 + 13C6 + 109.654 MeV [-34.191 MeV] (A_Ta:294)
181Ta73 + 9 D* --> 187Os76 + 12C6 + 110.998 MeV [-32.847 MeV] (A_Ta:295)
181Ta73 + 9 D* --> 190Pt78 + 9Be4 + 95.756 MeV [-48.090 MeV] (A_Ta:296)
181Ta73 + 9 D* --> 196Hg80 + 3He2 + 86.675 MeV [-57.170 MeV] (A_Ta:297)

181Ta73 + 10 D* --> 130Te52 + 71Ga31 + 240.407 MeV [79.144 MeV] (A_Ta:298)
181Ta73 + 10 D* --> 136Xe54 + 65Cu29 + 236.604 MeV [75.342 MeV] (A_Ta:299)
181Ta73 + 10 D* --> 150Nd60 + 51V23 + 208.807 MeV [47.544 MeV] (A_Ta:300)
181Ta73 + 10 D* --> 153Eu63 + 48Ca20 + 200.503 MeV [39.240 MeV] (A_Ta:301)
181Ta73 + 10 D* --> 160Gd64 + 41K19 + 186.423 MeV [25.160 MeV] (A_Ta:302)
181Ta73 + 10 D* --> 164Dy66 + 37Cl17 + 180.650 MeV [19.388 MeV] (A_Ta:303)
181Ta73 + 10 D* --> 165Ho67 + 36S16 + 178.484 MeV [17.221 MeV] (A_Ta:304)
181Ta73 + 10 D* --> 170Er68 + 31P15 + 167.471 MeV [6.208 MeV] (A_Ta:305)
181Ta73 + 10 D* --> 174Yb70 + 27Al13 + 157.062 MeV [-4.201 MeV] (A_Ta:306)
181Ta73 + 10 D* --> 175Lu71 + 26Mg12 + 154.301 MeV [-6.962 MeV] (A_Ta:307)
181Ta73 + 10 D* --> 176Lu71 + 25Mg12 + 149.496 MeV [-11.767 MeV] (A_Ta:308)
181Ta73 + 10 D* --> 178Hf72 + 23Na11 + 144.890 MeV [-16.373 MeV] (A_Ta:309)
181Ta73 + 10 D* --> 180Ta73 + 21Ne10 + 137.584 MeV [-23.679 MeV] (A_Ta:310)
181Ta73 + 10 D* --> 181Ta73 + 20Ne10 + 138.399 MeV [-22.864 MeV] (A_Ta:311)
181Ta73 + 10 D* --> 182W74 + 19F9 + 132.650 MeV [-28.612 MeV] (A_Ta:312)
181Ta73 + 10 D* --> 185Re75 + 16O8 + 131.475 MeV [-29.788 MeV] (A_Ta:313)
181Ta73 + 10 D* --> 186Os76 + 15N7 + 125.814 MeV [-35.449 MeV] (A_Ta:314)
181Ta73 + 10 D* --> 187Os76 + 14N7 + 121.270 MeV [-39.992 MeV] (A_Ta:315)
181Ta73 + 10 D* --> 190Pt78 + 11B5 + 111.571 MeV [-49.692 MeV] (A_Ta:316)

181Ta73 + 11 D* --> 130Te52 + 73Ge32 + 254.700 MeV [75.739 MeV] (A_Ta:317)
181Ta73 + 11 D* --> 136Xe54 + 67Zn30 + 250.357 MeV [71.396 MeV] (A_Ta:318)
181Ta73 + 11 D* --> 150Nd60 + 53Cr24 + 225.026 MeV [46.065 MeV] (A_Ta:319)
181Ta73 + 11 D* --> 154Sm62 + 49Ti22 + 217.072 MeV [38.111 MeV] (A_Ta:320)
181Ta73 + 11 D* --> 155Gd64 + 48Ca20 + 212.343 MeV [33.382 MeV] (A_Ta:321)
181Ta73 + 11 D* --> 157Gd64 + 46Ca20 + 210.017 MeV [31.056 MeV] (A_Ta:322)
181Ta73 + 11 D* --> 160Gd64 + 43Ca20 + 202.409 MeV [23.448 MeV] (A_Ta:323)
181Ta73 + 11 D* --> 163Dy66 + 40Ar18 + 197.478 MeV [18.517 MeV] (A_Ta:324)
181Ta73 + 11 D* --> 167Er68 + 36S16 + 190.012 MeV [11.051 MeV] (A_Ta:325)

181Ta73 + 11 D* --> 170Er68 + 33S16 + 182.752 MeV [3.791 MeV] (A_Ta:326)
181Ta73 + 11 D* --> 173Yb70 + 30Si14 + 178.041 MeV [-0.920 MeV] (A_Ta:327)
181Ta73 + 11 D* --> 174Yb70 + 29Si14 + 174.896 MeV [-4.065 MeV] (A_Ta:328)
181Ta73 + 11 D* --> 176Lu71 + 27Al13 + 166.635 MeV [-12.325 MeV] (A_Ta:329)
181Ta73 + 11 D* --> 177Hf72 + 26Mg12 + 165.156 MeV [-13.805 MeV] (A_Ta:330)
181Ta73 + 11 D* --> 178Hf72 + 25Mg12 + 161.688 MeV [-17.272 MeV] (A_Ta:331)
181Ta73 + 11 D* --> 179Hf72 + 24Mg12 + 160.457 MeV [-18.504 MeV] (A_Ta:332)
181Ta73 + 11 D* --> 180Ta73 + 23Na11 + 154.517 MeV [-24.443 MeV] (A_Ta:333)
181Ta73 + 11 D* --> 182W74 + 21Ne10 + 150.031 MeV [-28.930 MeV] (A_Ta:334)
181Ta73 + 11 D* --> 183W74 + 20Ne10 + 149.460 MeV [-29.501 MeV] (A_Ta:335)
181Ta73 + 11 D* --> 186Os76 + 17O8 + 139.860 MeV [-39.101 MeV] (A_Ta:336)
181Ta73 + 11 D* --> 187Os76 + 16O8 + 142.006 MeV [-36.954 MeV] (A_Ta:337)
181Ta73 + 11 D* --> 190Pt78 + 13C6 + 130.250 MeV [-48.711 MeV] (A_Ta:338)

181Ta73 + 12 D* --> 124Sn50 + 81Br35 + 275.399 MeV [78.461 MeV] (A_Ta:339)
181Ta73 + 12 D* --> 123Sb51 + 82Se34 + 276.005 MeV [79.068 MeV] (A_Ta:340)
181Ta73 + 12 D* --> 130Te52 + 75As33 + 269.571 MeV [72.633 MeV] (A_Ta:341)
181Ta73 + 12 D* --> 134Xe54 + 71Ga31 + 267.452 MeV [70.514 MeV] (A_Ta:342)
181Ta73 + 12 D* --> 136Xe54 + 69Ga31 + 264.940 MeV [68.002 MeV] (A_Ta:343)
181Ta73 + 12 D* --> 150Nd60 + 55Mn25 + 240.587 MeV [43.650 MeV] (A_Ta:344)
181Ta73 + 12 D* --> 154Sm62 + 51V23 + 233.850 MeV [36.913 MeV] (A_Ta:345)
181Ta73 + 12 D* --> 160Gd64 + 45Sc21 + 218.203 MeV [21.266 MeV] (A_Ta:346)
181Ta73 + 12 D* --> 159Tb65 + 46Ca20 + 221.861 MeV [24.924 MeV] (A_Ta:347)
181Ta73 + 12 D* --> 164Dy66 + 41K19 + 210.719 MeV [13.782 MeV] (A_Ta:348)
181Ta73 + 12 D* --> 165Ho67 + 40Ar18 + 209.131 MeV [12.194 MeV] (A_Ta:349)
181Ta73 + 12 D* --> 168Er68 + 37Cl17 + 203.945 MeV [7.008 MeV] (A_Ta:350)
181Ta73 + 12 D* --> 170Er68 + 35Cl17 + 198.315 MeV [1.378 MeV] (A_Ta:351)
181Ta73 + 12 D* --> 169Tm69 + 36S16 + 201.131 MeV [4.194 MeV] (A_Ta:352)
181Ta73 + 12 D* --> 174Yb70 + 31P15 + 190.578 MeV [-6.360 MeV] (A_Ta:353)
181Ta73 + 12 D* --> 175Lu71 + 30Si14 + 188.791 MeV [-8.147 MeV] (A_Ta:354)
181Ta73 + 12 D* --> 176Lu71 + 29Si14 + 184.469 MeV [-12.468 MeV] (A_Ta:355)
181Ta73 + 12 D* --> 178Hf72 + 27Al13 + 178.828 MeV [-18.110 MeV] (A_Ta:356)
181Ta73 + 12 D* --> 180Ta73 + 25Mg12 + 171.316 MeV [-25.621 MeV] (A_Ta:357)
181Ta73 + 12 D* --> 181Ta73 + 24Mg12 + 171.562 MeV [-25.375 MeV] (A_Ta:358)
181Ta73 + 12 D* --> 182W74 + 23Na11 + 166.964 MeV [-29.973 MeV] (A_Ta:359)
181Ta73 + 12 D* --> 185Re75 + 20Ne10 + 160.051 MeV [-36.886 MeV] (A_Ta:360)
181Ta73 + 12 D* --> 186Os76 + 19F9 + 153.674 MeV [-43.264 MeV] (A_Ta:361)
181Ta73 + 12 D* --> 190Pt78 + 15N7 + 146.409 MeV [-50.528 MeV] (A_Ta:362)

---------- Equations follow for Tungsten, W, element 74 ----------

180W74 + D* --> 163Dy66 + 19F9 + 31.365 MeV [16.322 MeV] (A_W:1)
180W74 + D* --> 165Ho67 + 17O8 + 29.205 MeV [14.162 MeV] (A_W:2)
180W74 + D* --> 167Er68 + 15N7 + 26.687 MeV [11.644 MeV] (A_W:3)
180W74 + D* --> 168Er68 + 14N7 + 23.625 MeV [8.582 MeV] (A_W:4)
180W74 + D* --> 169Tm69 + 13C6 + 21.646 MeV [6.603 MeV] (A_W:5)
180W74 + D* --> 171Yb70 + 11B5 + 14.135 MeV [-0.907 MeV] (A_W:6)
180W74 + D* --> 172Yb70 + 10B5 + 10.701 MeV [-4.342 MeV] (A_W:7)
180W74 + D* --> 176Hf72 + 6Li3 + 3.982 MeV [-11.061 MeV] (A_W:8)

180W74 + 2 D* --> 130Te52 + 54Cr24 + 120.911 MeV [90.530 MeV] (A_W:9)
180W74 + 2 D* --> 134Xe54 + 50Ti22 + 116.178 MeV [85.797 MeV] (A_W:10)
180W74 + 2 D* --> 136Xe54 + 48Ti22 + 111.540 MeV [81.159 MeV] (A_W:11)
180W74 + 2 D* --> 136Ba56 + 48Ca20 + 109.728 MeV [79.347 MeV] (A_W:12)

180W74 + 2 D* --> 138Ba56 + 46Ca20 + 108.024 MeV [77.643 MeV] (A_W:13)
180W74 + 2 D* --> 148Nd60 + 36S16 + 84.704 MeV [54.323 MeV] (A_W:14)
180W74 + 2 D* --> 150Nd60 + 34S16 + 80.248 MeV [49.867 MeV] (A_W:15)
180W74 + 2 D* --> 154Sm62 + 30Si14 + 73.521 MeV [43.140 MeV] (A_W:16)
180W74 + 2 D* --> 158Gd64 + 26Mg12 + 63.538 MeV [33.157 MeV] (A_W:17)
180W74 + 2 D* --> 160Gd64 + 24Mg12 + 58.509 MeV [28.128 MeV] (A_W:18)
180W74 + 2 D* --> 162Dy66 + 22Ne10 + 52.838 MeV [22.457 MeV] (A_W:19)
180W74 + 2 D* --> 163Dy66 + 21Ne10 + 48.745 MeV [18.364 MeV] (A_W:20)
180W74 + 2 D* --> 164Dy66 + 20Ne10 + 49.642 MeV [19.261 MeV] (A_W:21)
180W74 + 2 D* --> 165Ho67 + 19F9 + 43.019 MeV [12.638 MeV] (A_W:22)
180W74 + 2 D* --> 166Er68 + 18O8 + 42.340 MeV [11.959 MeV] (A_W:23)
180W74 + 2 D* --> 167Er68 + 17O8 + 40.733 MeV [10.351 MeV] (A_W:24)
180W74 + 2 D* --> 168Er68 + 16O8 + 44.361 MeV [13.980 MeV] (A_W:25)
180W74 + 2 D* --> 169Tm69 + 15N7 + 37.805 MeV [7.424 MeV] (A_W:26)
180W74 + 2 D* --> 171Yb70 + 13C6 + 32.814 MeV [2.433 MeV] (A_W:27)
180W74 + 2 D* --> 172Yb70 + 12C6 + 35.887 MeV [5.506 MeV] (A_W:28)
180W74 + 2 D* --> 180W74 + 4He2 + 23.847 MeV [-6.535 MeV] (A_W:29)
180W74 + 2 D* --> 184Os76 + 20.883 MeV [-9.498 MeV] (A_W:30)

180W74 + 3 D* --> 136Xe54 + 50V23 + 125.409 MeV [79.396 MeV] (A_W:31)
180W74 + 3 D* --> 138La57 + 48Ca20 + 120.502 MeV [74.488 MeV] (A_W:32)
180W74 + 3 D* --> 163Dy66 + 23Na11 + 65.679 MeV [19.666 MeV] (A_W:33)
180W74 + 3 D* --> 165Ho67 + 21Ne10 + 60.399 MeV [14.386 MeV] (A_W:34)
180W74 + 3 D* --> 167Er68 + 19F9 + 54.547 MeV [8.534 MeV] (A_W:35)
180W74 + 3 D* --> 169Tm69 + 17O8 + 51.851 MeV [5.838 MeV] (A_W:36)
180W74 + 3 D* --> 171Yb70 + 15N7 + 48.973 MeV [2.960 MeV] (A_W:37)
180W74 + 3 D* --> 172Yb70 + 14N7 + 46.160 MeV [00.146 MeV] (A_W:38)
180W74 + 3 D* --> 176Hf72 + 10B5 + 32.289 MeV [-13.724 MeV] (A_W:39)
180W74 + 3 D* --> 180W74 + 6Li3 + 25.320 MeV [-20.693 MeV] (A_W:40)
180W74 + 3 D* --> 184Os76 + 2H1 + 20.883 MeV [-25.130 MeV] (A_W:41)

180W74 + 4 D* --> 124Sn50 + 64Ni28 + 158.234 MeV [96.297 MeV] (A_W:42)
180W74 + 4 D* --> 130Te52 + 58Fe26 + 152.403 MeV [90.466 MeV] (A_W:43)
180W74 + 4 D* --> 134Xe54 + 54Cr24 + 147.955 MeV [86.018 MeV] (A_W:44)
180W74 + 4 D* --> 136Xe54 + 52Cr24 + 144.740 MeV [82.803 MeV] (A_W:45)
180W74 + 4 D* --> 138Ba56 + 50Ti22 + 142.587 MeV [80.650 MeV] (A_W:46)
180W74 + 4 D* --> 140Ce58 + 48Ca20 + 135.196 MeV [73.259 MeV] (A_W:47)
180W74 + 4 D* --> 142Ce58 + 46Ca20 + 130.572 MeV [68.635 MeV] (A_W:48)
180W74 + 4 D* --> 148Nd60 + 40Ar18 + 115.352 MeV [53.415 MeV] (A_W:49)
180W74 + 4 D* --> 150Nd60 + 38Ar18 + 111.303 MeV [49.366 MeV] (A_W:50)
180W74 + 4 D* --> 152Sm62 + 36S16 + 108.331 MeV [46.394 MeV] (A_W:51)
180W74 + 4 D* --> 154Sm62 + 34S16 + 105.292 MeV [43.355 MeV] (A_W:52)
180W74 + 4 D* --> 158Gd64 + 30Si14 + 98.028 MeV [36.091 MeV] (A_W:53)
180W74 + 4 D* --> 160Gd64 + 28Si14 + 92.340 MeV [30.403 MeV] (A_W:54)
180W74 + 4 D* --> 162Dy66 + 26Mg12 + 87.300 MeV [25.363 MeV] (A_W:55)
180W74 + 4 D* --> 163Dy66 + 25Mg12 + 82.478 MeV [20.541 MeV] (A_W:56)
180W74 + 4 D* --> 164Dy66 + 24Mg12 + 82.805 MeV [20.868 MeV] (A_W:57)
180W74 + 4 D* --> 165Ho67 + 23Na11 + 77.333 MeV [15.396 MeV] (A_W:58)
180W74 + 4 D* --> 166Er68 + 22Ne10 + 75.855 MeV [13.918 MeV] (A_W:59)
180W74 + 4 D* --> 167Er68 + 21Ne10 + 71.927 MeV [9.990 MeV] (A_W:60)
180W74 + 4 D* --> 168Er68 + 20Ne10 + 72.937 MeV [11.000 MeV] (A_W:61)
180W74 + 4 D* --> 169Tm69 + 19F9 + 65.666 MeV [3.729 MeV] (A_W:62)
180W74 + 4 D* --> 170Yb70 + 18O8 + 64.449 MeV [2.512 MeV] (A_W:63)
180W74 + 4 D* --> 171Yb70 + 17O8 + 63.019 MeV [1.082 MeV] (A_W:64)

180W74 + 4 D* --> 172Yb70 + 16O8 + 66.896 MeV [4.959 MeV] (A_W:65)
180W74 + 4 D* --> 176Hf72 + 12C6 + 57.476 MeV [-4.461 MeV] (A_W:66)
180W74 + 4 D* --> 184Os76 + 4He2 + 44.730 MeV [-17.207 MeV] (A_W:67)

180W74 + 5 D* --> 150Nd60 + 40K19 + 123.259 MeV [45.108 MeV] (A_W:68)
180W74 + 5 D* --> 163Dy66 + 27Al13 + 99.617 MeV [21.467 MeV] (A_W:69)
180W74 + 5 D* --> 165Ho67 + 25Mg12 + 94.132 MeV [15.981 MeV] (A_W:70)
180W74 + 5 D* --> 167Er68 + 23Na11 + 88.861 MeV [10.710 MeV] (A_W:71)
180W74 + 5 D* --> 169Tm69 + 21Ne10 + 83.046 MeV [4.895 MeV] (A_W:72)
180W74 + 5 D* --> 171Yb70 + 19F9 + 76.834 MeV [-1.317 MeV] (A_W:73)
180W74 + 5 D* --> 176Hf72 + 14N7 + 67.748 MeV [-10.402 MeV] (A_W:74)
180W74 + 5 D* --> 180W74 + 10B5 + 53.628 MeV [-24.523 MeV] (A_W:75)
180W74 + 5 D* --> 184Os76 + 6Li3 + 46.203 MeV [-31.947 MeV] (A_W:76)

180W74 + 6 D* --> 96Zr40 + 96Zr40 + 200.055 MeV [105.403 MeV] (A_W:77)
180W74 + 6 D* --> 110Pd46 + 82Se34 + 195.113 MeV [100.461 MeV] (A_W:78)
180W74 + 6 D* --> 116Cd48 + 76Ge32 + 191.102 MeV [96.450 MeV] (A_W:79)
180W74 + 6 D* --> 122Sn50 + 70Zn30 + 188.680 MeV [94.028 MeV] (A_W:80)
180W74 + 6 D* --> 124Sn50 + 68Zn30 + 187.414 MeV [92.762 MeV] (A_W:81)
180W74 + 6 D* --> 128Te52 + 64Ni28 + 185.261 MeV [90.609 MeV] (A_W:82)
180W74 + 6 D* --> 130Te52 + 62Ni28 + 183.267 MeV [88.615 MeV] (A_W:83)
180W74 + 6 D* --> 134Xe54 + 58Fe26 + 179.448 MeV [84.796 MeV] (A_W:84)
180W74 + 6 D* --> 136Xe54 + 56Fe26 + 176.200 MeV [81.548 MeV] (A_W:85)
180W74 + 6 D* --> 138Ba56 + 54Cr24 + 174.364 MeV [79.712 MeV] (A_W:86)
180W74 + 6 D* --> 142Ce58 + 50Ti22 + 165.135 MeV [70.483 MeV] (A_W:87)
180W74 + 6 D* --> 144Nd60 + 48Ca20 + 157.137 MeV [62.485 MeV] (A_W:88)
180W74 + 6 D* --> 146Nd60 + 46Ca20 + 153.236 MeV [58.584 MeV] (A_W:89)
180W74 + 6 D* --> 148Nd60 + 44Ca20 + 148.052 MeV [53.400 MeV] (A_W:90)
180W74 + 6 D* --> 150Nd60 + 42Ca20 + 141.407 MeV [46.754 MeV] (A_W:91)
180W74 + 6 D* --> 152Sm62 + 40Ar18 + 138.979 MeV [44.326 MeV] (A_W:92)
180W74 + 6 D* --> 154Sm62 + 38Ar18 + 136.346 MeV [41.694 MeV] (A_W:93)
180W74 + 6 D* --> 156Gd64 + 36S16 + 132.376 MeV [37.724 MeV] (A_W:94)
180W74 + 6 D* --> 158Gd64 + 34S16 + 129.798 MeV [35.146 MeV] (A_W:95)
180W74 + 6 D* --> 160Gd64 + 32S16 + 123.134 MeV [28.482 MeV] (A_W:96)
180W74 + 6 D* --> 162Dy66 + 30Si14 + 121.790 MeV [27.137 MeV] (A_W:97)
180W74 + 6 D* --> 163Dy66 + 29Si14 + 117.451 MeV [22.799 MeV] (A_W:98)
180W74 + 6 D* --> 164Dy66 + 28Si14 + 116.636 MeV [21.984 MeV] (A_W:99)
180W74 + 6 D* --> 165Ho67 + 27Al13 + 111.271 MeV [16.619 MeV] (A_W:100)
180W74 + 6 D* --> 166Er68 + 26Mg12 + 110.316 MeV [15.664 MeV] (A_W:101)
180W74 + 6 D* --> 167Er68 + 25Mg12 + 105.659 MeV [11.007 MeV] (A_W:102)
180W74 + 6 D* --> 168Er68 + 24Mg12 + 106.100 MeV [11.448 MeV] (A_W:103)
180W74 + 6 D* --> 169Tm69 + 23Na11 + 99.980 MeV [5.328 MeV] (A_W:104)
180W74 + 6 D* --> 170Yb70 + 22Ne10 + 97.964 MeV [3.311 MeV] (A_W:105)
180W74 + 6 D* --> 171Yb70 + 21Ne10 + 94.214 MeV [-0.438 MeV] (A_W:106)
180W74 + 6 D* --> 172Yb70 + 20Ne10 + 95.472 MeV [00.820 MeV] (A_W:107)
180W74 + 6 D* --> 174Hf72 + 18O8 + 85.798 MeV [-8.854 MeV] (A_W:108)
180W74 + 6 D* --> 176Hf72 + 16O8 + 88.484 MeV [-6.168 MeV] (A_W:109)
180W74 + 6 D* --> 180W74 + 12C6 + 78.814 MeV [-15.838 MeV] (A_W:110)

180W74 + 7 D* --> 154Sm62 + 40K19 + 148.302 MeV [36.863 MeV] (A_W:111)
180W74 + 7 D* --> 157Gd64 + 37Cl17 + 144.898 MeV [33.458 MeV] (A_W:112)
180W74 + 7 D* --> 163Dy66 + 31P15 + 133.133 MeV [21.693 MeV] (A_W:113)
180W74 + 7 D* --> 165Ho67 + 29Si14 + 129.105 MeV [17.665 MeV] (A_W:114)
180W74 + 7 D* --> 167Er68 + 27Al13 + 122.799 MeV [11.359 MeV] (A_W:115)

180W74 + 7 D* --> 169Tm69 + 25Mg12 + 116.778 MeV [5.339 MeV] (A_W:116)
180W74 + 7 D* --> 171Yb70 + 23Na11 + 111.148 MeV [-0.292 MeV] (A_W:117)
180W74 + 7 D* --> 180W74 + 14N7 + 89.087 MeV [-22.353 MeV] (A_W:118)
180W74 + 7 D* --> 184Os76 + 10B5 + 74.511 MeV [-36.929 MeV] (A_W:119)

180W74 + 8 D* --> 100Mo42 + 96Zr40 + 227.068 MeV [98.557 MeV] (A_W:120)
180W74 + 8 D* --> 110Pd46 + 86Kr36 + 227.056 MeV [98.545 MeV] (A_W:121)
180W74 + 8 D* --> 114Cd48 + 82Se34 + 223.056 MeV [94.545 MeV] (A_W:122)
180W74 + 8 D* --> 116Cd48 + 80Se34 + 221.921 MeV [93.409 MeV] (A_W:123)
180W74 + 8 D* --> 120Sn50 + 76Ge32 + 219.759 MeV [91.248 MeV] (A_W:124)
180W74 + 8 D* --> 122Sn50 + 74Ge32 + 218.810 MeV [90.298 MeV] (A_W:125)
180W74 + 8 D* --> 124Sn50 + 72Ge32 + 216.264 MeV [87.752 MeV] (A_W:126)
180W74 + 8 D* --> 126Te52 + 70Zn30 + 215.071 MeV [86.559 MeV] (A_W:127)
180W74 + 8 D* --> 128Te52 + 68Zn30 + 214.441 MeV [85.929 MeV] (A_W:128)
180W74 + 8 D* --> 130Te52 + 66Zn30 + 211.692 MeV [83.181 MeV] (A_W:129)
180W74 + 8 D* --> 132Xe54 + 64Ni28 + 211.821 MeV [83.310 MeV] (A_W:130)
180W74 + 8 D* --> 134Xe54 + 62Ni28 + 210.312 MeV [81.800 MeV] (A_W:131)
180W74 + 8 D* --> 136Xe54 + 60Ni28 + 206.339 MeV [77.827 MeV] (A_W:132)
180W74 + 8 D* --> 138Ba56 + 58Fe26 + 205.856 MeV [77.345 MeV] (A_W:133)
180W74 + 8 D* --> 142Ce58 + 54Cr24 + 196.912 MeV [68.401 MeV] (A_W:134)
180W74 + 8 D* --> 146Nd60 + 50Ti22 + 187.799 MeV [59.287 MeV] (A_W:135)
180W74 + 8 D* --> 148Nd60 + 48Ti22 + 181.342 MeV [52.831 MeV] (A_W:136)
180W74 + 8 D* --> 150Nd60 + 46Ti22 + 173.254 MeV [44.743 MeV] (A_W:137)
180W74 + 8 D* --> 148Sm62 + 48Ca20 + 178.998 MeV [50.486 MeV] (A_W:138)
180W74 + 8 D* --> 150Sm62 + 46Ca20 + 175.634 MeV [47.122 MeV] (A_W:139)
180W74 + 8 D* --> 152Sm62 + 44Ca20 + 171.679 MeV [43.167 MeV] (A_W:140)
180W74 + 8 D* --> 154Sm62 + 42Ca20 + 166.450 MeV [37.938 MeV] (A_W:141)
180W74 + 8 D* --> 156Gd64 + 40Ar18 + 163.023 MeV [34.512 MeV] (A_W:142)
180W74 + 8 D* --> 158Gd64 + 38Ar18 + 160.853 MeV [32.341 MeV] (A_W:143)
180W74 + 8 D* --> 160Gd64 + 36Ar18 + 153.621 MeV [25.110 MeV] (A_W:144)
180W74 + 8 D* --> 159Tb65 + 37Cl17 + 156.742 MeV [28.230 MeV] (A_W:145)
180W74 + 8 D* --> 160Dy66 + 36S16 + 155.783 MeV [27.272 MeV] (A_W:146)
180W74 + 8 D* --> 162Dy66 + 34S16 + 153.560 MeV [25.048 MeV] (A_W:147)
180W74 + 8 D* --> 163Dy66 + 33S16 + 148.414 MeV [19.902 MeV] (A_W:148)
180W74 + 8 D* --> 164Dy66 + 32S16 + 147.430 MeV [18.919 MeV] (A_W:149)
180W74 + 8 D* --> 165Ho67 + 31P15 + 144.787 MeV [16.275 MeV] (A_W:150)
180W74 + 8 D* --> 166Er68 + 30Si14 + 144.806 MeV [16.294 MeV] (A_W:151)
180W74 + 8 D* --> 167Er68 + 29Si14 + 140.633 MeV [12.122 MeV] (A_W:152)
180W74 + 8 D* --> 168Er68 + 28Si14 + 139.931 MeV [11.419 MeV] (A_W:153)
180W74 + 8 D* --> 169Tm69 + 27Al13 + 133.918 MeV [5.406 MeV] (A_W:154)
180W74 + 8 D* --> 170Yb70 + 26Mg12 + 132.425 MeV [3.913 MeV] (A_W:155)
180W74 + 8 D* --> 171Yb70 + 25Mg12 + 127.946 MeV [-0.565 MeV] (A_W:156)
180W74 + 8 D* --> 172Yb70 + 24Mg12 + 128.635 MeV [00.124 MeV] (A_W:157)
180W74 + 8 D* --> 174Hf72 + 22Ne10 + 119.313 MeV [-9.199 MeV] (A_W:158)
180W74 + 8 D* --> 176Hf72 + 20Ne10 + 117.061 MeV [-11.451 MeV] (A_W:159)
180W74 + 8 D* --> 180W74 + 16O8 + 109.823 MeV [-18.689 MeV] (A_W:160)
180W74 + 8 D* --> 184Os76 + 12C6 + 99.697 MeV [-28.814 MeV] (A_W:161)

180W74 + 9 D* --> 148Nd60 + 50V23 + 195.212 MeV [49.346 MeV] (A_W:162)
180W74 + 9 D* --> 157Gd64 + 41K19 + 174.967 MeV [29.101 MeV] (A_W:163)
180W74 + 9 D* --> 158Gd64 + 40K19 + 172.809 MeV [26.943 MeV] (A_W:164)
180W74 + 9 D* --> 161Dy66 + 37Cl17 + 168.400 MeV [22.534 MeV] (A_W:165)
180W74 + 9 D* --> 163Dy66 + 35Cl17 + 163.977 MeV [18.111 MeV] (A_W:166)
180W74 + 9 D* --> 165Ho67 + 33S16 + 160.068 MeV [14.202 MeV] (A_W:167)

180W74 + 9 D* --> 167Er68 + 31P15 + 156.315 MeV [10.449 MeV] (A_W:168)
180W74 + 9 D* --> 169Tm69 + 29Si14 + 151.752 MeV [5.886 MeV] (A_W:169)
180W74 + 9 D* --> 171Yb70 + 27Al13 + 145.086 MeV [-0.780 MeV] (A_W:170)
180W74 + 9 D* --> 184Os76 + 14N7 + 109.970 MeV [-35.896 MeV] (A_W:171)

180W74 + 10 D* --> 100Mo42 + 100Mo42 + 254.081 MeV [90.580 MeV] (A_W:172)
180W74 + 10 D* --> 104Ru44 + 96Zr40 + 255.244 MeV [91.743 MeV] (A_W:173)
180W74 + 10 D* --> 114Cd48 + 86Kr36 + 254.999 MeV [91.498 MeV] (A_W:174)
180W74 + 10 D* --> 116Cd48 + 84Kr36 + 252.863 MeV [89.362 MeV] (A_W:175)
180W74 + 10 D* --> 118Sn50 + 82Se34 + 250.963 MeV [87.462 MeV] (A_W:176)
180W74 + 10 D* --> 120Sn50 + 80Se34 + 250.578 MeV [87.077 MeV] (A_W:177)
180W74 + 10 D* --> 122Sn50 + 78Se34 + 248.685 MeV [85.184 MeV] (A_W:178)
180W74 + 10 D* --> 124Sn50 + 76Se34 + 245.202 MeV [81.700 MeV] (A_W:179)
180W74 + 10 D* --> 124Te52 + 76Ge32 + 245.450 MeV [81.949 MeV] (A_W:180)
180W74 + 10 D* --> 126Te52 + 74Ge32 + 245.200 MeV [81.699 MeV] (A_W:181)
180W74 + 10 D* --> 128Te52 + 72Ge32 + 243.291 MeV [79.790 MeV] (A_W:182)
180W74 + 10 D* --> 130Te52 + 70Ge32 + 239.627 MeV [76.126 MeV] (A_W:183)
180W74 + 10 D* --> 130Xe54 + 70Zn30 + 241.159 MeV [77.658 MeV] (A_W:184)
180W74 + 10 D* --> 132Xe54 + 68Zn30 + 241.000 MeV [77.499 MeV] (A_W:185)
180W74 + 10 D* --> 134Xe54 + 66Zn30 + 238.737 MeV [75.236 MeV] (A_W:186)
180W74 + 10 D* --> 136Xe54 + 64Zn30 + 234.141 MeV [70.640 MeV] (A_W:187)
180W74 + 10 D* --> 136Ba56 + 64Ni28 + 237.699 MeV [74.198 MeV] (A_W:188)
180W74 + 10 D* --> 138Ba56 + 62Ni28 + 236.720 MeV [73.219 MeV] (A_W:189)
180W74 + 10 D* --> 142Ce58 + 58Fe26 + 228.405 MeV [64.904 MeV] (A_W:190)
180W74 + 10 D* --> 146Nd60 + 54Cr24 + 219.576 MeV [56.075 MeV] (A_W:191)
180W74 + 10 D* --> 148Nd60 + 52Cr24 + 214.543 MeV [51.042 MeV] (A_W:192)
180W74 + 10 D* --> 150Nd60 + 50Cr24 + 205.662 MeV [42.161 MeV] (A_W:193)
180W74 + 10 D* --> 150Sm62 + 50Ti22 + 210.197 MeV [46.696 MeV] (A_W:194)
180W74 + 10 D* --> 152Sm62 + 48Ti22 + 204.969 MeV [41.468 MeV] (A_W:195)
180W74 + 10 D* --> 154Sm62 + 46Ti22 + 198.298 MeV [34.797 MeV] (A_W:196)
180W74 + 10 D* --> 152Gd64 + 48Ca20 + 200.641 MeV [37.140 MeV] (A_W:197)
180W74 + 10 D* --> 154Gd64 + 46Ca20 + 198.561 MeV [35.060 MeV] (A_W:198)
180W74 + 10 D* --> 156Gd64 + 44Ca20 + 195.723 MeV [32.222 MeV] (A_W:199)
180W74 + 10 D* --> 157Gd64 + 43Ca20 + 190.952 MeV [27.451 MeV] (A_W:200)
180W74 + 10 D* --> 158Gd64 + 42Ca20 + 190.957 MeV [27.456 MeV] (A_W:201)
180W74 + 10 D* --> 160Gd64 + 40Ca20 + 184.508 MeV [21.007 MeV] (A_W:202)
180W74 + 10 D* --> 159Tb65 + 41K19 + 186.811 MeV [23.310 MeV] (A_W:203)
180W74 + 10 D* --> 160Dy66 + 40Ar18 + 186.431 MeV [22.930 MeV] (A_W:204)
180W74 + 10 D* --> 162Dy66 + 38Ar18 + 184.614 MeV [21.113 MeV] (A_W:205)
180W74 + 10 D* --> 164Dy66 + 36Ar18 + 177.918 MeV [14.417 MeV] (A_W:206)
180W74 + 10 D* --> 165Ho67 + 35Cl17 + 175.631 MeV [12.130 MeV] (A_W:207)
180W74 + 10 D* --> 164Er68 + 36S16 + 178.326 MeV [14.825 MeV] (A_W:208)
180W74 + 10 D* --> 166Er68 + 34S16 + 176.576 MeV [13.075 MeV] (A_W:209)
180W74 + 10 D* --> 167Er68 + 33S16 + 171.595 MeV [8.094 MeV] (A_W:210)
180W74 + 10 D* --> 168Er68 + 32S16 + 170.725 MeV [7.224 MeV] (A_W:211)
180W74 + 10 D* --> 169Tm69 + 31P15 + 167.434 MeV [3.933 MeV] (A_W:212)
180W74 + 10 D* --> 170Yb70 + 30Si14 + 166.915 MeV [3.414 MeV] (A_W:213)
180W74 + 10 D* --> 171Yb70 + 29Si14 + 162.920 MeV [-0.581 MeV] (A_W:214)
180W74 + 10 D* --> 172Yb70 + 28Si14 + 162.466 MeV [-1.035 MeV] (A_W:215)
180W74 + 10 D* --> 174Hf72 + 26Mg12 + 153.774 MeV [-9.727 MeV] (A_W:216)
180W74 + 10 D* --> 176Hf72 + 24Mg12 + 150.224 MeV [-13.277 MeV] (A_W:217)
180W74 + 10 D* --> 180W74 + 20Ne10 + 138.399 MeV [-25.102 MeV] (A_W:218)
180W74 + 10 D* --> 184Os76 + 16O8 + 130.706 MeV [-32.795 MeV] (A_W:219)

180W74 + 11 D* --> 131Xe54 + 71Ga31 + 253.404 MeV [71.989 MeV] (A_W:220)
180W74 + 11 D* --> 137Ba56 + 65Cu29 + 249.833 MeV [68.418 MeV] (A_W:221)
180W74 + 11 D* --> 138La57 + 64Ni28 + 248.472 MeV [67.057 MeV] (A_W:222)
180W74 + 11 D* --> 152Sm62 + 50V23 + 218.839 MeV [37.423 MeV] (A_W:223)
180W74 + 11 D* --> 153Eu63 + 49Ti22 + 216.781 MeV [35.365 MeV] (A_W:224)
180W74 + 11 D* --> 157Gd64 + 45Sc21 + 206.747 MeV [25.332 MeV] (A_W:225)
180W74 + 11 D* --> 159Tb65 + 43Ca20 + 202.796 MeV [21.381 MeV] (A_W:226)
180W74 + 11 D* --> 161Dy66 + 41K19 + 198.469 MeV [17.053 MeV] (A_W:227)
180W74 + 11 D* --> 162Dy66 + 40K19 + 196.570 MeV [15.155 MeV] (A_W:228)
180W74 + 11 D* --> 163Dy66 + 39K19 + 195.042 MeV [13.627 MeV] (A_W:229)
180W74 + 11 D* --> 167Er68 + 35Cl17 + 187.159 MeV [5.743 MeV] (A_W:230)
180W74 + 11 D* --> 169Tm69 + 33S16 + 182.714 MeV [1.299 MeV] (A_W:231)
180W74 + 11 D* --> 171Yb70 + 31P15 + 178.601 MeV [-2.814 MeV] (A_W:232)

180W74 + 12 D* --> 104Ru44 + 100Mo42 + 282.257 MeV [82.650 MeV] (A_W:233)
180W74 + 12 D* --> 108Pd46 + 96Zr40 + 282.951 MeV [83.344 MeV] (A_W:234)
180W74 + 12 D* --> 110Pd46 + 94Zr40 + 283.600 MeV [83.993 MeV] (A_W:235)
180W74 + 12 D* --> 116Cd48 + 88Sr38 + 284.625 MeV [85.018 MeV] (A_W:236)
180W74 + 12 D* --> 118Sn50 + 86Kr36 + 282.906 MeV [83.299 MeV] (A_W:237)
180W74 + 12 D* --> 120Sn50 + 84Kr36 + 281.520 MeV [81.913 MeV] (A_W:238)
180W74 + 12 D* --> 122Sn50 + 82Kr36 + 278.520 MeV [78.913 MeV] (A_W:239)
180W74 + 12 D* --> 124Sn50 + 80Kr36 + 274.113 MeV [74.506 MeV] (A_W:240)
180W74 + 12 D* --> 123Sb51 + 81Br35 + 275.183 MeV [75.576 MeV] (A_W:241)
180W74 + 12 D* --> 122Te52 + 82Se34 + 275.892 MeV [76.285 MeV] (A_W:242)
180W74 + 12 D* --> 124Te52 + 80Se34 + 276.269 MeV [76.662 MeV] (A_W:243)
180W74 + 12 D* --> 126Te52 + 78Se34 + 275.075 MeV [75.468 MeV] (A_W:244)
180W74 + 12 D* --> 128Te52 + 76Se34 + 272.228 MeV [72.621 MeV] (A_W:245)
180W74 + 12 D* --> 130Te52 + 74Se34 + 267.548 MeV [67.941 MeV] (A_W:246)
180W74 + 12 D* --> 128Xe54 + 76Ge32 + 271.057 MeV [71.450 MeV] (A_W:247)
180W74 + 12 D* --> 130Xe54 + 74Ge32 + 271.288 MeV [71.681 MeV] (A_W:248)
180W74 + 12 D* --> 131Xe54 + 73Ge32 + 267.697 MeV [68.090 MeV] (A_W:249)
180W74 + 12 D* --> 132Xe54 + 72Ge32 + 269.851 MeV [70.244 MeV] (A_W:250)
180W74 + 12 D* --> 134Xe54 + 70Ge32 + 266.672 MeV [67.065 MeV] (A_W:251)
180W74 + 12 D* --> 133Cs55 + 71Ga31 + 266.195 MeV [66.588 MeV] (A_W:252)
180W74 + 12 D* --> 134Ba56 + 70Zn30 + 266.499 MeV [66.892 MeV] (A_W:253)
180W74 + 12 D* --> 136Ba56 + 68Zn30 + 266.878 MeV [67.271 MeV] (A_W:254)
180W74 + 12 D* --> 137Ba56 + 67Zn30 + 263.586 MeV [63.979 MeV] (A_W:255)
180W74 + 12 D* --> 138Ba56 + 66Zn30 + 265.145 MeV [65.538 MeV] (A_W:256)
180W74 + 12 D* --> 139La57 + 65Cu29 + 262.479 MeV [62.872 MeV] (A_W:257)
180W74 + 12 D* --> 140Ce58 + 64Ni28 + 263.167 MeV [63.560 MeV] (A_W:258)
180W74 + 12 D* --> 142Ce58 + 62Ni28 + 259.269 MeV [59.662 MeV] (A_W:259)
180W74 + 12 D* --> 146Nd60 + 58Fe26 + 251.069 MeV [51.462 MeV] (A_W:260)
180W74 + 12 D* --> 148Nd60 + 56Fe26 + 246.003 MeV [46.396 MeV] (A_W:261)
180W74 + 12 D* --> 150Nd60 + 54Fe26 + 237.926 MeV [38.319 MeV] (A_W:262)
180W74 + 12 D* --> 150Sm62 + 54Cr24 + 241.974 MeV [42.367 MeV] (A_W:263)
180W74 + 12 D* --> 152Sm62 + 52Cr24 + 238.170 MeV [38.563 MeV] (A_W:264)
180W74 + 12 D* --> 154Sm62 + 50Cr24 + 230.705 MeV [31.098 MeV] (A_W:265)
180W74 + 12 D* --> 153Eu63 + 51V23 + 233.559 MeV [33.952 MeV] (A_W:266)
180W74 + 12 D* --> 154Gd64 + 50Ti22 + 233.124 MeV [33.517 MeV] (A_W:267)
180W74 + 12 D* --> 155Gd64 + 49Ti22 + 228.620 MeV [29.013 MeV] (A_W:268)
180W74 + 12 D* --> 156Gd64 + 48Ti22 + 229.014 MeV [29.407 MeV] (A_W:269)
180W74 + 12 D* --> 157Gd64 + 47Ti22 + 223.747 MeV [24.140 MeV] (A_W:270)
180W74 + 12 D* --> 158Gd64 + 46Ti22 + 222.804 MeV [23.197 MeV] (A_W:271)
180W74 + 12 D* --> 159Tb65 + 45Sc21 + 218.591 MeV [18.984 MeV] (A_W:272)

180W74 + 12 D* --> 156Dy66 + 48Ca20 + 222.728 MeV [23.121 MeV] (A_W:273)
180W74 + 12 D* --> 158Dy66 + 46Ca20 + 221.531 MeV [21.924 MeV] (A_W:274)
180W74 + 12 D* --> 160Dy66 + 44Ca20 + 219.131 MeV [19.524 MeV] (A_W:275)
180W74 + 12 D* --> 161Dy66 + 43Ca20 + 214.454 MeV [14.847 MeV] (A_W:276)
180W74 + 12 D* --> 162Dy66 + 42Ca20 + 214.718 MeV [15.111 MeV] (A_W:277)
180W74 + 12 D* --> 164Dy66 + 40Ca20 + 208.804 MeV [9.197 MeV] (A_W:278)
180W74 + 12 D* --> 165Ho67 + 39K19 + 206.696 MeV [7.089 MeV] (A_W:279)
180W74 + 12 D* --> 164Er68 + 40Ar18 + 208.974 MeV [9.367 MeV] (A_W:280)
180W74 + 12 D* --> 166Er68 + 38Ar18 + 207.630 MeV [8.023 MeV] (A_W:281)
180W74 + 12 D* --> 168Er68 + 36Ar18 + 201.212 MeV [1.605 MeV] (A_W:282)
180W74 + 12 D* --> 169Tm69 + 35Cl17 + 198.278 MeV [-1.329 MeV] (A_W:283)
180W74 + 12 D* --> 168Yb70 + 36S16 + 200.223 MeV [00.616 MeV] (A_W:284)
180W74 + 12 D* --> 170Yb70 + 34S16 + 198.685 MeV [-0.922 MeV] (A_W:285)
180W74 + 12 D* --> 171Yb70 + 33S16 + 193.882 MeV [-5.725 MeV] (A_W:286)
180W74 + 12 D* --> 172Yb70 + 32S16 + 193.260 MeV [-6.347 MeV] (A_W:287)
180W74 + 12 D* --> 174Hf72 + 30Si14 + 188.264 MeV [-11.343 MeV] (A_W:288)
180W74 + 12 D* --> 176Hf72 + 28Si14 + 184.054 MeV [-15.553 MeV] (A_W:289)
180W74 + 12 D* --> 180W74 + 24Mg12 + 171.562 MeV [-28.045 MeV] (A_W:290)
180W74 + 12 D* --> 184Os76 + 20Ne10 + 159.282 MeV [-40.325 MeV] (A_W:291)

182W74 + D* --> 170Er68 + 14N7 + 22.139 MeV [7.151 MeV] (A_W:292)
182W74 + D* --> 173Yb70 + 11B5 + 13.777 MeV [-1.211 MeV] (A_W:293)
182W74 + D* --> 174Yb70 + 10B5 + 9.787 MeV [-5.201 MeV] (A_W:294)
182W74 + D* --> 175Lu71 + 9Be4 + 8.711 MeV [-6.277 MeV] (A_W:295)
182W74 + D* --> 177Hf72 + 7Li3 + 2.870 MeV [-12.118 MeV] (A_W:296)
182W74 + D* --> 178Hf72 + 6Li3 + 3.246 MeV [-11.742 MeV] (A_W:297)
182W74 + D* --> 180Ta73 + 4He2 + 11.399 MeV [-3.589 MeV] (A_W:298)
182W74 + D* --> 183W74 + 1H1 + 3.966 MeV [-11.022 MeV] (A_W:299)

182W74 + 2 D* --> 136Xe54 + 50Ti22 + 115.876 MeV [85.604 MeV] (A_W:300)
182W74 + 2 D* --> 138Ba56 + 48Ca20 + 110.500 MeV [80.228 MeV] (A_W:301)
182W74 + 2 D* --> 150Nd60 + 36S16 + 82.378 MeV [52.106 MeV] (A_W:302)
182W74 + 2 D* --> 160Gd64 + 26Mg12 + 62.187 MeV [31.915 MeV] (A_W:303)
182W74 + 2 D* --> 164Dy66 + 22Ne10 + 52.022 MeV [21.750 MeV] (A_W:304)
182W74 + 2 D* --> 168Er68 + 18O8 + 41.802 MeV [11.530 MeV] (A_W:305)
182W74 + 2 D* --> 170Er68 + 16O8 + 42.876 MeV [12.604 MeV] (A_W:306)
182W74 + 2 D* --> 173Yb70 + 13C6 + 32.455 MeV [2.183 MeV] (A_W:307)
182W74 + 2 D* --> 174Yb70 + 12C6 + 34.974 MeV [4.702 MeV] (A_W:308)
182W74 + 2 D* --> 175Lu71 + 11B5 + 24.527 MeV [-5.745 MeV] (A_W:309)
182W74 + 2 D* --> 176Lu71 + 10B5 + 19.361 MeV [-10.911 MeV] (A_W:310)
182W74 + 2 D* --> 177Hf72 + 9Be4 + 19.566 MeV [-10.706 MeV] (A_W:311)
182W74 + 2 D* --> 180Ta73 + 6Li3 + 12.873 MeV [-17.399 MeV] (A_W:312)
182W74 + 2 D* --> 182W74 + 4He2 + 23.847 MeV [-6.425 MeV] (A_W:313)
182W74 + 2 D* --> 183W74 + 3He2 + 9.460 MeV [-20.812 MeV] (A_W:314)
182W74 + 2 D* --> 185Re75 + 1H1 + 14.557 MeV [-15.715 MeV] (A_W:315)
182W74 + 2 D* --> 186Os76 + 21.023 MeV [-9.248 MeV] (A_W:316)

182W74 + 3 D* --> 173Yb70 + 15N7 + 48.614 MeV [2.765 MeV] (A_W:317)
182W74 + 3 D* --> 174Yb70 + 14N7 + 45.246 MeV [-0.604 MeV] (A_W:318)
182W74 + 3 D* --> 175Lu71 + 13C6 + 43.205 MeV [-2.644 MeV] (A_W:319)
182W74 + 3 D* --> 176Lu71 + 12C6 + 44.547 MeV [-1.303 MeV] (A_W:320)
182W74 + 3 D* --> 177Hf72 + 11B5 + 35.381 MeV [-10.468 MeV] (A_W:321)
182W74 + 3 D* --> 178Hf72 + 10B5 + 31.553 MeV [-14.296 MeV] (A_W:322)
182W74 + 3 D* --> 182W74 + 6Li3 + 25.320 MeV [-20.529 MeV] (A_W:323)

182W74 + 3 D* --> 185Re75 + 3He2 + 20.051 MeV [-25.799 MeV] (A_W:324)
182W74 + 3 D* --> 186Os76 + 2H1 + 21.023 MeV [-24.826 MeV] (A_W:325)
182W74 + 3 D* --> 187Os76 + 1H1 + 25.089 MeV [-20.761 MeV] (A_W:326)

182W74 + 4 D* --> 136Xe54 + 54Cr24 + 147.653 MeV [85.934 MeV] (A_W:327)
182W74 + 4 D* --> 142Ce58 + 48Ca20 + 133.048 MeV [71.329 MeV] (A_W:328)
182W74 + 4 D* --> 150Nd60 + 40Ar18 + 113.025 MeV [51.306 MeV] (A_W:329)
182W74 + 4 D* --> 154Sm62 + 36S16 + 107.421 MeV [45.702 MeV] (A_W:330)
182W74 + 4 D* --> 160Gd64 + 30Si14 + 96.677 MeV [34.958 MeV] (A_W:331)
182W74 + 4 D* --> 164Dy66 + 26Mg12 + 86.483 MeV [24.764 MeV] (A_W:332)
182W74 + 4 D* --> 168Er68 + 22Ne10 + 75.317 MeV [13.598 MeV] (A_W:333)
182W74 + 4 D* --> 170Er68 + 20Ne10 + 71.452 MeV [9.733 MeV] (A_W:334)
182W74 + 4 D* --> 172Yb70 + 18O8 + 64.337 MeV [2.618 MeV] (A_W:335)
182W74 + 4 D* --> 173Yb70 + 17O8 + 62.660 MeV [00.941 MeV] (A_W:336)
182W74 + 4 D* --> 174Yb70 + 16O8 + 65.982 MeV [4.263 MeV] (A_W:337)
182W74 + 4 D* --> 175Lu71 + 15N7 + 59.365 MeV [-2.354 MeV] (A_W:338)
182W74 + 4 D* --> 176Lu71 + 14N7 + 54.819 MeV [-6.900 MeV] (A_W:339)
182W74 + 4 D* --> 177Hf72 + 13C6 + 54.060 MeV [-7.659 MeV] (A_W:340)
182W74 + 4 D* --> 178Hf72 + 12C6 + 56.740 MeV [-4.979 MeV] (A_W:341)
182W74 + 4 D* --> 180Ta73 + 10B5 + 41.181 MeV [-20.538 MeV] (A_W:342)
182W74 + 4 D* --> 186Os76 + 4He2 + 44.870 MeV [-16.849 MeV] (A_W:343)
182W74 + 4 D* --> 187Os76 + 3He2 + 30.582 MeV [-31.137 MeV] (A_W:344)
182W74 + 4 D* --> 190Pt78 + 41.619 MeV [-20.100 MeV] (A_W:345)

182W74 + 5 D* --> 173Yb70 + 19F9 + 76.475 MeV [-1.404 MeV] (A_W:346)
182W74 + 5 D* --> 175Lu71 + 17O8 + 73.411 MeV [-4.468 MeV] (A_W:347)
182W74 + 5 D* --> 176Lu71 + 16O8 + 75.555 MeV [-2.323 MeV] (A_W:348)
182W74 + 5 D* --> 177Hf72 + 15N7 + 70.219 MeV [-7.659 MeV] (A_W:349)
182W74 + 5 D* --> 178Hf72 + 14N7 + 67.012 MeV [-10.866 MeV] (A_W:350)
182W74 + 5 D* --> 180Ta73 + 12C6 + 66.367 MeV [-11.511 MeV] (A_W:351)
182W74 + 5 D* --> 182W74 + 10B5 + 53.628 MeV [-24.250 MeV] (A_W:352)
182W74 + 5 D* --> 186Os76 + 6Li3 + 46.344 MeV [-31.535 MeV] (A_W:353)
182W74 + 5 D* --> 190Pt78 + 2H1 + 41.619 MeV [-36.260 MeV] (A_W:354)

182W74 + 6 D* --> 124Sn50 + 70Zn30 + 188.368 MeV [94.042 MeV] (A_W:355)
182W74 + 6 D* --> 130Te52 + 64Ni28 + 185.018 MeV [90.692 MeV] (A_W:356)
182W74 + 6 D* --> 136Xe54 + 58Fe26 + 179.145 MeV [84.820 MeV] (A_W:357)
182W74 + 6 D* --> 146Nd60 + 48Ca20 + 155.712 MeV [61.386 MeV] (A_W:358)
182W74 + 6 D* --> 148Nd60 + 46Ca20 + 151.115 MeV [56.790 MeV] (A_W:359)
182W74 + 6 D* --> 150Nd60 + 44Ca20 + 145.725 MeV [51.399 MeV] (A_W:360)
182W74 + 6 D* --> 154Sm62 + 40Ar18 + 138.068 MeV [43.743 MeV] (A_W:361)
182W74 + 6 D* --> 158Gd64 + 36S16 + 131.928 MeV [37.602 MeV] (A_W:362)
182W74 + 6 D* --> 160Gd64 + 34S16 + 128.447 MeV [34.121 MeV] (A_W:363)
182W74 + 6 D* --> 164Dy66 + 30Si14 + 120.973 MeV [26.647 MeV] (A_W:364)
182W74 + 6 D* --> 168Er68 + 26Mg12 + 109.778 MeV [15.452 MeV] (A_W:365)
182W74 + 6 D* --> 170Er68 + 24Mg12 + 104.615 MeV [10.289 MeV] (A_W:366)
182W74 + 6 D* --> 172Yb70 + 22Ne10 + 97.852 MeV [3.526 MeV] (A_W:367)
182W74 + 6 D* --> 173Yb70 + 21Ne10 + 93.855 MeV [-0.471 MeV] (A_W:368)
182W74 + 6 D* --> 174Yb70 + 20Ne10 + 94.558 MeV [00.233 MeV] (A_W:369)
182W74 + 6 D* --> 175Lu71 + 19F9 + 87.225 MeV [-7.101 MeV] (A_W:370)
182W74 + 6 D* --> 176Hf72 + 18O8 + 85.926 MeV [-8.400 MeV] (A_W:371)
182W74 + 6 D* --> 177Hf72 + 17O8 + 84.265 MeV [-10.060 MeV] (A_W:372)
182W74 + 6 D* --> 178Hf72 + 16O8 + 87.748 MeV [-6.578 MeV] (A_W:373)
182W74 + 6 D* --> 180Ta73 + 14N7 + 76.640 MeV [-17.686 MeV] (A_W:374)

182W74 + 6 D* --> 182W74 + 12C6 + 78.814 MeV [-15.511 MeV] (A_W:375)
182W74 + 6 D* --> 190Pt78 + 4He2 + 65.465 MeV [-28.860 MeV] (A_W:376)

182W74 + 7 D* --> 173Yb70 + 23Na11 + 110.789 MeV [-0.271 MeV] (A_W:377)
182W74 + 7 D* --> 175Lu71 + 21Ne10 + 104.605 MeV [-6.454 MeV] (A_W:378)
182W74 + 7 D* --> 176Lu71 + 20Ne10 + 104.132 MeV [-6.928 MeV] (A_W:379)
182W74 + 7 D* --> 177Hf72 + 19F9 + 98.080 MeV [-12.980 MeV] (A_W:380)
182W74 + 7 D* --> 180Ta73 + 16O8 + 97.376 MeV [-13.684 MeV] (A_W:381)
182W74 + 7 D* --> 182W74 + 14N7 + 89.087 MeV [-21.973 MeV] (A_W:382)
182W74 + 7 D* --> 186Os76 + 10B5 + 74.651 MeV [-36.408 MeV] (A_W:383)
182W74 + 7 D* --> 190Pt78 + 6Li3 + 66.939 MeV [-44.120 MeV] (A_W:384)

182W74 + 8 D* --> 116Cd48 + 82Se34 + 223.152 MeV [95.074 MeV] (A_W:385)
182W74 + 8 D* --> 122Sn50 + 76Ge32 + 219.997 MeV [91.920 MeV] (A_W:386)
182W74 + 8 D* --> 124Sn50 + 74Ge32 + 218.497 MeV [90.420 MeV] (A_W:387)
182W74 + 8 D* --> 128Te52 + 70Zn30 + 215.395 MeV [87.318 MeV] (A_W:388)
182W74 + 8 D* --> 130Te52 + 68Zn30 + 214.197 MeV [86.120 MeV] (A_W:389)
182W74 + 8 D* --> 134Xe54 + 64Ni28 + 212.062 MeV [83.985 MeV] (A_W:390)
182W74 + 8 D* --> 136Xe54 + 62Ni28 + 210.009 MeV [81.932 MeV] (A_W:391)
182W74 + 8 D* --> 148Nd60 + 50Ti22 + 185.678 MeV [57.601 MeV] (A_W:392)
182W74 + 8 D* --> 150Nd60 + 48Ti22 + 179.016 MeV [50.938 MeV] (A_W:393)
182W74 + 8 D* --> 150Sm62 + 48Ca20 + 178.110 MeV [50.032 MeV] (A_W:394)
182W74 + 8 D* --> 152Sm62 + 46Ca20 + 174.742 MeV [46.665 MeV] (A_W:395)
182W74 + 8 D* --> 154Sm62 + 44Ca20 + 170.768 MeV [42.691 MeV] (A_W:396)
182W74 + 8 D* --> 158Gd64 + 40Ar18 + 162.575 MeV [34.498 MeV] (A_W:397)
182W74 + 8 D* --> 160Gd64 + 38Ar18 + 159.501 MeV [31.424 MeV] (A_W:398)
182W74 + 8 D* --> 162Dy66 + 36S16 + 155.689 MeV [27.612 MeV] (A_W:399)
182W74 + 8 D* --> 164Dy66 + 34S16 + 152.743 MeV [24.666 MeV] (A_W:400)
182W74 + 8 D* --> 168Er68 + 30Si14 + 144.268 MeV [16.191 MeV] (A_W:401)
182W74 + 8 D* --> 170Er68 + 28Si14 + 138.446 MeV [10.368 MeV] (A_W:402)
182W74 + 8 D* --> 172Yb70 + 26Mg12 + 132.313 MeV [4.236 MeV] (A_W:403)
182W74 + 8 D* --> 173Yb70 + 25Mg12 + 127.587 MeV [-0.490 MeV] (A_W:404)
182W74 + 8 D* --> 174Yb70 + 24Mg12 + 127.721 MeV [-0.356 MeV] (A_W:405)
182W74 + 8 D* --> 175Lu71 + 23Na11 + 121.539 MeV [-6.539 MeV] (A_W:406)
182W74 + 8 D* --> 176Hf72 + 22Ne10 + 119.440 MeV [-8.637 MeV] (A_W:407)
182W74 + 8 D* --> 177Hf72 + 21Ne10 + 115.460 MeV [-12.618 MeV] (A_W:408)
182W74 + 8 D* --> 178Hf72 + 20Ne10 + 116.324 MeV [-11.753 MeV] (A_W:409)
182W74 + 8 D* --> 180W74 + 18O8 + 107.264 MeV [-20.813 MeV] (A_W:410)
182W74 + 8 D* --> 182W74 + 16O8 + 109.823 MeV [-18.255 MeV] (A_W:411)
182W74 + 8 D* --> 186Os76 + 12C6 + 99.838 MeV [-28.240 MeV] (A_W:412)

182W74 + 9 D* --> 150Nd60 + 50V23 + 192.885 MeV [47.507 MeV] (A_W:413)
182W74 + 9 D* --> 160Gd64 + 40K19 + 171.458 MeV [26.080 MeV] (A_W:414)
182W74 + 9 D* --> 163Dy66 + 37Cl17 + 168.122 MeV [22.744 MeV] (A_W:415)
182W74 + 9 D* --> 173Yb70 + 27Al13 + 144.727 MeV [-0.651 MeV] (A_W:416)
182W74 + 9 D* --> 175Lu71 + 25Mg12 + 138.338 MeV [-7.041 MeV] (A_W:417)
182W74 + 9 D* --> 176Lu71 + 24Mg12 + 137.295 MeV [-8.083 MeV] (A_W:418)
182W74 + 9 D* --> 177Hf72 + 23Na11 + 132.393 MeV [-12.985 MeV] (A_W:419)
182W74 + 9 D* --> 180Ta73 + 20Ne10 + 125.952 MeV [-19.426 MeV] (A_W:420)
182W74 + 9 D* --> 186Os76 + 14N7 + 110.110 MeV [-35.268 MeV] (A_W:421)
182W74 + 9 D* --> 190Pt78 + 10B5 + 95.247 MeV [-50.131 MeV] (A_W:422)

182W74 + 10 D* --> 116Cd48 + 86Kr36 + 255.095 MeV [92.135 MeV] (A_W:423)
182W74 + 10 D* --> 120Sn50 + 82Se34 + 251.809 MeV [88.849 MeV] (A_W:424)

182W74 + 10 D* --> 122Sn50 + 80Se34 + 250.816 MeV [87.856 MeV] (A_W:425)
182W74 + 10 D* --> 124Sn50 + 78Se34 + 248.373 MeV [85.413 MeV] (A_W:426)
182W74 + 10 D* --> 126Te52 + 76Ge32 + 246.387 MeV [83.428 MeV] (A_W:427)
182W74 + 10 D* --> 128Te52 + 74Ge32 + 245.524 MeV [82.565 MeV] (A_W:428)
182W74 + 10 D* --> 130Te52 + 72Ge32 + 243.047 MeV [80.087 MeV] (A_W:429)
182W74 + 10 D* --> 132Xe54 + 70Zn30 + 241.955 MeV [78.995 MeV] (A_W:430)
182W74 + 10 D* --> 134Xe54 + 68Zn30 + 241.241 MeV [78.282 MeV] (A_W:431)
182W74 + 10 D* --> 136Xe54 + 66Zn30 + 238.434 MeV [75.475 MeV] (A_W:432)
182W74 + 10 D* --> 138Ba56 + 64Ni28 + 238.471 MeV [75.511 MeV] (A_W:433)
182W74 + 10 D* --> 148Nd60 + 54Cr24 + 217.456 MeV [54.496 MeV] (A_W:434)
182W74 + 10 D* --> 150Nd60 + 52Cr24 + 212.216 MeV [49.257 MeV] (A_W:435)
182W74 + 10 D* --> 152Sm62 + 50Ti22 + 209.305 MeV [46.345 MeV] (A_W:436)
182W74 + 10 D* --> 154Sm62 + 48Ti22 + 204.059 MeV [41.099 MeV] (A_W:437)
182W74 + 10 D* --> 154Gd64 + 48Ca20 + 201.037 MeV [38.077 MeV] (A_W:438)
182W74 + 10 D* --> 156Gd64 + 46Ca20 + 198.787 MeV [35.827 MeV] (A_W:439)
182W74 + 10 D* --> 158Gd64 + 44Ca20 + 195.275 MeV [32.315 MeV] (A_W:440)
182W74 + 10 D* --> 160Gd64 + 42Ca20 + 189.605 MeV [26.646 MeV] (A_W:441)
182W74 + 10 D* --> 162Dy66 + 40Ar18 + 186.336 MeV [23.377 MeV] (A_W:442)
182W74 + 10 D* --> 164Dy66 + 38Ar18 + 183.798 MeV [20.838 MeV] (A_W:443)
182W74 + 10 D* --> 165Ho67 + 37Cl17 + 179.776 MeV [16.816 MeV] (A_W:444)
182W74 + 10 D* --> 166Er68 + 36S16 + 178.705 MeV [15.746 MeV] (A_W:445)
182W74 + 10 D* --> 168Er68 + 34S16 + 176.038 MeV [13.079 MeV] (A_W:446)
182W74 + 10 D* --> 170Er68 + 32S16 + 169.240 MeV [6.280 MeV] (A_W:447)
182W74 + 10 D* --> 172Yb70 + 30Si14 + 166.803 MeV [3.843 MeV] (A_W:448)
182W74 + 10 D* --> 173Yb70 + 29Si14 + 162.561 MeV [-0.399 MeV] (A_W:449)
182W74 + 10 D* --> 174Yb70 + 28Si14 + 161.552 MeV [-1.408 MeV] (A_W:450)
182W74 + 10 D* --> 175Lu71 + 27Al13 + 155.477 MeV [-7.483 MeV] (A_W:451)
182W74 + 10 D* --> 176Hf72 + 26Mg12 + 153.902 MeV [-9.058 MeV] (A_W:452)
182W74 + 10 D* --> 177Hf72 + 25Mg12 + 149.192 MeV [-13.768 MeV] (A_W:453)
182W74 + 10 D* --> 178Hf72 + 24Mg12 + 149.488 MeV [-13.472 MeV] (A_W:454)
182W74 + 10 D* --> 180W74 + 22Ne10 + 140.779 MeV [-22.181 MeV] (A_W:455)
182W74 + 10 D* --> 182W74 + 20Ne10 + 138.399 MeV [-24.561 MeV] (A_W:456)
182W74 + 10 D* --> 184Os76 + 18O8 + 128.147 MeV [-34.812 MeV] (A_W:457)
182W74 + 10 D* --> 186Os76 + 16O8 + 130.846 MeV [-32.113 MeV] (A_W:458)
182W74 + 10 D* --> 190Pt78 + 12C6 + 120.433 MeV [-42.527 MeV] (A_W:459)

182W74 + 11 D* --> 154Sm62 + 50V23 + 217.929 MeV [37.108 MeV] (A_W:460)
182W74 + 11 D* --> 163Dy66 + 41K19 + 198.191 MeV [17.370 MeV] (A_W:461)
182W74 + 11 D* --> 164Dy66 + 40K19 + 195.754 MeV [14.933 MeV] (A_W:462)
182W74 + 11 D* --> 167Er68 + 37Cl17 + 191.304 MeV [10.483 MeV] (A_W:463)
182W74 + 11 D* --> 173Yb70 + 31P15 + 178.243 MeV [-2.578 MeV] (A_W:464)
182W74 + 11 D* --> 175Lu71 + 29Si14 + 173.311 MeV [-7.509 MeV] (A_W:465)
182W74 + 11 D* --> 176Lu71 + 28Si14 + 171.126 MeV [-9.695 MeV] (A_W:466)
182W74 + 11 D* --> 177Hf72 + 27Al13 + 166.332 MeV [-14.489 MeV] (A_W:467)
182W74 + 11 D* --> 180Ta73 + 24Mg12 + 159.115 MeV [-21.705 MeV] (A_W:468)
182W74 + 11 D* --> 190Pt78 + 14N7 + 130.705 MeV [-50.115 MeV] (A_W:469)

182W74 + 12 D* --> 110Pd46 + 96Zr40 + 283.173 MeV [84.214 MeV] (A_W:470)
182W74 + 12 D* --> 120Sn50 + 86Kr36 + 283.752 MeV [84.793 MeV] (A_W:471)
182W74 + 12 D* --> 122Sn50 + 84Kr36 + 281.758 MeV [82.799 MeV] (A_W:472)
182W74 + 12 D* --> 124Sn50 + 82Kr36 + 278.207 MeV [79.248 MeV] (A_W:473)
182W74 + 12 D* --> 124Te52 + 82Se34 + 277.500 MeV [78.541 MeV] (A_W:474)
182W74 + 12 D* --> 126Te52 + 80Se34 + 277.206 MeV [78.247 MeV] (A_W:475)
182W74 + 12 D* --> 128Te52 + 78Se34 + 275.399 MeV [76.440 MeV] (A_W:476)

182W74 + 12 D* --> 130Te52 + 76Se34 + 271.985 MeV [73.026 MeV] (A_W:477)
182W74 + 12 D* --> 130Xe54 + 76Ge32 + 272.476 MeV [73.517 MeV] (A_W:478)
182W74 + 12 D* --> 132Xe54 + 74Ge32 + 272.084 MeV [73.125 MeV] (A_W:479)
182W74 + 12 D* --> 134Xe54 + 72Ge32 + 270.092 MeV [71.133 MeV] (A_W:480)
182W74 + 12 D* --> 136Xe54 + 70Ge32 + 266.369 MeV [67.410 MeV] (A_W:481)
182W74 + 12 D* --> 136Ba56 + 70Zn30 + 267.833 MeV [68.874 MeV] (A_W:482)
182W74 + 12 D* --> 138Ba56 + 68Zn30 + 267.650 MeV [68.691 MeV] (A_W:483)
182W74 + 12 D* --> 142Ce58 + 64Ni28 + 261.019 MeV [62.060 MeV] (A_W:484)
182W74 + 12 D* --> 148Nd60 + 58Fe26 + 248.948 MeV [49.989 MeV] (A_W:485)
182W74 + 12 D* --> 150Nd60 + 56Fe26 + 243.676 MeV [44.717 MeV] (A_W:486)
182W74 + 12 D* --> 152Sm62 + 54Cr24 + 241.082 MeV [42.123 MeV] (A_W:487)
182W74 + 12 D* --> 154Sm62 + 52Cr24 + 237.260 MeV [38.301 MeV] (A_W:488)
182W74 + 12 D* --> 156Gd64 + 50Ti22 + 233.350 MeV [34.391 MeV] (A_W:489)
182W74 + 12 D* --> 157Gd64 + 49Ti22 + 228.771 MeV [29.812 MeV] (A_W:490)
182W74 + 12 D* --> 158Gd64 + 48Ti22 + 228.566 MeV [29.607 MeV] (A_W:491)
182W74 + 12 D* --> 160Gd64 + 46Ti22 + 221.453 MeV [22.494 MeV] (A_W:492)
182W74 + 12 D* --> 158Dy66 + 48Ca20 + 224.007 MeV [25.048 MeV] (A_W:493)
182W74 + 12 D* --> 160Dy66 + 46Ca20 + 222.194 MeV [23.235 MeV] (A_W:494)
182W74 + 12 D* --> 162Dy66 + 44Ca20 + 219.036 MeV [20.077 MeV] (A_W:495)
182W74 + 12 D* --> 163Dy66 + 43Ca20 + 214.176 MeV [15.217 MeV] (A_W:496)
182W74 + 12 D* --> 164Dy66 + 42Ca20 + 213.902 MeV [14.943 MeV] (A_W:497)
182W74 + 12 D* --> 165Ho67 + 41K19 + 209.845 MeV [10.886 MeV] (A_W:498)
182W74 + 12 D* --> 166Er68 + 40Ar18 + 209.353 MeV [10.394 MeV] (A_W:499)
182W74 + 12 D* --> 168Er68 + 38Ar18 + 207.092 MeV [8.133 MeV] (A_W:500)
182W74 + 12 D* --> 170Er68 + 36Ar18 + 199.727 MeV [00.768 MeV] (A_W:501)
182W74 + 12 D* --> 169Tm69 + 37Cl17 + 202.423 MeV [3.464 MeV] (A_W:502)
182W74 + 12 D* --> 170Yb70 + 36S16 + 200.814 MeV [1.855 MeV] (A_W:503)
182W74 + 12 D* --> 172Yb70 + 34S16 + 198.573 MeV [-0.386 MeV] (A_W:504)
182W74 + 12 D* --> 173Yb70 + 33S16 + 193.523 MeV [-5.436 MeV] (A_W:505)
182W74 + 12 D* --> 174Yb70 + 32S16 + 192.346 MeV [-6.613 MeV] (A_W:506)
182W74 + 12 D* --> 175Lu71 + 31P15 + 188.993 MeV [-9.966 MeV] (A_W:507)
182W74 + 12 D* --> 176Hf72 + 30Si14 + 188.392 MeV [-10.567 MeV] (A_W:508)
182W74 + 12 D* --> 177Hf72 + 29Si14 + 184.166 MeV [-14.793 MeV] (A_W:509)
182W74 + 12 D* --> 178Hf72 + 28Si14 + 183.318 MeV [-15.641 MeV] (A_W:510)
182W74 + 12 D* --> 180W74 + 26Mg12 + 175.240 MeV [-23.719 MeV] (A_W:511)
182W74 + 12 D* --> 182W74 + 24Mg12 + 171.562 MeV [-27.397 MeV] (A_W:512)
182W74 + 12 D* --> 184Os76 + 22Ne10 + 161.662 MeV [-37.297 MeV] (A_W:513)
182W74 + 12 D* --> 186Os76 + 20Ne10 + 159.423 MeV [-39.536 MeV] (A_W:514)
182W74 + 12 D* --> 190Pt78 + 16O8 + 151.442 MeV [-47.517 MeV] (A_W:515)

183W74 + D* --> 170Er68 + 15N7 + 26.782 MeV [11.821 MeV] (A_W:516)
183W74 + D* --> 174Yb70 + 11B5 + 15.050 MeV [00.089 MeV] (A_W:517)
183W74 + D* --> 176Lu71 + 9Be4 + 8.808 MeV [-6.153 MeV] (A_W:518)
183W74 + D* --> 178Hf72 + 7Li3 + 4.305 MeV [-10.656 MeV] (A_W:519)
183W74 + D* --> 179Hf72 + 6Li3 + 3.154 MeV [-11.807 MeV] (A_W:520)
183W74 + D* --> 181Ta73 + 4He2 + 12.785 MeV [-2.176 MeV] (A_W:521)
183W74 + D* --> 184W74 + 1H1 + 5.187 MeV [-9.774 MeV] (A_W:522)
183W74 + D* --> 185Re75 + 10.591 MeV [-4.370 MeV] (A_W:523)

183W74 + 2 D* --> 170Er68 + 17O8 + 40.828 MeV [10.610 MeV] (A_W:524)
183W74 + 2 D* --> 174Yb70 + 13C6 + 33.729 MeV [3.511 MeV] (A_W:525)
183W74 + 2 D* --> 176Lu71 + 11B5 + 24.624 MeV [-5.594 MeV] (A_W:526)
183W74 + 2 D* --> 178Hf72 + 9Be4 + 21.001 MeV [-9.217 MeV] (A_W:527)
183W74 + 2 D* --> 180Ta73 + 7Li3 + 13.932 MeV [-16.285 MeV] (A_W:528)

183W74 + 2 D* --> 181Ta73 + 6Li3 + 14.259 MeV [-15.959 MeV] (A_W:529)
183W74 + 2 D* --> 183W74 + 4He2 + 23.847 MeV [-6.371 MeV] (A_W:530)
183W74 + 2 D* --> 184W74 + 3He2 + 10.681 MeV [-19.537 MeV] (A_W:531)
183W74 + 2 D* --> 185Re75 + 2H1 + 10.591 MeV [-19.627 MeV] (A_W:532)
183W74 + 2 D* --> 187Os76 + 21.123 MeV [-9.095 MeV] (A_W:533)

183W74 + 3 D* --> 170Er68 + 19F9 + 54.642 MeV [8.874 MeV] (A_W:534)
183W74 + 3 D* --> 174Yb70 + 15N7 + 49.888 MeV [4.120 MeV] (A_W:535)
183W74 + 3 D* --> 176Lu71 + 13C6 + 43.302 MeV [-2.466 MeV] (A_W:536)
183W74 + 3 D* --> 178Hf72 + 11B5 + 36.816 MeV [-8.952 MeV] (A_W:537)
183W74 + 3 D* --> 179Hf72 + 10B5 + 31.461 MeV [-14.307 MeV] (A_W:538)
183W74 + 3 D* --> 180Ta73 + 9Be4 + 30.629 MeV [-15.140 MeV] (A_W:539)
183W74 + 3 D* --> 182W74 + 7Li3 + 26.380 MeV [-19.389 MeV] (A_W:540)
183W74 + 3 D* --> 183W74 + 6Li3 + 25.320 MeV [-20.448 MeV] (A_W:541)
183W74 + 3 D* --> 185Re75 + 4He2 + 34.437 MeV [-11.331 MeV] (A_W:542)
183W74 + 3 D* --> 187Os76 + 2H1 + 21.123 MeV [-24.646 MeV] (A_W:543)
183W74 + 3 D* --> 188Os76 + 1H1 + 26.888 MeV [-18.881 MeV] (A_W:544)

183W74 + 4 D* --> 170Er68 + 21Ne10 + 72.022 MeV [10.411 MeV] (A_W:545)
183W74 + 4 D* --> 173Yb70 + 18O8 + 64.514 MeV [2.903 MeV] (A_W:546)
183W74 + 4 D* --> 174Yb70 + 17O8 + 63.934 MeV [2.323 MeV] (A_W:547)
183W74 + 4 D* --> 176Lu71 + 15N7 + 59.462 MeV [-2.149 MeV] (A_W:548)
183W74 + 4 D* --> 178Hf72 + 13C6 + 55.495 MeV [-6.116 MeV] (A_W:549)
183W74 + 4 D* --> 179Hf72 + 12C6 + 56.648 MeV [-4.963 MeV] (A_W:550)
183W74 + 4 D* --> 180Ta73 + 11B5 + 46.444 MeV [-15.167 MeV] (A_W:551)
183W74 + 4 D* --> 181Ta73 + 10B5 + 42.567 MeV [-19.044 MeV] (A_W:552)
183W74 + 4 D* --> 182W74 + 9Be4 + 43.076 MeV [-18.535 MeV] (A_W:553)
183W74 + 4 D* --> 185Re75 + 6Li3 + 35.911 MeV [-25.700 MeV] (A_W:554)
183W74 + 4 D* --> 187Os76 + 4He2 + 44.969 MeV [-16.642 MeV] (A_W:555)
183W74 + 4 D* --> 188Os76 + 3He2 + 32.381 MeV [-29.230 MeV] (A_W:556)

183W74 + 5 D* --> 170Er68 + 23Na11 + 88.956 MeV [11.212 MeV] (A_W:557)
183W74 + 5 D* --> 174Yb70 + 19F9 + 77.749 MeV [00.005 MeV] (A_W:558)
183W74 + 5 D* --> 175Lu71 + 18O8 + 75.264 MeV [-2.480 MeV] (A_W:559)
183W74 + 5 D* --> 176Lu71 + 17O8 + 73.508 MeV [-4.236 MeV] (A_W:560)
183W74 + 5 D* --> 178Hf72 + 15N7 + 71.654 MeV [-6.089 MeV] (A_W:561)
183W74 + 5 D* --> 179Hf72 + 14N7 + 66.920 MeV [-10.823 MeV] (A_W:562)
183W74 + 5 D* --> 180Ta73 + 13C6 + 65.123 MeV [-12.621 MeV] (A_W:563)
183W74 + 5 D* --> 181Ta73 + 12C6 + 67.753 MeV [-9.990 MeV] (A_W:564)
183W74 + 5 D* --> 182W74 + 11B5 + 58.891 MeV [-18.852 MeV] (A_W:565)
183W74 + 5 D* --> 183W74 + 10B5 + 53.628 MeV [-24.116 MeV] (A_W:566)
183W74 + 5 D* --> 186Os76 + 7Li3 + 47.403 MeV [-30.341 MeV] (A_W:567)
183W74 + 5 D* --> 187Os76 + 6Li3 + 46.443 MeV [-31.301 MeV] (A_W:568)
183W74 + 5 D* --> 192Pt78 + 1H1 + 48.315 MeV [-29.428 MeV] (A_W:569)

183W74 + 6 D* --> 170Er68 + 25Mg12 + 105.755 MeV [11.591 MeV] (A_W:570)
183W74 + 6 D* --> 173Yb70 + 22Ne10 + 98.028 MeV [3.864 MeV] (A_W:571)
183W74 + 6 D* --> 174Yb70 + 21Ne10 + 95.129 MeV [00.964 MeV] (A_W:572)
183W74 + 6 D* --> 176Lu71 + 19F9 + 87.322 MeV [-6.842 MeV] (A_W:573)
183W74 + 6 D* --> 177Hf72 + 18O8 + 86.118 MeV [-8.046 MeV] (A_W:574)
183W74 + 6 D* --> 178Hf72 + 17O8 + 85.700 MeV [-8.464 MeV] (A_W:575)
183W74 + 6 D* --> 179Hf72 + 16O8 + 87.656 MeV [-6.508 MeV] (A_W:576)
183W74 + 6 D* --> 180Ta73 + 15N7 + 81.282 MeV [-12.882 MeV] (A_W:577)
183W74 + 6 D* --> 181Ta73 + 14N7 + 78.026 MeV [-16.139 MeV] (A_W:578)

183W74 + 6 D* --> 182W74 + 13C6 + 77.570 MeV [-16.594 MeV] (A_W:579)
183W74 + 6 D* --> 183W74 + 12C6 + 78.814 MeV [-15.350 MeV] (A_W:580)
183W74 + 6 D* --> 185Re75 + 10B5 + 64.219 MeV [-29.945 MeV] (A_W:581)
183W74 + 6 D* --> 186Os76 + 9Be4 + 64.099 MeV [-30.065 MeV] (A_W:582)
183W74 + 6 D* --> 192Pt78 + 3He2 + 53.809 MeV [-40.355 MeV] (A_W:583)

183W74 + 7 D* --> 160Gd64 + 37Cl17 + 145.293 MeV [34.422 MeV] (A_W:584)
183W74 + 7 D* --> 170Er68 + 27Al13 + 122.894 MeV [12.023 MeV] (A_W:585)
183W74 + 7 D* --> 174Yb70 + 23Na11 + 112.062 MeV [1.191 MeV] (A_W:586)
183W74 + 7 D* --> 175Lu71 + 22Ne10 + 108.778 MeV [-2.093 MeV] (A_W:587)
183W74 + 7 D* --> 176Lu71 + 21Ne10 + 104.702 MeV [-6.169 MeV] (A_W:588)
183W74 + 7 D* --> 178Hf72 + 19F9 + 99.515 MeV [-11.356 MeV] (A_W:589)
183W74 + 7 D* --> 180Ta73 + 17O8 + 95.328 MeV [-15.543 MeV] (A_W:590)
183W74 + 7 D* --> 181Ta73 + 16O8 + 98.762 MeV [-12.109 MeV] (A_W:591)
183W74 + 7 D* --> 182W74 + 15N7 + 93.729 MeV [-17.142 MeV] (A_W:592)
183W74 + 7 D* --> 183W74 + 14N7 + 89.087 MeV [-21.784 MeV] (A_W:593)
183W74 + 7 D* --> 185Re75 + 12C6 + 89.405 MeV [-21.466 MeV] (A_W:594)
183W74 + 7 D* --> 186Os76 + 11B5 + 79.915 MeV [-30.957 MeV] (A_W:595)
183W74 + 7 D* --> 187Os76 + 10B5 + 74.750 MeV [-36.121 MeV] (A_W:596)
183W74 + 7 D* --> 190Pt78 + 7Li3 + 67.998 MeV [-42.873 MeV] (A_W:597)
183W74 + 7 D* --> 196Hg80 + 1H1 + 70.121 MeV [-40.750 MeV] (A_W:598)

183W74 + 8 D* --> 150Nd60 + 49Ti22 + 180.967 MeV [53.105 MeV] (A_W:599)
183W74 + 8 D* --> 163Dy66 + 36S16 + 155.769 MeV [27.907 MeV] (A_W:600)
183W74 + 8 D* --> 170Er68 + 29Si14 + 140.728 MeV [12.866 MeV] (A_W:601)
183W74 + 8 D* --> 173Yb70 + 26Mg12 + 132.490 MeV [4.627 MeV] (A_W:602)
183W74 + 8 D* --> 174Yb70 + 25Mg12 + 128.861 MeV [00.999 MeV] (A_W:603)
183W74 + 8 D* --> 176Lu71 + 23Na11 + 121.636 MeV [-6.227 MeV] (A_W:604)
183W74 + 8 D* --> 177Hf72 + 22Ne10 + 119.633 MeV [-8.229 MeV] (A_W:605)
183W74 + 8 D* --> 178Hf72 + 21Ne10 + 116.895 MeV [-10.968 MeV] (A_W:606)
183W74 + 8 D* --> 179Hf72 + 20Ne10 + 116.233 MeV [-11.630 MeV] (A_W:607)
183W74 + 8 D* --> 180Ta73 + 19F9 + 109.142 MeV [-18.720 MeV] (A_W:608)
183W74 + 8 D* --> 182W74 + 17O8 + 107.775 MeV [-20.087 MeV] (A_W:609)
183W74 + 8 D* --> 183W74 + 16O8 + 109.823 MeV [-18.040 MeV] (A_W:610)
183W74 + 8 D* --> 185Re75 + 14N7 + 99.677 MeV [-28.185 MeV] (A_W:611)
183W74 + 8 D* --> 186Os76 + 13C6 + 98.593 MeV [-29.269 MeV] (A_W:612)
183W74 + 8 D* --> 187Os76 + 12C6 + 99.937 MeV [-27.926 MeV] (A_W:613)
183W74 + 8 D* --> 190Pt78 + 9Be4 + 84.695 MeV [-43.168 MeV] (A_W:614)
183W74 + 8 D* --> 196Hg80 + 3He2 + 75.614 MeV [-52.248 MeV] (A_W:615)

183W74 + 9 D* --> 130Te52 + 71Ga31 + 229.346 MeV [84.210 MeV] (A_W:616)
183W74 + 9 D* --> 136Xe54 + 65Cu29 + 225.543 MeV [80.407 MeV] (A_W:617)
183W74 + 9 D* --> 150Nd60 + 51V23 + 197.746 MeV [52.609 MeV] (A_W:618)
183W74 + 9 D* --> 153Eu63 + 48Ca20 + 189.442 MeV [44.306 MeV] (A_W:619)
183W74 + 9 D* --> 160Gd64 + 41K19 + 175.362 MeV [30.226 MeV] (A_W:620)
183W74 + 9 D* --> 164Dy66 + 37Cl17 + 169.589 MeV [24.453 MeV] (A_W:621)
183W74 + 9 D* --> 165Ho67 + 36S16 + 167.423 MeV [22.287 MeV] (A_W:622)
183W74 + 9 D* --> 170Er68 + 31P15 + 156.410 MeV [11.273 MeV] (A_W:623)
183W74 + 9 D* --> 174Yb70 + 27Al13 + 146.001 MeV [00.864 MeV] (A_W:624)
183W74 + 9 D* --> 175Lu71 + 26Mg12 + 143.240 MeV [-1.897 MeV] (A_W:625)
183W74 + 9 D* --> 176Lu71 + 25Mg12 + 138.435 MeV [-6.702 MeV] (A_W:626)
183W74 + 9 D* --> 178Hf72 + 23Na11 + 133.829 MeV [-11.308 MeV] (A_W:627)
183W74 + 9 D* --> 180Ta73 + 21Ne10 + 126.522 MeV [-18.614 MeV] (A_W:628)
183W74 + 9 D* --> 181Ta73 + 20Ne10 + 127.338 MeV [-17.799 MeV] (A_W:629)

183W74 + 9 D* --> 182W74 + 19F9 + 121.589 MeV [-23.547 MeV] (A_W:630)
183W74 + 9 D* --> 185Re75 + 16O8 + 120.414 MeV [-24.723 MeV] (A_W:631)
183W74 + 9 D* --> 186Os76 + 15N7 + 114.753 MeV [-30.384 MeV] (A_W:632)
183W74 + 9 D* --> 187Os76 + 14N7 + 110.209 MeV [-34.927 MeV] (A_W:633)
183W74 + 9 D* --> 190Pt78 + 11B5 + 100.510 MeV [-44.627 MeV] (A_W:634)

183W74 + 10 D* --> 130Te52 + 73Ge32 + 243.639 MeV [80.948 MeV] (A_W:635)
183W74 + 10 D* --> 136Xe54 + 67Zn30 + 239.296 MeV [76.604 MeV] (A_W:636)
183W74 + 10 D* --> 150Nd60 + 53Cr24 + 213.965 MeV [51.273 MeV] (A_W:637)
183W74 + 10 D* --> 154Sm62 + 49Ti22 + 206.011 MeV [43.319 MeV] (A_W:638)
183W74 + 10 D* --> 155Gd64 + 48Ca20 + 201.281 MeV [38.590 MeV] (A_W:639)
183W74 + 10 D* --> 157Gd64 + 46Ca20 + 198.956 MeV [36.264 MeV] (A_W:640)
183W74 + 10 D* --> 160Gd64 + 43Ca20 + 191.347 MeV [28.656 MeV] (A_W:641)
183W74 + 10 D* --> 163Dy66 + 40Ar18 + 186.417 MeV [23.725 MeV] (A_W:642)
183W74 + 10 D* --> 167Er68 + 36S16 + 178.951 MeV [16.259 MeV] (A_W:643)
183W74 + 10 D* --> 170Er68 + 33S16 + 171.691 MeV [8.999 MeV] (A_W:644)
183W74 + 10 D* --> 173Yb70 + 30Si14 + 166.979 MeV [4.288 MeV] (A_W:645)
183W74 + 10 D* --> 174Yb70 + 29Si14 + 163.835 MeV [1.143 MeV] (A_W:646)
183W74 + 10 D* --> 176Lu71 + 27Al13 + 155.574 MeV [-7.117 MeV] (A_W:647)
183W74 + 10 D* --> 177Hf72 + 26Mg12 + 154.094 MeV [-8.597 MeV] (A_W:648)
183W74 + 10 D* --> 178Hf72 + 25Mg12 + 150.627 MeV [-12.064 MeV] (A_W:649)
183W74 + 10 D* --> 179Hf72 + 24Mg12 + 149.396 MeV [-13.296 MeV] (A_W:650)
183W74 + 10 D* --> 180Ta73 + 23Na11 + 143.456 MeV [-19.235 MeV] (A_W:651)
183W74 + 10 D* --> 182W74 + 21Ne10 + 138.969 MeV [-23.722 MeV] (A_W:652)
183W74 + 10 D* --> 183W74 + 20Ne10 + 138.399 MeV [-24.292 MeV] (A_W:653)
183W74 + 10 D* --> 186Os76 + 17O8 + 128.798 MeV [-33.893 MeV] (A_W:654)
183W74 + 10 D* --> 187Os76 + 16O8 + 130.945 MeV [-31.746 MeV] (A_W:655)
183W74 + 10 D* --> 190Pt78 + 13C6 + 119.189 MeV [-43.503 MeV] (A_W:656)

183W74 + 11 D* --> 124Sn50 + 81Br35 + 264.338 MeV [83.811 MeV] (A_W:657)
183W74 + 11 D* --> 123Sb51 + 82Se34 + 264.944 MeV [84.418 MeV] (A_W:658)
183W74 + 11 D* --> 130Te52 + 75As33 + 258.510 MeV [77.984 MeV] (A_W:659)
183W74 + 11 D* --> 134Xe54 + 71Ga31 + 256.391 MeV [75.865 MeV] (A_W:660)
183W74 + 11 D* --> 136Xe54 + 69Ga31 + 253.879 MeV [73.353 MeV] (A_W:661)
183W74 + 11 D* --> 150Nd60 + 55Mn25 + 229.526 MeV [49.000 MeV] (A_W:662)
183W74 + 11 D* --> 154Sm62 + 51V23 + 222.789 MeV [42.263 MeV] (A_W:663)
183W74 + 11 D* --> 160Gd64 + 45Sc21 + 207.142 MeV [26.616 MeV] (A_W:664)
183W74 + 11 D* --> 159Tb65 + 46Ca20 + 210.800 MeV [30.274 MeV] (A_W:665)
183W74 + 11 D* --> 164Dy66 + 41K19 + 199.658 MeV [19.132 MeV] (A_W:666)
183W74 + 11 D* --> 165Ho67 + 40Ar18 + 198.070 MeV [17.544 MeV] (A_W:667)
183W74 + 11 D* --> 168Er68 + 37Cl17 + 192.884 MeV [12.358 MeV] (A_W:668)
183W74 + 11 D* --> 170Er68 + 35Cl17 + 187.254 MeV [6.728 MeV] (A_W:669)
183W74 + 11 D* --> 169Tm69 + 36S16 + 190.070 MeV [9.544 MeV] (A_W:670)
183W74 + 11 D* --> 174Yb70 + 31P15 + 179.516 MeV [-1.010 MeV] (A_W:671)
183W74 + 11 D* --> 175Lu71 + 30Si14 + 177.730 MeV [-2.796 MeV] (A_W:672)
183W74 + 11 D* --> 176Lu71 + 29Si14 + 173.408 MeV [-7.118 MeV] (A_W:673)
183W74 + 11 D* --> 178Hf72 + 27Al13 + 167.767 MeV [-12.759 MeV] (A_W:674)
183W74 + 11 D* --> 180Ta73 + 25Mg12 + 160.255 MeV [-20.271 MeV] (A_W:675)
183W74 + 11 D* --> 181Ta73 + 24Mg12 + 160.501 MeV [-20.025 MeV] (A_W:676)
183W74 + 11 D* --> 182W74 + 23Na11 + 155.903 MeV [-24.623 MeV] (A_W:677)
183W74 + 11 D* --> 185Re75 + 20Ne10 + 148.990 MeV [-31.536 MeV] (A_W:678)
183W74 + 11 D* --> 186Os76 + 19F9 + 142.613 MeV [-37.913 MeV] (A_W:679)
183W74 + 11 D* --> 190Pt78 + 15N7 + 135.348 MeV [-45.178 MeV] (A_W:680)

183W74 + 12 D* --> 124Sn50 + 83Kr36 + 279.480 MeV [80.842 MeV] (A_W:681)
183W74 + 12 D* --> 125Te52 + 82Se34 + 277.878 MeV [79.240 MeV] (A_W:682)
183W74 + 12 D* --> 130Te52 + 77Se34 + 273.213 MeV [74.575 MeV] (A_W:683)
183W74 + 12 D* --> 131Xe54 + 76Ge32 + 272.890 MeV [74.252 MeV] (A_W:684)
183W74 + 12 D* --> 134Xe54 + 73Ge32 + 270.684 MeV [72.046 MeV] (A_W:685)
183W74 + 12 D* --> 137Ba56 + 70Zn30 + 268.548 MeV [69.909 MeV] (A_W:686)
183W74 + 12 D* --> 150Nd60 + 57Fe26 + 245.131 MeV [46.493 MeV] (A_W:687)
183W74 + 12 D* --> 154Sm62 + 53Cr24 + 239.008 MeV [40.370 MeV] (A_W:688)
183W74 + 12 D* --> 157Gd64 + 50Ti22 + 233.519 MeV [34.881 MeV] (A_W:689)
183W74 + 12 D* --> 158Gd64 + 49Ti22 + 230.517 MeV [31.879 MeV] (A_W:690)
183W74 + 12 D* --> 160Gd64 + 47Ti22 + 224.143 MeV [25.505 MeV] (A_W:691)
183W74 + 12 D* --> 161Dy66 + 46Ca20 + 222.458 MeV [23.820 MeV] (A_W:692)
183W74 + 12 D* --> 163Dy66 + 44Ca20 + 219.117 MeV [20.479 MeV] (A_W:693)
183W74 + 12 D* --> 164Dy66 + 43Ca20 + 215.644 MeV [17.005 MeV] (A_W:694)
183W74 + 12 D* --> 167Er68 + 40Ar18 + 209.598 MeV [10.960 MeV] (A_W:695)
183W74 + 12 D* --> 171Yb70 + 36S16 + 201.238 MeV [2.600 MeV] (A_W:696)
183W74 + 12 D* --> 173Yb70 + 34S16 + 198.750 MeV [00.112 MeV] (A_W:697)
183W74 + 12 D* --> 174Yb70 + 33S16 + 194.797 MeV [-3.841 MeV] (A_W:698)
183W74 + 12 D* --> 176Lu71 + 31P15 + 189.090 MeV [-9.548 MeV] (A_W:699)
183W74 + 12 D* --> 177Hf72 + 30Si14 + 188.584 MeV [-10.054 MeV] (A_W:700)
183W74 + 12 D* --> 178Hf72 + 29Si14 + 185.601 MeV [-13.037 MeV] (A_W:701)
183W74 + 12 D* --> 179Hf72 + 28Si14 + 183.226 MeV [-15.412 MeV] (A_W:702)
183W74 + 12 D* --> 180Ta73 + 27Al13 + 177.394 MeV [-21.244 MeV] (A_W:703)
183W74 + 12 D* --> 182W74 + 25Mg12 + 172.702 MeV [-25.936 MeV] (A_W:704)
183W74 + 12 D* --> 183W74 + 24Mg12 + 171.562 MeV [-27.076 MeV] (A_W:705)
183W74 + 12 D* --> 186Os76 + 21Ne10 + 159.993 MeV [-38.645 MeV] (A_W:706)
183W74 + 12 D* --> 187Os76 + 20Ne10 + 159.522 MeV [-39.116 MeV] (A_W:707)
183W74 + 12 D* --> 190Pt78 + 17O8 + 149.394 MeV [-49.244 MeV] (A_W:708)

184W74 + D* --> 176Yb70 + 10B5 + 8.872 MeV [-6.062 MeV] (A_W:709)
184W74 + D* --> 179Hf72 + 7Li3 + 2.992 MeV [-11.942 MeV] (A_W:710)
184W74 + D* --> 180Hf72 + 6Li3 + 3.130 MeV [-11.804 MeV] (A_W:711)

184W74 + 2 D* --> 170Er68 + 18O8 + 41.460 MeV [11.296 MeV] (A_W:712)
184W74 + 2 D* --> 176Yb70 + 12C6 + 34.058 MeV [3.894 MeV] (A_W:713)
184W74 + 2 D* --> 179Hf72 + 9Be4 + 19.688 MeV [-10.476 MeV] (A_W:714)
184W74 + 2 D* --> 181Ta73 + 7Li3 + 14.098 MeV [-16.067 MeV] (A_W:715)
184W74 + 2 D* --> 184W74 + 4He2 + 23.847 MeV [-6.318 MeV] (A_W:716)
184W74 + 2 D* --> 187Re75 + 1H1 + 14.491 MeV [-15.673 MeV] (A_W:717)
184W74 + 2 D* --> 188Os76 + 21.701 MeV [-8.464 MeV] (A_W:718)

184W74 + 3 D* --> 176Yb70 + 14N7 + 44.331 MeV [-1.357 MeV] (A_W:719)
184W74 + 3 D* --> 179Hf72 + 11B5 + 35.504 MeV [-10.184 MeV] (A_W:720)
184W74 + 3 D* --> 180Hf72 + 10B5 + 31.438 MeV [-14.251 MeV] (A_W:721)
184W74 + 3 D* --> 181Ta73 + 9Be4 + 30.794 MeV [-14.894 MeV] (A_W:722)
184W74 + 3 D* --> 183W74 + 7Li3 + 25.159 MeV [-20.529 MeV] (A_W:723)
184W74 + 3 D* --> 184W74 + 6Li3 + 25.320 MeV [-20.368 MeV] (A_W:724)
184W74 + 3 D* --> 187Re75 + 3He2 + 19.984 MeV [-25.704 MeV] (A_W:725)
184W74 + 3 D* --> 188Os76 + 2H1 + 21.701 MeV [-23.988 MeV] (A_W:726)
184W74 + 3 D* --> 189Os76 + 1H1 + 25.396 MeV [-20.292 MeV] (A_W:727)

184W74 + 4 D* --> 170Er68 + 22Ne10 + 74.975 MeV [13.471 MeV] (A_W:728)
184W74 + 4 D* --> 174Yb70 + 18O8 + 64.567 MeV [3.063 MeV] (A_W:729)
184W74 + 4 D* --> 176Yb70 + 16O8 + 65.067 MeV [3.563 MeV] (A_W:730)

184W74 + 4 D* --> 179Hf72 + 13C6 + 54.183 MeV [-7.321 MeV] (A_W:731)
184W74 + 4 D* --> 180Hf72 + 12C6 + 56.624 MeV [-4.880 MeV] (A_W:732)
184W74 + 4 D* --> 181Ta73 + 11B5 + 46.609 MeV [-14.895 MeV] (A_W:733)
184W74 + 4 D* --> 183W74 + 9Be4 + 41.855 MeV [-19.649 MeV] (A_W:734)
184W74 + 4 D* --> 185Re75 + 7Li3 + 35.750 MeV [-25.754 MeV] (A_W:735)
184W74 + 4 D* --> 188Os76 + 4He2 + 45.547 MeV [-15.957 MeV] (A_W:736)
184W74 + 4 D* --> 189Os76 + 3He2 + 30.890 MeV [-30.614 MeV] (A_W:737)
184W74 + 4 D* --> 191Ir77 + 1H1 + 36.253 MeV [-25.251 MeV] (A_W:738)
184W74 + 4 D* --> 192Pt78 + 43.128 MeV [-18.375 MeV] (A_W:739)

184W74 + 5 D* --> 176Lu71 + 18O8 + 74.140 MeV [-3.470 MeV] (A_W:740)
184W74 + 5 D* --> 179Hf72 + 15N7 + 70.342 MeV [-7.268 MeV] (A_W:741)
184W74 + 5 D* --> 180Hf72 + 14N7 + 66.896 MeV [-10.714 MeV] (A_W:742)
184W74 + 5 D* --> 181Ta73 + 13C6 + 65.288 MeV [-12.322 MeV] (A_W:743)
184W74 + 5 D* --> 183W74 + 11B5 + 57.670 MeV [-19.939 MeV] (A_W:744)
184W74 + 5 D* --> 184W74 + 10B5 + 53.628 MeV [-23.982 MeV] (A_W:745)
184W74 + 5 D* --> 185Re75 + 9Be4 + 52.446 MeV [-25.164 MeV] (A_W:746)
184W74 + 5 D* --> 187Os76 + 7Li3 + 46.281 MeV [-31.328 MeV] (A_W:747)
184W74 + 5 D* --> 188Os76 + 6Li3 + 47.021 MeV [-30.589 MeV] (A_W:748)
184W74 + 5 D* --> 191Ir77 + 3He2 + 41.746 MeV [-35.863 MeV] (A_W:749)
184W74 + 5 D* --> 192Pt78 + 2H1 + 43.128 MeV [-34.481 MeV] (A_W:750)

184W74 + 6 D* --> 148Nd60 + 48Ca20 + 154.735 MeV [60.731 MeV] (A_W:751)
184W74 + 6 D* --> 150Nd60 + 46Ca20 + 149.932 MeV [55.928 MeV] (A_W:752)
184W74 + 6 D* --> 160Gd64 + 36S16 + 131.720 MeV [37.716 MeV] (A_W:753)
184W74 + 6 D* --> 170Er68 + 26Mg12 + 109.436 MeV [15.432 MeV] (A_W:754)
184W74 + 6 D* --> 174Yb70 + 22Ne10 + 98.081 MeV [4.078 MeV] (A_W:755)
184W74 + 6 D* --> 176Yb70 + 20Ne10 + 93.643 MeV [-0.361 MeV] (A_W:756)
184W74 + 6 D* --> 178Hf72 + 18O8 + 86.333 MeV [-7.671 MeV] (A_W:757)
184W74 + 6 D* --> 179Hf72 + 17O8 + 84.388 MeV [-9.616 MeV] (A_W:758)
184W74 + 6 D* --> 180Hf72 + 16O8 + 87.632 MeV [-6.371 MeV] (A_W:759)
184W74 + 6 D* --> 181Ta73 + 15N7 + 81.447 MeV [-12.557 MeV] (A_W:760)
184W74 + 6 D* --> 183W74 + 13C6 + 76.349 MeV [-17.655 MeV] (A_W:761)
184W74 + 6 D* --> 184W74 + 12C6 + 78.814 MeV [-15.189 MeV] (A_W:762)
184W74 + 6 D* --> 185Re75 + 11B5 + 68.261 MeV [-25.743 MeV] (A_W:763)
184W74 + 6 D* --> 187Os76 + 9Be4 + 62.978 MeV [-31.026 MeV] (A_W:764)
184W74 + 6 D* --> 192Pt78 + 4He2 + 66.975 MeV [-27.029 MeV] (A_W:765)
184W74 + 6 D* --> 196Hg80 + 64.934 MeV [-29.070 MeV] (A_W:766)

184W74 + 7 D* --> 176Lu71 + 22Ne10 + 107.655 MeV [-3.029 MeV] (A_W:767)
184W74 + 7 D* --> 179Hf72 + 19F9 + 98.202 MeV [-12.482 MeV] (A_W:768)
184W74 + 7 D* --> 180Ta73 + 18O8 + 95.960 MeV [-14.724 MeV] (A_W:769)
184W74 + 7 D* --> 181Ta73 + 17O8 + 95.493 MeV [-15.191 MeV] (A_W:770)
184W74 + 7 D* --> 183W74 + 15N7 + 92.508 MeV [-18.176 MeV] (A_W:771)
184W74 + 7 D* --> 184W74 + 14N7 + 89.087 MeV [-21.598 MeV] (A_W:772)
184W74 + 7 D* --> 185Re75 + 13C6 + 86.940 MeV [-23.744 MeV] (A_W:773)
184W74 + 7 D* --> 187Os76 + 11B5 + 78.793 MeV [-31.891 MeV] (A_W:774)
184W74 + 7 D* --> 188Os76 + 10B5 + 75.328 MeV [-35.356 MeV] (A_W:775)
184W74 + 7 D* --> 192Pt78 + 6Li3 + 68.449 MeV [-42.235 MeV] (A_W:776)
184W74 + 7 D* --> 196Hg80 + 2H1 + 64.934 MeV [-45.750 MeV] (A_W:777)

184W74 + 8 D* --> 124Sn50 + 76Ge32 + 220.828 MeV [93.179 MeV] (A_W:778)
184W74 + 8 D* --> 130Te52 + 70Zn30 + 216.295 MeV [88.646 MeV] (A_W:779)
184W74 + 8 D* --> 136Xe54 + 64Ni28 + 212.903 MeV [85.254 MeV] (A_W:780)

184W74 + 8 D* --> 150Nd60 + 50Ti22 + 184.495 MeV [56.846 MeV] (A_W:781)
184W74 + 8 D* --> 152Sm62 + 48Ca20 + 178.361 MeV [50.712 MeV] (A_W:782)
184W74 + 8 D* --> 154Sm62 + 46Ca20 + 174.975 MeV [47.326 MeV] (A_W:783)
184W74 + 8 D* --> 160Gd64 + 40Ar18 + 162.367 MeV [34.718 MeV] (A_W:784)
184W74 + 8 D* --> 164Dy66 + 36S16 + 156.016 MeV [28.367 MeV] (A_W:785)
184W74 + 8 D* --> 170Er68 + 30Si14 + 143.926 MeV [16.277 MeV] (A_W:786)
184W74 + 8 D* --> 174Yb70 + 26Mg12 + 132.543 MeV [4.894 MeV] (A_W:787)
184W74 + 8 D* --> 176Yb70 + 24Mg12 + 126.806 MeV [-0.843 MeV] (A_W:788)
184W74 + 8 D* --> 178Hf72 + 22Ne10 + 119.847 MeV [-7.802 MeV] (A_W:789)
184W74 + 8 D* --> 179Hf72 + 21Ne10 + 115.582 MeV [-12.067 MeV] (A_W:790)
184W74 + 8 D* --> 180Hf72 + 20Ne10 + 116.209 MeV [-11.440 MeV] (A_W:791)
184W74 + 8 D* --> 181Ta73 + 19F9 + 109.307 MeV [-18.342 MeV] (A_W:792)
184W74 + 8 D* --> 182W74 + 18O8 + 108.408 MeV [-19.242 MeV] (A_W:793)
184W74 + 8 D* --> 183W74 + 17O8 + 106.554 MeV [-21.095 MeV] (A_W:794)
184W74 + 8 D* --> 184W74 + 16O8 + 109.823 MeV [-17.826 MeV] (A_W:795)
184W74 + 8 D* --> 185Re75 + 15N7 + 103.099 MeV [-24.550 MeV] (A_W:796)
184W74 + 8 D* --> 187Os76 + 13C6 + 97.472 MeV [-30.177 MeV] (A_W:797)
184W74 + 8 D* --> 188Os76 + 12C6 + 100.515 MeV [-27.134 MeV] (A_W:798)
184W74 + 8 D* --> 196Hg80 + 4He2 + 88.780 MeV [-38.869 MeV] (A_W:799)

184W74 + 9 D* --> 176Lu71 + 26Mg12 + 142.116 MeV [-2.781 MeV] (A_W:800)
184W74 + 9 D* --> 179Hf72 + 23Na11 + 132.516 MeV [-12.381 MeV] (A_W:801)
184W74 + 9 D* --> 180Ta73 + 22Ne10 + 129.475 MeV [-15.422 MeV] (A_W:802)
184W74 + 9 D* --> 181Ta73 + 21Ne10 + 126.688 MeV [-18.209 MeV] (A_W:803)
184W74 + 9 D* --> 183W74 + 19F9 + 120.369 MeV [-24.528 MeV] (A_W:804)
184W74 + 9 D* --> 185Re75 + 17O8 + 117.145 MeV [-27.752 MeV] (A_W:805)
184W74 + 9 D* --> 187Os76 + 15N7 + 113.631 MeV [-31.266 MeV] (A_W:806)
184W74 + 9 D* --> 188Os76 + 14N7 + 110.787 MeV [-34.109 MeV] (A_W:807)
184W74 + 9 D* --> 192Pt78 + 10B5 + 96.756 MeV [-48.140 MeV] (A_W:808)
184W74 + 9 D* --> 196Hg80 + 6Li3 + 90.254 MeV [-54.643 MeV] (A_W:809)

184W74 + 10 D* --> 122Sn50 + 82Se34 + 253.190 MeV [90.765 MeV] (A_W:810)
184W74 + 10 D* --> 124Sn50 + 80Se34 + 251.647 MeV [89.221 MeV] (A_W:811)
184W74 + 10 D* --> 128Te52 + 76Ge32 + 247.855 MeV [85.430 MeV] (A_W:812)
184W74 + 10 D* --> 130Te52 + 74Ge32 + 246.424 MeV [83.998 MeV] (A_W:813)
184W74 + 10 D* --> 134Xe54 + 70Zn30 + 243.339 MeV [80.914 MeV] (A_W:814)
184W74 + 10 D* --> 136Xe54 + 68Zn30 + 242.082 MeV [79.657 MeV] (A_W:815)
184W74 + 10 D* --> 150Nd60 + 54Cr24 + 216.272 MeV [53.847 MeV] (A_W:816)
184W74 + 10 D* --> 154Sm62 + 50Ti22 + 209.538 MeV [47.113 MeV] (A_W:817)
184W74 + 10 D* --> 156Gd64 + 48Ca20 + 202.406 MeV [39.981 MeV] (A_W:818)
184W74 + 10 D* --> 158Gd64 + 46Ca20 + 199.482 MeV [37.056 MeV] (A_W:819)
184W74 + 10 D* --> 160Gd64 + 44Ca20 + 195.067 MeV [32.642 MeV] (A_W:820)
184W74 + 10 D* --> 164Dy66 + 40Ar18 + 186.663 MeV [24.238 MeV] (A_W:821)
184W74 + 10 D* --> 168Er68 + 36S16 + 179.311 MeV [16.885 MeV] (A_W:822)
184W74 + 10 D* --> 170Er68 + 34S16 + 175.696 MeV [13.271 MeV] (A_W:823)
184W74 + 10 D* --> 174Yb70 + 30Si14 + 167.032 MeV [4.607 MeV] (A_W:824)
184W74 + 10 D* --> 176Yb70 + 28Si14 + 160.637 MeV [-1.789 MeV] (A_W:825)
184W74 + 10 D* --> 178Hf72 + 26Mg12 + 154.309 MeV [-8.117 MeV] (A_W:826)
184W74 + 10 D* --> 179Hf72 + 25Mg12 + 149.315 MeV [-13.111 MeV] (A_W:827)
184W74 + 10 D* --> 180Hf72 + 24Mg12 + 149.372 MeV [-13.053 MeV] (A_W:828)
184W74 + 10 D* --> 181Ta73 + 23Na11 + 143.621 MeV [-18.804 MeV] (A_W:829)
184W74 + 10 D* --> 182W74 + 22Ne10 + 141.922 MeV [-20.503 MeV] (A_W:830)
184W74 + 10 D* --> 183W74 + 21Ne10 + 137.749 MeV [-24.677 MeV] (A_W:831)
184W74 + 10 D* --> 184W74 + 20Ne10 + 138.399 MeV [-24.026 MeV] (A_W:832)

184W74 + 10 D* --> 185Re75 + 19F9 + 130.959 MeV [-31.466 MeV] (A_W:833)
184W74 + 10 D* --> 186Os76 + 18O8 + 129.431 MeV [-32.994 MeV] (A_W:834)
184W74 + 10 D* --> 187Os76 + 17O8 + 127.677 MeV [-34.748 MeV] (A_W:835)
184W74 + 10 D* --> 188Os76 + 16O8 + 131.523 MeV [-30.902 MeV] (A_W:836)
184W74 + 10 D* --> 192Pt78 + 12C6 + 121.943 MeV [-40.483 MeV] (A_W:837)

184W74 + 11 D* --> 176Lu71 + 30Si14 + 176.606 MeV [-3.628 MeV] (A_W:838)
184W74 + 11 D* --> 179Hf72 + 27Al13 + 166.454 MeV [-13.779 MeV] (A_W:839)
184W74 + 11 D* --> 180Ta73 + 26Mg12 + 163.936 MeV [-16.297 MeV] (A_W:840)
184W74 + 11 D* --> 181Ta73 + 25Mg12 + 160.420 MeV [-19.813 MeV] (A_W:841)
184W74 + 11 D* --> 183W74 + 23Na11 + 154.683 MeV [-25.551 MeV] (A_W:842)
184W74 + 11 D* --> 185Re75 + 21Ne10 + 148.340 MeV [-31.894 MeV] (A_W:843)
184W74 + 11 D* --> 187Os76 + 19F9 + 141.491 MeV [-38.742 MeV] (A_W:844)
184W74 + 11 D* --> 192Pt78 + 14N7 + 132.215 MeV [-48.018 MeV] (A_W:845)
184W74 + 11 D* --> 196Hg80 + 10B5 + 118.562 MeV [-61.672 MeV] (A_W:846)

184W74 + 12 D* --> 122Sn50 + 86Kr36 + 285.133 MeV [86.814 MeV] (A_W:847)
184W74 + 12 D* --> 124Sn50 + 84Kr36 + 282.589 MeV [84.270 MeV] (A_W:848)
184W74 + 12 D* --> 126Te52 + 82Se34 + 279.580 MeV [81.261 MeV] (A_W:849)
184W74 + 12 D* --> 128Te52 + 80Se34 + 278.673 MeV [80.354 MeV] (A_W:850)
184W74 + 12 D* --> 130Te52 + 78Se34 + 276.299 MeV [77.980 MeV] (A_W:851)
184W74 + 12 D* --> 132Xe54 + 76Ge32 + 274.415 MeV [76.096 MeV] (A_W:852)
184W74 + 12 D* --> 134Xe54 + 74Ge32 + 273.468 MeV [75.149 MeV] (A_W:853)
184W74 + 12 D* --> 136Xe54 + 72Ge32 + 270.932 MeV [72.613 MeV] (A_W:854)
184W74 + 12 D* --> 138Ba56 + 70Zn30 + 269.748 MeV [71.428 MeV] (A_W:855)
184W74 + 12 D* --> 150Nd60 + 58Fe26 + 247.764 MeV [49.445 MeV] (A_W:856)
184W74 + 12 D* --> 154Sm62 + 54Cr24 + 241.316 MeV [42.996 MeV] (A_W:857)
184W74 + 12 D* --> 158Gd64 + 50Ti22 + 234.045 MeV [35.726 MeV] (A_W:858)
184W74 + 12 D* --> 160Gd64 + 48Ti22 + 228.358 MeV [30.038 MeV] (A_W:859)
184W74 + 12 D* --> 160Dy66 + 48Ca20 + 225.814 MeV [27.494 MeV] (A_W:860)
184W74 + 12 D* --> 162Dy66 + 46Ca20 + 223.243 MeV [24.924 MeV] (A_W:861)
184W74 + 12 D* --> 164Dy66 + 44Ca20 + 219.363 MeV [21.044 MeV] (A_W:862)
184W74 + 12 D* --> 168Er68 + 40Ar18 + 209.958 MeV [11.639 MeV] (A_W:863)
184W74 + 12 D* --> 170Er68 + 38Ar18 + 206.751 MeV [8.431 MeV] (A_W:864)
184W74 + 12 D* --> 172Yb70 + 36S16 + 201.846 MeV [3.526 MeV] (A_W:865)
184W74 + 12 D* --> 174Yb70 + 34S16 + 198.803 MeV [00.483 MeV] (A_W:866)
184W74 + 12 D* --> 176Yb70 + 32S16 + 191.431 MeV [-6.888 MeV] (A_W:867)
184W74 + 12 D* --> 178Hf72 + 30Si14 + 188.799 MeV [-9.521 MeV] (A_W:868)
184W74 + 12 D* --> 179Hf72 + 29Si14 + 184.288 MeV [-14.031 MeV] (A_W:869)
184W74 + 12 D* --> 180Hf72 + 28Si14 + 183.203 MeV [-15.117 MeV] (A_W:870)
184W74 + 12 D* --> 181Ta73 + 27Al13 + 177.560 MeV [-20.760 MeV] (A_W:871)
184W74 + 12 D* --> 182W74 + 26Mg12 + 176.383 MeV [-21.936 MeV] (A_W:872)
184W74 + 12 D* --> 183W74 + 25Mg12 + 171.481 MeV [-26.838 MeV] (A_W:873)
184W74 + 12 D* --> 184W74 + 24Mg12 + 171.562 MeV [-26.757 MeV] (A_W:874)
184W74 + 12 D* --> 185Re75 + 23Na11 + 165.273 MeV [-33.046 MeV] (A_W:875)
184W74 + 12 D* --> 186Os76 + 22Ne10 + 162.946 MeV [-35.374 MeV] (A_W:876)
184W74 + 12 D* --> 187Os76 + 21Ne10 + 158.871 MeV [-39.448 MeV] (A_W:877)
184W74 + 12 D* --> 188Os76 + 20Ne10 + 160.100 MeV [-38.220 MeV] (A_W:878)
184W74 + 12 D* --> 190Pt78 + 18O8 + 150.026 MeV [-48.293 MeV] (A_W:879)
184W74 + 12 D* --> 192Pt78 + 16O8 + 152.951 MeV [-45.368 MeV] (A_W:880)
184W74 + 12 D* --> 196Hg80 + 12C6 + 143.748 MeV [-54.571 MeV] (A_W:881)

186W74 + 2 D* --> 186W74 + 4He2 + 23.847 MeV [-6.211 MeV] (A_W:882)

186W74 + 2 D* --> 190Os76 + 22.468 MeV [-7.590 MeV] (A_W:883)

186W74 + 3 D* --> 186W74 + 6Li3 + 25.320 MeV [-20.209 MeV] (A_W:884)
186W74 + 3 D* --> 190Os76 + 2H1 + 22.468 MeV [-23.061 MeV] (A_W:885)

186W74 + 4 D* --> 176Yb70 + 18O8 + 64.309 MeV [3.017 MeV] (A_W:886)
186W74 + 4 D* --> 187Re75 + 7Li3 + 36.341 MeV [-24.951 MeV] (A_W:887)
186W74 + 4 D* --> 190Os76 + 4He2 + 46.315 MeV [-14.977 MeV] (A_W:888)
186W74 + 4 D* --> 193Ir77 + 1H1 + 37.278 MeV [-24.014 MeV] (A_W:889)
186W74 + 4 D* --> 194Pt78 + 44.796 MeV [-16.495 MeV] (A_W:890)

186W74 + 5 D* --> 186W74 + 10B5 + 53.628 MeV [-23.717 MeV] (A_W:891)
186W74 + 5 D* --> 187Re75 + 9Be4 + 53.037 MeV [-24.308 MeV] (A_W:892)
186W74 + 5 D* --> 189Os76 + 7Li3 + 47.246 MeV [-30.099 MeV] (A_W:893)
186W74 + 5 D* --> 190Os76 + 6Li3 + 47.789 MeV [-29.556 MeV] (A_W:894)
186W74 + 5 D* --> 193Ir77 + 3He2 + 42.772 MeV [-34.573 MeV] (A_W:895)
186W74 + 5 D* --> 194Pt78 + 2H1 + 44.796 MeV [-32.548 MeV] (A_W:896)
186W74 + 5 D* --> 195Pt78 + 1H1 + 48.677 MeV [-28.668 MeV] (A_W:897)

186W74 + 6 D* --> 150Nd60 + 48Ca20 + 154.209 MeV [60.522 MeV] (A_W:898)
186W74 + 6 D* --> 176Yb70 + 22Ne10 + 97.824 MeV [4.137 MeV] (A_W:899)
186W74 + 6 D* --> 180Hf72 + 18O8 + 86.875 MeV [-6.812 MeV] (A_W:900)
186W74 + 6 D* --> 186W74 + 12C6 + 78.814 MeV [-14.872 MeV] (A_W:901)
186W74 + 6 D* --> 187Re75 + 11B5 + 68.853 MeV [-24.834 MeV] (A_W:902)
186W74 + 6 D* --> 189Os76 + 9Be4 + 63.943 MeV [-29.744 MeV] (A_W:903)
186W74 + 6 D* --> 191Ir77 + 7Li3 + 58.103 MeV [-35.583 MeV] (A_W:904)
186W74 + 6 D* --> 194Pt78 + 4He2 + 68.643 MeV [-25.043 MeV] (A_W:905)
186W74 + 6 D* --> 195Pt78 + 3He2 + 54.170 MeV [-39.516 MeV] (A_W:906)
186W74 + 6 D* --> 197Au79 + 1H1 + 60.157 MeV [-33.529 MeV] (A_W:907)
186W74 + 6 D* --> 198Hg80 + 67.259 MeV [-26.427 MeV] (A_W:908)

186W74 + 7 D* --> 186W74 + 14N7 + 89.087 MeV [-21.227 MeV] (A_W:909)
186W74 + 7 D* --> 187Re75 + 13C6 + 87.531 MeV [-22.783 MeV] (A_W:910)
186W74 + 7 D* --> 189Os76 + 11B5 + 79.758 MeV [-30.556 MeV] (A_W:911)
186W74 + 7 D* --> 190Os76 + 10B5 + 76.096 MeV [-34.218 MeV] (A_W:912)
186W74 + 7 D* --> 191Ir77 + 9Be4 + 74.799 MeV [-35.515 MeV] (A_W:913)
186W74 + 7 D* --> 194Pt78 + 6Li3 + 70.117 MeV [-40.197 MeV] (A_W:914)
186W74 + 7 D* --> 197Au79 + 3He2 + 65.650 MeV [-44.664 MeV] (A_W:915)
186W74 + 7 D* --> 198Hg80 + 2H1 + 67.259 MeV [-43.055 MeV] (A_W:916)
186W74 + 7 D* --> 199Hg80 + 1H1 + 71.699 MeV [-38.615 MeV] (A_W:917)

186W74 + 8 D* --> 154Sm62 + 48Ca20 + 179.252 MeV [52.026 MeV] (A_W:918)
186W74 + 8 D* --> 176Yb70 + 26Mg12 + 132.285 MeV [5.059 MeV] (A_W:919)
186W74 + 8 D* --> 180Hf72 + 22Ne10 + 120.389 MeV [-6.837 MeV] (A_W:920)
186W74 + 8 D* --> 184W74 + 18O8 + 109.065 MeV [-18.161 MeV] (A_W:921)
186W74 + 8 D* --> 186W74 + 16O8 + 109.823 MeV [-17.404 MeV] (A_W:922)
186W74 + 8 D* --> 187Re75 + 15N7 + 103.691 MeV [-23.536 MeV] (A_W:923)
186W74 + 8 D* --> 189Os76 + 13C6 + 98.437 MeV [-28.790 MeV] (A_W:924)
186W74 + 8 D* --> 190Os76 + 12C6 + 101.283 MeV [-25.944 MeV] (A_W:925)
186W74 + 8 D* --> 191Ir77 + 11B5 + 90.615 MeV [-36.612 MeV] (A_W:926)
186W74 + 8 D* --> 198Hg80 + 4He2 + 91.106 MeV [-36.121 MeV] (A_W:927)
186W74 + 8 D* --> 199Hg80 + 3He2 + 77.192 MeV [-50.034 MeV] (A_W:928)

186W74 + 9 D* --> 187Re75 + 17O8 + 117.736 MeV [-26.685 MeV] (A_W:929)

186W74 + 9 D* --> 189Os76 + 15N7 + 114.596 MeV [-29.826 MeV] (A_W:930)
186W74 + 9 D* --> 190Os76 + 14N7 + 111.555 MeV [-32.867 MeV] (A_W:931)
186W74 + 9 D* --> 191Ir77 + 13C6 + 109.293 MeV [-35.128 MeV] (A_W:932)
186W74 + 9 D* --> 194Pt78 + 10B5 + 98.424 MeV [-45.997 MeV] (A_W:933)
186W74 + 9 D* --> 198Hg80 + 6Li3 + 92.580 MeV [-51.842 MeV] (A_W:934)

186W74 + 10 D* --> 124Sn50 + 82Se34 + 254.678 MeV [92.780 MeV] (A_W:935)
186W74 + 10 D* --> 130Te52 + 76Ge32 + 249.412 MeV [87.514 MeV] (A_W:936)
186W74 + 10 D* --> 136Xe54 + 70Zn30 + 244.837 MeV [82.939 MeV] (A_W:937)
186W74 + 10 D* --> 158Gd64 + 48Ca20 + 203.759 MeV [41.861 MeV] (A_W:938)
186W74 + 10 D* --> 160Gd64 + 46Ca20 + 199.931 MeV [38.033 MeV] (A_W:939)
186W74 + 10 D* --> 170Er68 + 36S16 + 179.626 MeV [17.728 MeV] (A_W:940)
186W74 + 10 D* --> 176Yb70 + 30Si14 + 166.775 MeV [4.877 MeV] (A_W:941)
186W74 + 10 D* --> 180Hf72 + 26Mg12 + 154.851 MeV [-7.047 MeV] (A_W:942)
186W74 + 10 D* --> 184W74 + 22Ne10 + 142.580 MeV [-19.318 MeV] (A_W:943)
186W74 + 10 D* --> 186W74 + 20Ne10 + 138.399 MeV [-23.499 MeV] (A_W:944)
186W74 + 10 D* --> 187Re75 + 19F9 + 131.551 MeV [-30.347 MeV] (A_W:945)
186W74 + 10 D* --> 188Os76 + 18O8 + 130.766 MeV [-31.132 MeV] (A_W:946)
186W74 + 10 D* --> 189Os76 + 17O8 + 128.642 MeV [-33.256 MeV] (A_W:947)
186W74 + 10 D* --> 190Os76 + 16O8 + 132.291 MeV [-29.607 MeV] (A_W:948)
186W74 + 10 D* --> 191Ir77 + 15N7 + 125.453 MeV [-36.445 MeV] (A_W:949)
186W74 + 10 D* --> 194Pt78 + 12C6 + 123.611 MeV [-38.287 MeV] (A_W:950)

186W74 + 11 D* --> 187Re75 + 21Ne10 + 148.931 MeV [-30.723 MeV] (A_W:951)
186W74 + 11 D* --> 189Os76 + 19F9 + 142.456 MeV [-37.198 MeV] (A_W:952)
186W74 + 11 D* --> 191Ir77 + 17O8 + 139.499 MeV [-40.155 MeV] (A_W:953)
186W74 + 11 D* --> 194Pt78 + 14N7 + 133.883 MeV [-45.771 MeV] (A_W:954)
186W74 + 11 D* --> 198Hg80 + 10B5 + 120.887 MeV [-58.767 MeV] (A_W:955)

186W74 + 12 D* --> 124Sn50 + 86Kr36 + 286.621 MeV [88.934 MeV] (A_W:956)
186W74 + 12 D* --> 128Te52 + 82Se34 + 281.705 MeV [84.018 MeV] (A_W:957)
186W74 + 12 D* --> 130Te52 + 80Se34 + 280.230 MeV [82.543 MeV] (A_W:958)
186W74 + 12 D* --> 134Xe54 + 76Ge32 + 276.457 MeV [78.769 MeV] (A_W:959)
186W74 + 12 D* --> 136Xe54 + 74Ge32 + 274.967 MeV [77.279 MeV] (A_W:960)
186W74 + 12 D* --> 160Gd64 + 50Ti22 + 234.494 MeV [36.807 MeV] (A_W:961)
186W74 + 12 D* --> 162Dy66 + 48Ca20 + 227.520 MeV [29.832 MeV] (A_W:962)
186W74 + 12 D* --> 164Dy66 + 46Ca20 + 224.227 MeV [26.540 MeV] (A_W:963)
186W74 + 12 D* --> 170Er68 + 40Ar18 + 210.274 MeV [12.586 MeV] (A_W:964)
186W74 + 12 D* --> 174Yb70 + 36S16 + 202.733 MeV [5.045 MeV] (A_W:965)
186W74 + 12 D* --> 176Yb70 + 34S16 + 198.545 MeV [00.857 MeV] (A_W:966)
186W74 + 12 D* --> 180Hf72 + 30Si14 + 189.340 MeV [-8.347 MeV] (A_W:967)
186W74 + 12 D* --> 184W74 + 26Mg12 + 177.041 MeV [-20.647 MeV] (A_W:968)
186W74 + 12 D* --> 186W74 + 24Mg12 + 171.562 MeV [-26.125 MeV] (A_W:969)
186W74 + 12 D* --> 187Re75 + 23Na11 + 165.865 MeV [-31.823 MeV] (A_W:970)
186W74 + 12 D* --> 188Os76 + 22Ne10 + 164.280 MeV [-33.407 MeV] (A_W:971)
186W74 + 12 D* --> 189Os76 + 21Ne10 + 159.836 MeV [-37.851 MeV] (A_W:972)
186W74 + 12 D* --> 190Os76 + 20Ne10 + 160.867 MeV [-36.820 MeV] (A_W:973)
186W74 + 12 D* --> 191Ir77 + 19F9 + 153.313 MeV [-44.375 MeV] (A_W:974)
186W74 + 12 D* --> 192Pt78 + 18O8 + 152.194 MeV [-45.494 MeV] (A_W:975)
186W74 + 12 D* --> 194Pt78 + 16O8 + 154.619 MeV [-43.068 MeV] (A_W:976)
186W74 + 12 D* --> 198Hg80 + 12C6 + 146.074 MeV [-51.614 MeV] (A_W:977)

---------- Equations follow for Rhenium, Re, element 75 ----------

Report A - Energetically Feasible Aneutronic X + n D* --> Y + Z Reactions, n = 1 to 12
Creating Stable Isotopes Y and Z With No Weak Reactions

185Re75 + D* --> 170Er68 + 17O8 + 30.237 MeV [15.128 MeV] (A_Re:1)
185Re75 + D* --> 174Yb70 + 13C6 + 23.138 MeV [8.029 MeV] (A_Re:2)
185Re75 + D* --> 176Lu71 + 11B5 + 14.033 MeV [-1.076 MeV] (A_Re:3)
185Re75 + D* --> 178Hf72 + 9Be4 + 10.410 MeV [-4.699 MeV] (A_Re:4)
185Re75 + D* --> 180Ta73 + 7Li3 + 3.342 MeV [-11.767 MeV] (A_Re:5)
185Re75 + D* --> 181Ta73 + 6Li3 + 3.668 MeV [-11.441 MeV] (A_Re:6)
185Re75 + D* --> 183W74 + 4He2 + 13.256 MeV [-1.853 MeV] (A_Re:7)
185Re75 + D* --> 184W74 + 3He2 + 00.090 MeV [-15.019 MeV] (A_Re:8)
185Re75 + D* --> 187Os76 + 10.532 MeV [-4.577 MeV] (A_Re:9)

185Re75 + 2 D* --> 170Er68 + 19F9 + 44.051 MeV [13.539 MeV] (A_Re:10)
185Re75 + 2 D* --> 174Yb70 + 15N7 + 39.297 MeV [8.785 MeV] (A_Re:11)
185Re75 + 2 D* --> 176Lu71 + 13C6 + 32.712 MeV [2.199 MeV] (A_Re:12)
185Re75 + 2 D* --> 178Hf72 + 11B5 + 26.226 MeV [-4.287 MeV] (A_Re:13)
185Re75 + 2 D* --> 179Hf72 + 10B5 + 20.870 MeV [-9.642 MeV] (A_Re:14)
185Re75 + 2 D* --> 180Ta73 + 9Be4 + 20.038 MeV [-10.474 MeV] (A_Re:15)
185Re75 + 2 D* --> 182W74 + 7Li3 + 15.789 MeV [-14.724 MeV] (A_Re:16)
185Re75 + 2 D* --> 183W74 + 6Li3 + 14.730 MeV [-15.783 MeV] (A_Re:17)
185Re75 + 2 D* --> 185Re75 + 4He2 + 23.847 MeV [-6.666 MeV] (A_Re:18)
185Re75 + 2 D* --> 187Os76 + 2H1 + 10.532 MeV [-19.981 MeV] (A_Re:19)
185Re75 + 2 D* --> 188Os76 + 1H1 + 16.297 MeV [-14.216 MeV] (A_Re:20)

185Re75 + 3 D* --> 170Er68 + 21Ne10 + 61.431 MeV [15.223 MeV] (A_Re:21)
185Re75 + 3 D* --> 173Yb70 + 18O8 + 53.923 MeV [7.715 MeV] (A_Re:22)
185Re75 + 3 D* --> 174Yb70 + 17O8 + 53.343 MeV [7.135 MeV] (A_Re:23)
185Re75 + 3 D* --> 176Lu71 + 15N7 + 48.871 MeV [2.663 MeV] (A_Re:24)
185Re75 + 3 D* --> 178Hf72 + 13C6 + 44.904 MeV [-1.304 MeV] (A_Re:25)
185Re75 + 3 D* --> 179Hf72 + 12C6 + 46.057 MeV [-0.151 MeV] (A_Re:26)
185Re75 + 3 D* --> 180Ta73 + 11B5 + 35.853 MeV [-10.355 MeV] (A_Re:27)
185Re75 + 3 D* --> 181Ta73 + 10B5 + 31.976 MeV [-14.232 MeV] (A_Re:28)
185Re75 + 3 D* --> 182W74 + 9Be4 + 32.485 MeV [-13.723 MeV] (A_Re:29)
185Re75 + 3 D* --> 185Re75 + 6Li3 + 25.320 MeV [-20.888 MeV] (A_Re:30)
185Re75 + 3 D* --> 187Os76 + 4He2 + 34.378 MeV [-11.830 MeV] (A_Re:31)
185Re75 + 3 D* --> 188Os76 + 3He2 + 21.790 MeV [-24.418 MeV] (A_Re:32)

185Re75 + 4 D* --> 170Er68 + 23Na11 + 78.365 MeV [16.170 MeV] (A_Re:33)
185Re75 + 4 D* --> 174Yb70 + 19F9 + 67.158 MeV [4.963 MeV] (A_Re:34)
185Re75 + 4 D* --> 175Lu71 + 18O8 + 64.673 MeV [2.478 MeV] (A_Re:35)
185Re75 + 4 D* --> 176Lu71 + 17O8 + 62.917 MeV [00.722 MeV] (A_Re:36)
185Re75 + 4 D* --> 178Hf72 + 15N7 + 61.064 MeV [-1.131 MeV] (A_Re:37)
185Re75 + 4 D* --> 179Hf72 + 14N7 + 56.329 MeV [-5.866 MeV] (A_Re:38)
185Re75 + 4 D* --> 180Ta73 + 13C6 + 54.532 MeV [-7.663 MeV] (A_Re:39)
185Re75 + 4 D* --> 181Ta73 + 12C6 + 57.162 MeV [-5.033 MeV] (A_Re:40)
185Re75 + 4 D* --> 182W74 + 11B5 + 48.300 MeV [-13.895 MeV] (A_Re:41)
185Re75 + 4 D* --> 183W74 + 10B5 + 43.037 MeV [-19.158 MeV] (A_Re:42)
185Re75 + 4 D* --> 186Os76 + 7Li3 + 36.812 MeV [-25.383 MeV] (A_Re:43)
185Re75 + 4 D* --> 187Os76 + 6Li3 + 35.852 MeV [-26.343 MeV] (A_Re:44)
185Re75 + 4 D* --> 192Pt78 + 1H1 + 37.725 MeV [-24.470 MeV] (A_Re:45)

185Re75 + 5 D* --> 170Er68 + 25Mg12 + 95.164 MeV [16.694 MeV] (A_Re:46)
185Re75 + 5 D* --> 173Yb70 + 22Ne10 + 87.437 MeV [8.967 MeV] (A_Re:47)
185Re75 + 5 D* --> 174Yb70 + 21Ne10 + 84.538 MeV [6.068 MeV] (A_Re:48)
185Re75 + 5 D* --> 176Lu71 + 19F9 + 76.731 MeV [-1.739 MeV] (A_Re:49)
185Re75 + 5 D* --> 177Hf72 + 18O8 + 75.528 MeV [-2.943 MeV] (A_Re:50)

185Re75 + 5 D* --> 178Hf72 + 17O8 + 75.110 MeV [-3.361 MeV] (A_Re:51)
185Re75 + 5 D* --> 179Hf72 + 16O8 + 77.065 MeV [-1.405 MeV] (A_Re:52)
185Re75 + 5 D* --> 180Ta73 + 15N7 + 70.691 MeV [-7.779 MeV] (A_Re:53)
185Re75 + 5 D* --> 181Ta73 + 14N7 + 67.435 MeV [-11.036 MeV] (A_Re:54)
185Re75 + 5 D* --> 182W74 + 13C6 + 66.979 MeV [-11.491 MeV] (A_Re:55)
185Re75 + 5 D* --> 183W74 + 12C6 + 68.223 MeV [-10.247 MeV] (A_Re:56)
185Re75 + 5 D* --> 185Re75 + 10B5 + 53.628 MeV [-24.842 MeV] (A_Re:57)
185Re75 + 5 D* --> 186Os76 + 9Be4 + 53.508 MeV [-24.962 MeV] (A_Re:58)
185Re75 + 5 D* --> 192Pt78 + 3He2 + 43.218 MeV [-35.252 MeV] (A_Re:59)

185Re75 + 6 D* --> 160Gd64 + 37Cl17 + 134.702 MeV [39.670 MeV] (A_Re:60)
185Re75 + 6 D* --> 170Er68 + 27Al13 + 112.303 MeV [17.271 MeV] (A_Re:61)
185Re75 + 6 D* --> 174Yb70 + 23Na11 + 101.472 MeV [6.439 MeV] (A_Re:62)
185Re75 + 6 D* --> 175Lu71 + 22Ne10 + 98.188 MeV [3.155 MeV] (A_Re:63)
185Re75 + 6 D* --> 176Lu71 + 21Ne10 + 94.111 MeV [-0.921 MeV] (A_Re:64)
185Re75 + 6 D* --> 178Hf72 + 19F9 + 88.924 MeV [-6.109 MeV] (A_Re:65)
185Re75 + 6 D* --> 180Ta73 + 17O8 + 84.737 MeV [-10.295 MeV] (A_Re:66)
185Re75 + 6 D* --> 181Ta73 + 16O8 + 88.171 MeV [-6.862 MeV] (A_Re:67)
185Re75 + 6 D* --> 182W74 + 15N7 + 83.138 MeV [-11.894 MeV] (A_Re:68)
185Re75 + 6 D* --> 183W74 + 14N7 + 78.496 MeV [-16.537 MeV] (A_Re:69)
185Re75 + 6 D* --> 185Re75 + 12C6 + 78.814 MeV [-16.218 MeV] (A_Re:70)
185Re75 + 6 D* --> 186Os76 + 11B5 + 69.324 MeV [-25.709 MeV] (A_Re:71)
185Re75 + 6 D* --> 187Os76 + 10B5 + 64.160 MeV [-30.873 MeV] (A_Re:72)
185Re75 + 6 D* --> 190Pt78 + 7Li3 + 57.407 MeV [-37.625 MeV] (A_Re:73)
185Re75 + 6 D* --> 196Hg80 + 1H1 + 59.530 MeV [-35.502 MeV] (A_Re:74)

185Re75 + 7 D* --> 150Nd60 + 49Ti22 + 170.376 MeV [58.497 MeV] (A_Re:75)
185Re75 + 7 D* --> 163Dy66 + 36S16 + 145.178 MeV [33.299 MeV] (A_Re:76)
185Re75 + 7 D* --> 170Er68 + 29Si14 + 130.138 MeV [18.258 MeV] (A_Re:77)
185Re75 + 7 D* --> 173Yb70 + 26Mg12 + 121.899 MeV [10.019 MeV] (A_Re:78)
185Re75 + 7 D* --> 174Yb70 + 25Mg12 + 118.270 MeV [6.391 MeV] (A_Re:79)
185Re75 + 7 D* --> 176Lu71 + 23Na11 + 111.045 MeV [-0.835 MeV] (A_Re:80)
185Re75 + 7 D* --> 177Hf72 + 22Ne10 + 109.042 MeV [-2.837 MeV] (A_Re:81)
185Re75 + 7 D* --> 178Hf72 + 21Ne10 + 106.304 MeV [-5.576 MeV] (A_Re:82)
185Re75 + 7 D* --> 179Hf72 + 20Ne10 + 105.642 MeV [-6.238 MeV] (A_Re:83)
185Re75 + 7 D* --> 180Ta73 + 19F9 + 98.551 MeV [-13.328 MeV] (A_Re:84)
185Re75 + 7 D* --> 182W74 + 17O8 + 97.184 MeV [-14.695 MeV] (A_Re:85)
185Re75 + 7 D* --> 183W74 + 16O8 + 99.232 MeV [-12.648 MeV] (A_Re:86)
185Re75 + 7 D* --> 185Re75 + 14N7 + 89.087 MeV [-22.793 MeV] (A_Re:87)
185Re75 + 7 D* --> 186Os76 + 13C6 + 88.002 MeV [-23.877 MeV] (A_Re:88)
185Re75 + 7 D* --> 187Os76 + 12C6 + 89.346 MeV [-22.534 MeV] (A_Re:89)
185Re75 + 7 D* --> 190Pt78 + 9Be4 + 74.104 MeV [-37.776 MeV] (A_Re:90)
185Re75 + 7 D* --> 196Hg80 + 3He2 + 65.023 MeV [-46.856 MeV] (A_Re:91)

185Re75 + 8 D* --> 130Te52 + 71Ga31 + 218.755 MeV [89.745 MeV] (A_Re:92)
185Re75 + 8 D* --> 136Xe54 + 65Cu29 + 214.952 MeV [85.942 MeV] (A_Re:93)
185Re75 + 8 D* --> 150Nd60 + 51V23 + 187.155 MeV [58.144 MeV] (A_Re:94)
185Re75 + 8 D* --> 153Eu63 + 48Ca20 + 178.851 MeV [49.841 MeV] (A_Re:95)
185Re75 + 8 D* --> 160Gd64 + 41K19 + 164.771 MeV [35.761 MeV] (A_Re:96)
185Re75 + 8 D* --> 164Dy66 + 37Cl17 + 158.998 MeV [29.988 MeV] (A_Re:97)
185Re75 + 8 D* --> 165Ho67 + 36S16 + 156.832 MeV [27.822 MeV] (A_Re:98)
185Re75 + 8 D* --> 170Er68 + 31P15 + 145.819 MeV [16.809 MeV] (A_Re:99)
185Re75 + 8 D* --> 174Yb70 + 27Al13 + 135.410 MeV [6.400 MeV] (A_Re:100)
185Re75 + 8 D* --> 175Lu71 + 26Mg12 + 132.649 MeV [3.639 MeV] (A_Re:101)

185Re75 + 8 D* --> 176Lu71 + 25Mg12 + 127.844 MeV [-1.166 MeV] (A_Re:102)
185Re75 + 8 D* --> 178Hf72 + 23Na11 + 123.238 MeV [-5.773 MeV] (A_Re:103)
185Re75 + 8 D* --> 180Ta73 + 21Ne10 + 115.932 MeV [-13.079 MeV] (A_Re:104)
185Re75 + 8 D* --> 181Ta73 + 20Ne10 + 116.747 MeV [-12.263 MeV] (A_Re:105)
185Re75 + 8 D* --> 182W74 + 19F9 + 110.999 MeV [-18.012 MeV] (A_Re:106)
185Re75 + 8 D* --> 185Re75 + 16O8 + 109.823 MeV [-19.187 MeV] (A_Re:107)
185Re75 + 8 D* --> 186Os76 + 15N7 + 104.162 MeV [-24.849 MeV] (A_Re:108)
185Re75 + 8 D* --> 187Os76 + 14N7 + 99.618 MeV [-29.392 MeV] (A_Re:109)
185Re75 + 8 D* --> 190Pt78 + 11B5 + 89.919 MeV [-39.091 MeV] (A_Re:110)

185Re75 + 9 D* --> 130Te52 + 73Ge32 + 233.048 MeV [86.626 MeV] (A_Re:111)
185Re75 + 9 D* --> 136Xe54 + 67Zn30 + 228.705 MeV [82.282 MeV] (A_Re:112)
185Re75 + 9 D* --> 150Nd60 + 53Cr24 + 203.374 MeV [56.951 MeV] (A_Re:113)
185Re75 + 9 D* --> 154Sm62 + 49Ti22 + 195.420 MeV [48.997 MeV] (A_Re:114)
185Re75 + 9 D* --> 155Gd64 + 48Ca20 + 190.691 MeV [44.268 MeV] (A_Re:115)
185Re75 + 9 D* --> 157Gd64 + 46Ca20 + 188.365 MeV [41.943 MeV] (A_Re:116)
185Re75 + 9 D* --> 160Gd64 + 43Ca20 + 180.757 MeV [34.334 MeV] (A_Re:117)
185Re75 + 9 D* --> 163Dy66 + 40Ar18 + 175.826 MeV [29.403 MeV] (A_Re:118)
185Re75 + 9 D* --> 167Er68 + 36S16 + 168.360 MeV [21.938 MeV] (A_Re:119)
185Re75 + 9 D* --> 170Er68 + 33S16 + 161.100 MeV [14.677 MeV] (A_Re:120)
185Re75 + 9 D* --> 173Yb70 + 30Si14 + 156.389 MeV [9.966 MeV] (A_Re:121)
185Re75 + 9 D* --> 174Yb70 + 29Si14 + 153.244 MeV [6.822 MeV] (A_Re:122)
185Re75 + 9 D* --> 176Lu71 + 27Al13 + 144.983 MeV [-1.439 MeV] (A_Re:123)
185Re75 + 9 D* --> 177Hf72 + 26Mg12 + 143.504 MeV [-2.919 MeV] (A_Re:124)
185Re75 + 9 D* --> 178Hf72 + 25Mg12 + 140.036 MeV [-6.386 MeV] (A_Re:125)
185Re75 + 9 D* --> 179Hf72 + 24Mg12 + 138.805 MeV [-7.618 MeV] (A_Re:126)
185Re75 + 9 D* --> 180Ta73 + 23Na11 + 132.865 MeV [-13.557 MeV] (A_Re:127)
185Re75 + 9 D* --> 182W74 + 21Ne10 + 128.379 MeV [-18.044 MeV] (A_Re:128)
185Re75 + 9 D* --> 183W74 + 20Ne10 + 127.808 MeV [-18.614 MeV] (A_Re:129)
185Re75 + 9 D* --> 186Os76 + 17O8 + 118.208 MeV [-28.215 MeV] (A_Re:130)
185Re75 + 9 D* --> 187Os76 + 16O8 + 120.355 MeV [-26.068 MeV] (A_Re:131)
185Re75 + 9 D* --> 190Pt78 + 13C6 + 108.598 MeV [-37.825 MeV] (A_Re:132)

185Re75 + 10 D* --> 124Sn50 + 81Br35 + 253.747 MeV [89.632 MeV] (A_Re:133)
185Re75 + 10 D* --> 123Sb51 + 82Se34 + 254.353 MeV [90.239 MeV] (A_Re:134)
185Re75 + 10 D* --> 130Te52 + 75As33 + 247.919 MeV [83.804 MeV] (A_Re:135)
185Re75 + 10 D* --> 134Xe54 + 71Ga31 + 245.800 MeV [81.685 MeV] (A_Re:136)
185Re75 + 10 D* --> 136Xe54 + 69Ga31 + 243.288 MeV [79.173 MeV] (A_Re:137)
185Re75 + 10 D* --> 150Nd60 + 55Mn25 + 218.935 MeV [54.821 MeV] (A_Re:138)
185Re75 + 10 D* --> 154Sm62 + 51V23 + 212.198 MeV [48.083 MeV] (A_Re:139)
185Re75 + 10 D* --> 160Gd64 + 45Sc21 + 196.551 MeV [32.437 MeV] (A_Re:140)
185Re75 + 10 D* --> 159Tb65 + 46Ca20 + 200.209 MeV [36.095 MeV] (A_Re:141)
185Re75 + 10 D* --> 164Dy66 + 41K19 + 189.067 MeV [24.953 MeV] (A_Re:142)
185Re75 + 10 D* --> 165Ho67 + 40Ar18 + 187.480 MeV [23.365 MeV] (A_Re:143)
185Re75 + 10 D* --> 168Er68 + 37Cl17 + 182.293 MeV [18.179 MeV] (A_Re:144)
185Re75 + 10 D* --> 170Er68 + 35Cl17 + 176.663 MeV [12.549 MeV] (A_Re:145)
185Re75 + 10 D* --> 169Tm69 + 36S16 + 179.479 MeV [15.365 MeV] (A_Re:146)
185Re75 + 10 D* --> 174Yb70 + 31P15 + 168.926 MeV [4.811 MeV] (A_Re:147)
185Re75 + 10 D* --> 175Lu71 + 30Si14 + 167.139 MeV [3.024 MeV] (A_Re:148)
185Re75 + 10 D* --> 176Lu71 + 29Si14 + 162.817 MeV [-1.297 MeV] (A_Re:149)
185Re75 + 10 D* --> 178Hf72 + 27Al13 + 157.176 MeV [-6.939 MeV] (A_Re:150)
185Re75 + 10 D* --> 180Ta73 + 25Mg12 + 149.664 MeV [-14.450 MeV] (A_Re:151)
185Re75 + 10 D* --> 181Ta73 + 24Mg12 + 149.910 MeV [-14.204 MeV] (A_Re:152)
185Re75 + 10 D* --> 182W74 + 23Na11 + 145.312 MeV [-18.802 MeV] (A_Re:153)

185Re75 + 10 D* --> 185Re75 + 20Ne10 + 138.399 MeV [-25.715 MeV] (A_Re:154)
185Re75 + 10 D* --> 186Os76 + 19F9 + 132.022 MeV [-32.093 MeV] (A_Re:155)
185Re75 + 10 D* --> 190Pt78 + 15N7 + 124.757 MeV [-39.358 MeV] (A_Re:156)

185Re75 + 11 D* --> 124Sn50 + 83Kr36 + 268.889 MeV [86.804 MeV] (A_Re:157)
185Re75 + 11 D* --> 125Te52 + 82Se34 + 267.287 MeV [85.202 MeV] (A_Re:158)
185Re75 + 11 D* --> 130Te52 + 77Se34 + 262.622 MeV [80.537 MeV] (A_Re:159)
185Re75 + 11 D* --> 131Xe54 + 76Ge32 + 262.299 MeV [80.214 MeV] (A_Re:160)
185Re75 + 11 D* --> 134Xe54 + 73Ge32 + 260.093 MeV [78.008 MeV] (A_Re:161)
185Re75 + 11 D* --> 137Ba56 + 70Zn30 + 257.957 MeV [75.872 MeV] (A_Re:162)
185Re75 + 11 D* --> 150Nd60 + 57Fe26 + 234.541 MeV [52.456 MeV] (A_Re:163)
185Re75 + 11 D* --> 154Sm62 + 53Cr24 + 228.417 MeV [46.332 MeV] (A_Re:164)
185Re75 + 11 D* --> 157Gd64 + 50Ti22 + 222.928 MeV [40.843 MeV] (A_Re:165)
185Re75 + 11 D* --> 158Gd64 + 49Ti22 + 219.926 MeV [37.841 MeV] (A_Re:166)
185Re75 + 11 D* --> 160Gd64 + 47Ti22 + 213.552 MeV [31.467 MeV] (A_Re:167)
185Re75 + 11 D* --> 161Dy66 + 46Ca20 + 211.867 MeV [29.782 MeV] (A_Re:168)
185Re75 + 11 D* --> 163Dy66 + 44Ca20 + 208.526 MeV [26.441 MeV] (A_Re:169)
185Re75 + 11 D* --> 164Dy66 + 43Ca20 + 205.053 MeV [22.968 MeV] (A_Re:170)
185Re75 + 11 D* --> 167Er68 + 40Ar18 + 199.007 MeV [16.922 MeV] (A_Re:171)
185Re75 + 11 D* --> 171Yb70 + 36S16 + 190.647 MeV [8.562 MeV] (A_Re:172)
185Re75 + 11 D* --> 173Yb70 + 34S16 + 188.159 MeV [6.074 MeV] (A_Re:173)
185Re75 + 11 D* --> 174Yb70 + 33S16 + 184.206 MeV [2.121 MeV] (A_Re:174)
185Re75 + 11 D* --> 176Lu71 + 31P15 + 178.499 MeV [-3.586 MeV] (A_Re:175)
185Re75 + 11 D* --> 177Hf72 + 30Si14 + 177.993 MeV [-4.092 MeV] (A_Re:176)
185Re75 + 11 D* --> 178Hf72 + 29Si14 + 175.010 MeV [-7.075 MeV] (A_Re:177)
185Re75 + 11 D* --> 179Hf72 + 28Si14 + 172.636 MeV [-9.449 MeV] (A_Re:178)
185Re75 + 11 D* --> 180Ta73 + 27Al13 + 166.804 MeV [-15.281 MeV] (A_Re:179)
185Re75 + 11 D* --> 182W74 + 25Mg12 + 162.111 MeV [-19.974 MeV] (A_Re:180)
185Re75 + 11 D* --> 183W74 + 24Mg12 + 160.971 MeV [-21.114 MeV] (A_Re:181)
185Re75 + 11 D* --> 186Os76 + 21Ne10 + 149.402 MeV [-32.683 MeV] (A_Re:182)
185Re75 + 11 D* --> 187Os76 + 20Ne10 + 148.931 MeV [-33.154 MeV] (A_Re:183)
185Re75 + 11 D* --> 190Pt78 + 17O8 + 138.803 MeV [-43.282 MeV] (A_Re:184)

185Re75 + 12 D* --> 122Sn50 + 87Rb37 + 288.350 MeV [88.018 MeV] (A_Re:185)
185Re75 + 12 D* --> 124Sn50 + 85Rb37 + 284.211 MeV [83.879 MeV] (A_Re:186)
185Re75 + 12 D* --> 123Sb51 + 86Kr36 + 286.296 MeV [85.964 MeV] (A_Re:187)
185Re75 + 12 D* --> 128Te52 + 81Br35 + 280.773 MeV [80.442 MeV] (A_Re:188)
185Re75 + 12 D* --> 130Te52 + 79Br35 + 277.226 MeV [76.895 MeV] (A_Re:189)
185Re75 + 12 D* --> 127I53 + 82Se34 + 280.384 MeV [80.052 MeV] (A_Re:190)
185Re75 + 12 D* --> 134Xe54 + 75As33 + 274.963 MeV [74.632 MeV] (A_Re:191)
185Re75 + 12 D* --> 133Cs55 + 76Ge32 + 275.091 MeV [74.759 MeV] (A_Re:192)
185Re75 + 12 D* --> 138Ba56 + 71Ga31 + 272.208 MeV [71.876 MeV] (A_Re:193)
185Re75 + 12 D* --> 139La57 + 70Zn30 + 270.603 MeV [70.271 MeV] (A_Re:194)
185Re75 + 12 D* --> 150Nd60 + 59Co27 + 249.725 MeV [49.393 MeV] (A_Re:195)
185Re75 + 12 D* --> 154Sm62 + 55Mn25 + 243.979 MeV [43.647 MeV] (A_Re:196)
185Re75 + 12 D* --> 158Gd64 + 51V23 + 236.705 MeV [36.373 MeV] (A_Re:197)
185Re75 + 12 D* --> 159Tb65 + 50Ti22 + 234.772 MeV [34.440 MeV] (A_Re:198)
185Re75 + 12 D* --> 164Dy66 + 45Sc21 + 220.848 MeV [20.516 MeV] (A_Re:199)
185Re75 + 12 D* --> 165Ho67 + 44Ca20 + 220.180 MeV [19.848 MeV] (A_Re:200)
185Re75 + 12 D* --> 168Er68 + 41K19 + 212.362 MeV [12.030 MeV] (A_Re:201)
185Re75 + 12 D* --> 170Er68 + 39K19 + 207.728 MeV [7.396 MeV] (A_Re:202)
185Re75 + 12 D* --> 169Tm69 + 40Ar18 + 210.126 MeV [9.794 MeV] (A_Re:203)
185Re75 + 12 D* --> 172Yb70 + 37Cl17 + 204.828 MeV [4.496 MeV] (A_Re:204)
185Re75 + 12 D* --> 174Yb70 + 35Cl17 + 199.770 MeV [-0.562 MeV] (A_Re:205)

185Re75 + 12 D* --> 175Lu71 + 34S16 + 198.909 MeV [-1.423 MeV] (A_Re:206)
185Re75 + 12 D* --> 176Lu71 + 33S16 + 193.780 MeV [-6.552 MeV] (A_Re:207)
185Re75 + 12 D* --> 178Hf72 + 31P15 + 190.692 MeV [-9.640 MeV] (A_Re:208)
185Re75 + 12 D* --> 180Ta73 + 29Si14 + 184.638 MeV [-15.694 MeV] (A_Re:209)
185Re75 + 12 D* --> 181Ta73 + 28Si14 + 183.741 MeV [-16.591 MeV] (A_Re:210)
185Re75 + 12 D* --> 182W74 + 27Al13 + 179.251 MeV [-21.081 MeV] (A_Re:211)
185Re75 + 12 D* --> 185Re75 + 24Mg12 + 171.562 MeV [-28.770 MeV] (A_Re:212)
185Re75 + 12 D* --> 186Os76 + 23Na11 + 166.336 MeV [-33.996 MeV] (A_Re:213)
185Re75 + 12 D* --> 190Pt78 + 19F9 + 152.617 MeV [-47.715 MeV] (A_Re:214)

187Re75 + D* --> 176Yb70 + 13C6 + 22.289 MeV [7.234 MeV] (A_Re:215)
187Re75 + D* --> 180Hf72 + 9Be4 + 10.361 MeV [-4.695 MeV] (A_Re:216)
187Re75 + D* --> 189Os76 + 10.905 MeV [-4.150 MeV] (A_Re:217)

187Re75 + 2 D* --> 176Yb70 + 15N7 + 38.448 MeV [8.043 MeV] (A_Re:218)
187Re75 + 2 D* --> 180Hf72 + 11B5 + 26.176 MeV [-4.229 MeV] (A_Re:219)
187Re75 + 2 D* --> 184W74 + 7Li3 + 15.855 MeV [-14.551 MeV] (A_Re:220)
187Re75 + 2 D* --> 187Re75 + 4He2 + 23.847 MeV [-6.559 MeV] (A_Re:221)
187Re75 + 2 D* --> 189Os76 + 2H1 + 10.905 MeV [-19.500 MeV] (A_Re:222)
187Re75 + 2 D* --> 190Os76 + 1H1 + 16.473 MeV [-13.932 MeV] (A_Re:223)
187Re75 + 2 D* --> 191Ir77 + 21.762 MeV [-8.643 MeV] (A_Re:224)

187Re75 + 3 D* --> 176Yb70 + 17O8 + 52.494 MeV [6.446 MeV] (A_Re:225)
187Re75 + 3 D* --> 180Hf72 + 13C6 + 44.855 MeV [-1.193 MeV] (A_Re:226)
187Re75 + 3 D* --> 184W74 + 9Be4 + 32.551 MeV [-13.497 MeV] (A_Re:227)
187Re75 + 3 D* --> 187Re75 + 6Li3 + 25.320 MeV [-20.728 MeV] (A_Re:228)
187Re75 + 3 D* --> 189Os76 + 4He2 + 34.752 MeV [-11.296 MeV] (A_Re:229)
187Re75 + 3 D* --> 190Os76 + 3He2 + 21.967 MeV [-24.082 MeV] (A_Re:230)
187Re75 + 3 D* --> 191Ir77 + 2H1 + 21.762 MeV [-24.286 MeV] (A_Re:231)

187Re75 + 4 D* --> 176Yb70 + 19F9 + 66.309 MeV [4.327 MeV] (A_Re:232)
187Re75 + 4 D* --> 180Hf72 + 15N7 + 61.014 MeV [-0.967 MeV] (A_Re:233)
187Re75 + 4 D* --> 184W74 + 11B5 + 48.367 MeV [-13.615 MeV] (A_Re:234)
187Re75 + 4 D* --> 188Os76 + 7Li3 + 37.555 MeV [-24.426 MeV] (A_Re:235)
187Re75 + 4 D* --> 189Os76 + 6Li3 + 36.226 MeV [-25.756 MeV] (A_Re:236)
187Re75 + 4 D* --> 191Ir77 + 4He2 + 45.609 MeV [-16.373 MeV] (A_Re:237)
187Re75 + 4 D* --> 194Pt78 + 1H1 + 38.801 MeV [-23.180 MeV] (A_Re:238)

187Re75 + 5 D* --> 176Yb70 + 21Ne10 + 83.689 MeV [5.485 MeV] (A_Re:239)
187Re75 + 5 D* --> 179Hf72 + 18O8 + 75.716 MeV [-2.487 MeV] (A_Re:240)
187Re75 + 5 D* --> 180Hf72 + 17O8 + 75.060 MeV [-3.144 MeV] (A_Re:241)
187Re75 + 5 D* --> 184W74 + 13C6 + 67.045 MeV [-11.159 MeV] (A_Re:242)
187Re75 + 5 D* --> 187Re75 + 10B5 + 53.628 MeV [-24.576 MeV] (A_Re:243)
187Re75 + 5 D* --> 188Os76 + 9Be4 + 54.252 MeV [-23.952 MeV] (A_Re:244)
187Re75 + 5 D* --> 191Ir77 + 6Li3 + 47.083 MeV [-31.121 MeV] (A_Re:245)
187Re75 + 5 D* --> 194Pt78 + 3He2 + 44.295 MeV [-33.909 MeV] (A_Re:246)

187Re75 + 6 D* --> 176Yb70 + 23Na11 + 100.623 MeV [5.910 MeV] (A_Re:247)
187Re75 + 6 D* --> 180Hf72 + 19F9 + 88.874 MeV [-5.839 MeV] (A_Re:248)
187Re75 + 6 D* --> 181Ta73 + 18O8 + 86.822 MeV [-7.891 MeV] (A_Re:249)
187Re75 + 6 D* --> 184W74 + 15N7 + 83.204 MeV [-11.508 MeV] (A_Re:250)
187Re75 + 6 D* --> 187Re75 + 12C6 + 78.814 MeV [-15.899 MeV] (A_Re:251)
187Re75 + 6 D* --> 188Os76 + 11B5 + 70.067 MeV [-24.646 MeV] (A_Re:252)
187Re75 + 6 D* --> 189Os76 + 10B5 + 64.533 MeV [-30.180 MeV] (A_Re:253)

187Re75 + 6 D* --> 192Pt78 + 7Li3 + 58.983 MeV [-35.730 MeV] (A_Re:254)
187Re75 + 6 D* --> 198Hg80 + 1H1 + 61.264 MeV [-33.449 MeV] (A_Re:255)

187Re75 + 7 D* --> 176Yb70 + 25Mg12 + 117.421 MeV [5.914 MeV] (A_Re:256)
187Re75 + 7 D* --> 179Hf72 + 22Ne10 + 109.231 MeV [-2.276 MeV] (A_Re:257)
187Re75 + 7 D* --> 180Hf72 + 21Ne10 + 106.255 MeV [-5.253 MeV] (A_Re:258)
187Re75 + 7 D* --> 183W74 + 18O8 + 97.883 MeV [-13.624 MeV] (A_Re:259)
187Re75 + 7 D* --> 184W74 + 17O8 + 97.250 MeV [-14.257 MeV] (A_Re:260)
187Re75 + 7 D* --> 187Re75 + 14N7 + 89.087 MeV [-22.421 MeV] (A_Re:261)
187Re75 + 7 D* --> 188Os76 + 13C6 + 88.746 MeV [-22.762 MeV] (A_Re:262)
187Re75 + 7 D* --> 189Os76 + 12C6 + 89.720 MeV [-21.788 MeV] (A_Re:263)
187Re75 + 7 D* --> 191Ir77 + 10B5 + 75.390 MeV [-36.117 MeV] (A_Re:264)
187Re75 + 7 D* --> 192Pt78 + 9Be4 + 75.680 MeV [-35.828 MeV] (A_Re:265)
187Re75 + 7 D* --> 198Hg80 + 3He2 + 66.758 MeV [-44.750 MeV] (A_Re:266)

187Re75 + 8 D* --> 176Yb70 + 27Al13 + 134.561 MeV [5.976 MeV] (A_Re:267)
187Re75 + 8 D* --> 180Hf72 + 23Na11 + 123.188 MeV [-5.397 MeV] (A_Re:268)
187Re75 + 8 D* --> 181Ta73 + 22Ne10 + 120.336 MeV [-8.249 MeV] (A_Re:269)
187Re75 + 8 D* --> 184W74 + 19F9 + 111.065 MeV [-17.520 MeV] (A_Re:270)
187Re75 + 8 D* --> 185Re75 + 18O8 + 108.474 MeV [-20.111 MeV] (A_Re:271)
187Re75 + 8 D* --> 187Re75 + 16O8 + 109.823 MeV [-18.762 MeV] (A_Re:272)
187Re75 + 8 D* --> 188Os76 + 15N7 + 104.905 MeV [-23.680 MeV] (A_Re:273)
187Re75 + 8 D* --> 189Os76 + 14N7 + 99.992 MeV [-28.593 MeV] (A_Re:274)
187Re75 + 8 D* --> 191Ir77 + 12C6 + 100.576 MeV [-28.009 MeV] (A_Re:275)
187Re75 + 8 D* --> 192Pt78 + 11B5 + 91.495 MeV [-37.090 MeV] (A_Re:276)
187Re75 + 8 D* --> 196Hg80 + 7Li3 + 80.789 MeV [-47.797 MeV] (A_Re:277)

187Re75 + 9 D* --> 157Gd64 + 48Ca20 + 192.051 MeV [46.106 MeV] (A_Re:278)
187Re75 + 9 D* --> 176Yb70 + 29Si14 + 152.395 MeV [6.450 MeV] (A_Re:279)
187Re75 + 9 D* --> 179Hf72 + 26Mg12 + 143.692 MeV [-2.252 MeV] (A_Re:280)
187Re75 + 9 D* --> 180Hf72 + 25Mg12 + 139.987 MeV [-5.958 MeV] (A_Re:281)
187Re75 + 9 D* --> 183W74 + 22Ne10 + 131.398 MeV [-14.547 MeV] (A_Re:282)
187Re75 + 9 D* --> 184W74 + 21Ne10 + 128.445 MeV [-17.500 MeV] (A_Re:283)
187Re75 + 9 D* --> 187Os76 + 18O8 + 119.005 MeV [-26.939 MeV] (A_Re:284)
187Re75 + 9 D* --> 188Os76 + 17O8 + 118.951 MeV [-26.994 MeV] (A_Re:285)
187Re75 + 9 D* --> 189Os76 + 16O8 + 120.728 MeV [-25.217 MeV] (A_Re:286)
187Re75 + 9 D* --> 191Ir77 + 14N7 + 110.849 MeV [-35.096 MeV] (A_Re:287)
187Re75 + 9 D* --> 192Pt78 + 13C6 + 110.174 MeV [-35.771 MeV] (A_Re:288)
187Re75 + 9 D* --> 196Hg80 + 9Be4 + 97.485 MeV [-48.460 MeV] (A_Re:289)

187Re75 + 10 D* --> 136Xe54 + 71Ga31 + 246.707 MeV [83.123 MeV] (A_Re:290)
187Re75 + 10 D* --> 159Tb65 + 48Ca20 + 203.895 MeV [40.310 MeV] (A_Re:291)
187Re75 + 10 D* --> 170Er68 + 37Cl17 + 182.018 MeV [18.433 MeV] (A_Re:292)
187Re75 + 10 D* --> 176Yb70 + 31P15 + 168.077 MeV [4.492 MeV] (A_Re:293)
187Re75 + 10 D* --> 180Hf72 + 27Al13 + 157.127 MeV [-6.458 MeV] (A_Re:294)
187Re75 + 10 D* --> 181Ta73 + 26Mg12 + 154.798 MeV [-8.787 MeV] (A_Re:295)
187Re75 + 10 D* --> 184W74 + 23Na11 + 145.379 MeV [-18.206 MeV] (A_Re:296)
187Re75 + 10 D* --> 185Re75 + 22Ne10 + 141.988 MeV [-21.596 MeV] (A_Re:297)
187Re75 + 10 D* --> 187Re75 + 20Ne10 + 138.399 MeV [-25.185 MeV] (A_Re:298)
187Re75 + 10 D* --> 188Os76 + 19F9 + 132.765 MeV [-30.819 MeV] (A_Re:299)
187Re75 + 10 D* --> 191Ir77 + 16O8 + 131.585 MeV [-31.999 MeV] (A_Re:300)
187Re75 + 10 D* --> 192Pt78 + 15N7 + 126.333 MeV [-37.251 MeV] (A_Re:301)
187Re75 + 10 D* --> 196Hg80 + 11B5 + 113.300 MeV [-50.284 MeV] (A_Re:302)

187Re75 + 11 D* --> 136Xe54 + 73Ge32 + 261.000 MeV [79.498 MeV] (A_Re:303)
187Re75 + 11 D* --> 160Gd64 + 49Ti22 + 219.785 MeV [38.282 MeV] (A_Re:304)
187Re75 + 11 D* --> 161Dy66 + 48Ca20 + 215.552 MeV [34.050 MeV] (A_Re:305)
187Re75 + 11 D* --> 163Dy66 + 46Ca20 + 212.799 MeV [31.297 MeV] (A_Re:306)
187Re75 + 11 D* --> 173Yb70 + 36S16 + 191.498 MeV [9.995 MeV] (A_Re:307)
187Re75 + 11 D* --> 176Yb70 + 33S16 + 183.357 MeV [1.855 MeV] (A_Re:308)
187Re75 + 11 D* --> 179Hf72 + 30Si14 + 178.182 MeV [-3.320 MeV] (A_Re:309)
187Re75 + 11 D* --> 180Hf72 + 29Si14 + 174.961 MeV [-6.542 MeV] (A_Re:310)
187Re75 + 11 D* --> 183W74 + 26Mg12 + 165.859 MeV [-15.643 MeV] (A_Re:311)
187Re75 + 11 D* --> 184W74 + 25Mg12 + 162.177 MeV [-19.325 MeV] (A_Re:312)
187Re75 + 11 D* --> 187Os76 + 22Ne10 + 152.520 MeV [-28.982 MeV] (A_Re:313)
187Re75 + 11 D* --> 188Os76 + 21Ne10 + 150.145 MeV [-31.357 MeV] (A_Re:314)
187Re75 + 11 D* --> 189Os76 + 20Ne10 + 149.305 MeV [-32.198 MeV] (A_Re:315)
187Re75 + 11 D* --> 192Pt78 + 17O8 + 140.379 MeV [-41.123 MeV] (A_Re:316)
187Re75 + 11 D* --> 196Hg80 + 13C6 + 131.979 MeV [-49.523 MeV] (A_Re:317)

187Re75 + 12 D* --> 124Sn50 + 87Rb37 + 289.247 MeV [89.551 MeV] (A_Re:318)
187Re75 + 12 D* --> 130Te52 + 81Br35 + 281.739 MeV [82.042 MeV] (A_Re:319)
187Re75 + 12 D* --> 136Xe54 + 75As33 + 275.870 MeV [76.174 MeV] (A_Re:320)
187Re75 + 12 D* --> 160Gd64 + 51V23 + 236.563 MeV [36.866 MeV] (A_Re:321)
187Re75 + 12 D* --> 165Ho67 + 46Ca20 + 224.453 MeV [24.756 MeV] (A_Re:322)
187Re75 + 12 D* --> 170Er68 + 41K19 + 212.087 MeV [12.390 MeV] (A_Re:323)
187Re75 + 12 D* --> 174Yb70 + 37Cl17 + 205.124 MeV [5.427 MeV] (A_Re:324)
187Re75 + 12 D* --> 176Yb70 + 35Cl17 + 198.921 MeV [-0.776 MeV] (A_Re:325)
187Re75 + 12 D* --> 175Lu71 + 36S16 + 202.248 MeV [2.551 MeV] (A_Re:326)
187Re75 + 12 D* --> 180Hf72 + 31P15 + 190.642 MeV [-9.055 MeV] (A_Re:327)
187Re75 + 12 D* --> 181Ta73 + 30Si14 + 189.288 MeV [-10.409 MeV] (A_Re:328)
187Re75 + 12 D* --> 184W74 + 27Al13 + 179.317 MeV [-20.380 MeV] (A_Re:329)
187Re75 + 12 D* --> 185Re75 + 26Mg12 + 176.450 MeV [-23.247 MeV] (A_Re:330)
187Re75 + 12 D* --> 187Re75 + 24Mg12 + 171.562 MeV [-28.135 MeV] (A_Re:331)
187Re75 + 12 D* --> 188Os76 + 23Na11 + 167.079 MeV [-32.618 MeV] (A_Re:332)
187Re75 + 12 D* --> 191Ir77 + 20Ne10 + 160.161 MeV [-39.536 MeV] (A_Re:333)
187Re75 + 12 D* --> 192Pt78 + 19F9 + 154.193 MeV [-45.504 MeV] (A_Re:334)
187Re75 + 12 D* --> 196Hg80 + 15N7 + 148.138 MeV [-51.559 MeV] (A_Re:335)

---------- Equations follow for Osmium, Os, element 76 ----------

184Os76 + D* --> 136Xe54 + 50V23 + 104.526 MeV [89.189 MeV] (A_Os:1)
184Os76 + D* --> 138La57 + 48Ca20 + 99.618 MeV [84.281 MeV] (A_Os:2)
184Os76 + D* --> 163Dy66 + 23Na11 + 44.796 MeV [29.458 MeV] (A_Os:3)
184Os76 + D* --> 165Ho67 + 21Ne10 + 39.516 MeV [24.178 MeV] (A_Os:4)
184Os76 + D* --> 167Er68 + 19F9 + 33.664 MeV [18.326 MeV] (A_Os:5)
184Os76 + D* --> 169Tm69 + 17O8 + 30.968 MeV [15.631 MeV] (A_Os:6)
184Os76 + D* --> 171Yb70 + 15N7 + 28.090 MeV [12.753 MeV] (A_Os:7)
184Os76 + D* --> 172Yb70 + 14N7 + 25.276 MeV [9.939 MeV] (A_Os:8)
184Os76 + D* --> 176Hf72 + 10B5 + 11.406 MeV [-3.931 MeV] (A_Os:9)
184Os76 + D* --> 180W74 + 6Li3 + 4.437 MeV [-10.900 MeV] (A_Os:10)

184Os76 + 2 D* --> 124Sn50 + 64Ni28 + 137.351 MeV [106.383 MeV] (A_Os:11)
184Os76 + 2 D* --> 130Te52 + 58Fe26 + 131.520 MeV [100.552 MeV] (A_Os:12)
184Os76 + 2 D* --> 134Xe54 + 54Cr24 + 127.072 MeV [96.104 MeV] (A_Os:13)
184Os76 + 2 D* --> 136Xe54 + 52Cr24 + 123.857 MeV [92.889 MeV] (A_Os:14)
184Os76 + 2 D* --> 138Ba56 + 50Ti22 + 121.704 MeV [90.735 MeV] (A_Os:15)
184Os76 + 2 D* --> 140Ce58 + 48Ca20 + 114.313 MeV [83.344 MeV] (A_Os:16)

184Os76 + 2 D* --> 142Ce58 + 46Ca20 + 109.689 MeV [78.720 MeV] (A_Os:17)
184Os76 + 2 D* --> 148Nd60 + 40Ar18 + 94.469 MeV [63.500 MeV] (A_Os:18)
184Os76 + 2 D* --> 150Nd60 + 38Ar18 + 90.420 MeV [59.451 MeV] (A_Os:19)
184Os76 + 2 D* --> 152Sm62 + 36S16 + 87.448 MeV [56.480 MeV] (A_Os:20)
184Os76 + 2 D* --> 154Sm62 + 34S16 + 84.409 MeV [53.440 MeV] (A_Os:21)
184Os76 + 2 D* --> 158Gd64 + 30Si14 + 77.145 MeV [46.176 MeV] (A_Os:22)
184Os76 + 2 D* --> 160Gd64 + 28Si14 + 71.457 MeV [40.488 MeV] (A_Os:23)
184Os76 + 2 D* --> 162Dy66 + 26Mg12 + 66.417 MeV [35.448 MeV] (A_Os:24)
184Os76 + 2 D* --> 163Dy66 + 25Mg12 + 61.595 MeV [30.626 MeV] (A_Os:25)
184Os76 + 2 D* --> 164Dy66 + 24Mg12 + 61.922 MeV [30.954 MeV] (A_Os:26)
184Os76 + 2 D* --> 165Ho67 + 23Na11 + 56.450 MeV [25.481 MeV] (A_Os:27)
184Os76 + 2 D* --> 166Er68 + 22Ne10 + 54.972 MeV [24.003 MeV] (A_Os:28)
184Os76 + 2 D* --> 167Er68 + 21Ne10 + 51.044 MeV [20.075 MeV] (A_Os:29)
184Os76 + 2 D* --> 168Er68 + 20Ne10 + 52.054 MeV [21.085 MeV] (A_Os:30)
184Os76 + 2 D* --> 169Tm69 + 19F9 + 44.783 MeV [13.814 MeV] (A_Os:31)
184Os76 + 2 D* --> 170Yb70 + 18O8 + 43.566 MeV [12.597 MeV] (A_Os:32)
184Os76 + 2 D* --> 171Yb70 + 17O8 + 42.136 MeV [11.168 MeV] (A_Os:33)
184Os76 + 2 D* --> 172Yb70 + 16O8 + 46.013 MeV [15.044 MeV] (A_Os:34)
184Os76 + 2 D* --> 176Hf72 + 12C6 + 36.593 MeV [5.624 MeV] (A_Os:35)
184Os76 + 2 D* --> 184Os76 + 4He2 + 23.847 MeV [-7.122 MeV] (A_Os:36)

184Os76 + 3 D* --> 150Nd60 + 40K19 + 102.376 MeV [55.486 MeV] (A_Os:37)
184Os76 + 3 D* --> 163Dy66 + 27Al13 + 78.734 MeV [31.844 MeV] (A_Os:38)
184Os76 + 3 D* --> 165Ho67 + 25Mg12 + 73.248 MeV [26.358 MeV] (A_Os:39)
184Os76 + 3 D* --> 167Er68 + 23Na11 + 67.978 MeV [21.087 MeV] (A_Os:40)
184Os76 + 3 D* --> 169Tm69 + 21Ne10 + 62.163 MeV [15.272 MeV] (A_Os:41)
184Os76 + 3 D* --> 171Yb70 + 19F9 + 55.951 MeV [9.060 MeV] (A_Os:42)
184Os76 + 3 D* --> 176Hf72 + 14N7 + 46.865 MeV [-0.025 MeV] (A_Os:43)
184Os76 + 3 D* --> 180W74 + 10B5 + 32.745 MeV [-14.146 MeV] (A_Os:44)
184Os76 + 3 D* --> 184Os76 + 6Li3 + 25.320 MeV [-21.570 MeV] (A_Os:45)

184Os76 + 4 D* --> 96Zr40 + 96Zr40 + 179.172 MeV [116.071 MeV] (A_Os:46)
184Os76 + 4 D* --> 110Pd46 + 82Se34 + 174.230 MeV [111.129 MeV] (A_Os:47)
184Os76 + 4 D* --> 116Cd48 + 76Ge32 + 170.219 MeV [107.118 MeV] (A_Os:48)
184Os76 + 4 D* --> 122Sn50 + 70Zn30 + 167.797 MeV [104.696 MeV] (A_Os:49)
184Os76 + 4 D* --> 124Sn50 + 68Zn30 + 166.531 MeV [103.429 MeV] (A_Os:50)
184Os76 + 4 D* --> 128Te52 + 64Ni28 + 164.378 MeV [101.277 MeV] (A_Os:51)
184Os76 + 4 D* --> 130Te52 + 62Ni28 + 162.384 MeV [99.283 MeV] (A_Os:52)
184Os76 + 4 D* --> 134Xe54 + 58Fe26 + 158.565 MeV [95.463 MeV] (A_Os:53)
184Os76 + 4 D* --> 136Xe54 + 56Fe26 + 155.317 MeV [92.216 MeV] (A_Os:54)
184Os76 + 4 D* --> 138Ba56 + 54Cr24 + 153.481 MeV [90.379 MeV] (A_Os:55)
184Os76 + 4 D* --> 142Ce58 + 50Ti22 + 144.252 MeV [81.150 MeV] (A_Os:56)
184Os76 + 4 D* --> 144Nd60 + 48Ca20 + 136.254 MeV [73.153 MeV] (A_Os:57)
184Os76 + 4 D* --> 146Nd60 + 46Ca20 + 132.353 MeV [69.251 MeV] (A_Os:58)
184Os76 + 4 D* --> 148Nd60 + 44Ca20 + 127.169 MeV [64.067 MeV] (A_Os:59)
184Os76 + 4 D* --> 150Nd60 + 42Ca20 + 120.523 MeV [57.422 MeV] (A_Os:60)
184Os76 + 4 D* --> 152Sm62 + 40Ar18 + 118.095 MeV [54.994 MeV] (A_Os:61)
184Os76 + 4 D* --> 154Sm62 + 38Ar18 + 115.463 MeV [52.361 MeV] (A_Os:62)
184Os76 + 4 D* --> 156Gd64 + 36S16 + 111.493 MeV [48.392 MeV] (A_Os:63)
184Os76 + 4 D* --> 158Gd64 + 34S16 + 108.915 MeV [45.814 MeV] (A_Os:64)
184Os76 + 4 D* --> 160Gd64 + 32S16 + 102.251 MeV [39.150 MeV] (A_Os:65)
184Os76 + 4 D* --> 162Dy66 + 30Si14 + 100.906 MeV [37.805 MeV] (A_Os:66)
184Os76 + 4 D* --> 163Dy66 + 29Si14 + 96.568 MeV [33.467 MeV] (A_Os:67)
184Os76 + 4 D* --> 164Dy66 + 28Si14 + 95.753 MeV [32.651 MeV] (A_Os:68)

184Os76 + 4 D* --> 165Ho67 + 27Al13 + 90.388 MeV [27.287 MeV] (A_Os:69)
184Os76 + 4 D* --> 166Er68 + 26Mg12 + 89.433 MeV [26.331 MeV] (A_Os:70)
184Os76 + 4 D* --> 167Er68 + 25Mg12 + 84.776 MeV [21.675 MeV] (A_Os:71)
184Os76 + 4 D* --> 168Er68 + 24Mg12 + 85.217 MeV [22.116 MeV] (A_Os:72)
184Os76 + 4 D* --> 169Tm69 + 23Na11 + 79.097 MeV [15.995 MeV] (A_Os:73)
184Os76 + 4 D* --> 170Yb70 + 22Ne10 + 77.080 MeV [13.979 MeV] (A_Os:74)
184Os76 + 4 D* --> 171Yb70 + 21Ne10 + 73.331 MeV [10.229 MeV] (A_Os:75)
184Os76 + 4 D* --> 172Yb70 + 20Ne10 + 74.589 MeV [11.488 MeV] (A_Os:76)
184Os76 + 4 D* --> 174Hf72 + 18O8 + 64.915 MeV [1.813 MeV] (A_Os:77)
184Os76 + 4 D* --> 176Hf72 + 16O8 + 67.601 MeV [4.500 MeV] (A_Os:78)
184Os76 + 4 D* --> 180W74 + 12C6 + 57.931 MeV [-5.170 MeV] (A_Os:79)

184Os76 + 5 D* --> 154Sm62 + 40K19 + 127.419 MeV [47.819 MeV] (A_Os:80)
184Os76 + 5 D* --> 157Gd64 + 37Cl17 + 124.015 MeV [44.415 MeV] (A_Os:81)
184Os76 + 5 D* --> 163Dy66 + 31P15 + 112.250 MeV [32.650 MeV] (A_Os:82)
184Os76 + 5 D* --> 165Ho67 + 29Si14 + 108.222 MeV [28.622 MeV] (A_Os:83)
184Os76 + 5 D* --> 167Er68 + 27Al13 + 101.916 MeV [22.316 MeV] (A_Os:84)
184Os76 + 5 D* --> 169Tm69 + 25Mg12 + 95.895 MeV [16.295 MeV] (A_Os:85)
184Os76 + 5 D* --> 171Yb70 + 23Na11 + 90.264 MeV [10.665 MeV] (A_Os:86)
184Os76 + 5 D* --> 180W74 + 14N7 + 68.204 MeV [-11.396 MeV] (A_Os:87)
184Os76 + 5 D* --> 184Os76 + 10B5 + 53.628 MeV [-25.972 MeV] (A_Os:88)

184Os76 + 6 D* --> 100Mo42 + 96Zr40 + 206.185 MeV [109.802 MeV] (A_Os:89)
184Os76 + 6 D* --> 110Pd46 + 86Kr36 + 206.173 MeV [109.789 MeV] (A_Os:90)
184Os76 + 6 D* --> 114Cd48 + 82Se34 + 202.173 MeV [105.789 MeV] (A_Os:91)
184Os76 + 6 D* --> 116Cd48 + 80Se34 + 201.038 MeV [104.654 MeV] (A_Os:92)
184Os76 + 6 D* --> 120Sn50 + 76Ge32 + 198.876 MeV [102.493 MeV] (A_Os:93)
184Os76 + 6 D* --> 122Sn50 + 74Ge32 + 197.927 MeV [101.543 MeV] (A_Os:94)
184Os76 + 6 D* --> 124Sn50 + 72Ge32 + 195.381 MeV [98.997 MeV] (A_Os:95)
184Os76 + 6 D* --> 126Te52 + 70Zn30 + 194.187 MeV [97.804 MeV] (A_Os:96)
184Os76 + 6 D* --> 128Te52 + 68Zn30 + 193.557 MeV [97.174 MeV] (A_Os:97)
184Os76 + 6 D* --> 130Te52 + 66Zn30 + 190.809 MeV [94.425 MeV] (A_Os:98)
184Os76 + 6 D* --> 132Xe54 + 64Ni28 + 190.938 MeV [94.554 MeV] (A_Os:99)
184Os76 + 6 D* --> 134Xe54 + 62Ni28 + 189.429 MeV [93.045 MeV] (A_Os:100)
184Os76 + 6 D* --> 136Xe54 + 60Ni28 + 185.455 MeV [89.072 MeV] (A_Os:101)
184Os76 + 6 D* --> 138Ba56 + 58Fe26 + 184.973 MeV [88.590 MeV] (A_Os:102)
184Os76 + 6 D* --> 142Ce58 + 54Cr24 + 176.029 MeV [79.646 MeV] (A_Os:103)
184Os76 + 6 D* --> 146Nd60 + 50Ti22 + 166.916 MeV [70.532 MeV] (A_Os:104)
184Os76 + 6 D* --> 148Nd60 + 48Ti22 + 160.459 MeV [64.076 MeV] (A_Os:105)
184Os76 + 6 D* --> 150Nd60 + 46Ti22 + 152.371 MeV [55.988 MeV] (A_Os:106)
184Os76 + 6 D* --> 148Sm62 + 48Ca20 + 158.114 MeV [61.731 MeV] (A_Os:107)
184Os76 + 6 D* --> 150Sm62 + 46Ca20 + 154.751 MeV [58.367 MeV] (A_Os:108)
184Os76 + 6 D* --> 152Sm62 + 44Ca20 + 150.795 MeV [54.412 MeV] (A_Os:109)
184Os76 + 6 D* --> 154Sm62 + 42Ca20 + 145.567 MeV [49.183 MeV] (A_Os:110)
184Os76 + 6 D* --> 156Gd64 + 40Ar18 + 142.140 MeV [45.757 MeV] (A_Os:111)
184Os76 + 6 D* --> 158Gd64 + 38Ar18 + 139.969 MeV [43.586 MeV] (A_Os:112)
184Os76 + 6 D* --> 160Gd64 + 36Ar18 + 132.738 MeV [36.355 MeV] (A_Os:113)
184Os76 + 6 D* --> 159Tb65 + 37Cl17 + 135.859 MeV [39.475 MeV] (A_Os:114)
184Os76 + 6 D* --> 160Dy66 + 36S16 + 134.900 MeV [38.517 MeV] (A_Os:115)
184Os76 + 6 D* --> 162Dy66 + 34S16 + 132.677 MeV [36.293 MeV] (A_Os:116)
184Os76 + 6 D* --> 163Dy66 + 33S16 + 127.531 MeV [31.147 MeV] (A_Os:117)
184Os76 + 6 D* --> 164Dy66 + 32S16 + 126.547 MeV [30.164 MeV] (A_Os:118)
184Os76 + 6 D* --> 165Ho67 + 31P15 + 123.904 MeV [27.520 MeV] (A_Os:119)
184Os76 + 6 D* --> 166Er68 + 30Si14 + 123.923 MeV [27.539 MeV] (A_Os:120)

184Os76 + 6 D* --> 167Er68 + 29Si14 + 119.750 MeV [23.366 MeV] (A_Os:121)
184Os76 + 6 D* --> 168Er68 + 28Si14 + 119.048 MeV [22.664 MeV] (A_Os:122)
184Os76 + 6 D* --> 169Tm69 + 27Al13 + 113.035 MeV [16.651 MeV] (A_Os:123)
184Os76 + 6 D* --> 170Yb70 + 26Mg12 + 111.542 MeV [15.158 MeV] (A_Os:124)
184Os76 + 6 D* --> 171Yb70 + 25Mg12 + 107.063 MeV [10.679 MeV] (A_Os:125)
184Os76 + 6 D* --> 172Yb70 + 24Mg12 + 107.752 MeV [11.368 MeV] (A_Os:126)
184Os76 + 6 D* --> 174Hf72 + 22Ne10 + 98.430 MeV [2.046 MeV] (A_Os:127)
184Os76 + 6 D* --> 176Hf72 + 20Ne10 + 96.178 MeV [-0.206 MeV] (A_Os:128)
184Os76 + 6 D* --> 180W74 + 16O8 + 88.940 MeV [-7.444 MeV] (A_Os:129)
184Os76 + 6 D* --> 184Os76 + 12C6 + 78.814 MeV [-17.569 MeV] (A_Os:130)

184Os76 + 7 D* --> 148Nd60 + 50V23 + 174.329 MeV [60.878 MeV] (A_Os:131)
184Os76 + 7 D* --> 157Gd64 + 41K19 + 154.084 MeV [40.632 MeV] (A_Os:132)
184Os76 + 7 D* --> 158Gd64 + 40K19 + 151.926 MeV [38.475 MeV] (A_Os:133)
184Os76 + 7 D* --> 161Dy66 + 37Cl17 + 147.517 MeV [34.065 MeV] (A_Os:134)
184Os76 + 7 D* --> 163Dy66 + 35Cl17 + 143.094 MeV [29.643 MeV] (A_Os:135)
184Os76 + 7 D* --> 165Ho67 + 33S16 + 139.184 MeV [25.733 MeV] (A_Os:136)
184Os76 + 7 D* --> 167Er68 + 31P15 + 135.432 MeV [21.980 MeV] (A_Os:137)
184Os76 + 7 D* --> 169Tm69 + 29Si14 + 130.869 MeV [17.418 MeV] (A_Os:138)
184Os76 + 7 D* --> 171Yb70 + 27Al13 + 124.203 MeV [10.751 MeV] (A_Os:139)
184Os76 + 7 D* --> 184Os76 + 14N7 + 89.087 MeV [-24.365 MeV] (A_Os:140)

184Os76 + 8 D* --> 100Mo42 + 100Mo42 + 233.198 MeV [102.397 MeV] (A_Os:141)
184Os76 + 8 D* --> 104Ru44 + 96Zr40 + 234.361 MeV [103.560 MeV] (A_Os:142)
184Os76 + 8 D* --> 114Cd48 + 86Kr36 + 234.116 MeV [103.315 MeV] (A_Os:143)
184Os76 + 8 D* --> 116Cd48 + 84Kr36 + 231.980 MeV [101.179 MeV] (A_Os:144)
184Os76 + 8 D* --> 118Sn50 + 82Se34 + 230.080 MeV [99.279 MeV] (A_Os:145)
184Os76 + 8 D* --> 120Sn50 + 80Se34 + 229.695 MeV [98.894 MeV] (A_Os:146)
184Os76 + 8 D* --> 122Sn50 + 78Se34 + 227.802 MeV [97.001 MeV] (A_Os:147)
184Os76 + 8 D* --> 124Sn50 + 76Se34 + 224.318 MeV [93.518 MeV] (A_Os:148)
184Os76 + 8 D* --> 124Te52 + 76Ge32 + 224.567 MeV [93.766 MeV] (A_Os:149)
184Os76 + 8 D* --> 126Te52 + 74Ge32 + 224.317 MeV [93.516 MeV] (A_Os:150)
184Os76 + 8 D* --> 128Te52 + 72Ge32 + 222.408 MeV [91.607 MeV] (A_Os:151)
184Os76 + 8 D* --> 130Te52 + 70Ge32 + 218.744 MeV [87.943 MeV] (A_Os:152)
184Os76 + 8 D* --> 130Xe54 + 70Zn30 + 220.276 MeV [89.475 MeV] (A_Os:153)
184Os76 + 8 D* --> 132Xe54 + 68Zn30 + 220.117 MeV [89.316 MeV] (A_Os:154)
184Os76 + 8 D* --> 134Xe54 + 66Zn30 + 217.854 MeV [87.053 MeV] (A_Os:155)
184Os76 + 8 D* --> 136Xe54 + 64Zn30 + 213.258 MeV [82.458 MeV] (A_Os:156)
184Os76 + 8 D* --> 136Ba56 + 64Ni28 + 216.816 MeV [86.015 MeV] (A_Os:157)
184Os76 + 8 D* --> 138Ba56 + 62Ni28 + 215.837 MeV [85.037 MeV] (A_Os:158)
184Os76 + 8 D* --> 142Ce58 + 58Fe26 + 207.522 MeV [76.721 MeV] (A_Os:159)
184Os76 + 8 D* --> 146Nd60 + 54Cr24 + 198.693 MeV [67.892 MeV] (A_Os:160)
184Os76 + 8 D* --> 148Nd60 + 52Cr24 + 193.660 MeV [62.859 MeV] (A_Os:161)
184Os76 + 8 D* --> 150Nd60 + 50Cr24 + 184.779 MeV [53.978 MeV] (A_Os:162)
184Os76 + 8 D* --> 150Sm62 + 50Ti22 + 189.314 MeV [58.513 MeV] (A_Os:163)
184Os76 + 8 D* --> 152Sm62 + 48Ti22 + 184.086 MeV [53.285 MeV] (A_Os:164)
184Os76 + 8 D* --> 154Sm62 + 46Ti22 + 177.415 MeV [46.614 MeV] (A_Os:165)
184Os76 + 8 D* --> 152Gd64 + 48Ca20 + 179.758 MeV [48.957 MeV] (A_Os:166)
184Os76 + 8 D* --> 154Gd64 + 46Ca20 + 177.678 MeV [46.877 MeV] (A_Os:167)
184Os76 + 8 D* --> 156Gd64 + 44Ca20 + 174.840 MeV [44.039 MeV] (A_Os:168)
184Os76 + 8 D* --> 157Gd64 + 43Ca20 + 170.069 MeV [39.268 MeV] (A_Os:169)
184Os76 + 8 D* --> 158Gd64 + 42Ca20 + 170.073 MeV [39.273 MeV] (A_Os:170)
184Os76 + 8 D* --> 160Gd64 + 40Ca20 + 163.625 MeV [32.824 MeV] (A_Os:171)
184Os76 + 8 D* --> 159Tb65 + 41K19 + 165.928 MeV [35.127 MeV] (A_Os:172)

184Os76 + 8 D* --> 160Dy66 + 40Ar18 + 165.548 MeV [34.747 MeV] (A_Os:173)
184Os76 + 8 D* --> 162Dy66 + 38Ar18 + 163.731 MeV [32.930 MeV] (A_Os:174)
184Os76 + 8 D* --> 164Dy66 + 36Ar18 + 157.034 MeV [26.234 MeV] (A_Os:175)
184Os76 + 8 D* --> 165Ho67 + 35Cl17 + 154.748 MeV [23.947 MeV] (A_Os:176)
184Os76 + 8 D* --> 164Er68 + 36S16 + 157.443 MeV [26.642 MeV] (A_Os:177)
184Os76 + 8 D* --> 166Er68 + 34S16 + 155.693 MeV [24.892 MeV] (A_Os:178)
184Os76 + 8 D* --> 167Er68 + 33S16 + 150.712 MeV [19.912 MeV] (A_Os:179)
184Os76 + 8 D* --> 168Er68 + 32S16 + 149.842 MeV [19.041 MeV] (A_Os:180)
184Os76 + 8 D* --> 169Tm69 + 31P15 + 146.550 MeV [15.750 MeV] (A_Os:181)
184Os76 + 8 D* --> 170Yb70 + 30Si14 + 146.032 MeV [15.231 MeV] (A_Os:182)
184Os76 + 8 D* --> 171Yb70 + 29Si14 + 142.037 MeV [11.236 MeV] (A_Os:183)
184Os76 + 8 D* --> 172Yb70 + 28Si14 + 141.583 MeV [10.782 MeV] (A_Os:184)
184Os76 + 8 D* --> 174Hf72 + 26Mg12 + 132.891 MeV [2.090 MeV] (A_Os:185)
184Os76 + 8 D* --> 176Hf72 + 24Mg12 + 129.341 MeV [-1.460 MeV] (A_Os:186)
184Os76 + 8 D* --> 180W74 + 20Ne10 + 117.516 MeV [-13.285 MeV] (A_Os:187)
184Os76 + 8 D* --> 184Os76 + 16O8 + 109.823 MeV [-20.978 MeV] (A_Os:188)

184Os76 + 9 D* --> 131Xe54 + 71Ga31 + 232.521 MeV [84.090 MeV] (A_Os:189)
184Os76 + 9 D* --> 137Ba56 + 65Cu29 + 228.950 MeV [80.520 MeV] (A_Os:190)
184Os76 + 9 D* --> 138La57 + 64Ni28 + 227.589 MeV [79.159 MeV] (A_Os:191)
184Os76 + 9 D* --> 152Sm62 + 50V23 + 197.956 MeV [49.525 MeV] (A_Os:192)
184Os76 + 9 D* --> 153Eu63 + 49Ti22 + 195.898 MeV [47.467 MeV] (A_Os:193)
184Os76 + 9 D* --> 157Gd64 + 45Sc21 + 185.864 MeV [37.433 MeV] (A_Os:194)
184Os76 + 9 D* --> 159Tb65 + 43Ca20 + 181.913 MeV [33.482 MeV] (A_Os:195)
184Os76 + 9 D* --> 161Dy66 + 41K19 + 177.586 MeV [29.155 MeV] (A_Os:196)
184Os76 + 9 D* --> 162Dy66 + 40K19 + 175.687 MeV [27.257 MeV] (A_Os:197)
184Os76 + 9 D* --> 163Dy66 + 39K19 + 174.159 MeV [25.728 MeV] (A_Os:198)
184Os76 + 9 D* --> 167Er68 + 35Cl17 + 166.276 MeV [17.845 MeV] (A_Os:199)
184Os76 + 9 D* --> 169Tm69 + 33S16 + 161.831 MeV [13.401 MeV] (A_Os:200)
184Os76 + 9 D* --> 171Yb70 + 31P15 + 157.718 MeV [9.288 MeV] (A_Os:201)

184Os76 + 10 D* --> 104Ru44 + 100Mo42 + 261.374 MeV [95.035 MeV] (A_Os:202)
184Os76 + 10 D* --> 108Pd46 + 96Zr40 + 262.068 MeV [95.729 MeV] (A_Os:203)
184Os76 + 10 D* --> 110Pd46 + 94Zr40 + 262.717 MeV [96.378 MeV] (A_Os:204)
184Os76 + 10 D* --> 116Cd48 + 88Sr38 + 263.742 MeV [97.403 MeV] (A_Os:205)
184Os76 + 10 D* --> 118Sn50 + 86Kr36 + 262.023 MeV [95.683 MeV] (A_Os:206)
184Os76 + 10 D* --> 120Sn50 + 84Kr36 + 260.637 MeV [94.298 MeV] (A_Os:207)
184Os76 + 10 D* --> 122Sn50 + 82Kr36 + 257.637 MeV [91.297 MeV] (A_Os:208)
184Os76 + 10 D* --> 124Sn50 + 80Kr36 + 253.230 MeV [86.891 MeV] (A_Os:209)
184Os76 + 10 D* --> 123Sb51 + 81Br35 + 254.300 MeV [87.961 MeV] (A_Os:210)
184Os76 + 10 D* --> 122Te52 + 82Se34 + 255.009 MeV [88.670 MeV] (A_Os:211)
184Os76 + 10 D* --> 124Te52 + 80Se34 + 255.386 MeV [89.046 MeV] (A_Os:212)
184Os76 + 10 D* --> 126Te52 + 78Se34 + 254.192 MeV [87.853 MeV] (A_Os:213)
184Os76 + 10 D* --> 128Te52 + 76Se34 + 251.345 MeV [85.006 MeV] (A_Os:214)
184Os76 + 10 D* --> 130Te52 + 74Se34 + 246.665 MeV [80.326 MeV] (A_Os:215)
184Os76 + 10 D* --> 128Xe54 + 76Ge32 + 250.174 MeV [83.835 MeV] (A_Os:216)
184Os76 + 10 D* --> 130Xe54 + 74Ge32 + 250.405 MeV [84.066 MeV] (A_Os:217)
184Os76 + 10 D* --> 131Xe54 + 73Ge32 + 246.814 MeV [80.475 MeV] (A_Os:218)
184Os76 + 10 D* --> 132Xe54 + 72Ge32 + 248.967 MeV [82.628 MeV] (A_Os:219)
184Os76 + 10 D* --> 134Xe54 + 70Ge32 + 245.789 MeV [79.449 MeV] (A_Os:220)
184Os76 + 10 D* --> 133Cs55 + 71Ga31 + 245.312 MeV [78.973 MeV] (A_Os:221)
184Os76 + 10 D* --> 134Ba56 + 70Zn30 + 245.616 MeV [79.276 MeV] (A_Os:222)
184Os76 + 10 D* --> 136Ba56 + 68Zn30 + 245.995 MeV [79.656 MeV] (A_Os:223)
184Os76 + 10 D* --> 137Ba56 + 67Zn30 + 242.703 MeV [76.364 MeV] (A_Os:224)

184Os76 + 10 D* --> 138Ba56 + 66Zn30 + 244.262 MeV [77.923 MeV] (A_Os:225)
184Os76 + 10 D* --> 139La57 + 65Cu29 + 241.596 MeV [75.257 MeV] (A_Os:226)
184Os76 + 10 D* --> 140Ce58 + 64Ni28 + 242.284 MeV [75.944 MeV] (A_Os:227)
184Os76 + 10 D* --> 142Ce58 + 62Ni28 + 238.386 MeV [72.046 MeV] (A_Os:228)
184Os76 + 10 D* --> 146Nd60 + 58Fe26 + 230.186 MeV [63.846 MeV] (A_Os:229)
184Os76 + 10 D* --> 148Nd60 + 56Fe26 + 225.120 MeV [58.781 MeV] (A_Os:230)
184Os76 + 10 D* --> 150Nd60 + 54Fe26 + 217.043 MeV [50.704 MeV] (A_Os:231)
184Os76 + 10 D* --> 150Sm62 + 54Cr24 + 221.091 MeV [54.752 MeV] (A_Os:232)
184Os76 + 10 D* --> 152Sm62 + 52Cr24 + 217.287 MeV [50.948 MeV] (A_Os:233)
184Os76 + 10 D* --> 154Sm62 + 50Cr24 + 209.822 MeV [43.483 MeV] (A_Os:234)
184Os76 + 10 D* --> 153Eu63 + 51V23 + 212.676 MeV [46.337 MeV] (A_Os:235)
184Os76 + 10 D* --> 154Gd64 + 50Ti22 + 212.241 MeV [45.902 MeV] (A_Os:236)
184Os76 + 10 D* --> 155Gd64 + 49Ti22 + 207.737 MeV [41.398 MeV] (A_Os:237)
184Os76 + 10 D* --> 156Gd64 + 48Ti22 + 208.131 MeV [41.792 MeV] (A_Os:238)
184Os76 + 10 D* --> 157Gd64 + 47Ti22 + 202.864 MeV [36.525 MeV] (A_Os:239)
184Os76 + 10 D* --> 158Gd64 + 46Ti22 + 201.921 MeV [35.582 MeV] (A_Os:240)
184Os76 + 10 D* --> 159Tb65 + 45Sc21 + 197.708 MeV [31.369 MeV] (A_Os:241)
184Os76 + 10 D* --> 156Dy66 + 48Ca20 + 201.845 MeV [35.506 MeV] (A_Os:242)
184Os76 + 10 D* --> 158Dy66 + 46Ca20 + 200.648 MeV [34.309 MeV] (A_Os:243)
184Os76 + 10 D* --> 160Dy66 + 44Ca20 + 198.248 MeV [31.908 MeV] (A_Os:244)
184Os76 + 10 D* --> 161Dy66 + 43Ca20 + 193.571 MeV [27.232 MeV] (A_Os:245)
184Os76 + 10 D* --> 162Dy66 + 42Ca20 + 193.835 MeV [27.496 MeV] (A_Os:246)
184Os76 + 10 D* --> 164Dy66 + 40Ca20 + 187.921 MeV [21.581 MeV] (A_Os:247)
184Os76 + 10 D* --> 165Ho67 + 39K19 + 185.813 MeV [19.473 MeV] (A_Os:248)
184Os76 + 10 D* --> 164Er68 + 40Ar18 + 188.091 MeV [21.751 MeV] (A_Os:249)
184Os76 + 10 D* --> 166Er68 + 38Ar18 + 186.747 MeV [20.408 MeV] (A_Os:250)
184Os76 + 10 D* --> 168Er68 + 36Ar18 + 180.329 MeV [13.990 MeV] (A_Os:251)
184Os76 + 10 D* --> 169Tm69 + 35Cl17 + 177.395 MeV [11.055 MeV] (A_Os:252)
184Os76 + 10 D* --> 168Yb70 + 36S16 + 179.340 MeV [13.001 MeV] (A_Os:253)
184Os76 + 10 D* --> 170Yb70 + 34S16 + 177.802 MeV [11.463 MeV] (A_Os:254)
184Os76 + 10 D* --> 171Yb70 + 33S16 + 172.999 MeV [6.660 MeV] (A_Os:255)
184Os76 + 10 D* --> 172Yb70 + 32S16 + 172.377 MeV [6.038 MeV] (A_Os:256)
184Os76 + 10 D* --> 174Hf72 + 30Si14 + 167.381 MeV [1.041 MeV] (A_Os:257)
184Os76 + 10 D* --> 176Hf72 + 28Si14 + 163.171 MeV [-3.168 MeV] (A_Os:258)
184Os76 + 10 D* --> 180W74 + 24Mg12 + 150.679 MeV [-15.660 MeV] (A_Os:259)
184Os76 + 10 D* --> 184Os76 + 20Ne10 + 138.399 MeV [-27.940 MeV] (A_Os:260)

184Os76 + 11 D* --> 119Sn50 + 87Rb37 + 274.903 MeV [90.378 MeV] (A_Os:261)
184Os76 + 11 D* --> 123Sb51 + 83Kr36 + 269.443 MeV [84.918 MeV] (A_Os:262)
184Os76 + 11 D* --> 125Te52 + 81Br35 + 267.234 MeV [82.709 MeV] (A_Os:263)
184Os76 + 11 D* --> 131Xe54 + 75As33 + 261.684 MeV [77.160 MeV] (A_Os:264)
184Os76 + 11 D* --> 133Cs55 + 73Ge32 + 259.605 MeV [75.081 MeV] (A_Os:265)
184Os76 + 11 D* --> 135Ba56 + 71Ga31 + 258.228 MeV [73.703 MeV] (A_Os:266)
184Os76 + 11 D* --> 137Ba56 + 69Ga31 + 257.286 MeV [72.761 MeV] (A_Os:267)
184Os76 + 11 D* --> 138La57 + 68Zn30 + 256.769 MeV [72.244 MeV] (A_Os:268)
184Os76 + 11 D* --> 139La57 + 67Zn30 + 255.349 MeV [70.824 MeV] (A_Os:269)
184Os76 + 11 D* --> 153Eu63 + 53Cr24 + 228.895 MeV [44.370 MeV] (A_Os:270)
184Os76 + 11 D* --> 155Gd64 + 51V23 + 224.515 MeV [39.991 MeV] (A_Os:271)
184Os76 + 11 D* --> 156Gd64 + 50V23 + 222.001 MeV [37.476 MeV] (A_Os:272)
184Os76 + 11 D* --> 159Tb65 + 47Ti22 + 214.708 MeV [30.184 MeV] (A_Os:273)
184Os76 + 11 D* --> 161Dy66 + 45Sc21 + 209.366 MeV [24.841 MeV] (A_Os:274)
184Os76 + 11 D* --> 166Er68 + 40K19 + 198.704 MeV [14.179 MeV] (A_Os:275)
184Os76 + 11 D* --> 167Er68 + 39K19 + 197.341 MeV [12.816 MeV] (A_Os:276)
184Os76 + 11 D* --> 171Yb70 + 35Cl17 + 188.562 MeV [4.038 MeV] (A_Os:277)

184Os76 + 12 D* --> 104Ru44 + 104Ru44 + 289.550 MeV [86.565 MeV] (A_Os:278)
184Os76 + 12 D* --> 108Pd46 + 100Mo42 + 289.081 MeV [86.096 MeV] (A_Os:279)
184Os76 + 12 D* --> 110Pd46 + 98Mo42 + 289.833 MeV [86.848 MeV] (A_Os:280)
184Os76 + 12 D* --> 112Cd48 + 96Zr40 + 289.396 MeV [86.410 MeV] (A_Os:281)
184Os76 + 12 D* --> 114Cd48 + 94Zr40 + 290.660 MeV [87.675 MeV] (A_Os:282)
184Os76 + 12 D* --> 116Cd48 + 92Zr40 + 290.546 MeV [87.560 MeV] (A_Os:283)
184Os76 + 12 D* --> 120Sn50 + 88Sr38 + 292.399 MeV [89.414 MeV] (A_Os:284)
184Os76 + 12 D* --> 122Sn50 + 86Sr38 + 287.842 MeV [84.856 MeV] (A_Os:285)
184Os76 + 12 D* --> 124Sn50 + 84Sr38 + 282.253 MeV [79.268 MeV] (A_Os:286)
184Os76 + 12 D* --> 121Sb51 + 87Rb37 + 287.565 MeV [84.580 MeV] (A_Os:287)
184Os76 + 12 D* --> 123Sb51 + 85Rb37 + 284.764 MeV [81.778 MeV] (A_Os:288)
184Os76 + 12 D* --> 122Te52 + 86Kr36 + 286.952 MeV [83.967 MeV] (A_Os:289)
184Os76 + 12 D* --> 124Te52 + 84Kr36 + 286.328 MeV [83.342 MeV] (A_Os:290)
184Os76 + 12 D* --> 125Te52 + 83Kr36 + 282.376 MeV [79.391 MeV] (A_Os:291)
184Os76 + 12 D* --> 126Te52 + 82Kr36 + 284.027 MeV [81.041 MeV] (A_Os:292)
184Os76 + 12 D* --> 128Te52 + 80Kr36 + 280.257 MeV [77.272 MeV] (A_Os:293)
184Os76 + 12 D* --> 130Te52 + 78Kr36 + 274.904 MeV [71.918 MeV] (A_Os:294)
184Os76 + 12 D* --> 127I53 + 81Br35 + 280.330 MeV [77.345 MeV] (A_Os:295)
184Os76 + 12 D* --> 126Xe54 + 82Se34 + 280.135 MeV [77.149 MeV] (A_Os:296)
184Os76 + 12 D* --> 128Xe54 + 80Se34 + 280.992 MeV [78.007 MeV] (A_Os:297)
184Os76 + 12 D* --> 130Xe54 + 78Se34 + 280.280 MeV [77.295 MeV] (A_Os:298)
184Os76 + 12 D* --> 131Xe54 + 77Se34 + 276.387 MeV [73.402 MeV] (A_Os:299)
184Os76 + 12 D* --> 132Xe54 + 76Se34 + 277.905 MeV [74.919 MeV] (A_Os:300)
184Os76 + 12 D* --> 134Xe54 + 74Se34 + 273.710 MeV [70.724 MeV] (A_Os:301)
184Os76 + 12 D* --> 133Cs55 + 75As33 + 274.476 MeV [71.490 MeV] (A_Os:302)
184Os76 + 12 D* --> 132Ba56 + 76Ge32 + 275.020 MeV [72.035 MeV] (A_Os:303)
184Os76 + 12 D* --> 134Ba56 + 74Ge32 + 275.745 MeV [72.759 MeV] (A_Os:304)
184Os76 + 12 D* --> 135Ba56 + 73Ge32 + 272.521 MeV [69.535 MeV] (A_Os:305)
184Os76 + 12 D* --> 136Ba56 + 72Ge32 + 274.845 MeV [71.860 MeV] (A_Os:306)
184Os76 + 12 D* --> 138Ba56 + 70Ge32 + 272.197 MeV [69.212 MeV] (A_Os:307)
184Os76 + 12 D* --> 139La57 + 69Ga31 + 269.932 MeV [66.946 MeV] (A_Os:308)
184Os76 + 12 D* --> 138Ce58 + 70Zn30 + 270.506 MeV [67.520 MeV] (A_Os:309)
184Os76 + 12 D* --> 140Ce58 + 68Zn30 + 271.463 MeV [68.477 MeV] (A_Os:310)
184Os76 + 12 D* --> 142Ce58 + 66Zn30 + 266.810 MeV [63.825 MeV] (A_Os:311)
184Os76 + 12 D* --> 144Nd60 + 64Ni28 + 264.225 MeV [61.239 MeV] (A_Os:312)
184Os76 + 12 D* --> 146Nd60 + 62Ni28 + 261.050 MeV [58.064 MeV] (A_Os:313)
184Os76 + 12 D* --> 148Nd60 + 60Ni28 + 255.258 MeV [52.272 MeV] (A_Os:314)
184Os76 + 12 D* --> 150Nd60 + 58Ni28 + 247.290 MeV [44.304 MeV] (A_Os:315)
184Os76 + 12 D* --> 150Sm62 + 58Fe26 + 252.583 MeV [49.598 MeV] (A_Os:316)
184Os76 + 12 D* --> 152Sm62 + 56Fe26 + 248.747 MeV [45.761 MeV] (A_Os:317)
184Os76 + 12 D* --> 154Sm62 + 54Fe26 + 242.087 MeV [39.101 MeV] (A_Os:318)
184Os76 + 12 D* --> 153Eu63 + 55Mn25 + 244.457 MeV [41.471 MeV] (A_Os:319)
184Os76 + 12 D* --> 154Gd64 + 54Cr24 + 244.018 MeV [41.033 MeV] (A_Os:320)
184Os76 + 12 D* --> 155Gd64 + 53Cr24 + 240.734 MeV [37.749 MeV] (A_Os:321)
184Os76 + 12 D* --> 156Gd64 + 52Cr24 + 241.332 MeV [38.346 MeV] (A_Os:322)
184Os76 + 12 D* --> 158Gd64 + 50Cr24 + 234.329 MeV [31.343 MeV] (A_Os:323)
184Os76 + 12 D* --> 158Dy66 + 50Ti22 + 235.211 MeV [32.226 MeV] (A_Os:324)
184Os76 + 12 D* --> 160Dy66 + 48Ti22 + 231.538 MeV [28.553 MeV] (A_Os:325)
184Os76 + 12 D* --> 161Dy66 + 47Ti22 + 226.366 MeV [23.380 MeV] (A_Os:326)
184Os76 + 12 D* --> 162Dy66 + 46Ti22 + 225.683 MeV [22.697 MeV] (A_Os:327)
184Os76 + 12 D* --> 162Er68 + 46Ca20 + 222.850 MeV [19.865 MeV] (A_Os:328)
184Os76 + 12 D* --> 164Er68 + 44Ca20 + 220.791 MeV [17.805 MeV] (A_Os:329)
184Os76 + 12 D* --> 166Er68 + 42Ca20 + 216.851 MeV [13.866 MeV] (A_Os:330)

184Os76 + 12 D* --> 168Er68 + 40Ca20 + 211.216 MeV [8.230 MeV] (A_Os:331)
184Os76 + 12 D* --> 169Tm69 + 39K19 + 208.459 MeV [5.474 MeV] (A_Os:332)
184Os76 + 12 D* --> 168Yb70 + 40Ar18 + 209.987 MeV [7.001 MeV] (A_Os:333)
184Os76 + 12 D* --> 170Yb70 + 38Ar18 + 208.856 MeV [5.870 MeV] (A_Os:334)
184Os76 + 12 D* --> 172Yb70 + 36Ar18 + 202.864 MeV [-0.121 MeV] (A_Os:335)
184Os76 + 12 D* --> 174Hf72 + 34S16 + 199.151 MeV [-3.835 MeV] (A_Os:336)
184Os76 + 12 D* --> 176Hf72 + 32S16 + 193.966 MeV [-9.020 MeV] (A_Os:337)
184Os76 + 12 D* --> 180W74 + 28Si14 + 184.510 MeV [-18.476 MeV] (A_Os:338)
184Os76 + 12 D* --> 184Os76 + 24Mg12 + 171.562 MeV [-31.423 MeV] (A_Os:339)

186Os76 + D* --> 173Yb70 + 15N7 + 27.591 MeV [12.308 MeV] (A_Os:340)
186Os76 + D* --> 174Yb70 + 14N7 + 24.222 MeV [8.939 MeV] (A_Os:341)
186Os76 + D* --> 175Lu71 + 13C6 + 22.182 MeV [6.899 MeV] (A_Os:342)
186Os76 + D* --> 176Lu71 + 12C6 + 23.524 MeV [8.240 MeV] (A_Os:343)
186Os76 + D* --> 177Hf72 + 11B5 + 14.358 MeV [-0.925 MeV] (A_Os:344)
186Os76 + D* --> 178Hf72 + 10B5 + 10.530 MeV [-4.753 MeV] (A_Os:345)
186Os76 + D* --> 182W74 + 6Li3 + 4.297 MeV [-10.986 MeV] (A_Os:346)
186Os76 + D* --> 187Os76 + 1H1 + 4.065 MeV [-11.218 MeV] (A_Os:347)

186Os76 + 2 D* --> 136Xe54 + 54Cr24 + 126.630 MeV [95.770 MeV] (A_Os:348)
186Os76 + 2 D* --> 142Ce58 + 48Ca20 + 112.025 MeV [81.165 MeV] (A_Os:349)
186Os76 + 2 D* --> 150Nd60 + 40Ar18 + 92.002 MeV [61.142 MeV] (A_Os:350)
186Os76 + 2 D* --> 154Sm62 + 36S16 + 86.398 MeV [55.538 MeV] (A_Os:351)
186Os76 + 2 D* --> 160Gd64 + 30Si14 + 75.654 MeV [44.794 MeV] (A_Os:352)
186Os76 + 2 D* --> 164Dy66 + 26Mg12 + 65.460 MeV [34.600 MeV] (A_Os:353)
186Os76 + 2 D* --> 168Er68 + 22Ne10 + 54.293 MeV [23.434 MeV] (A_Os:354)
186Os76 + 2 D* --> 170Er68 + 20Ne10 + 50.429 MeV [19.569 MeV] (A_Os:355)
186Os76 + 2 D* --> 172Yb70 + 18O8 + 43.314 MeV [12.454 MeV] (A_Os:356)
186Os76 + 2 D* --> 173Yb70 + 17O8 + 41.637 MeV [10.778 MeV] (A_Os:357)
186Os76 + 2 D* --> 174Yb70 + 16O8 + 44.959 MeV [14.099 MeV] (A_Os:358)
186Os76 + 2 D* --> 175Lu71 + 15N7 + 38.341 MeV [7.482 MeV] (A_Os:359)
186Os76 + 2 D* --> 176Lu71 + 14N7 + 33.796 MeV [2.936 MeV] (A_Os:360)
186Os76 + 2 D* --> 177Hf72 + 13C6 + 33.037 MeV [2.177 MeV] (A_Os:361)
186Os76 + 2 D* --> 178Hf72 + 12C6 + 35.716 MeV [4.857 MeV] (A_Os:362)
186Os76 + 2 D* --> 180Ta73 + 10B5 + 20.157 MeV [-10.702 MeV] (A_Os:363)
186Os76 + 2 D* --> 186Os76 + 4He2 + 23.847 MeV [-7.013 MeV] (A_Os:364)
186Os76 + 2 D* --> 187Os76 + 3He2 + 9.559 MeV [-21.301 MeV] (A_Os:365)
186Os76 + 2 D* --> 190Pt78 + 20.595 MeV [-10.264 MeV] (A_Os:366)

186Os76 + 3 D* --> 173Yb70 + 19F9 + 55.451 MeV [8.724 MeV] (A_Os:367)
186Os76 + 3 D* --> 175Lu71 + 17O8 + 52.387 MeV [5.660 MeV] (A_Os:368)
186Os76 + 3 D* --> 176Lu71 + 16O8 + 54.532 MeV [7.805 MeV] (A_Os:369)
186Os76 + 3 D* --> 177Hf72 + 15N7 + 49.196 MeV [2.469 MeV] (A_Os:370)
186Os76 + 3 D* --> 178Hf72 + 14N7 + 45.989 MeV [-0.738 MeV] (A_Os:371)
186Os76 + 3 D* --> 180Ta73 + 12C6 + 45.344 MeV [-1.383 MeV] (A_Os:372)
186Os76 + 3 D* --> 182W74 + 10B5 + 32.604 MeV [-14.123 MeV] (A_Os:373)
186Os76 + 3 D* --> 186Os76 + 6Li3 + 25.320 MeV [-21.407 MeV] (A_Os:374)
186Os76 + 3 D* --> 190Pt78 + 2H1 + 20.595 MeV [-26.132 MeV] (A_Os:375)

186Os76 + 4 D* --> 124Sn50 + 70Zn30 + 167.345 MeV [104.461 MeV] (A_Os:376)
186Os76 + 4 D* --> 130Te52 + 64Ni28 + 163.994 MeV [101.110 MeV] (A_Os:377)
186Os76 + 4 D* --> 136Xe54 + 58Fe26 + 158.122 MeV [95.238 MeV] (A_Os:378)
186Os76 + 4 D* --> 146Nd60 + 48Ca20 + 134.689 MeV [71.805 MeV] (A_Os:379)
186Os76 + 4 D* --> 148Nd60 + 46Ca20 + 130.092 MeV [67.208 MeV] (A_Os:380)

186Os76 + 4 D* --> 150Nd60 + 44Ca20 + 124.702 MeV [61.818 MeV] (A_Os:381)
186Os76 + 4 D* --> 154Sm62 + 40Ar18 + 117.045 MeV [54.161 MeV] (A_Os:382)
186Os76 + 4 D* --> 158Gd64 + 36S16 + 110.904 MeV [48.020 MeV] (A_Os:383)
186Os76 + 4 D* --> 160Gd64 + 34S16 + 107.424 MeV [44.540 MeV] (A_Os:384)
186Os76 + 4 D* --> 164Dy66 + 30Si14 + 99.950 MeV [37.066 MeV] (A_Os:385)
186Os76 + 4 D* --> 168Er68 + 26Mg12 + 88.755 MeV [25.871 MeV] (A_Os:386)
186Os76 + 4 D* --> 170Er68 + 24Mg12 + 83.592 MeV [20.708 MeV] (A_Os:387)
186Os76 + 4 D* --> 172Yb70 + 22Ne10 + 76.828 MeV [13.945 MeV] (A_Os:388)
186Os76 + 4 D* --> 173Yb70 + 21Ne10 + 72.831 MeV [9.948 MeV] (A_Os:389)
186Os76 + 4 D* --> 174Yb70 + 20Ne10 + 73.535 MeV [10.651 MeV] (A_Os:390)
186Os76 + 4 D* --> 175Lu71 + 19F9 + 66.201 MeV [3.318 MeV] (A_Os:391)
186Os76 + 4 D* --> 176Hf72 + 18O8 + 64.902 MeV [2.019 MeV] (A_Os:392)
186Os76 + 4 D* --> 177Hf72 + 17O8 + 63.242 MeV [00.358 MeV] (A_Os:393)
186Os76 + 4 D* --> 178Hf72 + 16O8 + 66.725 MeV [3.841 MeV] (A_Os:394)
186Os76 + 4 D* --> 180Ta73 + 14N7 + 55.616 MeV [-7.268 MeV] (A_Os:395)
186Os76 + 4 D* --> 182W74 + 12C6 + 57.791 MeV [-5.093 MeV] (A_Os:396)
186Os76 + 4 D* --> 190Pt78 + 4He2 + 44.442 MeV [-18.442 MeV] (A_Os:397)

186Os76 + 5 D* --> 173Yb70 + 23Na11 + 89.765 MeV [10.437 MeV] (A_Os:398)
186Os76 + 5 D* --> 175Lu71 + 21Ne10 + 83.582 MeV [4.253 MeV] (A_Os:399)
186Os76 + 5 D* --> 176Lu71 + 20Ne10 + 83.108 MeV [3.780 MeV] (A_Os:400)
186Os76 + 5 D* --> 177Hf72 + 19F9 + 77.056 MeV [-2.272 MeV] (A_Os:401)
186Os76 + 5 D* --> 180Ta73 + 16O8 + 76.352 MeV [-2.976 MeV] (A_Os:402)
186Os76 + 5 D* --> 182W74 + 14N7 + 68.063 MeV [-11.265 MeV] (A_Os:403)
186Os76 + 5 D* --> 186Os76 + 10B5 + 53.628 MeV [-25.700 MeV] (A_Os:404)
186Os76 + 5 D* --> 190Pt78 + 6Li3 + 45.916 MeV [-33.412 MeV] (A_Os:405)

186Os76 + 6 D* --> 116Cd48 + 82Se34 + 202.128 MeV [106.070 MeV] (A_Os:406)
186Os76 + 6 D* --> 122Sn50 + 76Ge32 + 198.974 MeV [102.916 MeV] (A_Os:407)
186Os76 + 6 D* --> 124Sn50 + 74Ge32 + 197.474 MeV [101.416 MeV] (A_Os:408)
186Os76 + 6 D* --> 128Te52 + 70Zn30 + 194.372 MeV [98.314 MeV] (A_Os:409)
186Os76 + 6 D* --> 130Te52 + 68Zn30 + 193.173 MeV [97.115 MeV] (A_Os:410)
186Os76 + 6 D* --> 134Xe54 + 64Ni28 + 191.039 MeV [94.981 MeV] (A_Os:411)
186Os76 + 6 D* --> 136Xe54 + 62Ni28 + 188.986 MeV [92.928 MeV] (A_Os:412)
186Os76 + 6 D* --> 148Nd60 + 50Ti22 + 164.655 MeV [68.597 MeV] (A_Os:413)
186Os76 + 6 D* --> 150Nd60 + 48Ti22 + 157.992 MeV [61.934 MeV] (A_Os:414)
186Os76 + 6 D* --> 150Sm62 + 48Ca20 + 157.086 MeV [61.028 MeV] (A_Os:415)
186Os76 + 6 D* --> 152Sm62 + 46Ca20 + 153.719 MeV [57.661 MeV] (A_Os:416)
186Os76 + 6 D* --> 154Sm62 + 44Ca20 + 149.745 MeV [53.687 MeV] (A_Os:417)
186Os76 + 6 D* --> 158Gd64 + 40Ar18 + 141.552 MeV [45.493 MeV] (A_Os:418)
186Os76 + 6 D* --> 160Gd64 + 38Ar18 + 138.478 MeV [42.420 MeV] (A_Os:419)
186Os76 + 6 D* --> 162Dy66 + 36S16 + 134.666 MeV [38.608 MeV] (A_Os:420)
186Os76 + 6 D* --> 164Dy66 + 34S16 + 131.720 MeV [35.662 MeV] (A_Os:421)
186Os76 + 6 D* --> 168Er68 + 30Si14 + 123.245 MeV [27.186 MeV] (A_Os:422)
186Os76 + 6 D* --> 170Er68 + 28Si14 + 117.422 MeV [21.364 MeV] (A_Os:423)
186Os76 + 6 D* --> 172Yb70 + 26Mg12 + 111.290 MeV [15.232 MeV] (A_Os:424)
186Os76 + 6 D* --> 173Yb70 + 25Mg12 + 106.564 MeV [10.506 MeV] (A_Os:425)
186Os76 + 6 D* --> 174Yb70 + 24Mg12 + 106.698 MeV [10.640 MeV] (A_Os:426)
186Os76 + 6 D* --> 175Lu71 + 23Na11 + 100.515 MeV [4.457 MeV] (A_Os:427)
186Os76 + 6 D* --> 176Hf72 + 22Ne10 + 98.417 MeV [2.359 MeV] (A_Os:428)
186Os76 + 6 D* --> 177Hf72 + 21Ne10 + 94.436 MeV [-1.622 MeV] (A_Os:429)
186Os76 + 6 D* --> 178Hf72 + 20Ne10 + 95.301 MeV [-0.757 MeV] (A_Os:430)
186Os76 + 6 D* --> 180W74 + 18O8 + 86.241 MeV [-9.817 MeV] (A_Os:431)
186Os76 + 6 D* --> 182W74 + 16O8 + 88.799 MeV [-7.259 MeV] (A_Os:432)

186Os76 + 6 D* --> 186Os76 + 12C6 + 78.814 MeV [-17.244 MeV] (A_Os:433)

186Os76 + 7 D* --> 150Nd60 + 50V23 + 171.862 MeV [58.790 MeV] (A_Os:434)
186Os76 + 7 D* --> 160Gd64 + 40K19 + 150.434 MeV [37.363 MeV] (A_Os:435)
186Os76 + 7 D* --> 163Dy66 + 37Cl17 + 147.099 MeV [34.027 MeV] (A_Os:436)
186Os76 + 7 D* --> 173Yb70 + 27Al13 + 123.704 MeV [10.632 MeV] (A_Os:437)
186Os76 + 7 D* --> 175Lu71 + 25Mg12 + 117.314 MeV [4.242 MeV] (A_Os:438)
186Os76 + 7 D* --> 176Lu71 + 24Mg12 + 116.272 MeV [3.200 MeV] (A_Os:439)
186Os76 + 7 D* --> 177Hf72 + 23Na11 + 111.370 MeV [-1.702 MeV] (A_Os:440)
186Os76 + 7 D* --> 180Ta73 + 20Ne10 + 104.929 MeV [-8.143 MeV] (A_Os:441)
186Os76 + 7 D* --> 186Os76 + 14N7 + 89.087 MeV [-23.985 MeV] (A_Os:442)
186Os76 + 7 D* --> 190Pt78 + 10B5 + 74.223 MeV [-38.849 MeV] (A_Os:443)

186Os76 + 8 D* --> 116Cd48 + 86Kr36 + 234.071 MeV [103.704 MeV] (A_Os:444)
186Os76 + 8 D* --> 120Sn50 + 82Se34 + 230.785 MeV [100.418 MeV] (A_Os:445)
186Os76 + 8 D* --> 122Sn50 + 80Se34 + 229.792 MeV [99.424 MeV] (A_Os:446)
186Os76 + 8 D* --> 124Sn50 + 78Se34 + 227.349 MeV [96.981 MeV] (A_Os:447)
186Os76 + 8 D* --> 126Te52 + 76Ge32 + 225.364 MeV [94.996 MeV] (A_Os:448)
186Os76 + 8 D* --> 128Te52 + 74Ge32 + 224.501 MeV [94.133 MeV] (A_Os:449)
186Os76 + 8 D* --> 130Te52 + 72Ge32 + 222.024 MeV [91.656 MeV] (A_Os:450)
186Os76 + 8 D* --> 132Xe54 + 70Zn30 + 220.931 MeV [90.564 MeV] (A_Os:451)
186Os76 + 8 D* --> 134Xe54 + 68Zn30 + 220.218 MeV [89.850 MeV] (A_Os:452)
186Os76 + 8 D* --> 136Xe54 + 66Zn30 + 217.411 MeV [87.043 MeV] (A_Os:453)
186Os76 + 8 D* --> 138Ba56 + 64Ni28 + 217.447 MeV [87.079 MeV] (A_Os:454)
186Os76 + 8 D* --> 148Nd60 + 54Cr24 + 196.432 MeV [66.065 MeV] (A_Os:455)
186Os76 + 8 D* --> 150Nd60 + 52Cr24 + 191.193 MeV [60.825 MeV] (A_Os:456)
186Os76 + 8 D* --> 152Sm62 + 50Ti22 + 188.282 MeV [57.914 MeV] (A_Os:457)
186Os76 + 8 D* --> 154Sm62 + 48Ti22 + 183.036 MeV [52.668 MeV] (A_Os:458)
186Os76 + 8 D* --> 154Gd64 + 48Ca20 + 180.014 MeV [49.646 MeV] (A_Os:459)
186Os76 + 8 D* --> 156Gd64 + 46Ca20 + 177.764 MeV [47.396 MeV] (A_Os:460)
186Os76 + 8 D* --> 158Gd64 + 44Ca20 + 174.252 MeV [43.884 MeV] (A_Os:461)
186Os76 + 8 D* --> 160Gd64 + 42Ca20 + 168.582 MeV [38.214 MeV] (A_Os:462)
186Os76 + 8 D* --> 162Dy66 + 40Ar18 + 165.313 MeV [34.945 MeV] (A_Os:463)
186Os76 + 8 D* --> 164Dy66 + 38Ar18 + 162.774 MeV [32.406 MeV] (A_Os:464)
186Os76 + 8 D* --> 165Ho67 + 37Cl17 + 158.752 MeV [28.385 MeV] (A_Os:465)
186Os76 + 8 D* --> 166Er68 + 36S16 + 157.682 MeV [27.314 MeV] (A_Os:466)
186Os76 + 8 D* --> 168Er68 + 34S16 + 155.015 MeV [24.647 MeV] (A_Os:467)
186Os76 + 8 D* --> 170Er68 + 32S16 + 148.217 MeV [17.849 MeV] (A_Os:468)
186Os76 + 8 D* --> 172Yb70 + 30Si14 + 145.780 MeV [15.412 MeV] (A_Os:469)
186Os76 + 8 D* --> 173Yb70 + 29Si14 + 141.538 MeV [11.170 MeV] (A_Os:470)
186Os76 + 8 D* --> 174Yb70 + 28Si14 + 140.529 MeV [10.161 MeV] (A_Os:471)
186Os76 + 8 D* --> 175Lu71 + 27Al13 + 134.454 MeV [4.086 MeV] (A_Os:472)
186Os76 + 8 D* --> 176Hf72 + 26Mg12 + 132.878 MeV [2.511 MeV] (A_Os:473)
186Os76 + 8 D* --> 177Hf72 + 25Mg12 + 128.169 MeV [-2.199 MeV] (A_Os:474)
186Os76 + 8 D* --> 178Hf72 + 24Mg12 + 128.464 MeV [-1.904 MeV] (A_Os:475)
186Os76 + 8 D* --> 180W74 + 22Ne10 + 119.755 MeV [-10.612 MeV] (A_Os:476)
186Os76 + 8 D* --> 182W74 + 20Ne10 + 117.376 MeV [-12.992 MeV] (A_Os:477)
186Os76 + 8 D* --> 184Os76 + 18O8 + 107.124 MeV [-23.244 MeV] (A_Os:478)
186Os76 + 8 D* --> 186Os76 + 16O8 + 109.823 MeV [-20.545 MeV] (A_Os:479)
186Os76 + 8 D* --> 190Pt78 + 12C6 + 99.410 MeV [-30.958 MeV] (A_Os:480)

186Os76 + 9 D* --> 154Sm62 + 50V23 + 196.905 MeV [48.961 MeV] (A_Os:481)
186Os76 + 9 D* --> 163Dy66 + 41K19 + 177.168 MeV [29.224 MeV] (A_Os:482)
186Os76 + 9 D* --> 164Dy66 + 40K19 + 174.731 MeV [26.786 MeV] (A_Os:483)

186Os76 + 9 D* --> 167Er68 + 37Cl17 + 170.280 MeV [22.336 MeV] (A_Os:484)
186Os76 + 9 D* --> 173Yb70 + 31P15 + 157.219 MeV [9.275 MeV] (A_Os:485)
186Os76 + 9 D* --> 175Lu71 + 29Si14 + 152.288 MeV [4.344 MeV] (A_Os:486)
186Os76 + 9 D* --> 176Lu71 + 28Si14 + 150.102 MeV [2.158 MeV] (A_Os:487)
186Os76 + 9 D* --> 177Hf72 + 27Al13 + 145.308 MeV [-2.636 MeV] (A_Os:488)
186Os76 + 9 D* --> 180Ta73 + 24Mg12 + 138.092 MeV [-9.852 MeV] (A_Os:489)
186Os76 + 9 D* --> 190Pt78 + 14N7 + 109.682 MeV [-38.262 MeV] (A_Os:490)

186Os76 + 10 D* --> 110Pd46 + 96Zr40 + 262.150 MeV [96.351 MeV] (A_Os:491)
186Os76 + 10 D* --> 120Sn50 + 86Kr36 + 262.728 MeV [96.929 MeV] (A_Os:492)
186Os76 + 10 D* --> 122Sn50 + 84Kr36 + 260.735 MeV [94.936 MeV] (A_Os:493)
186Os76 + 10 D* --> 124Sn50 + 82Kr36 + 257.184 MeV [91.385 MeV] (A_Os:494)
186Os76 + 10 D* --> 124Te52 + 82Se34 + 256.476 MeV [90.677 MeV] (A_Os:495)
186Os76 + 10 D* --> 126Te52 + 80Se34 + 256.182 MeV [90.383 MeV] (A_Os:496)
186Os76 + 10 D* --> 128Te52 + 78Se34 + 254.376 MeV [88.577 MeV] (A_Os:497)
186Os76 + 10 D* --> 130Te52 + 76Se34 + 250.961 MeV [85.162 MeV] (A_Os:498)
186Os76 + 10 D* --> 130Xe54 + 76Ge32 + 251.453 MeV [85.653 MeV] (A_Os:499)
186Os76 + 10 D* --> 132Xe54 + 74Ge32 + 251.061 MeV [85.261 MeV] (A_Os:500)
186Os76 + 10 D* --> 134Xe54 + 72Ge32 + 249.068 MeV [83.269 MeV] (A_Os:501)
186Os76 + 10 D* --> 136Xe54 + 70Ge32 + 245.346 MeV [79.547 MeV] (A_Os:502)
186Os76 + 10 D* --> 136Ba56 + 70Zn30 + 246.809 MeV [81.010 MeV] (A_Os:503)
186Os76 + 10 D* --> 138Ba56 + 68Zn30 + 246.627 MeV [80.827 MeV] (A_Os:504)
186Os76 + 10 D* --> 142Ce58 + 64Ni28 + 239.995 MeV [74.196 MeV] (A_Os:505)
186Os76 + 10 D* --> 148Nd60 + 58Fe26 + 227.925 MeV [62.125 MeV] (A_Os:506)
186Os76 + 10 D* --> 150Nd60 + 56Fe26 + 222.653 MeV [56.854 MeV] (A_Os:507)
186Os76 + 10 D* --> 152Sm62 + 54Cr24 + 220.059 MeV [54.260 MeV] (A_Os:508)
186Os76 + 10 D* --> 154Sm62 + 52Cr24 + 216.236 MeV [50.437 MeV] (A_Os:509)
186Os76 + 10 D* --> 156Gd64 + 50Ti22 + 212.327 MeV [46.527 MeV] (A_Os:510)
186Os76 + 10 D* --> 157Gd64 + 49Ti22 + 207.747 MeV [41.948 MeV] (A_Os:511)
186Os76 + 10 D* --> 158Gd64 + 48Ti22 + 207.542 MeV [41.743 MeV] (A_Os:512)
186Os76 + 10 D* --> 160Gd64 + 46Ti22 + 200.430 MeV [34.631 MeV] (A_Os:513)
186Os76 + 10 D* --> 158Dy66 + 48Ca20 + 202.984 MeV [37.185 MeV] (A_Os:514)
186Os76 + 10 D* --> 160Dy66 + 46Ca20 + 201.171 MeV [35.372 MeV] (A_Os:515)
186Os76 + 10 D* --> 162Dy66 + 44Ca20 + 198.013 MeV [32.214 MeV] (A_Os:516)
186Os76 + 10 D* --> 163Dy66 + 43Ca20 + 193.153 MeV [27.354 MeV] (A_Os:517)
186Os76 + 10 D* --> 164Dy66 + 42Ca20 + 192.878 MeV [27.079 MeV] (A_Os:518)
186Os76 + 10 D* --> 165Ho67 + 41K19 + 188.821 MeV [23.022 MeV] (A_Os:519)
186Os76 + 10 D* --> 166Er68 + 40Ar18 + 188.329 MeV [22.530 MeV] (A_Os:520)
186Os76 + 10 D* --> 168Er68 + 38Ar18 + 186.069 MeV [20.270 MeV] (A_Os:521)
186Os76 + 10 D* --> 170Er68 + 36Ar18 + 178.704 MeV [12.905 MeV] (A_Os:522)
186Os76 + 10 D* --> 169Tm69 + 37Cl17 + 181.399 MeV [15.600 MeV] (A_Os:523)
186Os76 + 10 D* --> 170Yb70 + 36S16 + 179.791 MeV [13.992 MeV] (A_Os:524)
186Os76 + 10 D* --> 172Yb70 + 34S16 + 177.550 MeV [11.751 MeV] (A_Os:525)
186Os76 + 10 D* --> 173Yb70 + 33S16 + 172.500 MeV [6.701 MeV] (A_Os:526)
186Os76 + 10 D* --> 174Yb70 + 32S16 + 171.323 MeV [5.524 MeV] (A_Os:527)
186Os76 + 10 D* --> 175Lu71 + 31P15 + 167.969 MeV [2.170 MeV] (A_Os:528)
186Os76 + 10 D* --> 176Hf72 + 30Si14 + 167.368 MeV [1.569 MeV] (A_Os:529)
186Os76 + 10 D* --> 177Hf72 + 29Si14 + 163.142 MeV [-2.657 MeV] (A_Os:530)
186Os76 + 10 D* --> 178Hf72 + 28Si14 + 162.295 MeV [-3.504 MeV] (A_Os:531)
186Os76 + 10 D* --> 180W74 + 26Mg12 + 154.217 MeV [-11.582 MeV] (A_Os:532)
186Os76 + 10 D* --> 182W74 + 24Mg12 + 150.539 MeV [-15.260 MeV] (A_Os:533)
186Os76 + 10 D* --> 184Os76 + 22Ne10 + 140.639 MeV [-25.161 MeV] (A_Os:534)
186Os76 + 10 D* --> 186Os76 + 20Ne10 + 138.399 MeV [-27.400 MeV] (A_Os:535)
186Os76 + 10 D* --> 190Pt78 + 16O8 + 130.418 MeV [-35.381 MeV] (A_Os:536)

186Os76 + 11 D* --> 137Ba56 + 71Ga31 + 259.355 MeV [75.424 MeV] (A_Os:537)
186Os76 + 11 D* --> 138La57 + 70Zn30 + 257.583 MeV [73.651 MeV] (A_Os:538)
186Os76 + 11 D* --> 157Gd64 + 51V23 + 224.526 MeV [40.594 MeV] (A_Os:539)
186Os76 + 11 D* --> 158Gd64 + 50V23 + 221.412 MeV [37.480 MeV] (A_Os:540)
186Os76 + 11 D* --> 159Tb65 + 49Ti22 + 219.591 MeV [35.660 MeV] (A_Os:541)
186Os76 + 11 D* --> 163Dy66 + 45Sc21 + 208.948 MeV [25.016 MeV] (A_Os:542)
186Os76 + 11 D* --> 165Ho67 + 43Ca20 + 204.807 MeV [20.875 MeV] (A_Os:543)
186Os76 + 11 D* --> 167Er68 + 41K19 + 200.349 MeV [16.418 MeV] (A_Os:544)
186Os76 + 11 D* --> 168Er68 + 40K19 + 198.025 MeV [14.094 MeV] (A_Os:545)
186Os76 + 11 D* --> 171Yb70 + 37Cl17 + 192.567 MeV [8.636 MeV] (A_Os:546)
186Os76 + 11 D* --> 173Yb70 + 35Cl17 + 188.063 MeV [4.132 MeV] (A_Os:547)
186Os76 + 11 D* --> 175Lu71 + 33S16 + 183.250 MeV [-0.681 MeV] (A_Os:548)
186Os76 + 11 D* --> 176Lu71 + 32S16 + 180.897 MeV [-3.035 MeV] (A_Os:549)
186Os76 + 11 D* --> 177Hf72 + 31P15 + 178.824 MeV [-5.107 MeV] (A_Os:550)
186Os76 + 11 D* --> 180Ta73 + 28Si14 + 171.922 MeV [-12.009 MeV] (A_Os:551)

186Os76 + 12 D* --> 110Pd46 + 100Mo42 + 289.163 MeV [86.824 MeV] (A_Os:552)
186Os76 + 12 D* --> 114Cd48 + 96Zr40 + 290.093 MeV [87.754 MeV] (A_Os:553)
186Os76 + 12 D* --> 116Cd48 + 94Zr40 + 290.615 MeV [88.276 MeV] (A_Os:554)
186Os76 + 12 D* --> 122Sn50 + 88Sr38 + 292.497 MeV [90.158 MeV] (A_Os:555)
186Os76 + 12 D* --> 124Sn50 + 86Sr38 + 287.390 MeV [85.050 MeV] (A_Os:556)
186Os76 + 12 D* --> 123Sb51 + 87Rb37 + 288.451 MeV [86.112 MeV] (A_Os:557)
186Os76 + 12 D* --> 124Te52 + 86Kr36 + 288.419 MeV [86.080 MeV] (A_Os:558)
186Os76 + 12 D* --> 126Te52 + 84Kr36 + 287.125 MeV [84.786 MeV] (A_Os:559)
186Os76 + 12 D* --> 128Te52 + 82Kr36 + 284.211 MeV [81.872 MeV] (A_Os:560)
186Os76 + 12 D* --> 130Te52 + 80Kr36 + 279.873 MeV [77.534 MeV] (A_Os:561)
186Os76 + 12 D* --> 128Xe54 + 82Se34 + 282.083 MeV [79.744 MeV] (A_Os:562)
186Os76 + 12 D* --> 130Xe54 + 80Se34 + 282.271 MeV [79.932 MeV] (A_Os:563)
186Os76 + 12 D* --> 132Xe54 + 78Se34 + 280.936 MeV [78.597 MeV] (A_Os:564)
186Os76 + 12 D* --> 134Xe54 + 76Se34 + 278.006 MeV [75.667 MeV] (A_Os:565)
186Os76 + 12 D* --> 136Xe54 + 74Se34 + 273.267 MeV [70.928 MeV] (A_Os:566)
186Os76 + 12 D* --> 134Ba56 + 76Ge32 + 276.792 MeV [74.453 MeV] (A_Os:567)
186Os76 + 12 D* --> 136Ba56 + 74Ge32 + 276.939 MeV [74.599 MeV] (A_Os:568)
186Os76 + 12 D* --> 137Ba56 + 73Ge32 + 273.648 MeV [71.309 MeV] (A_Os:569)
186Os76 + 12 D* --> 138Ba56 + 72Ge32 + 275.477 MeV [73.138 MeV] (A_Os:570)
186Os76 + 12 D* --> 139La57 + 71Ga31 + 272.001 MeV [69.662 MeV] (A_Os:571)
186Os76 + 12 D* --> 140Ce58 + 70Zn30 + 272.277 MeV [69.938 MeV] (A_Os:572)
186Os76 + 12 D* --> 142Ce58 + 68Zn30 + 269.175 MeV [66.836 MeV] (A_Os:573)
186Os76 + 12 D* --> 146Nd60 + 64Ni28 + 262.660 MeV [60.320 MeV] (A_Os:574)
186Os76 + 12 D* --> 148Nd60 + 62Ni28 + 258.789 MeV [56.450 MeV] (A_Os:575)
186Os76 + 12 D* --> 150Nd60 + 60Ni28 + 252.791 MeV [50.452 MeV] (A_Os:576)
186Os76 + 12 D* --> 152Sm62 + 58Fe26 + 251.551 MeV [49.212 MeV] (A_Os:577)
186Os76 + 12 D* --> 154Sm62 + 56Fe26 + 247.696 MeV [45.357 MeV] (A_Os:578)
186Os76 + 12 D* --> 156Gd64 + 54Cr24 + 244.104 MeV [41.765 MeV] (A_Os:579)
186Os76 + 12 D* --> 157Gd64 + 53Cr24 + 240.745 MeV [38.405 MeV] (A_Os:580)
186Os76 + 12 D* --> 158Gd64 + 52Cr24 + 240.743 MeV [38.404 MeV] (A_Os:581)
186Os76 + 12 D* --> 160Gd64 + 50Cr24 + 232.837 MeV [30.498 MeV] (A_Os:582)
186Os76 + 12 D* --> 159Tb65 + 51V23 + 236.370 MeV [34.030 MeV] (A_Os:583)
186Os76 + 12 D* --> 160Dy66 + 50Ti22 + 235.734 MeV [33.395 MeV] (A_Os:584)
186Os76 + 12 D* --> 161Dy66 + 49Ti22 + 231.249 MeV [28.910 MeV] (A_Os:585)
186Os76 + 12 D* --> 162Dy66 + 48Ti22 + 231.304 MeV [28.965 MeV] (A_Os:586)
186Os76 + 12 D* --> 163Dy66 + 47Ti22 + 225.948 MeV [23.609 MeV] (A_Os:587)
186Os76 + 12 D* --> 164Dy66 + 46Ti22 + 224.726 MeV [22.387 MeV] (A_Os:588)

186Os76 + 12 D* --> 165Ho67 + 45Sc21 + 220.602 MeV [18.262 MeV] (A_Os:589)
186Os76 + 12 D* --> 162Er68 + 48Ca20 + 225.186 MeV [22.847 MeV] (A_Os:590)
186Os76 + 12 D* --> 164Er68 + 46Ca20 + 223.714 MeV [21.375 MeV] (A_Os:591)
186Os76 + 12 D* --> 166Er68 + 44Ca20 + 221.029 MeV [18.690 MeV] (A_Os:592)
186Os76 + 12 D* --> 167Er68 + 43Ca20 + 216.335 MeV [13.995 MeV] (A_Os:593)
186Os76 + 12 D* --> 168Er68 + 42Ca20 + 216.173 MeV [13.834 MeV] (A_Os:594)
186Os76 + 12 D* --> 170Er68 + 40Ca20 + 209.590 MeV [7.251 MeV] (A_Os:595)
186Os76 + 12 D* --> 169Tm69 + 41K19 + 211.468 MeV [9.129 MeV] (A_Os:596)
186Os76 + 12 D* --> 170Yb70 + 40Ar18 + 210.438 MeV [8.099 MeV] (A_Os:597)
186Os76 + 12 D* --> 172Yb70 + 38Ar18 + 208.604 MeV [6.265 MeV] (A_Os:598)
186Os76 + 12 D* --> 174Yb70 + 36Ar18 + 201.810 MeV [-0.529 MeV] (A_Os:599)
186Os76 + 12 D* --> 175Lu71 + 35Cl17 + 198.813 MeV [-3.526 MeV] (A_Os:600)
186Os76 + 12 D* --> 174Hf72 + 36S16 + 201.140 MeV [-1.199 MeV] (A_Os:601)
186Os76 + 12 D* --> 176Hf72 + 34S16 + 199.138 MeV [-3.201 MeV] (A_Os:602)
186Os76 + 12 D* --> 177Hf72 + 33S16 + 194.105 MeV [-8.234 MeV] (A_Os:603)
186Os76 + 12 D* --> 178Hf72 + 32S16 + 193.089 MeV [-9.250 MeV] (A_Os:604)
186Os76 + 12 D* --> 180W74 + 30Si14 + 188.707 MeV [-13.633 MeV] (A_Os:605)
186Os76 + 12 D* --> 182W74 + 28Si14 + 184.369 MeV [-17.970 MeV] (A_Os:606)
186Os76 + 12 D* --> 184Os76 + 26Mg12 + 175.100 MeV [-27.239 MeV] (A_Os:607)
186Os76 + 12 D* --> 186Os76 + 24Mg12 + 171.562 MeV [-30.777 MeV] (A_Os:608)
186Os76 + 12 D* --> 190Pt78 + 20Ne10 + 158.995 MeV [-43.345 MeV] (A_Os:609)

187Os76 + D* --> 170Er68 + 19F9 + 33.520 MeV [18.263 MeV] (A_Os:610)
187Os76 + D* --> 174Yb70 + 15N7 + 28.766 MeV [13.510 MeV] (A_Os:611)
187Os76 + D* --> 176Lu71 + 13C6 + 22.180 MeV [6.924 MeV] (A_Os:612)
187Os76 + D* --> 178Hf72 + 11B5 + 15.694 MeV [00.438 MeV] (A_Os:613)
187Os76 + D* --> 179Hf72 + 10B5 + 10.339 MeV [-4.917 MeV] (A_Os:614)
187Os76 + D* --> 180Ta73 + 9Be4 + 9.506 MeV [-5.750 MeV] (A_Os:615)
187Os76 + D* --> 182W74 + 7Li3 + 5.257 MeV [-9.999 MeV] (A_Os:616)
187Os76 + D* --> 183W74 + 6Li3 + 4.198 MeV [-11.058 MeV] (A_Os:617)
187Os76 + D* --> 185Re75 + 4He2 + 13.315 MeV [-1.941 MeV] (A_Os:618)
187Os76 + D* --> 188Os76 + 1H1 + 5.765 MeV [-9.491 MeV] (A_Os:619)

187Os76 + 2 D* --> 170Er68 + 21Ne10 + 50.900 MeV [20.094 MeV] (A_Os:620)
187Os76 + 2 D* --> 173Yb70 + 18O8 + 43.391 MeV [12.586 MeV] (A_Os:621)
187Os76 + 2 D* --> 174Yb70 + 17O8 + 42.812 MeV [12.006 MeV] (A_Os:622)
187Os76 + 2 D* --> 176Lu71 + 15N7 + 38.339 MeV [7.534 MeV] (A_Os:623)
187Os76 + 2 D* --> 178Hf72 + 13C6 + 34.373 MeV [3.567 MeV] (A_Os:624)
187Os76 + 2 D* --> 179Hf72 + 12C6 + 35.525 MeV [4.720 MeV] (A_Os:625)
187Os76 + 2 D* --> 180Ta73 + 11B5 + 25.322 MeV [-5.484 MeV] (A_Os:626)
187Os76 + 2 D* --> 181Ta73 + 10B5 + 21.444 MeV [-9.361 MeV] (A_Os:627)
187Os76 + 2 D* --> 182W74 + 9Be4 + 21.953 MeV [-8.852 MeV] (A_Os:628)
187Os76 + 2 D* --> 185Re75 + 6Li3 + 14.789 MeV [-16.017 MeV] (A_Os:629)
187Os76 + 2 D* --> 187Os76 + 4He2 + 23.847 MeV [-6.959 MeV] (A_Os:630)
187Os76 + 2 D* --> 188Os76 + 3He2 + 11.258 MeV [-19.547 MeV] (A_Os:631)

187Os76 + 3 D* --> 170Er68 + 23Na11 + 67.833 MeV [21.187 MeV] (A_Os:632)
187Os76 + 3 D* --> 174Yb70 + 19F9 + 56.626 MeV [9.980 MeV] (A_Os:633)
187Os76 + 3 D* --> 175Lu71 + 18O8 + 54.141 MeV [7.495 MeV] (A_Os:634)
187Os76 + 3 D* --> 176Lu71 + 17O8 + 52.385 MeV [5.739 MeV] (A_Os:635)
187Os76 + 3 D* --> 178Hf72 + 15N7 + 50.532 MeV [3.886 MeV] (A_Os:636)
187Os76 + 3 D* --> 179Hf72 + 14N7 + 45.798 MeV [-0.849 MeV] (A_Os:637)
187Os76 + 3 D* --> 180Ta73 + 13C6 + 44.000 MeV [-2.646 MeV] (A_Os:638)
187Os76 + 3 D* --> 181Ta73 + 12C6 + 46.631 MeV [-0.016 MeV] (A_Os:639)

187Os76 + 3 D* --> 182W74 + 11B5 + 37.769 MeV [-8.878 MeV] (A_Os:640)
187Os76 + 3 D* --> 183W74 + 10B5 + 32.505 MeV [-14.141 MeV] (A_Os:641)
187Os76 + 3 D* --> 186Os76 + 7Li3 + 26.280 MeV [-20.366 MeV] (A_Os:642)
187Os76 + 3 D* --> 187Os76 + 6Li3 + 25.320 MeV [-21.326 MeV] (A_Os:643)
187Os76 + 3 D* --> 192Pt78 + 1H1 + 27.193 MeV [-19.453 MeV] (A_Os:644)

187Os76 + 4 D* --> 170Er68 + 25Mg12 + 84.632 MeV [21.856 MeV] (A_Os:645)
187Os76 + 4 D* --> 173Yb70 + 22Ne10 + 76.906 MeV [14.130 MeV] (A_Os:646)
187Os76 + 4 D* --> 174Yb70 + 21Ne10 + 74.006 MeV [11.230 MeV] (A_Os:647)
187Os76 + 4 D* --> 176Lu71 + 19F9 + 66.199 MeV [3.423 MeV] (A_Os:648)
187Os76 + 4 D* --> 177Hf72 + 18O8 + 64.996 MeV [2.220 MeV] (A_Os:649)
187Os76 + 4 D* --> 178Hf72 + 17O8 + 64.578 MeV [1.802 MeV] (A_Os:650)
187Os76 + 4 D* --> 179Hf72 + 16O8 + 66.534 MeV [3.757 MeV] (A_Os:651)
187Os76 + 4 D* --> 180Ta73 + 15N7 + 60.159 MeV [-2.617 MeV] (A_Os:652)
187Os76 + 4 D* --> 181Ta73 + 14N7 + 56.903 MeV [-5.873 MeV] (A_Os:653)
187Os76 + 4 D* --> 182W74 + 13C6 + 56.447 MeV [-6.329 MeV] (A_Os:654)
187Os76 + 4 D* --> 183W74 + 12C6 + 57.692 MeV [-5.084 MeV] (A_Os:655)
187Os76 + 4 D* --> 185Re75 + 10B5 + 43.096 MeV [-19.680 MeV] (A_Os:656)
187Os76 + 4 D* --> 186Os76 + 9Be4 + 42.977 MeV [-19.800 MeV] (A_Os:657)
187Os76 + 4 D* --> 192Pt78 + 3He2 + 32.686 MeV [-30.090 MeV] (A_Os:658)

187Os76 + 5 D* --> 160Gd64 + 37Cl17 + 124.171 MeV [44.977 MeV] (A_Os:659)
187Os76 + 5 D* --> 170Er68 + 27Al13 + 101.772 MeV [22.578 MeV] (A_Os:660)
187Os76 + 5 D* --> 174Yb70 + 23Na11 + 90.940 MeV [11.746 MeV] (A_Os:661)
187Os76 + 5 D* --> 175Lu71 + 22Ne10 + 87.656 MeV [8.462 MeV] (A_Os:662)
187Os76 + 5 D* --> 176Lu71 + 21Ne10 + 83.580 MeV [4.386 MeV] (A_Os:663)
187Os76 + 5 D* --> 178Hf72 + 19F9 + 78.392 MeV [-0.802 MeV] (A_Os:664)
187Os76 + 5 D* --> 180Ta73 + 17O8 + 74.205 MeV [-4.988 MeV] (A_Os:665)
187Os76 + 5 D* --> 181Ta73 + 16O8 + 77.639 MeV [-1.555 MeV] (A_Os:666)
187Os76 + 5 D* --> 182W74 + 15N7 + 72.607 MeV [-6.587 MeV] (A_Os:667)
187Os76 + 5 D* --> 183W74 + 14N7 + 67.964 MeV [-11.230 MeV] (A_Os:668)
187Os76 + 5 D* --> 185Re75 + 12C6 + 68.283 MeV [-10.911 MeV] (A_Os:669)
187Os76 + 5 D* --> 186Os76 + 11B5 + 58.792 MeV [-20.402 MeV] (A_Os:670)
187Os76 + 5 D* --> 187Os76 + 10B5 + 53.628 MeV [-25.566 MeV] (A_Os:671)
187Os76 + 5 D* --> 190Pt78 + 7Li3 + 46.876 MeV [-32.318 MeV] (A_Os:672)
187Os76 + 5 D* --> 196Hg80 + 1H1 + 48.998 MeV [-30.196 MeV] (A_Os:673)

187Os76 + 6 D* --> 150Nd60 + 49Ti22 + 159.845 MeV [63.948 MeV] (A_Os:674)
187Os76 + 6 D* --> 163Dy66 + 36S16 + 134.647 MeV [38.750 MeV] (A_Os:675)
187Os76 + 6 D* --> 170Er68 + 29Si14 + 119.606 MeV [23.709 MeV] (A_Os:676)
187Os76 + 6 D* --> 173Yb70 + 26Mg12 + 111.367 MeV [15.470 MeV] (A_Os:677)
187Os76 + 6 D* --> 174Yb70 + 25Mg12 + 107.739 MeV [11.842 MeV] (A_Os:678)
187Os76 + 6 D* --> 176Lu71 + 23Na11 + 100.513 MeV [4.617 MeV] (A_Os:679)
187Os76 + 6 D* --> 177Hf72 + 22Ne10 + 98.510 MeV [2.614 MeV] (A_Os:680)
187Os76 + 6 D* --> 178Hf72 + 21Ne10 + 95.772 MeV [-0.125 MeV] (A_Os:681)
187Os76 + 6 D* --> 179Hf72 + 20Ne10 + 95.110 MeV [-0.787 MeV] (A_Os:682)
187Os76 + 6 D* --> 180Ta73 + 19F9 + 88.020 MeV [-7.877 MeV] (A_Os:683)
187Os76 + 6 D* --> 182W74 + 17O8 + 86.652 MeV [-9.244 MeV] (A_Os:684)
187Os76 + 6 D* --> 183W74 + 16O8 + 88.700 MeV [-7.197 MeV] (A_Os:685)
187Os76 + 6 D* --> 185Re75 + 14N7 + 78.555 MeV [-17.342 MeV] (A_Os:686)
187Os76 + 6 D* --> 186Os76 + 13C6 + 77.471 MeV [-18.426 MeV] (A_Os:687)
187Os76 + 6 D* --> 187Os76 + 12C6 + 78.814 MeV [-17.083 MeV] (A_Os:688)
187Os76 + 6 D* --> 190Pt78 + 9Be4 + 63.572 MeV [-32.325 MeV] (A_Os:689)
187Os76 + 6 D* --> 196Hg80 + 3He2 + 54.492 MeV [-41.405 MeV] (A_Os:690)

187Os76 + 7 D* --> 130Te52 + 71Ga31 + 208.224 MeV [95.340 MeV] (A_Os:691)
187Os76 + 7 D* --> 136Xe54 + 65Cu29 + 204.421 MeV [91.537 MeV] (A_Os:692)
187Os76 + 7 D* --> 150Nd60 + 51V23 + 176.623 MeV [63.739 MeV] (A_Os:693)
187Os76 + 7 D* --> 153Eu63 + 48Ca20 + 168.319 MeV [55.435 MeV] (A_Os:694)
187Os76 + 7 D* --> 160Gd64 + 41K19 + 154.240 MeV [41.356 MeV] (A_Os:695)
187Os76 + 7 D* --> 164Dy66 + 37Cl17 + 148.467 MeV [35.583 MeV] (A_Os:696)
187Os76 + 7 D* --> 165Ho67 + 36S16 + 146.301 MeV [33.417 MeV] (A_Os:697)
187Os76 + 7 D* --> 170Er68 + 31P15 + 135.287 MeV [22.403 MeV] (A_Os:698)
187Os76 + 7 D* --> 174Yb70 + 27Al13 + 124.878 MeV [11.994 MeV] (A_Os:699)
187Os76 + 7 D* --> 175Lu71 + 26Mg12 + 122.117 MeV [9.233 MeV] (A_Os:700)
187Os76 + 7 D* --> 176Lu71 + 25Mg12 + 117.312 MeV [4.428 MeV] (A_Os:701)
187Os76 + 7 D* --> 178Hf72 + 23Na11 + 112.706 MeV [-0.178 MeV] (A_Os:702)
187Os76 + 7 D* --> 180Ta73 + 21Ne10 + 105.400 MeV [-7.484 MeV] (A_Os:703)
187Os76 + 7 D* --> 181Ta73 + 20Ne10 + 106.215 MeV [-6.669 MeV] (A_Os:704)
187Os76 + 7 D* --> 182W74 + 19F9 + 100.467 MeV [-12.417 MeV] (A_Os:705)
187Os76 + 7 D* --> 185Re75 + 16O8 + 99.291 MeV [-13.593 MeV] (A_Os:706)
187Os76 + 7 D* --> 186Os76 + 15N7 + 93.630 MeV [-19.254 MeV] (A_Os:707)
187Os76 + 7 D* --> 187Os76 + 14N7 + 89.087 MeV [-23.797 MeV] (A_Os:708)
187Os76 + 7 D* --> 190Pt78 + 11B5 + 79.387 MeV [-33.497 MeV] (A_Os:709)

187Os76 + 8 D* --> 130Te52 + 73Ge32 + 222.517 MeV [92.363 MeV] (A_Os:710)
187Os76 + 8 D* --> 136Xe54 + 67Zn30 + 218.173 MeV [88.020 MeV] (A_Os:711)
187Os76 + 8 D* --> 150Nd60 + 53Cr24 + 192.842 MeV [62.689 MeV] (A_Os:712)
187Os76 + 8 D* --> 154Sm62 + 49Ti22 + 184.888 MeV [54.735 MeV] (A_Os:713)
187Os76 + 8 D* --> 155Gd64 + 48Ca20 + 180.159 MeV [50.006 MeV] (A_Os:714)
187Os76 + 8 D* --> 157Gd64 + 46Ca20 + 177.833 MeV [47.680 MeV] (A_Os:715)
187Os76 + 8 D* --> 160Gd64 + 43Ca20 + 170.225 MeV [40.072 MeV] (A_Os:716)
187Os76 + 8 D* --> 163Dy66 + 40Ar18 + 165.294 MeV [35.141 MeV] (A_Os:717)
187Os76 + 8 D* --> 167Er68 + 36S16 + 157.828 MeV [27.675 MeV] (A_Os:718)
187Os76 + 8 D* --> 170Er68 + 33S16 + 150.568 MeV [20.415 MeV] (A_Os:719)
187Os76 + 8 D* --> 173Yb70 + 30Si14 + 145.857 MeV [15.703 MeV] (A_Os:720)
187Os76 + 8 D* --> 174Yb70 + 29Si14 + 142.712 MeV [12.559 MeV] (A_Os:721)
187Os76 + 8 D* --> 176Lu71 + 27Al13 + 134.452 MeV [4.298 MeV] (A_Os:722)
187Os76 + 8 D* --> 177Hf72 + 26Mg12 + 132.972 MeV [2.818 MeV] (A_Os:723)
187Os76 + 8 D* --> 178Hf72 + 25Mg12 + 129.505 MeV [-0.649 MeV] (A_Os:724)
187Os76 + 8 D* --> 179Hf72 + 24Mg12 + 128.273 MeV [-1.880 MeV] (A_Os:725)
187Os76 + 8 D* --> 180Ta73 + 23Na11 + 122.334 MeV [-7.820 MeV] (A_Os:726)
187Os76 + 8 D* --> 182W74 + 21Ne10 + 117.847 MeV [-12.306 MeV] (A_Os:727)
187Os76 + 8 D* --> 183W74 + 20Ne10 + 117.277 MeV [-12.877 MeV] (A_Os:728)
187Os76 + 8 D* --> 186Os76 + 17O8 + 107.676 MeV [-22.477 MeV] (A_Os:729)
187Os76 + 8 D* --> 187Os76 + 16O8 + 109.823 MeV [-20.331 MeV] (A_Os:730)
187Os76 + 8 D* --> 190Pt78 + 13C6 + 98.066 MeV [-32.087 MeV] (A_Os:731)

187Os76 + 9 D* --> 124Sn50 + 81Br35 + 243.215 MeV [95.512 MeV] (A_Os:732)
187Os76 + 9 D* --> 123Sb51 + 82Se34 + 243.821 MeV [96.118 MeV] (A_Os:733)
187Os76 + 9 D* --> 130Te52 + 75As33 + 237.387 MeV [89.684 MeV] (A_Os:734)
187Os76 + 9 D* --> 134Xe54 + 71Ga31 + 235.268 MeV [87.565 MeV] (A_Os:735)
187Os76 + 9 D* --> 136Xe54 + 69Ga31 + 232.756 MeV [85.053 MeV] (A_Os:736)
187Os76 + 9 D* --> 150Nd60 + 55Mn25 + 208.404 MeV [60.700 MeV] (A_Os:737)
187Os76 + 9 D* --> 154Sm62 + 51V23 + 201.666 MeV [53.963 MeV] (A_Os:738)
187Os76 + 9 D* --> 160Gd64 + 45Sc21 + 186.020 MeV [38.317 MeV] (A_Os:739)
187Os76 + 9 D* --> 159Tb65 + 46Ca20 + 189.677 MeV [41.974 MeV] (A_Os:740)
187Os76 + 9 D* --> 164Dy66 + 41K19 + 178.536 MeV [30.833 MeV] (A_Os:741)

187Os76 + 9 D* --> 165Ho67 + 40Ar18 + 176.948 MeV [29.245 MeV] (A_Os:742)
187Os76 + 9 D* --> 168Er68 + 37Cl17 + 171.762 MeV [24.058 MeV] (A_Os:743)
187Os76 + 9 D* --> 170Er68 + 35Cl17 + 166.131 MeV [18.428 MeV] (A_Os:744)
187Os76 + 9 D* --> 169Tm69 + 36S16 + 168.947 MeV [21.244 MeV] (A_Os:745)
187Os76 + 9 D* --> 174Yb70 + 31P15 + 158.394 MeV [10.691 MeV] (A_Os:746)
187Os76 + 9 D* --> 175Lu71 + 30Si14 + 156.607 MeV [8.904 MeV] (A_Os:747)
187Os76 + 9 D* --> 176Lu71 + 29Si14 + 152.286 MeV [4.583 MeV] (A_Os:748)
187Os76 + 9 D* --> 178Hf72 + 27Al13 + 146.644 MeV [-1.059 MeV] (A_Os:749)
187Os76 + 9 D* --> 180Ta73 + 25Mg12 + 139.132 MeV [-8.571 MeV] (A_Os:750)
187Os76 + 9 D* --> 181Ta73 + 24Mg12 + 139.379 MeV [-8.325 MeV] (A_Os:751)
187Os76 + 9 D* --> 182W74 + 23Na11 + 134.781 MeV [-12.922 MeV] (A_Os:752)
187Os76 + 9 D* --> 185Re75 + 20Ne10 + 127.867 MeV [-19.836 MeV] (A_Os:753)
187Os76 + 9 D* --> 186Os76 + 19F9 + 121.490 MeV [-26.213 MeV] (A_Os:754)
187Os76 + 9 D* --> 190Pt78 + 15N7 + 114.225 MeV [-33.478 MeV] (A_Os:755)

187Os76 + 10 D* --> 124Sn50 + 83Kr36 + 258.357 MeV [92.826 MeV] (A_Os:756)
187Os76 + 10 D* --> 125Te52 + 82Se34 + 256.755 MeV [91.224 MeV] (A_Os:757)
187Os76 + 10 D* --> 130Te52 + 77Se34 + 252.090 MeV [86.558 MeV] (A_Os:758)
187Os76 + 10 D* --> 131Xe54 + 76Ge32 + 251.767 MeV [86.236 MeV] (A_Os:759)
187Os76 + 10 D* --> 134Xe54 + 73Ge32 + 249.561 MeV [84.029 MeV] (A_Os:760)
187Os76 + 10 D* --> 137Ba56 + 70Zn30 + 247.425 MeV [81.893 MeV] (A_Os:761)
187Os76 + 10 D* --> 150Nd60 + 57Fe26 + 224.009 MeV [58.477 MeV] (A_Os:762)
187Os76 + 10 D* --> 154Sm62 + 53Cr24 + 217.885 MeV [52.354 MeV] (A_Os:763)
187Os76 + 10 D* --> 157Gd64 + 50Ti22 + 212.396 MeV [46.865 MeV] (A_Os:764)
187Os76 + 10 D* --> 158Gd64 + 49Ti22 + 209.395 MeV [43.863 MeV] (A_Os:765)
187Os76 + 10 D* --> 160Gd64 + 47Ti22 + 203.020 MeV [37.488 MeV] (A_Os:766)
187Os76 + 10 D* --> 161Dy66 + 46Ca20 + 201.335 MeV [35.804 MeV] (A_Os:767)
187Os76 + 10 D* --> 163Dy66 + 44Ca20 + 197.994 MeV [32.462 MeV] (A_Os:768)
187Os76 + 10 D* --> 164Dy66 + 43Ca20 + 194.521 MeV [28.989 MeV] (A_Os:769)
187Os76 + 10 D* --> 167Er68 + 40Ar18 + 188.476 MeV [22.944 MeV] (A_Os:770)
187Os76 + 10 D* --> 171Yb70 + 36S16 + 180.115 MeV [14.584 MeV] (A_Os:771)
187Os76 + 10 D* --> 173Yb70 + 34S16 + 177.627 MeV [12.095 MeV] (A_Os:772)
187Os76 + 10 D* --> 174Yb70 + 33S16 + 173.675 MeV [8.143 MeV] (A_Os:773)
187Os76 + 10 D* --> 176Lu71 + 31P15 + 167.967 MeV [2.436 MeV] (A_Os:774)
187Os76 + 10 D* --> 177Hf72 + 30Si14 + 167.462 MeV [1.930 MeV] (A_Os:775)
187Os76 + 10 D* --> 178Hf72 + 29Si14 + 164.478 MeV [-1.053 MeV] (A_Os:776)
187Os76 + 10 D* --> 179Hf72 + 28Si14 + 162.104 MeV [-3.428 MeV] (A_Os:777)
187Os76 + 10 D* --> 180Ta73 + 27Al13 + 156.272 MeV [-9.260 MeV] (A_Os:778)
187Os76 + 10 D* --> 182W74 + 25Mg12 + 151.579 MeV [-13.952 MeV] (A_Os:779)
187Os76 + 10 D* --> 183W74 + 24Mg12 + 150.440 MeV [-15.092 MeV] (A_Os:780)
187Os76 + 10 D* --> 186Os76 + 21Ne10 + 138.870 MeV [-26.661 MeV] (A_Os:781)
187Os76 + 10 D* --> 187Os76 + 20Ne10 + 138.399 MeV [-27.133 MeV] (A_Os:782)
187Os76 + 10 D* --> 190Pt78 + 17O8 + 128.271 MeV [-37.260 MeV] (A_Os:783)

187Os76 + 11 D* --> 122Sn50 + 87Rb37 + 277.819 MeV [94.181 MeV] (A_Os:784)
187Os76 + 11 D* --> 124Sn50 + 85Rb37 + 273.679 MeV [90.041 MeV] (A_Os:785)
187Os76 + 11 D* --> 123Sb51 + 86Kr36 + 275.764 MeV [92.127 MeV] (A_Os:786)
187Os76 + 11 D* --> 128Te52 + 81Br35 + 270.242 MeV [86.604 MeV] (A_Os:787)
187Os76 + 11 D* --> 130Te52 + 79Br35 + 266.695 MeV [83.057 MeV] (A_Os:788)
187Os76 + 11 D* --> 127I53 + 82Se34 + 269.852 MeV [86.214 MeV] (A_Os:789)
187Os76 + 11 D* --> 134Xe54 + 75As33 + 264.432 MeV [80.794 MeV] (A_Os:790)
187Os76 + 11 D* --> 133Cs55 + 76Ge32 + 264.559 MeV [80.921 MeV] (A_Os:791)
187Os76 + 11 D* --> 138Ba56 + 71Ga31 + 261.677 MeV [78.039 MeV] (A_Os:792)
187Os76 + 11 D* --> 139La57 + 70Zn30 + 260.071 MeV [76.433 MeV] (A_Os:793)

187Os76 + 11 D* --> 150Nd60 + 59Co27 + 239.193 MeV [55.555 MeV] (A_Os:794)
187Os76 + 11 D* --> 154Sm62 + 55Mn25 + 233.447 MeV [49.809 MeV] (A_Os:795)
187Os76 + 11 D* --> 158Gd64 + 51V23 + 226.173 MeV [42.535 MeV] (A_Os:796)
187Os76 + 11 D* --> 159Tb65 + 50Ti22 + 224.240 MeV [40.603 MeV] (A_Os:797)
187Os76 + 11 D* --> 164Dy66 + 45Sc21 + 210.316 MeV [26.678 MeV] (A_Os:798)
187Os76 + 11 D* --> 165Ho67 + 44Ca20 + 209.648 MeV [26.010 MeV] (A_Os:799)
187Os76 + 11 D* --> 168Er68 + 41K19 + 201.831 MeV [18.193 MeV] (A_Os:800)
187Os76 + 11 D* --> 170Er68 + 39K19 + 197.196 MeV [13.559 MeV] (A_Os:801)
187Os76 + 11 D* --> 169Tm69 + 40Ar18 + 199.595 MeV [15.957 MeV] (A_Os:802)
187Os76 + 11 D* --> 172Yb70 + 37Cl17 + 194.297 MeV [10.659 MeV] (A_Os:803)
187Os76 + 11 D* --> 174Yb70 + 35Cl17 + 189.238 MeV [5.600 MeV] (A_Os:804)
187Os76 + 11 D* --> 175Lu71 + 34S16 + 188.377 MeV [4.740 MeV] (A_Os:805)
187Os76 + 11 D* --> 176Lu71 + 33S16 + 183.248 MeV [-0.389 MeV] (A_Os:806)
187Os76 + 11 D* --> 178Hf72 + 31P15 + 180.160 MeV [-3.478 MeV] (A_Os:807)
187Os76 + 11 D* --> 180Ta73 + 29Si14 + 174.106 MeV [-9.532 MeV] (A_Os:808)
187Os76 + 11 D* --> 181Ta73 + 28Si14 + 173.209 MeV [-10.428 MeV] (A_Os:809)
187Os76 + 11 D* --> 182W74 + 27Al13 + 168.719 MeV [-14.919 MeV] (A_Os:810)
187Os76 + 11 D* --> 185Re75 + 24Mg12 + 161.030 MeV [-22.607 MeV] (A_Os:811)
187Os76 + 11 D* --> 186Os76 + 23Na11 + 155.804 MeV [-27.833 MeV] (A_Os:812)
187Os76 + 11 D* --> 190Pt78 + 19F9 + 142.086 MeV [-41.552 MeV] (A_Os:813)

187Os76 + 12 D* --> 124Sn50 + 87Sr38 + 289.528 MeV [87.509 MeV] (A_Os:814)
187Os76 + 12 D* --> 125Te52 + 86Kr36 + 288.698 MeV [86.679 MeV] (A_Os:815)
187Os76 + 12 D* --> 128Te52 + 83Kr36 + 285.384 MeV [83.365 MeV] (A_Os:816)
187Os76 + 12 D* --> 129Xe54 + 82Se34 + 282.702 MeV [80.683 MeV] (A_Os:817)
187Os76 + 12 D* --> 131Xe54 + 80Se34 + 282.586 MeV [80.567 MeV] (A_Os:818)
187Os76 + 12 D* --> 134Xe54 + 77Se34 + 279.135 MeV [77.116 MeV] (A_Os:819)
187Os76 + 12 D* --> 135Ba56 + 76Ge32 + 277.474 MeV [75.455 MeV] (A_Os:820)
187Os76 + 12 D* --> 137Ba56 + 74Ge32 + 277.554 MeV [75.535 MeV] (A_Os:821)
187Os76 + 12 D* --> 138Ba56 + 73Ge32 + 275.970 MeV [73.951 MeV] (A_Os:822)
187Os76 + 12 D* --> 150Nd60 + 61Ni28 + 254.321 MeV [52.302 MeV] (A_Os:823)
187Os76 + 12 D* --> 154Sm62 + 57Fe26 + 249.052 MeV [47.033 MeV] (A_Os:824)
187Os76 + 12 D* --> 157Gd64 + 54Cr24 + 244.174 MeV [42.155 MeV] (A_Os:825)
187Os76 + 12 D* --> 158Gd64 + 53Cr24 + 242.392 MeV [40.373 MeV] (A_Os:826)
187Os76 + 12 D* --> 161Dy66 + 50Ti22 + 235.898 MeV [33.879 MeV] (A_Os:827)
187Os76 + 12 D* --> 162Dy66 + 49Ti22 + 233.156 MeV [31.137 MeV] (A_Os:828)
187Os76 + 12 D* --> 163Dy66 + 48Ti22 + 231.285 MeV [29.266 MeV] (A_Os:829)
187Os76 + 12 D* --> 164Dy66 + 47Ti22 + 227.316 MeV [25.297 MeV] (A_Os:830)
187Os76 + 12 D* --> 167Er68 + 44Ca20 + 221.176 MeV [19.157 MeV] (A_Os:831)
187Os76 + 12 D* --> 168Er68 + 43Ca20 + 217.816 MeV [15.797 MeV] (A_Os:832)
187Os76 + 12 D* --> 171Yb70 + 40Ar18 + 210.763 MeV [8.744 MeV] (A_Os:833)
187Os76 + 12 D* --> 173Yb70 + 38Ar18 + 208.681 MeV [6.662 MeV] (A_Os:834)
187Os76 + 12 D* --> 176Lu71 + 35Cl17 + 198.811 MeV [-3.208 MeV] (A_Os:835)
187Os76 + 12 D* --> 177Hf72 + 34S16 + 199.232 MeV [-2.787 MeV] (A_Os:836)
187Os76 + 12 D* --> 178Hf72 + 33S16 + 195.441 MeV [-6.578 MeV] (A_Os:837)
187Os76 + 12 D* --> 179Hf72 + 32S16 + 192.898 MeV [-9.121 MeV] (A_Os:838)
187Os76 + 12 D* --> 180Ta73 + 31P15 + 189.788 MeV [-12.231 MeV] (A_Os:839)
187Os76 + 12 D* --> 182W74 + 29Si14 + 186.553 MeV [-15.466 MeV] (A_Os:840)
187Os76 + 12 D* --> 183W74 + 28Si14 + 184.270 MeV [-17.749 MeV] (A_Os:841)
187Os76 + 12 D* --> 186Os76 + 25Mg12 + 172.603 MeV [-29.416 MeV] (A_Os:842)
187Os76 + 12 D* --> 187Os76 + 24Mg12 + 171.562 MeV [-30.457 MeV] (A_Os:843)
187Os76 + 12 D* --> 190Pt78 + 21Ne10 + 159.466 MeV [-42.553 MeV] (A_Os:844)

188Os76 + D* --> 176Yb70 + 14N7 + 22.630 MeV [7.401 MeV] (A_Os:845)

188Os76 + D* --> 179Hf72 + 11B5 + 13.803 MeV [-1.426 MeV] (A_Os:846)
188Os76 + D* --> 180Hf72 + 10B5 + 9.737 MeV [-5.492 MeV] (A_Os:847)
188Os76 + D* --> 181Ta73 + 9Be4 + 9.093 MeV [-6.136 MeV] (A_Os:848)
188Os76 + D* --> 183W74 + 7Li3 + 3.458 MeV [-11.771 MeV] (A_Os:849)
188Os76 + D* --> 184W74 + 6Li3 + 3.620 MeV [-11.610 MeV] (A_Os:850)
188Os76 + D* --> 189Os76 + 1H1 + 3.696 MeV [-11.534 MeV] (A_Os:851)

188Os76 + 2 D* --> 170Er68 + 22Ne10 + 53.274 MeV [22.522 MeV] (A_Os:852)
188Os76 + 2 D* --> 174Yb70 + 18O8 + 42.866 MeV [12.114 MeV] (A_Os:853)
188Os76 + 2 D* --> 176Yb70 + 16O8 + 43.366 MeV [12.614 MeV] (A_Os:854)
188Os76 + 2 D* --> 179Hf72 + 13C6 + 32.482 MeV [1.730 MeV] (A_Os:855)
188Os76 + 2 D* --> 180Hf72 + 12C6 + 34.923 MeV [4.171 MeV] (A_Os:856)
188Os76 + 2 D* --> 181Ta73 + 11B5 + 24.909 MeV [-5.843 MeV] (A_Os:857)
188Os76 + 2 D* --> 183W74 + 9Be4 + 20.154 MeV [-10.598 MeV] (A_Os:858)
188Os76 + 2 D* --> 185Re75 + 7Li3 + 14.049 MeV [-16.703 MeV] (A_Os:859)
188Os76 + 2 D* --> 188Os76 + 4He2 + 23.847 MeV [-6.905 MeV] (A_Os:860)
188Os76 + 2 D* --> 189Os76 + 3He2 + 9.189 MeV [-21.563 MeV] (A_Os:861)
188Os76 + 2 D* --> 191Ir77 + 1H1 + 14.552 MeV [-16.200 MeV] (A_Os:862)
188Os76 + 2 D* --> 192Pt78 + 21.428 MeV [-9.324 MeV] (A_Os:863)

188Os76 + 3 D* --> 176Lu71 + 18O8 + 52.440 MeV [5.874 MeV] (A_Os:864)
188Os76 + 3 D* --> 179Hf72 + 15N7 + 48.641 MeV [2.075 MeV] (A_Os:865)
188Os76 + 3 D* --> 180Hf72 + 14N7 + 45.196 MeV [-1.370 MeV] (A_Os:866)
188Os76 + 3 D* --> 181Ta73 + 13C6 + 43.587 MeV [-2.979 MeV] (A_Os:867)
188Os76 + 3 D* --> 183W74 + 11B5 + 35.970 MeV [-10.596 MeV] (A_Os:868)
188Os76 + 3 D* --> 184W74 + 10B5 + 31.927 MeV [-14.639 MeV] (A_Os:869)
188Os76 + 3 D* --> 185Re75 + 9Be4 + 30.745 MeV [-15.821 MeV] (A_Os:870)
188Os76 + 3 D* --> 187Os76 + 7Li3 + 24.581 MeV [-21.985 MeV] (A_Os:871)
188Os76 + 3 D* --> 188Os76 + 6Li3 + 25.320 MeV [-21.246 MeV] (A_Os:872)
188Os76 + 3 D* --> 191Ir77 + 3He2 + 20.046 MeV [-26.520 MeV] (A_Os:873)
188Os76 + 3 D* --> 192Pt78 + 2H1 + 21.428 MeV [-25.138 MeV] (A_Os:874)

188Os76 + 4 D* --> 148Nd60 + 48Ca20 + 133.034 MeV [70.365 MeV] (A_Os:875)
188Os76 + 4 D* --> 150Nd60 + 46Ca20 + 128.231 MeV [65.562 MeV] (A_Os:876)
188Os76 + 4 D* --> 160Gd64 + 36S16 + 110.019 MeV [47.350 MeV] (A_Os:877)
188Os76 + 4 D* --> 170Er68 + 26Mg12 + 87.736 MeV [25.066 MeV] (A_Os:878)
188Os76 + 4 D* --> 174Yb70 + 22Ne10 + 76.381 MeV [13.712 MeV] (A_Os:879)
188Os76 + 4 D* --> 176Yb70 + 20Ne10 + 71.943 MeV [9.273 MeV] (A_Os:880)
188Os76 + 4 D* --> 178Hf72 + 18O8 + 64.632 MeV [1.963 MeV] (A_Os:881)
188Os76 + 4 D* --> 179Hf72 + 17O8 + 62.687 MeV [00.018 MeV] (A_Os:882)
188Os76 + 4 D* --> 180Hf72 + 16O8 + 65.932 MeV [3.263 MeV] (A_Os:883)
188Os76 + 4 D* --> 181Ta73 + 15N7 + 59.747 MeV [-2.923 MeV] (A_Os:884)
188Os76 + 4 D* --> 183W74 + 13C6 + 54.648 MeV [-8.021 MeV] (A_Os:885)
188Os76 + 4 D* --> 184W74 + 12C6 + 57.114 MeV [-5.555 MeV] (A_Os:886)
188Os76 + 4 D* --> 185Re75 + 11B5 + 46.561 MeV [-16.109 MeV] (A_Os:887)
188Os76 + 4 D* --> 187Os76 + 9Be4 + 41.277 MeV [-21.392 MeV] (A_Os:888)
188Os76 + 4 D* --> 192Pt78 + 4He2 + 45.274 MeV [-17.395 MeV] (A_Os:889)
188Os76 + 4 D* --> 196Hg80 + 43.233 MeV [-19.436 MeV] (A_Os:890)

188Os76 + 5 D* --> 176Lu71 + 22Ne10 + 85.954 MeV [6.894 MeV] (A_Os:891)
188Os76 + 5 D* --> 179Hf72 + 19F9 + 76.502 MeV [-2.559 MeV] (A_Os:892)
188Os76 + 5 D* --> 180Ta73 + 18O8 + 74.260 MeV [-4.800 MeV] (A_Os:893)
188Os76 + 5 D* --> 181Ta73 + 17O8 + 73.793 MeV [-5.267 MeV] (A_Os:894)
188Os76 + 5 D* --> 183W74 + 15N7 + 70.808 MeV [-8.252 MeV] (A_Os:895)

188Os76 + 5 D* --> 184W74 + 14N7 + 67.386 MeV [-11.674 MeV] (A_Os:896)
188Os76 + 5 D* --> 185Re75 + 13C6 + 65.239 MeV [-13.821 MeV] (A_Os:897)
188Os76 + 5 D* --> 187Os76 + 11B5 + 57.092 MeV [-21.968 MeV] (A_Os:898)
188Os76 + 5 D* --> 188Os76 + 10B5 + 53.628 MeV [-25.432 MeV] (A_Os:899)
188Os76 + 5 D* --> 192Pt78 + 6Li3 + 46.748 MeV [-32.312 MeV] (A_Os:900)
188Os76 + 5 D* --> 196Hg80 + 2H1 + 43.233 MeV [-35.827 MeV] (A_Os:901)

188Os76 + 6 D* --> 124Sn50 + 76Ge32 + 199.128 MeV [103.391 MeV] (A_Os:902)
188Os76 + 6 D* --> 130Te52 + 70Zn30 + 194.594 MeV [98.857 MeV] (A_Os:903)
188Os76 + 6 D* --> 136Xe54 + 64Ni28 + 191.202 MeV [95.466 MeV] (A_Os:904)
188Os76 + 6 D* --> 150Nd60 + 50Ti22 + 162.794 MeV [67.057 MeV] (A_Os:905)
188Os76 + 6 D* --> 152Sm62 + 48Ca20 + 156.661 MeV [60.924 MeV] (A_Os:906)
188Os76 + 6 D* --> 154Sm62 + 46Ca20 + 153.275 MeV [57.538 MeV] (A_Os:907)
188Os76 + 6 D* --> 160Gd64 + 40Ar18 + 140.666 MeV [44.930 MeV] (A_Os:908)
188Os76 + 6 D* --> 164Dy66 + 36S16 + 134.315 MeV [38.579 MeV] (A_Os:909)
188Os76 + 6 D* --> 170Er68 + 30Si14 + 122.225 MeV [26.489 MeV] (A_Os:910)
188Os76 + 6 D* --> 174Yb70 + 26Mg12 + 110.842 MeV [15.105 MeV] (A_Os:911)
188Os76 + 6 D* --> 176Yb70 + 24Mg12 + 105.106 MeV [9.369 MeV] (A_Os:912)
188Os76 + 6 D* --> 178Hf72 + 22Ne10 + 98.147 MeV [2.410 MeV] (A_Os:913)
188Os76 + 6 D* --> 179Hf72 + 21Ne10 + 93.882 MeV [-1.855 MeV] (A_Os:914)
188Os76 + 6 D* --> 180Hf72 + 20Ne10 + 94.508 MeV [-1.229 MeV] (A_Os:915)
188Os76 + 6 D* --> 181Ta73 + 19F9 + 87.607 MeV [-8.130 MeV] (A_Os:916)
188Os76 + 6 D* --> 182W74 + 18O8 + 86.707 MeV [-9.030 MeV] (A_Os:917)
188Os76 + 6 D* --> 183W74 + 17O8 + 84.854 MeV [-10.883 MeV] (A_Os:918)
188Os76 + 6 D* --> 184W74 + 16O8 + 88.122 MeV [-7.615 MeV] (A_Os:919)
188Os76 + 6 D* --> 185Re75 + 15N7 + 81.399 MeV [-14.338 MeV] (A_Os:920)
188Os76 + 6 D* --> 187Os76 + 13C6 + 75.771 MeV [-19.966 MeV] (A_Os:921)
188Os76 + 6 D* --> 188Os76 + 12C6 + 78.814 MeV [-16.922 MeV] (A_Os:922)
188Os76 + 6 D* --> 196Hg80 + 4He2 + 67.080 MeV [-28.657 MeV] (A_Os:923)

188Os76 + 7 D* --> 176Lu71 + 26Mg12 + 120.416 MeV [7.718 MeV] (A_Os:924)
188Os76 + 7 D* --> 179Hf72 + 23Na11 + 110.815 MeV [-1.882 MeV] (A_Os:925)
188Os76 + 7 D* --> 180Ta73 + 22Ne10 + 107.775 MeV [-4.923 MeV] (A_Os:926)
188Os76 + 7 D* --> 181Ta73 + 21Ne10 + 104.987 MeV [-7.710 MeV] (A_Os:927)
188Os76 + 7 D* --> 183W74 + 19F9 + 98.668 MeV [-14.029 MeV] (A_Os:928)
188Os76 + 7 D* --> 185Re75 + 17O8 + 95.445 MeV [-17.253 MeV] (A_Os:929)
188Os76 + 7 D* --> 187Os76 + 15N7 + 91.930 MeV [-20.767 MeV] (A_Os:930)
188Os76 + 7 D* --> 188Os76 + 14N7 + 89.087 MeV [-23.611 MeV] (A_Os:931)
188Os76 + 7 D* --> 192Pt78 + 10B5 + 75.056 MeV [-37.642 MeV] (A_Os:932)
188Os76 + 7 D* --> 196Hg80 + 6Li3 + 68.554 MeV [-44.144 MeV] (A_Os:933)

188Os76 + 8 D* --> 122Sn50 + 82Se34 + 231.489 MeV [101.549 MeV] (A_Os:934)
188Os76 + 8 D* --> 124Sn50 + 80Se34 + 229.946 MeV [100.006 MeV] (A_Os:935)
188Os76 + 8 D* --> 128Te52 + 76Ge32 + 226.154 MeV [96.214 MeV] (A_Os:936)
188Os76 + 8 D* --> 130Te52 + 74Ge32 + 224.723 MeV [94.783 MeV] (A_Os:937)
188Os76 + 8 D* --> 134Xe54 + 70Zn30 + 221.638 MeV [91.698 MeV] (A_Os:938)
188Os76 + 8 D* --> 136Xe54 + 68Zn30 + 220.382 MeV [90.441 MeV] (A_Os:939)
188Os76 + 8 D* --> 150Nd60 + 54Cr24 + 194.572 MeV [64.631 MeV] (A_Os:940)
188Os76 + 8 D* --> 154Sm62 + 50Ti22 + 187.838 MeV [57.897 MeV] (A_Os:941)
188Os76 + 8 D* --> 156Gd64 + 48Ca20 + 180.706 MeV [50.765 MeV] (A_Os:942)
188Os76 + 8 D* --> 158Gd64 + 46Ca20 + 177.781 MeV [47.841 MeV] (A_Os:943)
188Os76 + 8 D* --> 160Gd64 + 44Ca20 + 173.366 MeV [43.426 MeV] (A_Os:944)
188Os76 + 8 D* --> 164Dy66 + 40Ar18 + 164.963 MeV [35.022 MeV] (A_Os:945)
188Os76 + 8 D* --> 168Er68 + 36S16 + 157.610 MeV [27.670 MeV] (A_Os:946)

188Os76 + 8 D* --> 170Er68 + 34S16 + 153.996 MeV [24.055 MeV] (A_Os:947)
188Os76 + 8 D* --> 174Yb70 + 30Si14 + 145.332 MeV [15.392 MeV] (A_Os:948)
188Os76 + 8 D* --> 176Yb70 + 28Si14 + 138.936 MeV [8.996 MeV] (A_Os:949)
188Os76 + 8 D* --> 178Hf72 + 26Mg12 + 132.608 MeV [2.668 MeV] (A_Os:950)
188Os76 + 8 D* --> 179Hf72 + 25Mg12 + 127.614 MeV [-2.326 MeV] (A_Os:951)
188Os76 + 8 D* --> 180Hf72 + 24Mg12 + 127.671 MeV [-2.269 MeV] (A_Os:952)
188Os76 + 8 D* --> 181Ta73 + 23Na11 + 121.921 MeV [-8.019 MeV] (A_Os:953)
188Os76 + 8 D* --> 182W74 + 22Ne10 + 120.222 MeV [-9.719 MeV] (A_Os:954)
188Os76 + 8 D* --> 183W74 + 21Ne10 + 116.048 MeV [-13.892 MeV] (A_Os:955)
188Os76 + 8 D* --> 184W74 + 20Ne10 + 116.699 MeV [-13.242 MeV] (A_Os:956)
188Os76 + 8 D* --> 185Re75 + 19F9 + 109.259 MeV [-20.681 MeV] (A_Os:957)
188Os76 + 8 D* --> 186Os76 + 18O8 + 107.730 MeV [-22.210 MeV] (A_Os:958)
188Os76 + 8 D* --> 187Os76 + 17O8 + 105.976 MeV [-23.964 MeV] (A_Os:959)
188Os76 + 8 D* --> 188Os76 + 16O8 + 109.823 MeV [-20.118 MeV] (A_Os:960)
188Os76 + 8 D* --> 192Pt78 + 12C6 + 100.242 MeV [-29.698 MeV] (A_Os:961)

188Os76 + 9 D* --> 176Lu71 + 30Si14 + 154.905 MeV [7.442 MeV] (A_Os:962)
188Os76 + 9 D* --> 179Hf72 + 27Al13 + 144.754 MeV [-2.710 MeV] (A_Os:963)
188Os76 + 9 D* --> 180Ta73 + 26Mg12 + 142.236 MeV [-5.228 MeV] (A_Os:964)
188Os76 + 9 D* --> 181Ta73 + 25Mg12 + 138.720 MeV [-8.744 MeV] (A_Os:965)
188Os76 + 9 D* --> 183W74 + 23Na11 + 132.982 MeV [-14.482 MeV] (A_Os:966)
188Os76 + 9 D* --> 185Re75 + 21Ne10 + 126.639 MeV [-20.825 MeV] (A_Os:967)
188Os76 + 9 D* --> 187Os76 + 19F9 + 119.791 MeV [-27.673 MeV] (A_Os:968)
188Os76 + 9 D* --> 192Pt78 + 14N7 + 110.515 MeV [-36.949 MeV] (A_Os:969)
188Os76 + 9 D* --> 196Hg80 + 10B5 + 96.861 MeV [-50.603 MeV] (A_Os:970)

188Os76 + 10 D* --> 122Sn50 + 86Kr36 + 263.432 MeV [98.166 MeV] (A_Os:971)
188Os76 + 10 D* --> 124Sn50 + 84Kr36 + 260.889 MeV [95.622 MeV] (A_Os:972)
188Os76 + 10 D* --> 126Te52 + 82Se34 + 257.879 MeV [92.613 MeV] (A_Os:973)
188Os76 + 10 D* --> 128Te52 + 80Se34 + 256.973 MeV [91.707 MeV] (A_Os:974)
188Os76 + 10 D* --> 130Te52 + 78Se34 + 254.598 MeV [89.332 MeV] (A_Os:975)
188Os76 + 10 D* --> 132Xe54 + 76Ge32 + 252.714 MeV [87.448 MeV] (A_Os:976)
188Os76 + 10 D* --> 134Xe54 + 74Ge32 + 251.768 MeV [86.502 MeV] (A_Os:977)
188Os76 + 10 D* --> 136Xe54 + 72Ge32 + 249.232 MeV [83.966 MeV] (A_Os:978)
188Os76 + 10 D* --> 138Ba56 + 70Zn30 + 248.047 MeV [82.781 MeV] (A_Os:979)
188Os76 + 10 D* --> 150Nd60 + 58Fe26 + 226.064 MeV [60.798 MeV] (A_Os:980)
188Os76 + 10 D* --> 154Sm62 + 54Cr24 + 219.615 MeV [54.349 MeV] (A_Os:981)
188Os76 + 10 D* --> 158Gd64 + 50Ti22 + 212.344 MeV [47.078 MeV] (A_Os:982)
188Os76 + 10 D* --> 160Gd64 + 48Ti22 + 206.657 MeV [41.391 MeV] (A_Os:983)
188Os76 + 10 D* --> 160Dy66 + 48Ca20 + 204.113 MeV [38.847 MeV] (A_Os:984)
188Os76 + 10 D* --> 162Dy66 + 46Ca20 + 201.543 MeV [36.277 MeV] (A_Os:985)
188Os76 + 10 D* --> 164Dy66 + 44Ca20 + 197.663 MeV [32.397 MeV] (A_Os:986)
188Os76 + 10 D* --> 168Er68 + 40Ar18 + 188.257 MeV [22.991 MeV] (A_Os:987)
188Os76 + 10 D* --> 170Er68 + 38Ar18 + 185.050 MeV [19.784 MeV] (A_Os:988)
188Os76 + 10 D* --> 172Yb70 + 36S16 + 180.145 MeV [14.879 MeV] (A_Os:989)
188Os76 + 10 D* --> 174Yb70 + 34S16 + 177.102 MeV [11.836 MeV] (A_Os:990)
188Os76 + 10 D* --> 176Yb70 + 32S16 + 169.731 MeV [4.465 MeV] (A_Os:991)
188Os76 + 10 D* --> 178Hf72 + 30Si14 + 167.098 MeV [1.832 MeV] (A_Os:992)
188Os76 + 10 D* --> 179Hf72 + 29Si14 + 162.588 MeV [-2.678 MeV] (A_Os:993)
188Os76 + 10 D* --> 180Hf72 + 28Si14 + 161.502 MeV [-3.764 MeV] (A_Os:994)
188Os76 + 10 D* --> 181Ta73 + 27Al13 + 155.859 MeV [-9.407 MeV] (A_Os:995)
188Os76 + 10 D* --> 182W74 + 26Mg12 + 154.683 MeV [-10.583 MeV] (A_Os:996)
188Os76 + 10 D* --> 183W74 + 25Mg12 + 149.781 MeV [-15.485 MeV] (A_Os:997)
188Os76 + 10 D* --> 184W74 + 24Mg12 + 149.862 MeV [-15.404 MeV] (A_Os:998)

188Os76 + 10 D* --> 185Re75 + 23Na11 + 143.573 MeV [-21.693 MeV] (A_Os:999)
188Os76 + 10 D* --> 186Os76 + 22Ne10 + 141.245 MeV [-24.021 MeV] (A_Os:1000)
188Os76 + 10 D* --> 187Os76 + 21Ne10 + 137.171 MeV [-28.095 MeV] (A_Os:1001)
188Os76 + 10 D* --> 188Os76 + 20Ne10 + 138.399 MeV [-26.867 MeV] (A_Os:1002)
188Os76 + 10 D* --> 190Pt78 + 18O8 + 128.326 MeV [-36.940 MeV] (A_Os:1003)
188Os76 + 10 D* --> 192Pt78 + 16O8 + 131.251 MeV [-34.015 MeV] (A_Os:1004)
188Os76 + 10 D* --> 196Hg80 + 12C6 + 122.047 MeV [-43.219 MeV] (A_Os:1005)

188Os76 + 11 D* --> 160Gd64 + 50V23 + 220.527 MeV [37.181 MeV] (A_Os:1006)
188Os76 + 11 D* --> 170Er68 + 40K19 + 197.006 MeV [13.661 MeV] (A_Os:1007)
188Os76 + 11 D* --> 173Yb70 + 37Cl17 + 192.674 MeV [9.329 MeV] (A_Os:1008)
188Os76 + 11 D* --> 176Lu71 + 34S16 + 186.676 MeV [3.330 MeV] (A_Os:1009)
188Os76 + 11 D* --> 179Hf72 + 31P15 + 178.269 MeV [-5.076 MeV] (A_Os:1010)
188Os76 + 11 D* --> 180Ta73 + 30Si14 + 176.726 MeV [-6.620 MeV] (A_Os:1011)
188Os76 + 11 D* --> 181Ta73 + 29Si14 + 173.693 MeV [-9.652 MeV] (A_Os:1012)
188Os76 + 11 D* --> 183W74 + 27Al13 + 166.920 MeV [-16.425 MeV] (A_Os:1013)
188Os76 + 11 D* --> 185Re75 + 25Mg12 + 160.371 MeV [-22.974 MeV] (A_Os:1014)
188Os76 + 11 D* --> 187Os76 + 23Na11 + 154.105 MeV [-29.241 MeV] (A_Os:1015)
188Os76 + 11 D* --> 196Hg80 + 14N7 + 132.320 MeV [-51.026 MeV] (A_Os:1016)

188Os76 + 12 D* --> 116Cd48 + 96Zr40 + 290.654 MeV [88.954 MeV] (A_Os:1017)
188Os76 + 12 D* --> 124Sn50 + 88Sr38 + 292.651 MeV [90.950 MeV] (A_Os:1018)
188Os76 + 12 D* --> 126Te52 + 86Kr36 + 289.822 MeV [88.122 MeV] (A_Os:1019)
188Os76 + 12 D* --> 128Te52 + 84Kr36 + 287.915 MeV [86.214 MeV] (A_Os:1020)
188Os76 + 12 D* --> 130Te52 + 82Kr36 + 284.433 MeV [82.732 MeV] (A_Os:1021)
188Os76 + 12 D* --> 130Xe54 + 82Se34 + 283.968 MeV [82.267 MeV] (A_Os:1022)
188Os76 + 12 D* --> 132Xe54 + 80Se34 + 283.533 MeV [81.832 MeV] (A_Os:1023)
188Os76 + 12 D* --> 134Xe54 + 78Se34 + 281.643 MeV [79.942 MeV] (A_Os:1024)
188Os76 + 12 D* --> 136Xe54 + 76Se34 + 278.169 MeV [76.469 MeV]

(A_Os:1025)
188Os76 + 12 D* --> 136Ba56 + 76Ge32 + 278.592 MeV [76.891 MeV]
(A_Os:1026)
188Os76 + 12 D* --> 138Ba56 + 74Ge32 + 278.176 MeV [76.475 MeV]
(A_Os:1027)
188Os76 + 12 D* --> 142Ce58 + 70Zn30 + 270.595 MeV [68.895 MeV]
(A_Os:1028)
188Os76 + 12 D* --> 148Nd60 + 64Ni28 + 261.005 MeV [59.304 MeV]
(A_Os:1029)
188Os76 + 12 D* --> 150Nd60 + 62Ni28 + 256.928 MeV [55.227 MeV]
(A_Os:1030)
188Os76 + 12 D* --> 154Sm62 + 58Fe26 + 251.107 MeV [49.406 MeV]
(A_Os:1031)
188Os76 + 12 D* --> 158Gd64 + 54Cr24 + 244.122 MeV [42.421 MeV]
(A_Os:1032)
188Os76 + 12 D* --> 160Gd64 + 52Cr24 + 239.858 MeV [38.157 MeV]
(A_Os:1033)
188Os76 + 12 D* --> 162Dy66 + 50Ti22 + 236.106 MeV [34.405 MeV]
(A_Os:1034)
188Os76 + 12 D* --> 163Dy66 + 49Ti22 + 231.438 MeV [29.737 MeV]
(A_Os:1035)
188Os76 + 12 D* --> 164Dy66 + 48Ti22 + 230.953 MeV [29.252 MeV]
(A_Os:1036)
188Os76 + 12 D* --> 164Er68 + 48Ca20 + 226.656 MeV [24.955 MeV]
(A_Os:1037)
188Os76 + 12 D* --> 166Er68 + 46Ca20 + 224.559 MeV [22.858 MeV]
(A_Os:1038)
188Os76 + 12 D* --> 168Er68 + 44Ca20 + 220.957 MeV [19.257 MeV]
(A_Os:1039)
188Os76 + 12 D* --> 170Er68 + 42Ca20 + 215.154 MeV [13.453 MeV]
(A_Os:1040)
188Os76 + 12 D* --> 172Yb70 + 40Ar18 + 210.792 MeV [9.092 MeV]
(A_Os:1041)
188Os76 + 12 D* --> 174Yb70 + 38Ar18 + 208.156 MeV [6.456 MeV]
(A_Os:1042)
188Os76 + 12 D* --> 176Yb70 + 36Ar18 + 200.218 MeV [-1.483 MeV]
(A_Os:1043)
188Os76 + 12 D* --> 175Lu71 + 37Cl17 + 203.424 MeV [1.724 MeV]
(A_Os:1044)
188Os76 + 12 D* --> 176Hf72 + 36S16 + 201.734 MeV [00.033 MeV]
(A_Os:1045)
188Os76 + 12 D* --> 178Hf72 + 34S16 + 198.868 MeV [-2.833 MeV]
(A_Os:1046)
188Os76 + 12 D* --> 179Hf72 + 33S16 + 193.550 MeV [-8.151 MeV]
(A_Os:1047)
188Os76 + 12 D* --> 180Hf72 + 32S16 + 192.296 MeV [-9.405 MeV]
(A_Os:1048)
188Os76 + 12 D* --> 181Ta73 + 31P15 + 189.375 MeV [-12.326 MeV]
(A_Os:1049)
188Os76 + 12 D* --> 182W74 + 30Si14 + 189.173 MeV [-12.528 MeV]
(A_Os:1050)
188Os76 + 12 D* --> 183W74 + 29Si14 + 184.754 MeV [-16.947 MeV]
(A_Os:1051)
188Os76 + 12 D* --> 184W74 + 28Si14 + 183.692 MeV [-18.008 MeV]

(A_Os:1052)
188Os76 + 12 D* --> 185Re75 + 27Al13 + 177.511 MeV [-24.190 MeV]
(A_Os:1053)
188Os76 + 12 D* --> 186Os76 + 26Mg12 + 175.706 MeV [-25.995 MeV]
(A_Os:1054)
188Os76 + 12 D* --> 187Os76 + 25Mg12 + 170.903 MeV [-30.798 MeV]
(A_Os:1055)
188Os76 + 12 D* --> 188Os76 + 24Mg12 + 171.562 MeV [-30.139 MeV]
(A_Os:1056)
188Os76 + 12 D* --> 190Pt78 + 22Ne10 + 161.840 MeV [-39.860 MeV]
(A_Os:1057)
188Os76 + 12 D* --> 192Pt78 + 20Ne10 + 159.827 MeV [-41.874 MeV]
(A_Os:1058)
188Os76 + 12 D* --> 196Hg80 + 16O8 + 153.056 MeV [-48.645 MeV]
(A_Os:1059)

189Os76 + D* --> 176Yb70 + 15N7 + 27.543 MeV [12.340 MeV]
(A_Os:1060)
189Os76 + D* --> 180Hf72 + 11B5 + 15.271 MeV [00.068 MeV]
(A_Os:1061)
189Os76 + D* --> 184W74 + 7Li3 + 4.950 MeV [-10.253 MeV]
(A_Os:1062)
189Os76 + D* --> 187Re75 + 4He2 + 12.941 MeV [-2.262 MeV]
(A_Os:1063)
189Os76 + D* --> 190Os76 + 1H1 + 5.568 MeV [-9.635 MeV]
(A_Os:1064)
189Os76 + D* --> 191Ir77 + 10.857 MeV [-4.346 MeV]
(A_Os:1065)

189Os76 + 2 D* --> 176Yb70 + 17O8 + 41.589 MeV [10.890 MeV]
(A_Os:1066)
189Os76 + 2 D* --> 180Hf72 + 13C6 + 33.949 MeV [3.251 MeV]
(A_Os:1067)
189Os76 + 2 D* --> 184W74 + 9Be4 + 21.646 MeV [-9.053 MeV]
(A_Os:1068)
189Os76 + 2 D* --> 187Re75 + 6Li3 + 14.415 MeV [-16.284 MeV]
(A_Os:1069)
189Os76 + 2 D* --> 189Os76 + 4He2 + 23.847 MeV [-6.852 MeV]
(A_Os:1070)
189Os76 + 2 D* --> 190Os76 + 3He2 + 11.061 MeV [-19.638 MeV]
(A_Os:1071)
189Os76 + 2 D* --> 191Ir77 + 2H1 + 10.857 MeV [-19.842 MeV]
(A_Os:1072)

189Os76 + 3 D* --> 176Yb70 + 19F9 + 55.403 MeV [8.917 MeV]
(A_Os:1073)
189Os76 + 3 D* --> 180Hf72 + 15N7 + 50.109 MeV [3.623 MeV]
(A_Os:1074)
189Os76 + 3 D* --> 184W74 + 11B5 + 37.461 MeV [-9.025 MeV]
(A_Os:1075)
189Os76 + 3 D* --> 188Os76 + 7Li3 + 26.650 MeV [-19.836 MeV]
(A_Os:1076)
189Os76 + 3 D* --> 189Os76 + 6Li3 + 25.320 MeV [-21.166 MeV]
(A_Os:1077)

189Os76 + 3 D* --> 191Ir77 + 4He2 + 34.703 MeV [-11.783 MeV]
(A_Os:1078)
189Os76 + 3 D* --> 194Pt78 + 1H1 + 27.896 MeV [-18.590 MeV]
(A_Os:1079)

189Os76 + 4 D* --> 176Yb70 + 21Ne10 + 72.783 MeV [10.220 MeV]
(A_Os:1080)
189Os76 + 4 D* --> 179Hf72 + 18O8 + 64.811 MeV [2.248 MeV]
(A_Os:1081)
189Os76 + 4 D* --> 180Hf72 + 17O8 + 64.155 MeV [1.592 MeV]
(A_Os:1082)
189Os76 + 4 D* --> 184W74 + 13C6 + 56.140 MeV [-6.423 MeV]
(A_Os:1083)
189Os76 + 4 D* --> 187Re75 + 10B5 + 42.722 MeV [-19.840 MeV]
(A_Os:1084)
189Os76 + 4 D* --> 188Os76 + 9Be4 + 43.346 MeV [-19.217 MeV]
(A_Os:1085)
189Os76 + 4 D* --> 191Ir77 + 6Li3 + 36.177 MeV [-26.386 MeV]
(A_Os:1086)
189Os76 + 4 D* --> 194Pt78 + 3He2 + 33.389 MeV [-29.174 MeV]
(A_Os:1087)

189Os76 + 5 D* --> 176Yb70 + 23Na11 + 89.717 MeV [10.790 MeV]
(A_Os:1088)
189Os76 + 5 D* --> 180Hf72 + 19F9 + 77.969 MeV [-0.958 MeV]
(A_Os:1089)
189Os76 + 5 D* --> 181Ta73 + 18O8 + 75.916 MeV [-3.011 MeV]
(A_Os:1090)
189Os76 + 5 D* --> 184W74 + 15N7 + 72.299 MeV [-6.628 MeV]
(A_Os:1091)
189Os76 + 5 D* --> 187Re75 + 12C6 + 67.909 MeV [-11.019 MeV]
(A_Os:1092)
189Os76 + 5 D* --> 188Os76 + 11B5 + 59.162 MeV [-19.766 MeV]
(A_Os:1093)
189Os76 + 5 D* --> 189Os76 + 10B5 + 53.628 MeV [-25.300 MeV]
(A_Os:1094)
189Os76 + 5 D* --> 192Pt78 + 7Li3 + 48.078 MeV [-30.850 MeV]
(A_Os:1095)
189Os76 + 5 D* --> 198Hg80 + 1H1 + 50.359 MeV [-28.569 MeV]
(A_Os:1096)

189Os76 + 6 D* --> 176Yb70 + 25Mg12 + 106.516 MeV [10.938 MeV]
(A_Os:1097)
189Os76 + 6 D* --> 179Hf72 + 22Ne10 + 98.326 MeV [2.748 MeV]
(A_Os:1098)
189Os76 + 6 D* --> 180Hf72 + 21Ne10 + 95.349 MeV [-0.229 MeV]
(A_Os:1099)
189Os76 + 6 D* --> 183W74 + 18O8 + 86.977 MeV [-8.600 MeV]
(A_Os:1100)
189Os76 + 6 D* --> 184W74 + 17O8 + 86.345 MeV [-9.233 MeV]
(A_Os:1101)
189Os76 + 6 D* --> 187Re75 + 14N7 + 78.181 MeV [-17.396 MeV]
(A_Os:1102)
189Os76 + 6 D* --> 188Os76 + 13C6 + 77.840 MeV [-17.737 MeV]

(A_Os:1103)
189Os76 + 6 D* --> 189Os76 + 12C6 + 78.814 MeV [-16.763 MeV]
(A_Os:1104)
189Os76 + 6 D* --> 191Ir77 + 10B5 + 64.485 MeV [-31.093 MeV]
(A_Os:1105)
189Os76 + 6 D* --> 192Pt78 + 9Be4 + 64.774 MeV [-30.804 MeV]
(A_Os:1106)
189Os76 + 6 D* --> 198Hg80 + 3He2 + 55.852 MeV [-39.726 MeV]
(A_Os:1107)

189Os76 + 7 D* --> 176Yb70 + 27Al13 + 123.655 MeV [11.143 MeV]
(A_Os:1108)
189Os76 + 7 D* --> 180Hf72 + 23Na11 + 112.283 MeV [-0.229 MeV]
(A_Os:1109)
189Os76 + 7 D* --> 181Ta73 + 22Ne10 + 109.431 MeV [-3.081 MeV]
(A_Os:1110)
189Os76 + 7 D* --> 184W74 + 19F9 + 100.159 MeV [-12.353 MeV]
(A_Os:1111)
189Os76 + 7 D* --> 185Re75 + 18O8 + 97.568 MeV [-14.944 MeV]
(A_Os:1112)
189Os76 + 7 D* --> 187Re75 + 16O8 + 98.917 MeV [-13.595 MeV]
(A_Os:1113)
189Os76 + 7 D* --> 188Os76 + 15N7 + 94.000 MeV [-18.512 MeV]
(A_Os:1114)
189Os76 + 7 D* --> 189Os76 + 14N7 + 89.087 MeV [-23.425 MeV]
(A_Os:1115)
189Os76 + 7 D* --> 191Ir77 + 12C6 + 89.671 MeV [-22.841 MeV]
(A_Os:1116)
189Os76 + 7 D* --> 192Pt78 + 11B5 + 80.590 MeV [-31.922 MeV]
(A_Os:1117)
189Os76 + 7 D* --> 196Hg80 + 7Li3 + 69.883 MeV [-42.629 MeV]
(A_Os:1118)

189Os76 + 8 D* --> 157Gd64 + 48Ca20 + 181.145 MeV [51.417 MeV]
(A_Os:1119)
189Os76 + 8 D* --> 176Yb70 + 29Si14 + 141.490 MeV [11.761 MeV]
(A_Os:1120)
189Os76 + 8 D* --> 179Hf72 + 26Mg12 + 132.787 MeV [3.058 MeV]
(A_Os:1121)
189Os76 + 8 D* --> 180Hf72 + 25Mg12 + 129.082 MeV [-0.647 MeV]
(A_Os:1122)
189Os76 + 8 D* --> 183W74 + 22Ne10 + 120.492 MeV [-9.237 MeV]
(A_Os:1123)
189Os76 + 8 D* --> 184W74 + 21Ne10 + 117.539 MeV [-12.189 MeV]
(A_Os:1124)
189Os76 + 8 D* --> 187Os76 + 18O8 + 108.100 MeV [-21.629 MeV]
(A_Os:1125)
189Os76 + 8 D* --> 188Os76 + 17O8 + 108.046 MeV [-21.683 MeV]
(A_Os:1126)
189Os76 + 8 D* --> 189Os76 + 16O8 + 109.823 MeV [-19.906 MeV]
(A_Os:1127)
189Os76 + 8 D* --> 191Ir77 + 14N7 + 99.943 MeV [-29.785 MeV]
(A_Os:1128)
189Os76 + 8 D* --> 192Pt78 + 13C6 + 99.268 MeV [-30.460 MeV]

(A_Os:1129)
189Os76 + 8 D* --> 196Hg80 + 9Be4 + 86.579 MeV [-43.149 MeV]
(A_Os:1130)

189Os76 + 9 D* --> 136Xe54 + 71Ga31 + 235.801 MeV [88.576 MeV]
(A_Os:1131)
189Os76 + 9 D* --> 159Tb65 + 48Ca20 + 192.989 MeV [45.763 MeV]
(A_Os:1132)
189Os76 + 9 D* --> 170Er68 + 37Cl17 + 171.112 MeV [23.886 MeV]
(A_Os:1133)
189Os76 + 9 D* --> 176Yb70 + 31P15 + 157.171 MeV [9.945 MeV]
(A_Os:1134)
189Os76 + 9 D* --> 180Hf72 + 27Al13 + 146.221 MeV [-1.005 MeV]
(A_Os:1135)
189Os76 + 9 D* --> 181Ta73 + 26Mg12 + 143.892 MeV [-3.334 MeV]
(A_Os:1136)
189Os76 + 9 D* --> 184W74 + 23Na11 + 134.473 MeV [-12.753 MeV]
(A_Os:1137)
189Os76 + 9 D* --> 185Re75 + 22Ne10 + 131.083 MeV [-16.143 MeV]
(A_Os:1138)
189Os76 + 9 D* --> 187Re75 + 20Ne10 + 127.494 MeV [-19.732 MeV]
(A_Os:1139)
189Os76 + 9 D* --> 188Os76 + 19F9 + 121.860 MeV [-25.366 MeV]
(A_Os:1140)
189Os76 + 9 D* --> 191Ir77 + 16O8 + 120.680 MeV [-26.546 MeV]
(A_Os:1141)
189Os76 + 9 D* --> 192Pt78 + 15N7 + 115.428 MeV [-31.798 MeV]
(A_Os:1142)
189Os76 + 9 D* --> 196Hg80 + 11B5 + 102.395 MeV [-44.831 MeV]
(A_Os:1143)

189Os76 + 10 D* --> 136Xe54 + 73Ge32 + 250.095 MeV [85.092 MeV]
(A_Os:1144)
189Os76 + 10 D* --> 160Gd64 + 49Ti22 + 208.879 MeV [43.877 MeV]
(A_Os:1145)
189Os76 + 10 D* --> 161Dy66 + 48Ca20 + 204.647 MeV [39.645 MeV]
(A_Os:1146)
189Os76 + 10 D* --> 163Dy66 + 46Ca20 + 201.893 MeV [36.891 MeV]
(A_Os:1147)
189Os76 + 10 D* --> 173Yb70 + 36S16 + 180.592 MeV [15.590 MeV]
(A_Os:1148)
189Os76 + 10 D* --> 176Yb70 + 33S16 + 172.452 MeV [7.450 MeV]
(A_Os:1149)
189Os76 + 10 D* --> 179Hf72 + 30Si14 + 167.277 MeV [2.275 MeV]
(A_Os:1150)
189Os76 + 10 D* --> 180Hf72 + 29Si14 + 164.055 MeV [-0.947 MeV]
(A_Os:1151)
189Os76 + 10 D* --> 183W74 + 26Mg12 + 154.953 MeV [-10.049 MeV]
(A_Os:1152)
189Os76 + 10 D* --> 184W74 + 25Mg12 + 151.272 MeV [-13.730 MeV]
(A_Os:1153)
189Os76 + 10 D* --> 187Os76 + 22Ne10 + 141.615 MeV [-23.387 MeV]
(A_Os:1154)
189Os76 + 10 D* --> 188Os76 + 21Ne10 + 139.240 MeV [-25.762 MeV]

(A_Os:1155)
189Os76 + 10 D* --> 189Os76 + 20Ne10 + 138.399 MeV [-26.603 MeV]
(A_Os:1156)
189Os76 + 10 D* --> 192Pt78 + 17O8 + 129.474 MeV [-35.529 MeV]
(A_Os:1157)
189Os76 + 10 D* --> 196Hg80 + 13C6 + 121.074 MeV [-43.929 MeV]
(A_Os:1158)

189Os76 + 11 D* --> 124Sn50 + 87Rb37 + 278.342 MeV [95.287 MeV]
(A_Os:1159)
189Os76 + 11 D* --> 130Te52 + 81Br35 + 270.834 MeV [87.778 MeV]
(A_Os:1160)
189Os76 + 11 D* --> 136Xe54 + 75As33 + 264.965 MeV [81.910 MeV]
(A_Os:1161)
189Os76 + 11 D* --> 160Gd64 + 51V23 + 225.658 MeV [42.602 MeV]
(A_Os:1162)
189Os76 + 11 D* --> 165Ho67 + 46Ca20 + 213.547 MeV [30.492 MeV]
(A_Os:1163)
189Os76 + 11 D* --> 170Er68 + 41K19 + 201.181 MeV [18.126 MeV]
(A_Os:1164)
189Os76 + 11 D* --> 174Yb70 + 37Cl17 + 194.219 MeV [11.163 MeV]
(A_Os:1165)
189Os76 + 11 D* --> 176Yb70 + 35Cl17 + 188.015 MeV [4.960 MeV]
(A_Os:1166)
189Os76 + 11 D* --> 175Lu71 + 36S16 + 191.342 MeV [8.287 MeV]
(A_Os:1167)
189Os76 + 11 D* --> 180Hf72 + 31P15 + 179.737 MeV [-3.319 MeV]
(A_Os:1168)
189Os76 + 11 D* --> 181Ta73 + 30Si14 + 178.382 MeV [-4.673 MeV]
(A_Os:1169)
189Os76 + 11 D* --> 184W74 + 27Al13 + 168.412 MeV [-14.644 MeV]
(A_Os:1170)
189Os76 + 11 D* --> 185Re75 + 26Mg12 + 165.544 MeV [-17.511 MeV]
(A_Os:1171)
189Os76 + 11 D* --> 187Re75 + 24Mg12 + 160.657 MeV [-22.399 MeV]
(A_Os:1172)
189Os76 + 11 D* --> 188Os76 + 23Na11 + 156.174 MeV [-26.882 MeV]
(A_Os:1173)
189Os76 + 11 D* --> 191Ir77 + 20Ne10 + 149.256 MeV [-33.800 MeV]
(A_Os:1174)
189Os76 + 11 D* --> 192Pt78 + 19F9 + 143.288 MeV [-39.768 MeV]
(A_Os:1175)
189Os76 + 11 D* --> 196Hg80 + 15N7 + 137.233 MeV [-45.823 MeV]
(A_Os:1176)

189Os76 + 12 D* --> 130Te52 + 83Kr36 + 285.976 MeV [84.592 MeV]
(A_Os:1177)
189Os76 + 12 D* --> 131Xe54 + 82Se34 + 284.653 MeV [83.268 MeV]
(A_Os:1178)
189Os76 + 12 D* --> 136Xe54 + 77Se34 + 279.668 MeV [78.283 MeV]
(A_Os:1179)
189Os76 + 12 D* --> 137Ba56 + 76Ge32 + 279.578 MeV [78.193 MeV]
(A_Os:1180)
189Os76 + 12 D* --> 160Gd64 + 53Cr24 + 241.877 MeV [40.492 MeV]

(A_Os:1181)
189Os76 + 12 D* --> 163Dy66 + 50Ti22 + 236.456 MeV [35.072 MeV]
(A_Os:1182)
189Os76 + 12 D* --> 164Dy66 + 49Ti22 + 233.175 MeV [31.791 MeV]
(A_Os:1183)
189Os76 + 12 D* --> 167Er68 + 46Ca20 + 225.075 MeV [23.690 MeV]
(A_Os:1184)
189Os76 + 12 D* --> 170Er68 + 43Ca20 + 217.167 MeV [15.782 MeV]
(A_Os:1185)
189Os76 + 12 D* --> 173Yb70 + 40Ar18 + 211.239 MeV [9.855 MeV]
(A_Os:1186)
189Os76 + 12 D* --> 176Lu71 + 37Cl17 + 203.792 MeV [2.407 MeV]
(A_Os:1187)
189Os76 + 12 D* --> 177Hf72 + 36S16 + 202.197 MeV [00.812 MeV]
(A_Os:1188)
189Os76 + 12 D* --> 179Hf72 + 34S16 + 199.047 MeV [-2.338 MeV]
(A_Os:1189)
189Os76 + 12 D* --> 180Hf72 + 33S16 + 195.018 MeV [-6.367 MeV]
(A_Os:1190)
189Os76 + 12 D* --> 183W74 + 30Si14 + 189.443 MeV [-11.941 MeV]
(A_Os:1191)
189Os76 + 12 D* --> 184W74 + 29Si14 + 186.246 MeV [-15.139 MeV]
(A_Os:1192)
189Os76 + 12 D* --> 187Os76 + 26Mg12 + 176.076 MeV [-25.309 MeV]
(A_Os:1193)
189Os76 + 12 D* --> 188Os76 + 25Mg12 + 172.973 MeV [-28.412 MeV]
(A_Os:1194)
189Os76 + 12 D* --> 189Os76 + 24Mg12 + 171.562 MeV [-29.822 MeV]
(A_Os:1195)
189Os76 + 12 D* --> 192Pt78 + 21Ne10 + 160.668 MeV [-40.717 MeV]
(A_Os:1196)
189Os76 + 12 D* --> 196Hg80 + 17O8 + 151.279 MeV [-50.106 MeV]
(A_Os:1197)

190Os76 + D* --> 186W74 + 6Li3 + 2.852 MeV [-12.324 MeV]
(A_Os:1198)

190Os76 + 2 D* --> 176Yb70 + 18O8 + 41.841 MeV [11.195 MeV]
(A_Os:1199)
190Os76 + 2 D* --> 187Re75 + 7Li3 + 13.873 MeV [-16.773 MeV]
(A_Os:1200)
190Os76 + 2 D* --> 190Os76 + 4He2 + 23.847 MeV [-6.799 MeV]
(A_Os:1201)
190Os76 + 2 D* --> 193Ir77 + 1H1 + 14.810 MeV [-15.836 MeV]
(A_Os:1202)
190Os76 + 2 D* --> 194Pt78 + 22.328 MeV [-8.318 MeV]
(A_Os:1203)

190Os76 + 3 D* --> 186W74 + 10B5 + 31.160 MeV [-15.247 MeV]
(A_Os:1204)
190Os76 + 3 D* --> 187Re75 + 9Be4 + 30.569 MeV [-15.838 MeV]
(A_Os:1205)
190Os76 + 3 D* --> 189Os76 + 7Li3 + 24.778 MeV [-21.629 MeV]
(A_Os:1206)

190Os76 + 3 D* --> 190Os76 + 6Li3 + 25.320 MeV [-21.087 MeV]
(A_Os:1207)
190Os76 + 3 D* --> 193Ir77 + 3He2 + 20.303 MeV [-26.104 MeV]
(A_Os:1208)
190Os76 + 3 D* --> 194Pt78 + 2H1 + 22.328 MeV [-24.079 MeV]
(A_Os:1209)
190Os76 + 3 D* --> 195Pt78 + 1H1 + 26.209 MeV [-20.198 MeV]
(A_Os:1210)

190Os76 + 4 D* --> 150Nd60 + 48Ca20 + 131.740 MeV [69.283 MeV]
(A_Os:1211)
190Os76 + 4 D* --> 176Yb70 + 22Ne10 + 75.355 MeV [12.898 MeV]
(A_Os:1212)
190Os76 + 4 D* --> 180Hf72 + 18O8 + 64.406 MeV [1.949 MeV]
(A_Os:1213)
190Os76 + 4 D* --> 186W74 + 12C6 + 56.346 MeV [-6.111 MeV]
(A_Os:1214)
190Os76 + 4 D* --> 187Re75 + 11B5 + 46.384 MeV [-16.073 MeV]
(A_Os:1215)
190Os76 + 4 D* --> 189Os76 + 9Be4 + 41.474 MeV [-20.983 MeV]
(A_Os:1216)
190Os76 + 4 D* --> 191Ir77 + 7Li3 + 35.635 MeV [-26.823 MeV]
(A_Os:1217)
190Os76 + 4 D* --> 194Pt78 + 4He2 + 46.175 MeV [-16.283 MeV]
(A_Os:1218)
190Os76 + 4 D* --> 195Pt78 + 3He2 + 31.702 MeV [-30.755 MeV]
(A_Os:1219)
190Os76 + 4 D* --> 197Au79 + 1H1 + 37.689 MeV [-24.769 MeV]
(A_Os:1220)
190Os76 + 4 D* --> 198Hg80 + 44.791 MeV [-17.666 MeV]
(A_Os:1221)

190Os76 + 5 D* --> 186W74 + 14N7 + 66.618 MeV [-12.177 MeV]
(A_Os:1222)
190Os76 + 5 D* --> 187Re75 + 13C6 + 65.063 MeV [-13.733 MeV]
(A_Os:1223)
190Os76 + 5 D* --> 189Os76 + 11B5 + 57.290 MeV [-21.506 MeV]
(A_Os:1224)
190Os76 + 5 D* --> 190Os76 + 10B5 + 53.628 MeV [-25.168 MeV]
(A_Os:1225)
190Os76 + 5 D* --> 191Ir77 + 9Be4 + 52.331 MeV [-26.465 MeV]
(A_Os:1226)
190Os76 + 5 D* --> 194Pt78 + 6Li3 + 47.649 MeV [-31.147 MeV]
(A_Os:1227)
190Os76 + 5 D* --> 197Au79 + 3He2 + 43.182 MeV [-35.614 MeV]
(A_Os:1228)
190Os76 + 5 D* --> 198Hg80 + 2H1 + 44.791 MeV [-34.005 MeV]
(A_Os:1229)
190Os76 + 5 D* --> 199Hg80 + 1H1 + 49.230 MeV [-29.565 MeV]
(A_Os:1230)

190Os76 + 6 D* --> 154Sm62 + 48Ca20 + 156.784 MeV [61.364 MeV]
(A_Os:1231)
190Os76 + 6 D* --> 176Yb70 + 26Mg12 + 109.817 MeV [14.397 MeV]

(A_Os:1232)
190Os76 + 6 D* --> 180Hf72 + 22Ne10 + 97.921 MeV [2.501 MeV]
(A_Os:1233)
190Os76 + 6 D* --> 184W74 + 18O8 + 86.597 MeV [-8.823 MeV]
(A_Os:1234)
190Os76 + 6 D* --> 186W74 + 16O8 + 87.355 MeV [-8.065 MeV]
(A_Os:1235)
190Os76 + 6 D* --> 187Re75 + 15N7 + 81.222 MeV [-14.197 MeV]
(A_Os:1236)
190Os76 + 6 D* --> 189Os76 + 13C6 + 75.968 MeV [-19.451 MeV]
(A_Os:1237)
190Os76 + 6 D* --> 190Os76 + 12C6 + 78.814 MeV [-16.605 MeV]
(A_Os:1238)
190Os76 + 6 D* --> 191Ir77 + 11B5 + 68.146 MeV [-27.273 MeV]
(A_Os:1239)
190Os76 + 6 D* --> 198Hg80 + 4He2 + 68.638 MeV [-26.782 MeV]
(A_Os:1240)
190Os76 + 6 D* --> 199Hg80 + 3He2 + 54.724 MeV [-40.696 MeV]
(A_Os:1241)

190Os76 + 7 D* --> 187Re75 + 17O8 + 95.268 MeV [-17.060 MeV]
(A_Os:1242)
190Os76 + 7 D* --> 189Os76 + 15N7 + 92.128 MeV [-20.200 MeV]
(A_Os:1243)
190Os76 + 7 D* --> 190Os76 + 14N7 + 89.087 MeV [-23.241 MeV]
(A_Os:1244)
190Os76 + 7 D* --> 191Ir77 + 13C6 + 86.825 MeV [-25.503 MeV]
(A_Os:1245)
190Os76 + 7 D* --> 194Pt78 + 10B5 + 75.956 MeV [-36.372 MeV]
(A_Os:1246)
190Os76 + 7 D* --> 198Hg80 + 6Li3 + 70.111 MeV [-42.217 MeV]
(A_Os:1247)

190Os76 + 8 D* --> 124Sn50 + 82Se34 + 232.210 MeV [102.692 MeV]
(A_Os:1248)
190Os76 + 8 D* --> 130Te52 + 76Ge32 + 226.944 MeV [97.426 MeV]
(A_Os:1249)
190Os76 + 8 D* --> 136Xe54 + 70Zn30 + 222.369 MeV [92.851 MeV]
(A_Os:1250)
190Os76 + 8 D* --> 158Gd64 + 48Ca20 + 181.290 MeV [51.772 MeV]
(A_Os:1251)
190Os76 + 8 D* --> 160Gd64 + 46Ca20 + 177.463 MeV [47.945 MeV]
(A_Os:1252)
190Os76 + 8 D* --> 170Er68 + 36S16 + 157.158 MeV [27.640 MeV]
(A_Os:1253)
190Os76 + 8 D* --> 176Yb70 + 30Si14 + 144.307 MeV [14.788 MeV]
(A_Os:1254)
190Os76 + 8 D* --> 180Hf72 + 26Mg12 + 132.382 MeV [2.864 MeV]
(A_Os:1255)
190Os76 + 8 D* --> 184W74 + 22Ne10 + 120.111 MeV [-9.407 MeV]
(A_Os:1256)
190Os76 + 8 D* --> 186W74 + 20Ne10 + 115.931 MeV [-13.587 MeV]
(A_Os:1257)
190Os76 + 8 D* --> 187Re75 + 19F9 + 109.083 MeV [-20.436 MeV]

(A_Os:1258)
190Os76 + 8 D* --> 188Os76 + 18O8 + 108.297 MeV [-21.221 MeV]
(A_Os:1259)
190Os76 + 8 D* --> 189Os76 + 17O8 + 106.174 MeV [-23.345 MeV]
(A_Os:1260)
190Os76 + 8 D* --> 190Os76 + 16O8 + 109.823 MeV [-19.696 MeV]
(A_Os:1261)
190Os76 + 8 D* --> 191Ir77 + 15N7 + 102.984 MeV [-26.534 MeV]
(A_Os:1262)
190Os76 + 8 D* --> 194Pt78 + 12C6 + 101.143 MeV [-28.376 MeV]
(A_Os:1263)

190Os76 + 9 D* --> 187Re75 + 21Ne10 + 126.463 MeV [-20.527 MeV]
(A_Os:1264)
190Os76 + 9 D* --> 189Os76 + 19F9 + 119.988 MeV [-27.002 MeV]
(A_Os:1265)
190Os76 + 9 D* --> 191Ir77 + 17O8 + 117.030 MeV [-29.959 MeV]
(A_Os:1266)
190Os76 + 9 D* --> 194Pt78 + 14N7 + 111.415 MeV [-35.575 MeV]
(A_Os:1267)
190Os76 + 9 D* --> 198Hg80 + 10B5 + 98.419 MeV [-48.571 MeV]
(A_Os:1268)

190Os76 + 10 D* --> 124Sn50 + 86Kr36 + 264.153 MeV [99.414 MeV]
(A_Os:1269)
190Os76 + 10 D* --> 128Te52 + 82Se34 + 259.237 MeV [94.497 MeV]
(A_Os:1270)
190Os76 + 10 D* --> 130Te52 + 80Se34 + 257.762 MeV [93.023 MeV]
(A_Os:1271)
190Os76 + 10 D* --> 134Xe54 + 76Ge32 + 253.988 MeV [89.249 MeV]
(A_Os:1272)
190Os76 + 10 D* --> 136Xe54 + 74Ge32 + 252.498 MeV [87.759 MeV]
(A_Os:1273)
190Os76 + 10 D* --> 160Gd64 + 50Ti22 + 212.026 MeV [47.286 MeV]
(A_Os:1274)
190Os76 + 10 D* --> 162Dy66 + 48Ca20 + 205.052 MeV [40.312 MeV]
(A_Os:1275)
190Os76 + 10 D* --> 164Dy66 + 46Ca20 + 201.759 MeV [37.020 MeV]
(A_Os:1276)
190Os76 + 10 D* --> 170Er68 + 40Ar18 + 187.805 MeV [23.066 MeV]
(A_Os:1277)
190Os76 + 10 D* --> 174Yb70 + 36S16 + 180.265 MeV [15.525 MeV]
(A_Os:1278)
190Os76 + 10 D* --> 176Yb70 + 34S16 + 176.077 MeV [11.337 MeV]
(A_Os:1279)
190Os76 + 10 D* --> 180Hf72 + 30Si14 + 166.872 MeV [2.133 MeV]
(A_Os:1280)
190Os76 + 10 D* --> 184W74 + 26Mg12 + 154.573 MeV [-10.167 MeV]
(A_Os:1281)
190Os76 + 10 D* --> 186W74 + 24Mg12 + 149.094 MeV [-15.646 MeV]
(A_Os:1282)
190Os76 + 10 D* --> 187Re75 + 23Na11 + 143.396 MeV [-21.343 MeV]
(A_Os:1283)
190Os76 + 10 D* --> 188Os76 + 22Ne10 + 141.812 MeV [-22.928 MeV]

(A_Os:1284)
190Os76 + 10 D* --> 189Os76 + 21Ne10 + 137.368 MeV [-27.372 MeV]
(A_Os:1285)
190Os76 + 10 D* --> 190Os76 + 20Ne10 + 138.399 MeV [-26.341 MeV]
(A_Os:1286)
190Os76 + 10 D* --> 191Ir77 + 19F9 + 130.845 MeV [-33.895 MeV]
(A_Os:1287)
190Os76 + 10 D* --> 192Pt78 + 18O8 + 129.725 MeV [-35.014 MeV]
(A_Os:1288)
190Os76 + 10 D* --> 194Pt78 + 16O8 + 132.151 MeV [-32.589 MeV]
(A_Os:1289)
190Os76 + 10 D* --> 198Hg80 + 12C6 + 123.605 MeV [-41.134 MeV]
(A_Os:1290)

190Os76 + 11 D* --> 176Lu71 + 36S16 + 189.838 MeV [7.071 MeV]
(A_Os:1291)
190Os76 + 11 D* --> 187Re75 + 25Mg12 + 160.195 MeV [-22.572 MeV]
(A_Os:1292)
190Os76 + 11 D* --> 189Os76 + 23Na11 + 154.302 MeV [-28.465 MeV]
(A_Os:1293)
190Os76 + 11 D* --> 191Ir77 + 21Ne10 + 148.225 MeV [-34.542 MeV]
(A_Os:1294)
190Os76 + 11 D* --> 198Hg80 + 14N7 + 133.878 MeV [-48.890 MeV]
(A_Os:1295)

190Os76 + 12 D* --> 128Te52 + 86Kr36 + 291.180 MeV [90.109 MeV]
(A_Os:1296)
190Os76 + 12 D* --> 130Te52 + 84Kr36 + 288.705 MeV [87.634 MeV]
(A_Os:1297)
190Os76 + 12 D* --> 132Xe54 + 82Se34 + 285.797 MeV [84.726 MeV]
(A_Os:1298)
190Os76 + 12 D* --> 134Xe54 + 80Se34 + 284.807 MeV [83.736 MeV]
(A_Os:1299)
190Os76 + 12 D* --> 136Xe54 + 78Se34 + 282.374 MeV [81.303 MeV]
(A_Os:1300)
190Os76 + 12 D* --> 138Ba56 + 76Ge32 + 280.397 MeV [79.327 MeV]
(A_Os:1301)
190Os76 + 12 D* --> 150Nd60 + 64Ni28 + 259.711 MeV [58.641 MeV]
(A_Os:1302)
190Os76 + 12 D* --> 160Gd64 + 54Cr24 + 243.804 MeV [42.733 MeV]
(A_Os:1303)
190Os76 + 12 D* --> 164Dy66 + 50Ti22 + 236.322 MeV [35.252 MeV]
(A_Os:1304)
190Os76 + 12 D* --> 166Er68 + 48Ca20 + 228.068 MeV [26.998 MeV]
(A_Os:1305)
190Os76 + 12 D* --> 168Er68 + 46Ca20 + 225.054 MeV [23.984 MeV]
(A_Os:1306)
190Os76 + 12 D* --> 170Er68 + 44Ca20 + 220.505 MeV [19.435 MeV]
(A_Os:1307)
190Os76 + 12 D* --> 174Yb70 + 40Ar18 + 210.912 MeV [9.841 MeV]
(A_Os:1308)
190Os76 + 12 D* --> 176Yb70 + 38Ar18 + 207.131 MeV [6.061 MeV]
(A_Os:1309)
190Os76 + 12 D* --> 178Hf72 + 36S16 + 202.031 MeV [00.960 MeV]

(A_Os:1310)
190Os76 + 12 D* --> 180Hf72 + 34S16 + 198.643 MeV [-2.428 MeV]
(A_Os:1311)
190Os76 + 12 D* --> 184W74 + 30Si14 + 189.063 MeV [-12.008 MeV]
(A_Os:1312)
190Os76 + 12 D* --> 186W74 + 28Si14 + 182.925 MeV [-18.146 MeV]
(A_Os:1313)
190Os76 + 12 D* --> 187Re75 + 27Al13 + 177.335 MeV [-23.736 MeV]
(A_Os:1314)
190Os76 + 12 D* --> 188Os76 + 26Mg12 + 176.273 MeV [-24.797 MeV]
(A_Os:1315)
190Os76 + 12 D* --> 189Os76 + 25Mg12 + 171.101 MeV [-29.970 MeV]
(A_Os:1316)
190Os76 + 12 D* --> 190Os76 + 24Mg12 + 171.562 MeV [-29.508 MeV]
(A_Os:1317)
190Os76 + 12 D* --> 191Ir77 + 23Na11 + 165.159 MeV [-35.912 MeV]
(A_Os:1318)
190Os76 + 12 D* --> 192Pt78 + 22Ne10 + 163.240 MeV [-37.831 MeV]
(A_Os:1319)
190Os76 + 12 D* --> 194Pt78 + 20Ne10 + 160.727 MeV [-40.343 MeV]
(A_Os:1320)
190Os76 + 12 D* --> 196Hg80 + 18O8 + 151.531 MeV [-49.540 MeV]
(A_Os:1321)
190Os76 + 12 D* --> 198Hg80 + 16O8 + 154.614 MeV [-46.457 MeV]
(A_Os:1322)

192Os76 + 2 D* --> 192Os76 + 4He2 + 23.847 MeV [-6.695 MeV]
(A_Os:1323)
192Os76 + 2 D* --> 196Pt78 + 23.038 MeV [-7.503 MeV]
(A_Os:1324)

192Os76 + 3 D* --> 192Os76 + 6Li3 + 25.320 MeV [-20.930 MeV]
(A_Os:1325)
192Os76 + 3 D* --> 196Pt78 + 2H1 + 23.038 MeV [-23.212 MeV]
(A_Os:1326)

192Os76 + 4 D* --> 193Ir77 + 7Li3 + 36.288 MeV [-25.961 MeV]
(A_Os:1327)
192Os76 + 4 D* --> 196Pt78 + 4He2 + 46.885 MeV [-15.364 MeV]
(A_Os:1328)
192Os76 + 4 D* --> 200Hg80 + 46.167 MeV [-16.082 MeV]
(A_Os:1329)

192Os76 + 5 D* --> 192Os76 + 10B5 + 53.628 MeV [-24.907 MeV]
(A_Os:1330)
192Os76 + 5 D* --> 193Ir77 + 9Be4 + 52.984 MeV [-25.551 MeV]
(A_Os:1331)
192Os76 + 5 D* --> 195Pt78 + 7Li3 + 47.687 MeV [-30.848 MeV]
(A_Os:1332)
192Os76 + 5 D* --> 196Pt78 + 6Li3 + 48.359 MeV [-30.176 MeV]
(A_Os:1333)
192Os76 + 5 D* --> 200Hg80 + 2H1 + 46.167 MeV [-32.368 MeV]
(A_Os:1334)

192Os76 + 5 D* --> 201Hg80 + 1H1 + 50.172 MeV [-28.362 MeV]
(A_Os:1335)

192Os76 + 6 D* --> 186W74 + 18O8 + 86.225 MeV [-8.882 MeV]
(A_Os:1336)
192Os76 + 6 D* --> 192Os76 + 12C6 + 78.814 MeV [-16.293 MeV]
(A_Os:1337)
192Os76 + 6 D* --> 193Ir77 + 11B5 + 68.800 MeV [-26.307 MeV]
(A_Os:1338)
192Os76 + 6 D* --> 195Pt78 + 9Be4 + 64.383 MeV [-30.724 MeV]
(A_Os:1339)
192Os76 + 6 D* --> 197Au79 + 7Li3 + 59.167 MeV [-35.940 MeV]
(A_Os:1340)
192Os76 + 6 D* --> 200Hg80 + 4He2 + 70.013 MeV [-25.094 MeV]
(A_Os:1341)
192Os76 + 6 D* --> 201Hg80 + 3He2 + 55.666 MeV [-39.441 MeV]
(A_Os:1342)
192Os76 + 6 D* --> 203Tl81 + 1H1 + 61.406 MeV [-33.701 MeV]
(A_Os:1343)
192Os76 + 6 D* --> 204Pb82 + 68.044 MeV [-27.063 MeV]
(A_Os:1344)

192Os76 + 7 D* --> 192Os76 + 14N7 + 89.087 MeV [-22.877 MeV]
(A_Os:1345)
192Os76 + 7 D* --> 193Ir77 + 13C6 + 87.478 MeV [-24.485 MeV]
(A_Os:1346)
192Os76 + 7 D* --> 195Pt78 + 11B5 + 80.198 MeV [-31.765 MeV]
(A_Os:1347)
192Os76 + 7 D* --> 196Pt78 + 10B5 + 76.666 MeV [-35.297 MeV]
(A_Os:1348)
192Os76 + 7 D* --> 197Au79 + 9Be4 + 75.863 MeV [-36.100 MeV]
(A_Os:1349)
192Os76 + 7 D* --> 199Hg80 + 7Li3 + 70.708 MeV [-41.255 MeV]
(A_Os:1350)
192Os76 + 7 D* --> 200Hg80 + 6Li3 + 71.487 MeV [-40.476 MeV]
(A_Os:1351)
192Os76 + 7 D* --> 203Tl81 + 3He2 + 66.900 MeV [-45.064 MeV]
(A_Os:1352)
192Os76 + 7 D* --> 204Pb82 + 2H1 + 68.044 MeV [-43.920 MeV]
(A_Os:1353)

192Os76 + 8 D* --> 160Gd64 + 48Ca20 + 181.368 MeV [52.266 MeV]
(A_Os:1354)
192Os76 + 8 D* --> 186W74 + 22Ne10 + 119.740 MeV [-9.362 MeV]
(A_Os:1355)
192Os76 + 8 D* --> 190Os76 + 18O8 + 108.693 MeV [-20.409 MeV]
(A_Os:1356)
192Os76 + 8 D* --> 192Os76 + 16O8 + 109.823 MeV [-19.279 MeV]
(A_Os:1357)
192Os76 + 8 D* --> 193Ir77 + 15N7 + 103.638 MeV [-25.464 MeV]
(A_Os:1358)
192Os76 + 8 D* --> 195Pt78 + 13C6 + 98.877 MeV [-30.225 MeV]
(A_Os:1359)
192Os76 + 8 D* --> 196Pt78 + 12C6 + 101.853 MeV [-27.249 MeV]

(A_Os:1360)
192Os76 + 8 D* --> 197Au79 + 11B5 + 91.678 MeV [-37.424 MeV]
(A_Os:1361)
192Os76 + 8 D* --> 199Hg80 + 9Be4 + 87.405 MeV [-41.697 MeV]
(A_Os:1362)
192Os76 + 8 D* --> 204Pb82 + 4He2 + 91.890 MeV [-37.212 MeV]
(A_Os:1363)

192Os76 + 9 D* --> 193Ir77 + 17O8 + 117.684 MeV [-28.838 MeV]
(A_Os:1364)
192Os76 + 9 D* --> 195Pt78 + 15N7 + 115.036 MeV [-31.485 MeV]
(A_Os:1365)
192Os76 + 9 D* --> 196Pt78 + 14N7 + 112.125 MeV [-34.396 MeV]
(A_Os:1366)
192Os76 + 9 D* --> 197Au79 + 13C6 + 110.357 MeV [-36.164 MeV]
(A_Os:1367)
192Os76 + 9 D* --> 199Hg80 + 11B5 + 103.220 MeV [-43.301 MeV]
(A_Os:1368)
192Os76 + 9 D* --> 200Hg80 + 10B5 + 99.794 MeV [-46.727 MeV]
(A_Os:1369)
192Os76 + 9 D* --> 204Pb82 + 6Li3 + 93.364 MeV [-53.158 MeV]
(A_Os:1370)

192Os76 + 10 D* --> 130Te52 + 82Se34 + 260.422 MeV [96.202 MeV]
(A_Os:1371)
192Os76 + 10 D* --> 136Xe54 + 76Ge32 + 255.115 MeV [90.895 MeV]
(A_Os:1372)
192Os76 + 10 D* --> 164Dy66 + 48Ca20 + 205.664 MeV [41.444 MeV]
(A_Os:1373)
192Os76 + 10 D* --> 176Yb70 + 36S16 + 179.635 MeV [15.415 MeV]
(A_Os:1374)
192Os76 + 10 D* --> 186W74 + 26Mg12 + 154.201 MeV [-10.019 MeV]
(A_Os:1375)
192Os76 + 10 D* --> 190Os76 + 22Ne10 + 142.208 MeV [-22.012 MeV]
(A_Os:1376)
192Os76 + 10 D* --> 192Os76 + 20Ne10 + 138.399 MeV [-25.821 MeV]
(A_Os:1377)
192Os76 + 10 D* --> 193Ir77 + 19F9 + 131.498 MeV [-32.722 MeV]
(A_Os:1378)
192Os76 + 10 D* --> 194Pt78 + 18O8 + 131.021 MeV [-33.199 MeV]
(A_Os:1379)
192Os76 + 10 D* --> 195Pt78 + 17O8 + 129.082 MeV [-35.138 MeV]
(A_Os:1380)
192Os76 + 10 D* --> 196Pt78 + 16O8 + 132.861 MeV [-31.359 MeV]
(A_Os:1381)
192Os76 + 10 D* --> 197Au79 + 15N7 + 126.516 MeV [-37.704 MeV]
(A_Os:1382)
192Os76 + 10 D* --> 199Hg80 + 13C6 + 121.899 MeV [-42.321 MeV]
(A_Os:1383)
192Os76 + 10 D* --> 200Hg80 + 12C6 + 124.981 MeV [-39.239 MeV]
(A_Os:1384)

192Os76 + 11 D* --> 193Ir77 + 21Ne10 + 148.878 MeV [-33.318 MeV]
(A_Os:1385)

192Os76 + 11 D* --> 195Pt78 + 19F9 + 142.897 MeV [-39.299 MeV]
(A_Os:1386)
192Os76 + 11 D* --> 197Au79 + 17O8 + 140.562 MeV [-41.634 MeV]
(A_Os:1387)
192Os76 + 11 D* --> 199Hg80 + 15N7 + 138.058 MeV [-44.138 MeV]
(A_Os:1388)
192Os76 + 11 D* --> 200Hg80 + 14N7 + 135.253 MeV [-46.943 MeV]
(A_Os:1389)
192Os76 + 11 D* --> 204Pb82 + 10B5 + 121.671 MeV [-60.525 MeV]
(A_Os:1390)

192Os76 + 12 D* --> 130Te52 + 86Kr36 + 292.365 MeV [91.917 MeV]
(A_Os:1391)
192Os76 + 12 D* --> 134Xe54 + 82Se34 + 287.467 MeV [87.019 MeV]
(A_Os:1392)
192Os76 + 12 D* --> 136Xe54 + 80Se34 + 285.933 MeV [85.485 MeV]
(A_Os:1393)
192Os76 + 12 D* --> 168Er68 + 48Ca20 + 228.959 MeV [28.511 MeV]
(A_Os:1394)
192Os76 + 12 D* --> 170Er68 + 46Ca20 + 224.998 MeV [24.550 MeV]
(A_Os:1395)
192Os76 + 12 D* --> 176Yb70 + 40Ar18 + 210.282 MeV [9.834 MeV]
(A_Os:1396)
192Os76 + 12 D* --> 180Hf72 + 36S16 + 202.201 MeV [1.753 MeV]
(A_Os:1397)
192Os76 + 12 D* --> 186W74 + 30Si14 + 188.691 MeV [-11.757 MeV]
(A_Os:1398)
192Os76 + 12 D* --> 190Os76 + 26Mg12 + 176.669 MeV [-23.779 MeV]
(A_Os:1399)
192Os76 + 12 D* --> 192Os76 + 24Mg12 + 171.562 MeV [-28.886 MeV]
(A_Os:1400)
192Os76 + 12 D* --> 193Ir77 + 23Na11 + 165.812 MeV [-34.636 MeV]
(A_Os:1401)
192Os76 + 12 D* --> 194Pt78 + 22Ne10 + 164.536 MeV [-35.912 MeV]
(A_Os:1402)
192Os76 + 12 D* --> 195Pt78 + 21Ne10 + 160.277 MeV [-40.171 MeV]
(A_Os:1403)
192Os76 + 12 D* --> 196Pt78 + 20Ne10 + 161.438 MeV [-39.010 MeV]
(A_Os:1404)
192Os76 + 12 D* --> 197Au79 + 19F9 + 154.377 MeV [-46.071 MeV]
(A_Os:1405)
192Os76 + 12 D* --> 198Hg80 + 18O8 + 153.484 MeV [-46.964 MeV]
(A_Os:1406)
192Os76 + 12 D* --> 199Hg80 + 17O8 + 152.104 MeV [-48.344 MeV]
(A_Os:1407)
192Os76 + 12 D* --> 200Hg80 + 16O8 + 155.989 MeV [-44.459 MeV]
(A_Os:1408)
192Os76 + 12 D* --> 204Pb82 + 12C6 + 146.858 MeV [-53.590 MeV]
(A_Os:1409)

---------- Equations follow for Iridium, Ir, element 77 ----------

191Ir77 + D* --> 176Yb70 + 17O8 + 30.732 MeV [15.383 MeV] (A_Ir:1)
191Ir77 + D* --> 180Hf72 + 13C6 + 23.093 MeV [7.743 MeV] (A_Ir:2)

191Ir77 + D* --> 184W74 + 9Be4 + 10.789 MeV [-4.560 MeV] (A_Ir:3)
191Ir77 + D* --> 187Re75 + 6Li3 + 3.558 MeV [-11.791 MeV] (A_Ir:4)
191Ir77 + D* --> 189Os76 + 4He2 + 12.990 MeV [-2.360 MeV] (A_Ir:5)
191Ir77 + D* --> 190Os76 + 3He2 + 00.204 MeV [-15.145 MeV] (A_Ir:6)

191Ir77 + 2 D* --> 176Yb70 + 19F9 + 44.547 MeV [13.556 MeV] (A_Ir:7)
191Ir77 + 2 D* --> 180Hf72 + 15N7 + 39.252 MeV [8.261 MeV] (A_Ir:8)
191Ir77 + 2 D* --> 184W74 + 11B5 + 26.604 MeV [-4.386 MeV] (A_Ir:9)
191Ir77 + 2 D* --> 188Os76 + 7Li3 + 15.793 MeV [-15.197 MeV] (A_Ir:10)
191Ir77 + 2 D* --> 189Os76 + 6Li3 + 14.464 MeV [-16.527 MeV] (A_Ir:11)
191Ir77 + 2 D* --> 191Ir77 + 4He2 + 23.847 MeV [-7.144 MeV] (A_Ir:12)
191Ir77 + 2 D* --> 194Pt78 + 1H1 + 17.039 MeV [-13.952 MeV] (A_Ir:13)

191Ir77 + 3 D* --> 176Yb70 + 21Ne10 + 61.927 MeV [15.004 MeV] (A_Ir:14)
191Ir77 + 3 D* --> 179Hf72 + 18O8 + 53.954 MeV [7.032 MeV] (A_Ir:15)
191Ir77 + 3 D* --> 180Hf72 + 17O8 + 53.298 MeV [6.376 MeV] (A_Ir:16)
191Ir77 + 3 D* --> 184W74 + 13C6 + 45.283 MeV [-1.639 MeV] (A_Ir:17)
191Ir77 + 3 D* --> 187Re75 + 10B5 + 31.866 MeV [-15.057 MeV] (A_Ir:18)
191Ir77 + 3 D* --> 188Os76 + 9Be4 + 32.490 MeV [-14.433 MeV] (A_Ir:19)
191Ir77 + 3 D* --> 191Ir77 + 6Li3 + 25.320 MeV [-21.602 MeV] (A_Ir:20)
191Ir77 + 3 D* --> 194Pt78 + 3He2 + 22.533 MeV [-24.390 MeV] (A_Ir:21)

191Ir77 + 4 D* --> 176Yb70 + 23Na11 + 78.860 MeV [15.718 MeV] (A_Ir:22)
191Ir77 + 4 D* --> 180Hf72 + 19F9 + 67.112 MeV [3.970 MeV] (A_Ir:23)
191Ir77 + 4 D* --> 181Ta73 + 18O8 + 65.060 MeV [1.918 MeV] (A_Ir:24)
191Ir77 + 4 D* --> 184W74 + 15N7 + 61.442 MeV [-1.700 MeV] (A_Ir:25)
191Ir77 + 4 D* --> 187Re75 + 12C6 + 57.052 MeV [-6.090 MeV] (A_Ir:26)
191Ir77 + 4 D* --> 188Os76 + 11B5 + 48.305 MeV [-14.837 MeV] (A_Ir:27)
191Ir77 + 4 D* --> 189Os76 + 10B5 + 42.771 MeV [-20.371 MeV] (A_Ir:28)
191Ir77 + 4 D* --> 192Pt78 + 7Li3 + 37.221 MeV [-25.921 MeV] (A_Ir:29)
191Ir77 + 4 D* --> 198Hg80 + 1H1 + 39.502 MeV [-23.640 MeV] (A_Ir:30)

191Ir77 + 5 D* --> 176Yb70 + 25Mg12 + 95.659 MeV [16.011 MeV] (A_Ir:31)
191Ir77 + 5 D* --> 179Hf72 + 22Ne10 + 87.469 MeV [7.821 MeV] (A_Ir:32)
191Ir77 + 5 D* --> 180Hf72 + 21Ne10 + 84.492 MeV [4.844 MeV] (A_Ir:33)
191Ir77 + 5 D* --> 183W74 + 18O8 + 76.121 MeV [-3.527 MeV] (A_Ir:34)
191Ir77 + 5 D* --> 184W74 + 17O8 + 75.488 MeV [-4.160 MeV] (A_Ir:35)
191Ir77 + 5 D* --> 187Re75 + 14N7 + 67.324 MeV [-12.324 MeV] (A_Ir:36)
191Ir77 + 5 D* --> 188Os76 + 13C6 + 66.984 MeV [-12.664 MeV] (A_Ir:37)
191Ir77 + 5 D* --> 189Os76 + 12C6 + 67.958 MeV [-11.691 MeV] (A_Ir:38)
191Ir77 + 5 D* --> 191Ir77 + 10B5 + 53.628 MeV [-26.020 MeV] (A_Ir:39)
191Ir77 + 5 D* --> 192Pt78 + 9Be4 + 53.917 MeV [-25.731 MeV] (A_Ir:40)
191Ir77 + 5 D* --> 198Hg80 + 3He2 + 44.995 MeV [-34.653 MeV] (A_Ir:41)

191Ir77 + 6 D* --> 176Yb70 + 27Al13 + 112.799 MeV [16.360 MeV] (A_Ir:42)
191Ir77 + 6 D* --> 180Hf72 + 23Na11 + 101.426 MeV [4.987 MeV] (A_Ir:43)
191Ir77 + 6 D* --> 181Ta73 + 22Ne10 + 98.574 MeV [2.135 MeV] (A_Ir:44)
191Ir77 + 6 D* --> 184W74 + 19F9 + 89.303 MeV [-7.136 MeV] (A_Ir:45)
191Ir77 + 6 D* --> 185Re75 + 18O8 + 86.712 MeV [-9.727 MeV] (A_Ir:46)
191Ir77 + 6 D* --> 187Re75 + 16O8 + 88.061 MeV [-8.378 MeV] (A_Ir:47)
191Ir77 + 6 D* --> 188Os76 + 15N7 + 83.143 MeV [-13.296 MeV] (A_Ir:48)
191Ir77 + 6 D* --> 189Os76 + 14N7 + 78.230 MeV [-18.209 MeV] (A_Ir:49)
191Ir77 + 6 D* --> 191Ir77 + 12C6 + 78.814 MeV [-17.625 MeV] (A_Ir:50)
191Ir77 + 6 D* --> 192Pt78 + 11B5 + 69.733 MeV [-26.706 MeV] (A_Ir:51)

191Ir77 + 6 D* --> 196Hg80 + 7Li3 + 59.026 MeV [-37.412 MeV] (A_Ir:52)

191Ir77 + 7 D* --> 157Gd64 + 48Ca20 + 170.288 MeV [56.776 MeV] (A_Ir:53)
191Ir77 + 7 D* --> 176Yb70 + 29Si14 + 130.633 MeV [17.120 MeV] (A_Ir:54)
191Ir77 + 7 D* --> 179Hf72 + 26Mg12 + 121.930 MeV [8.418 MeV] (A_Ir:55)
191Ir77 + 7 D* --> 180Hf72 + 25Mg12 + 118.225 MeV [4.712 MeV] (A_Ir:56)
191Ir77 + 7 D* --> 183W74 + 22Ne10 + 109.635 MeV [-3.877 MeV] (A_Ir:57)
191Ir77 + 7 D* --> 184W74 + 21Ne10 + 106.683 MeV [-6.830 MeV] (A_Ir:58)
191Ir77 + 7 D* --> 187Os76 + 18O8 + 97.243 MeV [-16.269 MeV] (A_Ir:59)
191Ir77 + 7 D* --> 188Os76 + 17O8 + 97.189 MeV [-16.324 MeV] (A_Ir:60)
191Ir77 + 7 D* --> 189Os76 + 16O8 + 98.966 MeV [-14.547 MeV] (A_Ir:61)
191Ir77 + 7 D* --> 191Ir77 + 14N7 + 89.087 MeV [-24.426 MeV] (A_Ir:62)
191Ir77 + 7 D* --> 192Pt78 + 13C6 + 88.411 MeV [-25.101 MeV] (A_Ir:63)
191Ir77 + 7 D* --> 196Hg80 + 9Be4 + 75.723 MeV [-37.790 MeV] (A_Ir:64)

191Ir77 + 8 D* --> 136Xe54 + 71Ga31 + 224.945 MeV [94.077 MeV] (A_Ir:65)
191Ir77 + 8 D* --> 159Tb65 + 48Ca20 + 182.133 MeV [51.265 MeV] (A_Ir:66)
191Ir77 + 8 D* --> 170Er68 + 37Cl17 + 160.256 MeV [29.388 MeV] (A_Ir:67)
191Ir77 + 8 D* --> 176Yb70 + 31P15 + 146.314 MeV [15.447 MeV] (A_Ir:68)
191Ir77 + 8 D* --> 180Hf72 + 27Al13 + 135.364 MeV [4.497 MeV] (A_Ir:69)
191Ir77 + 8 D* --> 181Ta73 + 26Mg12 + 133.036 MeV [2.168 MeV] (A_Ir:70)
191Ir77 + 8 D* --> 184W74 + 23Na11 + 123.617 MeV [-7.251 MeV] (A_Ir:71)
191Ir77 + 8 D* --> 185Re75 + 22Ne10 + 120.226 MeV [-10.641 MeV] (A_Ir:72)
191Ir77 + 8 D* --> 187Re75 + 20Ne10 + 116.637 MeV [-14.230 MeV] (A_Ir:73)
191Ir77 + 8 D* --> 188Os76 + 19F9 + 111.003 MeV [-19.864 MeV] (A_Ir:74)
191Ir77 + 8 D* --> 191Ir77 + 16O8 + 109.823 MeV [-21.045 MeV] (A_Ir:75)
191Ir77 + 8 D* --> 192Pt78 + 15N7 + 104.571 MeV [-26.297 MeV] (A_Ir:76)
191Ir77 + 8 D* --> 196Hg80 + 11B5 + 91.538 MeV [-39.329 MeV] (A_Ir:77)

191Ir77 + 9 D* --> 136Xe54 + 73Ge32 + 239.238 MeV [90.736 MeV] (A_Ir:78)
191Ir77 + 9 D* --> 160Gd64 + 49Ti22 + 198.023 MeV [49.521 MeV] (A_Ir:79)
191Ir77 + 9 D* --> 161Dy66 + 48Ca20 + 193.790 MeV [45.289 MeV] (A_Ir:80)
191Ir77 + 9 D* --> 163Dy66 + 46Ca20 + 191.037 MeV [42.535 MeV] (A_Ir:81)
191Ir77 + 9 D* --> 173Yb70 + 36S16 + 169.735 MeV [21.234 MeV] (A_Ir:82)
191Ir77 + 9 D* --> 176Yb70 + 33S16 + 161.595 MeV [13.093 MeV] (A_Ir:83)
191Ir77 + 9 D* --> 179Hf72 + 30Si14 + 156.420 MeV [7.918 MeV] (A_Ir:84)
191Ir77 + 9 D* --> 180Hf72 + 29Si14 + 153.199 MeV [4.697 MeV] (A_Ir:85)
191Ir77 + 9 D* --> 183W74 + 26Mg12 + 144.097 MeV [-4.405 MeV] (A_Ir:86)
191Ir77 + 9 D* --> 184W74 + 25Mg12 + 140.415 MeV [-8.087 MeV] (A_Ir:87)
191Ir77 + 9 D* --> 187Os76 + 22Ne10 + 130.758 MeV [-17.744 MeV] (A_Ir:88)
191Ir77 + 9 D* --> 188Os76 + 21Ne10 + 128.383 MeV [-20.119 MeV] (A_Ir:89)
191Ir77 + 9 D* --> 189Os76 + 20Ne10 + 127.542 MeV [-20.959 MeV] (A_Ir:90)
191Ir77 + 9 D* --> 192Pt78 + 17O8 + 118.617 MeV [-29.885 MeV] (A_Ir:91)
191Ir77 + 9 D* --> 196Hg80 + 13C6 + 110.217 MeV [-38.285 MeV] (A_Ir:92)

191Ir77 + 10 D* --> 124Sn50 + 87Rb37 + 267.485 MeV [101.071 MeV] (A_Ir:93)
191Ir77 + 10 D* --> 130Te52 + 81Br35 + 259.977 MeV [93.563 MeV] (A_Ir:94)
191Ir77 + 10 D* --> 136Xe54 + 75As33 + 254.108 MeV [87.694 MeV] (A_Ir:95)
191Ir77 + 10 D* --> 160Gd64 + 51V23 + 214.801 MeV [48.387 MeV] (A_Ir:96)
191Ir77 + 10 D* --> 165Ho67 + 46Ca20 + 202.690 MeV [36.276 MeV] (A_Ir:97)
191Ir77 + 10 D* --> 170Er68 + 41K19 + 190.324 MeV [23.910 MeV] (A_Ir:98)
191Ir77 + 10 D* --> 174Yb70 + 37Cl17 + 183.362 MeV [16.948 MeV] (A_Ir:99)
191Ir77 + 10 D* --> 176Yb70 + 35Cl17 + 177.158 MeV [10.744 MeV] (A_Ir:100)
191Ir77 + 10 D* --> 175Lu71 + 36S16 + 180.486 MeV [14.071 MeV] (A_Ir:101)

191Ir77 + 10 D* --> 180Hf72 + 31P15 + 168.880 MeV [2.466 MeV] (A_Ir:102)
191Ir77 + 10 D* --> 181Ta73 + 30Si14 + 167.525 MeV [1.111 MeV] (A_Ir:103)
191Ir77 + 10 D* --> 184W74 + 27Al13 + 157.555 MeV [-8.859 MeV] (A_Ir:104)
191Ir77 + 10 D* --> 185Re75 + 26Mg12 + 154.688 MeV [-11.727 MeV] (A_Ir:105)
191Ir77 + 10 D* --> 187Re75 + 24Mg12 + 149.800 MeV [-16.614 MeV] (A_Ir:106)
191Ir77 + 10 D* --> 188Os76 + 23Na11 + 145.317 MeV [-21.097 MeV] (A_Ir:107)
191Ir77 + 10 D* --> 191Ir77 + 20Ne10 + 138.399 MeV [-28.015 MeV] (A_Ir:108)
191Ir77 + 10 D* --> 192Pt78 + 19F9 + 132.431 MeV [-33.983 MeV] (A_Ir:109)
191Ir77 + 10 D* --> 196Hg80 + 15N7 + 126.376 MeV [-40.038 MeV] (A_Ir:110)

191Ir77 + 11 D* --> 130Te52 + 83Kr36 + 275.120 MeV [90.517 MeV] (A_Ir:111)
191Ir77 + 11 D* --> 131Xe54 + 82Se34 + 273.796 MeV [89.193 MeV] (A_Ir:112)
191Ir77 + 11 D* --> 136Xe54 + 77Se34 + 268.811 MeV [84.209 MeV] (A_Ir:113)
191Ir77 + 11 D* --> 137Ba56 + 76Ge32 + 268.721 MeV [84.118 MeV] (A_Ir:114)
191Ir77 + 11 D* --> 160Gd64 + 53Cr24 + 231.020 MeV [46.417 MeV] (A_Ir:115)
191Ir77 + 11 D* --> 163Dy66 + 50Ti22 + 225.600 MeV [40.997 MeV] (A_Ir:116)
191Ir77 + 11 D* --> 164Dy66 + 49Ti22 + 222.319 MeV [37.716 MeV] (A_Ir:117)
191Ir77 + 11 D* --> 167Er68 + 46Ca20 + 214.218 MeV [29.616 MeV] (A_Ir:118)
191Ir77 + 11 D* --> 170Er68 + 43Ca20 + 206.310 MeV [21.707 MeV] (A_Ir:119)
191Ir77 + 11 D* --> 173Yb70 + 40Ar18 + 200.383 MeV [15.780 MeV] (A_Ir:120)
191Ir77 + 11 D* --> 176Lu71 + 37Cl17 + 192.935 MeV [8.333 MeV] (A_Ir:121)
191Ir77 + 11 D* --> 177Hf72 + 36S16 + 191.340 MeV [6.738 MeV] (A_Ir:122)
191Ir77 + 11 D* --> 179Hf72 + 34S16 + 188.190 MeV [3.588 MeV] (A_Ir:123)
191Ir77 + 11 D* --> 180Hf72 + 33S16 + 184.161 MeV [-0.442 MeV] (A_Ir:124)
191Ir77 + 11 D* --> 183W74 + 30Si14 + 178.586 MeV [-6.016 MeV] (A_Ir:125)
191Ir77 + 11 D* --> 184W74 + 29Si14 + 175.389 MeV [-9.214 MeV] (A_Ir:126)
191Ir77 + 11 D* --> 187Os76 + 26Mg12 + 165.219 MeV [-19.383 MeV] (A_Ir:127)
191Ir77 + 11 D* --> 188Os76 + 25Mg12 + 162.116 MeV [-22.487 MeV] (A_Ir:128)
191Ir77 + 11 D* --> 189Os76 + 24Mg12 + 160.705 MeV [-23.897 MeV] (A_Ir:129)
191Ir77 + 11 D* --> 192Pt78 + 21Ne10 + 149.811 MeV [-34.791 MeV] (A_Ir:130)
191Ir77 + 11 D* --> 196Hg80 + 17O8 + 140.422 MeV [-44.181 MeV] (A_Ir:131)

191Ir77 + 12 D* --> 128Te52 + 87Rb37 + 294.512 MeV [91.446 MeV] (A_Ir:132)
191Ir77 + 12 D* --> 130Te52 + 85Rb37 + 290.441 MeV [87.375 MeV] (A_Ir:133)
191Ir77 + 12 D* --> 134Xe54 + 81Br35 + 287.022 MeV [83.956 MeV] (A_Ir:134)
191Ir77 + 12 D* --> 136Xe54 + 79Br35 + 283.416 MeV [80.350 MeV] (A_Ir:135)
191Ir77 + 12 D* --> 133Cs55 + 82Se34 + 286.587 MeV [83.521 MeV] (A_Ir:136)
191Ir77 + 12 D* --> 139La57 + 76Ge32 + 281.367 MeV [78.301 MeV] (A_Ir:137)
191Ir77 + 12 D* --> 150Nd60 + 65Cu29 + 261.876 MeV [58.810 MeV] (A_Ir:138)
191Ir77 + 12 D* --> 160Gd64 + 55Mn25 + 246.581 MeV [43.516 MeV] (A_Ir:139)
191Ir77 + 12 D* --> 164Dy66 + 51V23 + 239.097 MeV [36.031 MeV] (A_Ir:140)
191Ir77 + 12 D* --> 165Ho67 + 50Ti22 + 237.254 MeV [34.188 MeV] (A_Ir:141)
191Ir77 + 12 D* --> 170Er68 + 45Sc21 + 222.105 MeV [19.039 MeV] (A_Ir:142)
191Ir77 + 12 D* --> 169Tm69 + 46Ca20 + 225.337 MeV [22.271 MeV] (A_Ir:143)
191Ir77 + 12 D* --> 174Yb70 + 41K19 + 213.431 MeV [10.365 MeV] (A_Ir:144)
191Ir77 + 12 D* --> 176Yb70 + 39K19 + 208.223 MeV [5.158 MeV] (A_Ir:145)
191Ir77 + 12 D* --> 175Lu71 + 40Ar18 + 211.133 MeV [8.067 MeV] (A_Ir:146)
191Ir77 + 12 D* --> 178Hf72 + 37Cl17 + 205.128 MeV [2.062 MeV] (A_Ir:147)
191Ir77 + 12 D* --> 180Hf72 + 35Cl17 + 199.724 MeV [-3.342 MeV] (A_Ir:148)
191Ir77 + 12 D* --> 181Ta73 + 34S16 + 199.296 MeV [-3.770 MeV] (A_Ir:149)
191Ir77 + 12 D* --> 184W74 + 31P15 + 191.070 MeV [-11.995 MeV] (A_Ir:150)
191Ir77 + 12 D* --> 185Re75 + 30Si14 + 189.177 MeV [-13.889 MeV] (A_Ir:151)
191Ir77 + 12 D* --> 187Re75 + 28Si14 + 183.631 MeV [-19.435 MeV] (A_Ir:152)
191Ir77 + 12 D* --> 188Os76 + 27Al13 + 179.255 MeV [-23.811 MeV] (A_Ir:153)

191Ir77 + 12 D* --> 191Ir77 + 24Mg12 + 171.562 MeV [-31.504 MeV] (A_Ir:154)
191Ir77 + 12 D* --> 192Pt78 + 23Na11 + 166.745 MeV [-36.321 MeV] (A_Ir:155)
191Ir77 + 12 D* --> 196Hg80 + 19F9 + 154.236 MeV [-48.830 MeV] (A_Ir:156)

193Ir77 + D* --> 186W74 + 9Be4 + 9.764 MeV [-5.533 MeV] (A_Ir:157)
193Ir77 + D* --> 195Pt78 + 11.399 MeV [-3.898 MeV] (A_Ir:158)

193Ir77 + 2 D* --> 186W74 + 11B5 + 25.579 MeV [-5.306 MeV] (A_Ir:159)
193Ir77 + 2 D* --> 190Os76 + 7Li3 + 15.536 MeV [-15.350 MeV] (A_Ir:160)
193Ir77 + 2 D* --> 193Ir77 + 4He2 + 23.847 MeV [-7.039 MeV] (A_Ir:161)
193Ir77 + 2 D* --> 195Pt78 + 2H1 + 11.399 MeV [-19.487 MeV] (A_Ir:162)
193Ir77 + 2 D* --> 196Pt78 + 1H1 + 17.096 MeV [-13.789 MeV] (A_Ir:163)
193Ir77 + 2 D* --> 197Au79 + 22.879 MeV [-8.007 MeV] (A_Ir:164)

193Ir77 + 3 D* --> 186W74 + 13C6 + 44.258 MeV [-2.507 MeV] (A_Ir:165)
193Ir77 + 3 D* --> 190Os76 + 9Be4 + 32.232 MeV [-14.532 MeV] (A_Ir:166)
193Ir77 + 3 D* --> 193Ir77 + 6Li3 + 25.320 MeV [-21.444 MeV] (A_Ir:167)
193Ir77 + 3 D* --> 195Pt78 + 4He2 + 35.245 MeV [-11.519 MeV] (A_Ir:168)
193Ir77 + 3 D* --> 196Pt78 + 3He2 + 22.590 MeV [-24.175 MeV] (A_Ir:169)
193Ir77 + 3 D* --> 197Au79 + 2H1 + 22.879 MeV [-23.886 MeV] (A_Ir:170)
193Ir77 + 3 D* --> 199Hg80 + 34.420 MeV [-12.344 MeV] (A_Ir:171)

193Ir77 + 4 D* --> 186W74 + 15N7 + 60.417 MeV [-2.515 MeV] (A_Ir:172)
193Ir77 + 4 D* --> 190Os76 + 11B5 + 48.047 MeV [-14.884 MeV] (A_Ir:173)
193Ir77 + 4 D* --> 194Pt78 + 7Li3 + 37.864 MeV [-25.068 MeV] (A_Ir:174)
193Ir77 + 4 D* --> 195Pt78 + 6Li3 + 36.719 MeV [-26.213 MeV] (A_Ir:175)
193Ir77 + 4 D* --> 197Au79 + 4He2 + 46.725 MeV [-16.207 MeV] (A_Ir:176)
193Ir77 + 4 D* --> 199Hg80 + 2H1 + 34.420 MeV [-28.511 MeV] (A_Ir:177)
193Ir77 + 4 D* --> 200Hg80 + 1H1 + 40.224 MeV [-22.708 MeV] (A_Ir:178)

193Ir77 + 5 D* --> 186W74 + 17O8 + 74.463 MeV [-4.923 MeV] (A_Ir:179)
193Ir77 + 5 D* --> 190Os76 + 13C6 + 66.726 MeV [-12.660 MeV] (A_Ir:180)
193Ir77 + 5 D* --> 193Ir77 + 10B5 + 53.628 MeV [-25.758 MeV] (A_Ir:181)
193Ir77 + 5 D* --> 194Pt78 + 9Be4 + 54.560 MeV [-24.825 MeV] (A_Ir:182)
193Ir77 + 5 D* --> 197Au79 + 6Li3 + 48.199 MeV [-31.187 MeV] (A_Ir:183)
193Ir77 + 5 D* --> 199Hg80 + 4He2 + 58.267 MeV [-21.119 MeV] (A_Ir:184)
193Ir77 + 5 D* --> 200Hg80 + 3He2 + 45.718 MeV [-33.668 MeV] (A_Ir:185)

193Ir77 + 6 D* --> 186W74 + 19F9 + 88.277 MeV [-7.847 MeV] (A_Ir:186)
193Ir77 + 6 D* --> 187Re75 + 18O8 + 86.278 MeV [-9.846 MeV] (A_Ir:187)
193Ir77 + 6 D* --> 190Os76 + 15N7 + 82.885 MeV [-13.239 MeV] (A_Ir:188)
193Ir77 + 6 D* --> 193Ir77 + 12C6 + 78.814 MeV [-17.310 MeV] (A_Ir:189)
193Ir77 + 6 D* --> 194Pt78 + 11B5 + 70.376 MeV [-25.749 MeV] (A_Ir:190)
193Ir77 + 6 D* --> 195Pt78 + 10B5 + 65.027 MeV [-31.098 MeV] (A_Ir:191)
193Ir77 + 6 D* --> 198Hg80 + 7Li3 + 60.327 MeV [-35.797 MeV] (A_Ir:192)
193Ir77 + 6 D* --> 199Hg80 + 6Li3 + 59.741 MeV [-36.383 MeV] (A_Ir:193)
193Ir77 + 6 D* --> 204Pb82 + 1H1 + 62.101 MeV [-34.023 MeV] (A_Ir:194)

193Ir77 + 7 D* --> 186W74 + 21Ne10 + 105.658 MeV [-7.488 MeV] (A_Ir:195)
193Ir77 + 7 D* --> 189Os76 + 18O8 + 97.183 MeV [-15.963 MeV] (A_Ir:196)
193Ir77 + 7 D* --> 190Os76 + 17O8 + 96.931 MeV [-16.214 MeV] (A_Ir:197)
193Ir77 + 7 D* --> 193Ir77 + 14N7 + 89.087 MeV [-24.059 MeV] (A_Ir:198)
193Ir77 + 7 D* --> 194Pt78 + 13C6 + 89.054 MeV [-24.091 MeV] (A_Ir:199)
193Ir77 + 7 D* --> 195Pt78 + 12C6 + 90.213 MeV [-22.933 MeV] (A_Ir:200)

193Ir77 + 7 D* --> 197Au79 + 10B5 + 76.507 MeV [-36.639 MeV] (A_Ir:201)
193Ir77 + 7 D* --> 198Hg80 + 9Be4 + 77.023 MeV [-36.123 MeV] (A_Ir:202)
193Ir77 + 7 D* --> 204Pb82 + 3He2 + 67.595 MeV [-45.551 MeV] (A_Ir:203)

193Ir77 + 8 D* --> 186W74 + 23Na11 + 122.591 MeV [-7.857 MeV] (A_Ir:204)
193Ir77 + 8 D* --> 187Re75 + 22Ne10 + 119.792 MeV [-10.656 MeV] (A_Ir:205)
193Ir77 + 8 D* --> 190Os76 + 19F9 + 110.746 MeV [-19.703 MeV] (A_Ir:206)
193Ir77 + 8 D* --> 191Ir77 + 18O8 + 108.040 MeV [-22.409 MeV] (A_Ir:207)
193Ir77 + 8 D* --> 193Ir77 + 16O8 + 109.823 MeV [-20.626 MeV] (A_Ir:208)
193Ir77 + 8 D* --> 194Pt78 + 15N7 + 105.214 MeV [-25.235 MeV] (A_Ir:209)
193Ir77 + 8 D* --> 195Pt78 + 14N7 + 100.485 MeV [-29.963 MeV] (A_Ir:210)
193Ir77 + 8 D* --> 197Au79 + 12C6 + 101.693 MeV [-28.756 MeV] (A_Ir:211)
193Ir77 + 8 D* --> 198Hg80 + 11B5 + 92.838 MeV [-37.610 MeV] (A_Ir:212)
193Ir77 + 8 D* --> 199Hg80 + 10B5 + 88.048 MeV [-42.400 MeV] (A_Ir:213)

193Ir77 + 9 D* --> 163Dy66 + 48Ca20 + 194.288 MeV [46.257 MeV] (A_Ir:214)
193Ir77 + 9 D* --> 186W74 + 25Mg12 + 139.390 MeV [-8.641 MeV] (A_Ir:215)
193Ir77 + 9 D* --> 189Os76 + 22Ne10 + 130.698 MeV [-17.333 MeV] (A_Ir:216)
193Ir77 + 9 D* --> 190Os76 + 21Ne10 + 128.126 MeV [-19.905 MeV] (A_Ir:217)
193Ir77 + 9 D* --> 194Pt78 + 17O8 + 119.260 MeV [-28.772 MeV] (A_Ir:218)
193Ir77 + 9 D* --> 195Pt78 + 16O8 + 121.222 MeV [-26.810 MeV] (A_Ir:219)
193Ir77 + 9 D* --> 197Au79 + 14N7 + 111.965 MeV [-36.066 MeV] (A_Ir:220)
193Ir77 + 9 D* --> 198Hg80 + 13C6 + 111.517 MeV [-36.514 MeV] (A_Ir:221)
193Ir77 + 9 D* --> 199Hg80 + 12C6 + 113.235 MeV [-34.796 MeV] (A_Ir:222)

193Ir77 + 10 D* --> 165Ho67 + 48Ca20 + 205.942 MeV [40.051 MeV] (A_Ir:223)
193Ir77 + 10 D* --> 176Yb70 + 37Cl17 + 182.079 MeV [16.187 MeV] (A_Ir:224)
193Ir77 + 10 D* --> 186W74 + 27Al13 + 156.530 MeV [-9.362 MeV] (A_Ir:225)
193Ir77 + 10 D* --> 187Re75 + 26Mg12 + 154.254 MeV [-11.638 MeV] (A_Ir:226)
193Ir77 + 10 D* --> 190Os76 + 23Na11 + 145.060 MeV [-20.832 MeV] (A_Ir:227)
193Ir77 + 10 D* --> 191Ir77 + 22Ne10 + 141.555 MeV [-24.337 MeV] (A_Ir:228)
193Ir77 + 10 D* --> 193Ir77 + 20Ne10 + 138.399 MeV [-27.492 MeV] (A_Ir:229)
193Ir77 + 10 D* --> 194Pt78 + 19F9 + 133.074 MeV [-32.818 MeV] (A_Ir:230)
193Ir77 + 10 D* --> 197Au79 + 16O8 + 132.702 MeV [-33.190 MeV] (A_Ir:231)
193Ir77 + 10 D* --> 198Hg80 + 15N7 + 127.676 MeV [-38.215 MeV] (A_Ir:232)
193Ir77 + 10 D* --> 199Hg80 + 14N7 + 123.507 MeV [-42.385 MeV] (A_Ir:233)

193Ir77 + 11 D* --> 167Er68 + 48Ca20 + 217.470 MeV [33.442 MeV] (A_Ir:234)
193Ir77 + 11 D* --> 179Hf72 + 36S16 + 191.095 MeV [7.067 MeV] (A_Ir:235)
193Ir77 + 11 D* --> 186W74 + 29Si14 + 174.364 MeV [-9.665 MeV] (A_Ir:236)
193Ir77 + 11 D* --> 189Os76 + 26Mg12 + 165.159 MeV [-18.869 MeV] (A_Ir:237)
193Ir77 + 11 D* --> 190Os76 + 25Mg12 + 161.858 MeV [-22.170 MeV] (A_Ir:238)
193Ir77 + 11 D* --> 194Pt78 + 21Ne10 + 150.454 MeV [-33.574 MeV] (A_Ir:239)
193Ir77 + 11 D* --> 195Pt78 + 20Ne10 + 149.798 MeV [-34.231 MeV] (A_Ir:240)
193Ir77 + 11 D* --> 198Hg80 + 17O8 + 141.722 MeV [-42.306 MeV] (A_Ir:241)
193Ir77 + 11 D* --> 199Hg80 + 16O8 + 144.243 MeV [-39.785 MeV] (A_Ir:242)

193Ir77 + 12 D* --> 130Te52 + 87Rb37 + 295.044 MeV [92.604 MeV] (A_Ir:243)
193Ir77 + 12 D* --> 136Xe54 + 81Br35 + 287.495 MeV [85.055 MeV] (A_Ir:244)
193Ir77 + 12 D* --> 169Tm69 + 48Ca20 + 228.589 MeV [26.149 MeV] (A_Ir:245)
193Ir77 + 12 D* --> 176Yb70 + 41K19 + 212.148 MeV [9.708 MeV] (A_Ir:246)
193Ir77 + 12 D* --> 180Hf72 + 37Cl17 + 204.645 MeV [2.205 MeV] (A_Ir:247)
193Ir77 + 12 D* --> 181Ta73 + 36S16 + 202.201 MeV [-0.240 MeV] (A_Ir:248)
193Ir77 + 12 D* --> 186W74 + 31P15 + 190.045 MeV [-12.395 MeV] (A_Ir:249)

193Ir77 + 12 D* --> 187Re75 + 30Si14 + 188.743 MeV [-13.697 MeV] (A_Ir:250)
193Ir77 + 12 D* --> 190Os76 + 27Al13 + 178.998 MeV [-23.442 MeV] (A_Ir:251)
193Ir77 + 12 D* --> 191Ir77 + 26Mg12 + 176.016 MeV [-26.424 MeV] (A_Ir:252)
193Ir77 + 12 D* --> 193Ir77 + 24Mg12 + 171.562 MeV [-30.878 MeV] (A_Ir:253)
193Ir77 + 12 D* --> 194Pt78 + 23Na11 + 167.388 MeV [-35.052 MeV] (A_Ir:254)
193Ir77 + 12 D* --> 197Au79 + 20Ne10 + 161.278 MeV [-41.162 MeV] (A_Ir:255)
193Ir77 + 12 D* --> 198Hg80 + 19F9 + 155.537 MeV [-46.903 MeV] (A_Ir:256)

---------- Equations follow for Platinum, Pt, element 78 ----------

190Pt78 + D* --> 173Yb70 + 19F9 + 34.856 MeV [19.280 MeV] (A_Pt:1)
190Pt78 + D* --> 175Lu71 + 17O8 + 31.792 MeV [16.216 MeV] (A_Pt:2)
190Pt78 + D* --> 176Lu71 + 16O8 + 33.937 MeV [18.361 MeV] (A_Pt:3)
190Pt78 + D* --> 177Hf72 + 15N7 + 28.600 MeV [13.025 MeV] (A_Pt:4)
190Pt78 + D* --> 178Hf72 + 14N7 + 25.393 MeV [9.817 MeV] (A_Pt:5)
190Pt78 + D* --> 180Ta73 + 12C6 + 24.748 MeV [9.173 MeV] (A_Pt:6)
190Pt78 + D* --> 182W74 + 10B5 + 12.009 MeV [-3.567 MeV] (A_Pt:7)
190Pt78 + D* --> 186Os76 + 6Li3 + 4.725 MeV [-10.851 MeV] (A_Pt:8)

190Pt78 + 2 D* --> 124Sn50 + 70Zn30 + 146.749 MeV [115.308 MeV] (A_Pt:9)
190Pt78 + 2 D* --> 130Te52 + 64Ni28 + 143.399 MeV [111.957 MeV] (A_Pt:10)
190Pt78 + 2 D* --> 136Xe54 + 58Fe26 + 137.527 MeV [106.085 MeV] (A_Pt:11)
190Pt78 + 2 D* --> 146Nd60 + 48Ca20 + 114.093 MeV [82.651 MeV] (A_Pt:12)
190Pt78 + 2 D* --> 148Nd60 + 46Ca20 + 109.497 MeV [78.055 MeV] (A_Pt:13)
190Pt78 + 2 D* --> 150Nd60 + 44Ca20 + 104.106 MeV [72.664 MeV] (A_Pt:14)
190Pt78 + 2 D* --> 154Sm62 + 40Ar18 + 96.450 MeV [65.008 MeV] (A_Pt:15)
190Pt78 + 2 D* --> 158Gd64 + 36S16 + 90.309 MeV [58.867 MeV] (A_Pt:16)
190Pt78 + 2 D* --> 160Gd64 + 34S16 + 86.828 MeV [55.387 MeV] (A_Pt:17)
190Pt78 + 2 D* --> 164Dy66 + 30Si14 + 79.354 MeV [47.912 MeV] (A_Pt:18)
190Pt78 + 2 D* --> 168Er68 + 26Mg12 + 68.159 MeV [36.717 MeV] (A_Pt:19)
190Pt78 + 2 D* --> 170Er68 + 24Mg12 + 62.996 MeV [31.554 MeV] (A_Pt:20)
190Pt78 + 2 D* --> 172Yb70 + 22Ne10 + 56.233 MeV [24.791 MeV] (A_Pt:21)
190Pt78 + 2 D* --> 173Yb70 + 21Ne10 + 52.236 MeV [20.794 MeV] (A_Pt:22)
190Pt78 + 2 D* --> 174Yb70 + 20Ne10 + 52.940 MeV [21.498 MeV] (A_Pt:23)
190Pt78 + 2 D* --> 175Lu71 + 19F9 + 45.606 MeV [14.164 MeV] (A_Pt:24)
190Pt78 + 2 D* --> 176Hf72 + 18O8 + 44.307 MeV [12.865 MeV] (A_Pt:25)
190Pt78 + 2 D* --> 177Hf72 + 17O8 + 42.646 MeV [11.205 MeV] (A_Pt:26)
190Pt78 + 2 D* --> 178Hf72 + 16O8 + 46.129 MeV [14.687 MeV] (A_Pt:27)
190Pt78 + 2 D* --> 180Ta73 + 14N7 + 35.021 MeV [3.579 MeV] (A_Pt:28)
190Pt78 + 2 D* --> 182W74 + 12C6 + 37.196 MeV [5.754 MeV] (A_Pt:29)
190Pt78 + 2 D* --> 190Pt78 + 4He2 + 23.847 MeV [-7.595 MeV] (A_Pt:30)

190Pt78 + 3 D* --> 173Yb70 + 23Na11 + 69.170 MeV [21.573 MeV] (A_Pt:31)
190Pt78 + 3 D* --> 175Lu71 + 21Ne10 + 62.986 MeV [15.389 MeV] (A_Pt:32)
190Pt78 + 3 D* --> 176Lu71 + 20Ne10 + 62.513 MeV [14.916 MeV] (A_Pt:33)
190Pt78 + 3 D* --> 177Hf72 + 19F9 + 56.461 MeV [8.864 MeV] (A_Pt:34)
190Pt78 + 3 D* --> 180Ta73 + 16O8 + 55.757 MeV [8.160 MeV] (A_Pt:35)
190Pt78 + 3 D* --> 182W74 + 14N7 + 47.468 MeV [-0.129 MeV] (A_Pt:36)
190Pt78 + 3 D* --> 186Os76 + 10B5 + 33.032 MeV [-14.564 MeV] (A_Pt:37)
190Pt78 + 3 D* --> 190Pt78 + 6Li3 + 25.320 MeV [-22.276 MeV] (A_Pt:38)

190Pt78 + 4 D* --> 116Cd48 + 82Se34 + 181.533 MeV [117.494 MeV] (A_Pt:39)
190Pt78 + 4 D* --> 122Sn50 + 76Ge32 + 178.378 MeV [114.340 MeV] (A_Pt:40)
190Pt78 + 4 D* --> 124Sn50 + 74Ge32 + 176.879 MeV [112.840 MeV] (A_Pt:41)

190Pt78 + 4 D* --> 128Te52 + 70Zn30 + 173.776 MeV [109.738 MeV] (A_Pt:42)
190Pt78 + 4 D* --> 130Te52 + 68Zn30 + 172.578 MeV [108.539 MeV] (A_Pt:43)
190Pt78 + 4 D* --> 134Xe54 + 64Ni28 + 170.443 MeV [106.405 MeV] (A_Pt:44)
190Pt78 + 4 D* --> 136Xe54 + 62Ni28 + 168.391 MeV [104.352 MeV] (A_Pt:45)
190Pt78 + 4 D* --> 148Nd60 + 50Ti22 + 144.060 MeV [80.021 MeV] (A_Pt:46)
190Pt78 + 4 D* --> 150Nd60 + 48Ti22 + 137.397 MeV [73.358 MeV] (A_Pt:47)
190Pt78 + 4 D* --> 150Sm62 + 48Ca20 + 136.491 MeV [72.452 MeV] (A_Pt:48)
190Pt78 + 4 D* --> 152Sm62 + 46Ca20 + 133.123 MeV [69.085 MeV] (A_Pt:49)
190Pt78 + 4 D* --> 154Sm62 + 44Ca20 + 129.150 MeV [65.111 MeV] (A_Pt:50)
190Pt78 + 4 D* --> 158Gd64 + 40Ar18 + 120.956 MeV [56.917 MeV] (A_Pt:51)
190Pt78 + 4 D* --> 160Gd64 + 38Ar18 + 117.883 MeV [53.844 MeV] (A_Pt:52)
190Pt78 + 4 D* --> 162Dy66 + 36S16 + 114.070 MeV [50.032 MeV] (A_Pt:53)
190Pt78 + 4 D* --> 164Dy66 + 34S16 + 111.125 MeV [47.086 MeV] (A_Pt:54)
190Pt78 + 4 D* --> 168Er68 + 30Si14 + 102.649 MeV [38.610 MeV] (A_Pt:55)
190Pt78 + 4 D* --> 170Er68 + 28Si14 + 96.827 MeV [32.788 MeV] (A_Pt:56)
190Pt78 + 4 D* --> 172Yb70 + 26Mg12 + 90.694 MeV [26.656 MeV] (A_Pt:57)
190Pt78 + 4 D* --> 173Yb70 + 25Mg12 + 85.969 MeV [21.930 MeV] (A_Pt:58)
190Pt78 + 4 D* --> 174Yb70 + 24Mg12 + 86.103 MeV [22.064 MeV] (A_Pt:59)
190Pt78 + 4 D* --> 175Lu71 + 23Na11 + 79.920 MeV [15.881 MeV] (A_Pt:60)
190Pt78 + 4 D* --> 176Hf72 + 22Ne10 + 77.822 MeV [13.783 MeV] (A_Pt:61)
190Pt78 + 4 D* --> 177Hf72 + 21Ne10 + 73.841 MeV [9.802 MeV] (A_Pt:62)
190Pt78 + 4 D* --> 178Hf72 + 20Ne10 + 74.706 MeV [10.667 MeV] (A_Pt:63)
190Pt78 + 4 D* --> 180W74 + 18O8 + 65.645 MeV [1.607 MeV] (A_Pt:64)
190Pt78 + 4 D* --> 182W74 + 16O8 + 68.204 MeV [4.165 MeV] (A_Pt:65)
190Pt78 + 4 D* --> 186Os76 + 12C6 + 58.219 MeV [-5.820 MeV] (A_Pt:66)

190Pt78 + 5 D* --> 150Nd60 + 50V23 + 151.266 MeV [70.501 MeV] (A_Pt:67)
190Pt78 + 5 D* --> 160Gd64 + 40K19 + 129.839 MeV [49.073 MeV] (A_Pt:68)
190Pt78 + 5 D* --> 163Dy66 + 37Cl17 + 126.503 MeV [45.738 MeV] (A_Pt:69)
190Pt78 + 5 D* --> 173Yb70 + 27Al13 + 103.108 MeV [22.343 MeV] (A_Pt:70)
190Pt78 + 5 D* --> 175Lu71 + 25Mg12 + 96.719 MeV [15.953 MeV] (A_Pt:71)
190Pt78 + 5 D* --> 176Lu71 + 24Mg12 + 95.676 MeV [14.911 MeV] (A_Pt:72)
190Pt78 + 5 D* --> 177Hf72 + 23Na11 + 90.775 MeV [10.009 MeV] (A_Pt:73)
190Pt78 + 5 D* --> 180Ta73 + 20Ne10 + 84.333 MeV [3.568 MeV] (A_Pt:74)
190Pt78 + 5 D* --> 186Os76 + 14N7 + 68.491 MeV [-12.274 MeV] (A_Pt:75)
190Pt78 + 5 D* --> 190Pt78 + 10B5 + 53.628 MeV [-27.138 MeV] (A_Pt:76)

190Pt78 + 6 D* --> 116Cd48 + 86Kr36 + 213.476 MeV [115.700 MeV] (A_Pt:77)
190Pt78 + 6 D* --> 120Sn50 + 82Se34 + 210.190 MeV [112.414 MeV] (A_Pt:78)
190Pt78 + 6 D* --> 122Sn50 + 80Se34 + 209.197 MeV [111.421 MeV] (A_Pt:79)
190Pt78 + 6 D* --> 124Sn50 + 78Se34 + 206.754 MeV [108.978 MeV] (A_Pt:80)
190Pt78 + 6 D* --> 126Te52 + 76Ge32 + 204.769 MeV [106.993 MeV] (A_Pt:81)
190Pt78 + 6 D* --> 128Te52 + 74Ge32 + 203.905 MeV [106.130 MeV] (A_Pt:82)
190Pt78 + 6 D* --> 130Te52 + 72Ge32 + 201.428 MeV [103.652 MeV] (A_Pt:83)
190Pt78 + 6 D* --> 132Xe54 + 70Zn30 + 200.336 MeV [102.560 MeV] (A_Pt:84)
190Pt78 + 6 D* --> 134Xe54 + 68Zn30 + 199.623 MeV [101.847 MeV] (A_Pt:85)
190Pt78 + 6 D* --> 136Xe54 + 66Zn30 + 196.815 MeV [99.040 MeV] (A_Pt:86)
190Pt78 + 6 D* --> 138Ba56 + 64Ni28 + 196.852 MeV [99.076 MeV] (A_Pt:87)
190Pt78 + 6 D* --> 148Nd60 + 54Cr24 + 175.837 MeV [78.061 MeV] (A_Pt:88)
190Pt78 + 6 D* --> 150Nd60 + 52Cr24 + 170.598 MeV [72.822 MeV] (A_Pt:89)
190Pt78 + 6 D* --> 152Sm62 + 50Ti22 + 167.686 MeV [69.911 MeV] (A_Pt:90)
190Pt78 + 6 D* --> 154Sm62 + 48Ti22 + 162.440 MeV [64.664 MeV] (A_Pt:91)
190Pt78 + 6 D* --> 154Gd64 + 48Ca20 + 159.418 MeV [61.642 MeV] (A_Pt:92)
190Pt78 + 6 D* --> 156Gd64 + 46Ca20 + 157.168 MeV [59.392 MeV] (A_Pt:93)

190Pt78 + 6 D* --> 158Gd64 + 44Ca20 + 153.656 MeV [55.880 MeV] (A_Pt:94)
190Pt78 + 6 D* --> 160Gd64 + 42Ca20 + 147.987 MeV [50.211 MeV] (A_Pt:95)
190Pt78 + 6 D* --> 162Dy66 + 40Ar18 + 144.718 MeV [46.942 MeV] (A_Pt:96)
190Pt78 + 6 D* --> 164Dy66 + 38Ar18 + 142.179 MeV [44.403 MeV] (A_Pt:97)
190Pt78 + 6 D* --> 165Ho67 + 37Cl17 + 138.157 MeV [40.381 MeV] (A_Pt:98)
190Pt78 + 6 D* --> 166Er68 + 36S16 + 137.087 MeV [39.311 MeV] (A_Pt:99)
190Pt78 + 6 D* --> 168Er68 + 34S16 + 134.419 MeV [36.644 MeV] (A_Pt:100)
190Pt78 + 6 D* --> 170Er68 + 32S16 + 127.621 MeV [29.845 MeV] (A_Pt:101)
190Pt78 + 6 D* --> 172Yb70 + 30Si14 + 125.184 MeV [27.408 MeV] (A_Pt:102)
190Pt78 + 6 D* --> 173Yb70 + 29Si14 + 120.942 MeV [23.166 MeV] (A_Pt:103)
190Pt78 + 6 D* --> 174Yb70 + 28Si14 + 119.933 MeV [22.158 MeV] (A_Pt:104)
190Pt78 + 6 D* --> 175Lu71 + 27Al13 + 113.858 MeV [16.082 MeV] (A_Pt:105)
190Pt78 + 6 D* --> 176Hf72 + 26Mg12 + 112.283 MeV [14.507 MeV] (A_Pt:106)
190Pt78 + 6 D* --> 177Hf72 + 25Mg12 + 107.573 MeV [9.798 MeV] (A_Pt:107)
190Pt78 + 6 D* --> 178Hf72 + 24Mg12 + 107.869 MeV [10.093 MeV] (A_Pt:108)
190Pt78 + 6 D* --> 180W74 + 22Ne10 + 99.160 MeV [1.384 MeV] (A_Pt:109)
190Pt78 + 6 D* --> 182W74 + 20Ne10 + 96.780 MeV [-0.995 MeV] (A_Pt:110)
190Pt78 + 6 D* --> 184Os76 + 18O8 + 86.529 MeV [-11.247 MeV] (A_Pt:111)
190Pt78 + 6 D* --> 186Os76 + 16O8 + 89.227 MeV [-8.548 MeV] (A_Pt:112)
190Pt78 + 6 D* --> 190Pt78 + 12C6 + 78.814 MeV [-18.961 MeV] (A_Pt:113)

190Pt78 + 7 D* --> 154Sm62 + 50V23 + 176.310 MeV [61.242 MeV] (A_Pt:114)
190Pt78 + 7 D* --> 163Dy66 + 41K19 + 156.572 MeV [41.505 MeV] (A_Pt:115)
190Pt78 + 7 D* --> 164Dy66 + 40K19 + 154.135 MeV [39.068 MeV] (A_Pt:116)
190Pt78 + 7 D* --> 167Er68 + 37Cl17 + 149.685 MeV [34.617 MeV] (A_Pt:117)
190Pt78 + 7 D* --> 173Yb70 + 31P15 + 136.624 MeV [21.556 MeV] (A_Pt:118)
190Pt78 + 7 D* --> 175Lu71 + 29Si14 + 131.692 MeV [16.625 MeV] (A_Pt:119)
190Pt78 + 7 D* --> 176Lu71 + 28Si14 + 129.507 MeV [14.439 MeV] (A_Pt:120)
190Pt78 + 7 D* --> 177Hf72 + 27Al13 + 124.713 MeV [9.645 MeV] (A_Pt:121)
190Pt78 + 7 D* --> 180Ta73 + 24Mg12 + 117.496 MeV [2.429 MeV] (A_Pt:122)
190Pt78 + 7 D* --> 190Pt78 + 14N7 + 89.087 MeV [-25.981 MeV] (A_Pt:123)

190Pt78 + 8 D* --> 110Pd46 + 96Zr40 + 241.554 MeV [108.915 MeV] (A_Pt:124)
190Pt78 + 8 D* --> 120Sn50 + 86Kr36 + 242.133 MeV [109.494 MeV] (A_Pt:125)
190Pt78 + 8 D* --> 122Sn50 + 84Kr36 + 240.139 MeV [107.500 MeV] (A_Pt:126)
190Pt78 + 8 D* --> 124Sn50 + 82Kr36 + 236.589 MeV [103.949 MeV] (A_Pt:127)
190Pt78 + 8 D* --> 124Te52 + 82Se34 + 235.881 MeV [103.242 MeV] (A_Pt:128)
190Pt78 + 8 D* --> 126Te52 + 80Se34 + 235.587 MeV [102.948 MeV] (A_Pt:129)
190Pt78 + 8 D* --> 128Te52 + 78Se34 + 233.781 MeV [101.141 MeV] (A_Pt:130)
190Pt78 + 8 D* --> 130Te52 + 76Se34 + 230.366 MeV [97.726 MeV] (A_Pt:131)
190Pt78 + 8 D* --> 130Xe54 + 76Ge32 + 230.857 MeV [98.218 MeV] (A_Pt:132)
190Pt78 + 8 D* --> 132Xe54 + 74Ge32 + 230.465 MeV [97.826 MeV] (A_Pt:133)
190Pt78 + 8 D* --> 134Xe54 + 72Ge32 + 228.473 MeV [95.833 MeV] (A_Pt:134)
190Pt78 + 8 D* --> 136Xe54 + 70Ge32 + 224.751 MeV [92.111 MeV] (A_Pt:135)
190Pt78 + 8 D* --> 136Ba56 + 70Zn30 + 226.214 MeV [93.575 MeV] (A_Pt:136)
190Pt78 + 8 D* --> 138Ba56 + 68Zn30 + 226.031 MeV [93.392 MeV] (A_Pt:137)
190Pt78 + 8 D* --> 142Ce58 + 64Ni28 + 219.400 MeV [86.761 MeV] (A_Pt:138)
190Pt78 + 8 D* --> 148Nd60 + 58Fe26 + 207.329 MeV [74.690 MeV] (A_Pt:139)
190Pt78 + 8 D* --> 150Nd60 + 56Fe26 + 202.057 MeV [69.418 MeV] (A_Pt:140)
190Pt78 + 8 D* --> 152Sm62 + 54Cr24 + 199.464 MeV [66.824 MeV] (A_Pt:141)
190Pt78 + 8 D* --> 154Sm62 + 52Cr24 + 195.641 MeV [63.002 MeV] (A_Pt:142)
190Pt78 + 8 D* --> 156Gd64 + 50Ti22 + 191.731 MeV [59.092 MeV] (A_Pt:143)
190Pt78 + 8 D* --> 157Gd64 + 49Ti22 + 187.152 MeV [54.513 MeV] (A_Pt:144)
190Pt78 + 8 D* --> 158Gd64 + 48Ti22 + 186.947 MeV [54.308 MeV] (A_Pt:145)

190Pt78 + 8 D* --> 160Gd64 + 46Ti22 + 179.834 MeV [47.195 MeV] (A_Pt:146)
190Pt78 + 8 D* --> 158Dy66 + 48Ca20 + 182.389 MeV [49.749 MeV] (A_Pt:147)
190Pt78 + 8 D* --> 160Dy66 + 46Ca20 + 180.575 MeV [47.936 MeV] (A_Pt:148)
190Pt78 + 8 D* --> 162Dy66 + 44Ca20 + 177.418 MeV [44.778 MeV] (A_Pt:149)
190Pt78 + 8 D* --> 163Dy66 + 43Ca20 + 172.557 MeV [39.918 MeV] (A_Pt:150)
190Pt78 + 8 D* --> 164Dy66 + 42Ca20 + 172.283 MeV [39.643 MeV] (A_Pt:151)
190Pt78 + 8 D* --> 165Ho67 + 41K19 + 168.226 MeV [35.587 MeV] (A_Pt:152)
190Pt78 + 8 D* --> 166Er68 + 40Ar18 + 167.734 MeV [35.095 MeV] (A_Pt:153)
190Pt78 + 8 D* --> 168Er68 + 38Ar18 + 165.474 MeV [32.834 MeV] (A_Pt:154)
190Pt78 + 8 D* --> 170Er68 + 36Ar18 + 158.108 MeV [25.469 MeV] (A_Pt:155)
190Pt78 + 8 D* --> 169Tm69 + 37Cl17 + 160.804 MeV [28.165 MeV] (A_Pt:156)
190Pt78 + 8 D* --> 170Yb70 + 36S16 + 159.195 MeV [26.556 MeV] (A_Pt:157)
190Pt78 + 8 D* --> 172Yb70 + 34S16 + 156.954 MeV [24.315 MeV] (A_Pt:158)
190Pt78 + 8 D* --> 173Yb70 + 33S16 + 151.905 MeV [19.265 MeV] (A_Pt:159)
190Pt78 + 8 D* --> 174Yb70 + 32S16 + 150.728 MeV [18.088 MeV] (A_Pt:160)
190Pt78 + 8 D* --> 175Lu71 + 31P15 + 147.374 MeV [14.735 MeV] (A_Pt:161)
190Pt78 + 8 D* --> 176Hf72 + 30Si14 + 146.773 MeV [14.133 MeV] (A_Pt:162)
190Pt78 + 8 D* --> 177Hf72 + 29Si14 + 142.547 MeV [9.908 MeV] (A_Pt:163)
190Pt78 + 8 D* --> 178Hf72 + 28Si14 + 141.699 MeV [9.060 MeV] (A_Pt:164)
190Pt78 + 8 D* --> 180W74 + 26Mg12 + 133.621 MeV [00.982 MeV] (A_Pt:165)
190Pt78 + 8 D* --> 182W74 + 24Mg12 + 129.943 MeV [-2.696 MeV] (A_Pt:166)
190Pt78 + 8 D* --> 184Os76 + 22Ne10 + 120.043 MeV [-12.596 MeV] (A_Pt:167)
190Pt78 + 8 D* --> 186Os76 + 20Ne10 + 117.804 MeV [-14.836 MeV] (A_Pt:168)
190Pt78 + 8 D* --> 190Pt78 + 16O8 + 109.823 MeV [-22.817 MeV] (A_Pt:169)

190Pt78 + 9 D* --> 137Ba56 + 71Ga31 + 238.760 MeV [88.270 MeV] (A_Pt:170)
190Pt78 + 9 D* --> 138La57 + 70Zn30 + 236.987 MeV [86.498 MeV] (A_Pt:171)
190Pt78 + 9 D* --> 157Gd64 + 51V23 + 203.930 MeV [53.441 MeV] (A_Pt:172)
190Pt78 + 9 D* --> 158Gd64 + 50V23 + 200.816 MeV [50.327 MeV] (A_Pt:173)
190Pt78 + 9 D* --> 159Tb65 + 49Ti22 + 198.996 MeV [48.507 MeV] (A_Pt:174)
190Pt78 + 9 D* --> 163Dy66 + 45Sc21 + 188.352 MeV [37.863 MeV] (A_Pt:175)
190Pt78 + 9 D* --> 165Ho67 + 43Ca20 + 184.211 MeV [33.722 MeV] (A_Pt:176)
190Pt78 + 9 D* --> 167Er68 + 41K19 + 179.754 MeV [29.265 MeV] (A_Pt:177)
190Pt78 + 9 D* --> 168Er68 + 40K19 + 177.430 MeV [26.941 MeV] (A_Pt:178)
190Pt78 + 9 D* --> 171Yb70 + 37Cl17 + 171.972 MeV [21.482 MeV] (A_Pt:179)
190Pt78 + 9 D* --> 173Yb70 + 35Cl17 + 167.468 MeV [16.979 MeV] (A_Pt:180)
190Pt78 + 9 D* --> 175Lu71 + 33S16 + 162.655 MeV [12.165 MeV] (A_Pt:181)
190Pt78 + 9 D* --> 176Lu71 + 32S16 + 160.301 MeV [9.812 MeV] (A_Pt:182)
190Pt78 + 9 D* --> 177Hf72 + 31P15 + 158.229 MeV [7.739 MeV] (A_Pt:183)
190Pt78 + 9 D* --> 180Ta73 + 28Si14 + 151.327 MeV [00.838 MeV] (A_Pt:184)

190Pt78 + 10 D* --> 110Pd46 + 100Mo42 + 268.567 MeV [99.951 MeV] (A_Pt:185)
190Pt78 + 10 D* --> 114Cd48 + 96Zr40 + 269.498 MeV [100.882 MeV] (A_Pt:186)
190Pt78 + 10 D* --> 116Cd48 + 94Zr40 + 270.020 MeV [101.404 MeV] (A_Pt:187)
190Pt78 + 10 D* --> 122Sn50 + 88Sr38 + 271.901 MeV [103.286 MeV] (A_Pt:188)
190Pt78 + 10 D* --> 124Sn50 + 86Sr38 + 266.794 MeV [98.178 MeV] (A_Pt:189)
190Pt78 + 10 D* --> 123Sb51 + 87Rb37 + 267.856 MeV [99.240 MeV] (A_Pt:190)
190Pt78 + 10 D* --> 124Te52 + 86Kr36 + 267.824 MeV [99.208 MeV] (A_Pt:191)
190Pt78 + 10 D* --> 126Te52 + 84Kr36 + 266.529 MeV [97.913 MeV] (A_Pt:192)
190Pt78 + 10 D* --> 128Te52 + 82Kr36 + 263.615 MeV [94.999 MeV] (A_Pt:193)
190Pt78 + 10 D* --> 130Te52 + 80Kr36 + 259.278 MeV [90.662 MeV] (A_Pt:194)
190Pt78 + 10 D* --> 128Xe54 + 82Se34 + 261.488 MeV [92.872 MeV] (A_Pt:195)
190Pt78 + 10 D* --> 130Xe54 + 80Se34 + 261.675 MeV [93.060 MeV] (A_Pt:196)
190Pt78 + 10 D* --> 132Xe54 + 78Se34 + 260.340 MeV [91.724 MeV] (A_Pt:197)

190Pt78 + 10 D* --> 134Xe54 + 76Se34 + 257.410 MeV [88.794 MeV] (A_Pt:198)
190Pt78 + 10 D* --> 136Xe54 + 74Se34 + 252.672 MeV [84.056 MeV] (A_Pt:199)
190Pt78 + 10 D* --> 134Ba56 + 76Ge32 + 256.197 MeV [87.581 MeV] (A_Pt:200)
190Pt78 + 10 D* --> 136Ba56 + 74Ge32 + 256.343 MeV [87.727 MeV] (A_Pt:201)
190Pt78 + 10 D* --> 137Ba56 + 73Ge32 + 253.053 MeV [84.437 MeV] (A_Pt:202)
190Pt78 + 10 D* --> 138Ba56 + 72Ge32 + 254.881 MeV [86.265 MeV] (A_Pt:203)
190Pt78 + 10 D* --> 139La57 + 71Ga31 + 251.405 MeV [82.789 MeV] (A_Pt:204)
190Pt78 + 10 D* --> 140Ce58 + 70Zn30 + 251.682 MeV [83.066 MeV] (A_Pt:205)
190Pt78 + 10 D* --> 142Ce58 + 68Zn30 + 248.579 MeV [79.964 MeV] (A_Pt:206)
190Pt78 + 10 D* --> 146Nd60 + 64Ni28 + 242.064 MeV [73.448 MeV] (A_Pt:207)
190Pt78 + 10 D* --> 148Nd60 + 62Ni28 + 238.193 MeV [69.577 MeV] (A_Pt:208)
190Pt78 + 10 D* --> 150Nd60 + 60Ni28 + 232.196 MeV [63.580 MeV] (A_Pt:209)
190Pt78 + 10 D* --> 152Sm62 + 58Fe26 + 230.956 MeV [62.340 MeV] (A_Pt:210)
190Pt78 + 10 D* --> 154Sm62 + 56Fe26 + 227.101 MeV [58.485 MeV] (A_Pt:211)
190Pt78 + 10 D* --> 156Gd64 + 54Cr24 + 223.509 MeV [54.893 MeV] (A_Pt:212)
190Pt78 + 10 D* --> 157Gd64 + 53Cr24 + 220.149 MeV [51.533 MeV] (A_Pt:213)
190Pt78 + 10 D* --> 158Gd64 + 52Cr24 + 220.147 MeV [51.532 MeV] (A_Pt:214)
190Pt78 + 10 D* --> 160Gd64 + 50Cr24 + 212.242 MeV [43.626 MeV] (A_Pt:215)
190Pt78 + 10 D* --> 159Tb65 + 51V23 + 215.774 MeV [47.158 MeV] (A_Pt:216)
190Pt78 + 10 D* --> 160Dy66 + 50Ti22 + 215.139 MeV [46.523 MeV] (A_Pt:217)
190Pt78 + 10 D* --> 161Dy66 + 49Ti22 + 210.654 MeV [42.038 MeV] (A_Pt:218)
190Pt78 + 10 D* --> 162Dy66 + 48Ti22 + 210.708 MeV [42.092 MeV] (A_Pt:219)
190Pt78 + 10 D* --> 163Dy66 + 47Ti22 + 205.353 MeV [36.737 MeV] (A_Pt:220)
190Pt78 + 10 D* --> 164Dy66 + 46Ti22 + 204.131 MeV [35.515 MeV] (A_Pt:221)
190Pt78 + 10 D* --> 165Ho67 + 45Sc21 + 200.006 MeV [31.390 MeV] (A_Pt:222)
190Pt78 + 10 D* --> 162Er68 + 48Ca20 + 204.591 MeV [35.975 MeV] (A_Pt:223)
190Pt78 + 10 D* --> 164Er68 + 46Ca20 + 203.118 MeV [34.502 MeV] (A_Pt:224)
190Pt78 + 10 D* --> 166Er68 + 44Ca20 + 200.434 MeV [31.818 MeV] (A_Pt:225)
190Pt78 + 10 D* --> 167Er68 + 43Ca20 + 195.739 MeV [27.123 MeV] (A_Pt:226)
190Pt78 + 10 D* --> 168Er68 + 42Ca20 + 195.578 MeV [26.962 MeV] (A_Pt:227)
190Pt78 + 10 D* --> 170Er68 + 40Ca20 + 188.995 MeV [20.379 MeV] (A_Pt:228)
190Pt78 + 10 D* --> 169Tm69 + 41K19 + 190.873 MeV [22.257 MeV] (A_Pt:229)
190Pt78 + 10 D* --> 170Yb70 + 40Ar18 + 189.843 MeV [21.227 MeV] (A_Pt:230)
190Pt78 + 10 D* --> 172Yb70 + 38Ar18 + 188.009 MeV [19.393 MeV] (A_Pt:231)
190Pt78 + 10 D* --> 174Yb70 + 36Ar18 + 181.215 MeV [12.599 MeV] (A_Pt:232)
190Pt78 + 10 D* --> 175Lu71 + 35Cl17 + 178.218 MeV [9.602 MeV] (A_Pt:233)
190Pt78 + 10 D* --> 174Hf72 + 36S16 + 180.544 MeV [11.929 MeV] (A_Pt:234)
190Pt78 + 10 D* --> 176Hf72 + 34S16 + 178.543 MeV [9.927 MeV] (A_Pt:235)
190Pt78 + 10 D* --> 177Hf72 + 33S16 + 173.509 MeV [4.893 MeV] (A_Pt:236)
190Pt78 + 10 D* --> 178Hf72 + 32S16 + 172.494 MeV [3.878 MeV] (A_Pt:237)
190Pt78 + 10 D* --> 180W74 + 30Si14 + 168.111 MeV [-0.505 MeV] (A_Pt:238)
190Pt78 + 10 D* --> 182W74 + 28Si14 + 163.774 MeV [-4.842 MeV] (A_Pt:239)
190Pt78 + 10 D* --> 184Os76 + 26Mg12 + 154.505 MeV [-14.111 MeV] (A_Pt:240)
190Pt78 + 10 D* --> 186Os76 + 24Mg12 + 150.967 MeV [-17.649 MeV] (A_Pt:241)
190Pt78 + 10 D* --> 190Pt78 + 20Ne10 + 138.399 MeV [-30.217 MeV] (A_Pt:242)

190Pt78 + 11 D* --> 125Te52 + 87Rb37 + 280.790 MeV [93.772 MeV] (A_Pt:243)
190Pt78 + 11 D* --> 131Xe54 + 81Br35 + 273.560 MeV [86.542 MeV] (A_Pt:244)
190Pt78 + 11 D* --> 137Ba56 + 75As33 + 267.923 MeV [80.906 MeV] (A_Pt:245)
190Pt78 + 11 D* --> 138La57 + 74Ge32 + 267.117 MeV [80.099 MeV] (A_Pt:246)
190Pt78 + 11 D* --> 139La57 + 73Ge32 + 265.698 MeV [78.681 MeV] (A_Pt:247)
190Pt78 + 11 D* --> 157Gd64 + 55Mn25 + 235.711 MeV [48.693 MeV] (A_Pt:248)
190Pt78 + 11 D* --> 159Tb65 + 53Cr24 + 231.993 MeV [44.976 MeV] (A_Pt:249)
190Pt78 + 11 D* --> 161Dy66 + 51V23 + 227.432 MeV [40.414 MeV] (A_Pt:250)

190Pt78 + 11 D* --> 162Dy66 + 50V23 + 224.578 MeV [37.560 MeV] (A_Pt:251)
190Pt78 + 11 D* --> 165Ho67 + 47Ti22 + 217.006 MeV [29.989 MeV] (A_Pt:252)
190Pt78 + 11 D* --> 167Er68 + 45Sc21 + 211.534 MeV [24.516 MeV] (A_Pt:253)
190Pt78 + 11 D* --> 169Tm69 + 43Ca20 + 206.858 MeV [19.840 MeV] (A_Pt:254)
190Pt78 + 11 D* --> 171Yb70 + 41K19 + 202.041 MeV [15.023 MeV] (A_Pt:255)
190Pt78 + 11 D* --> 172Yb70 + 40K19 + 199.965 MeV [12.947 MeV] (A_Pt:256)
190Pt78 + 11 D* --> 173Yb70 + 39K19 + 198.533 MeV [11.515 MeV] (A_Pt:257)
190Pt78 + 11 D* --> 176Lu71 + 36Ar18 + 190.788 MeV [3.771 MeV] (A_Pt:258)
190Pt78 + 11 D* --> 177Hf72 + 35Cl17 + 189.073 MeV [2.055 MeV] (A_Pt:259)
190Pt78 + 11 D* --> 180Ta73 + 32S16 + 182.121 MeV [-4.896 MeV] (A_Pt:260)

190Pt78 + 12 D* --> 110Pd46 + 104Ru44 + 296.743 MeV [91.050 MeV] (A_Pt:261)
190Pt78 + 12 D* --> 114Cd48 + 100Mo42 + 296.510 MeV [90.818 MeV] (A_Pt:262)
190Pt78 + 12 D* --> 116Cd48 + 98Mo42 + 297.136 MeV [91.444 MeV] (A_Pt:263)
190Pt78 + 12 D* --> 118Sn50 + 96Zr40 + 297.404 MeV [91.711 MeV] (A_Pt:264)
190Pt78 + 12 D* --> 120Sn50 + 94Zr40 + 298.677 MeV [92.984 MeV] (A_Pt:265)
190Pt78 + 12 D* --> 122Sn50 + 92Zr40 + 298.705 MeV [93.012 MeV] (A_Pt:266)
190Pt78 + 12 D* --> 124Sn50 + 90Zr40 + 297.309 MeV [91.616 MeV] (A_Pt:267)
190Pt78 + 12 D* --> 126Te52 + 88Sr38 + 298.292 MeV [92.599 MeV] (A_Pt:268)
190Pt78 + 12 D* --> 128Te52 + 86Sr38 + 293.821 MeV [88.128 MeV] (A_Pt:269)
190Pt78 + 12 D* --> 130Te52 + 84Sr38 + 288.300 MeV [82.608 MeV] (A_Pt:270)
190Pt78 + 12 D* --> 127I53 + 87Rb37 + 293.886 MeV [88.193 MeV] (A_Pt:271)
190Pt78 + 12 D* --> 128Xe54 + 86Kr36 + 293.431 MeV [87.738 MeV] (A_Pt:272)
190Pt78 + 12 D* --> 130Xe54 + 84Kr36 + 292.618 MeV [86.925 MeV] (A_Pt:273)
190Pt78 + 12 D* --> 131Xe54 + 83Kr36 + 288.702 MeV [83.009 MeV] (A_Pt:274)
190Pt78 + 12 D* --> 132Xe54 + 82Kr36 + 290.175 MeV [84.482 MeV] (A_Pt:275)
190Pt78 + 12 D* --> 134Xe54 + 80Kr36 + 286.322 MeV [80.629 MeV] (A_Pt:276)
190Pt78 + 12 D* --> 136Xe54 + 78Kr36 + 280.910 MeV [75.217 MeV] (A_Pt:277)
190Pt78 + 12 D* --> 133Cs55 + 81Br35 + 286.351 MeV [80.658 MeV] (A_Pt:278)
190Pt78 + 12 D* --> 132Ba56 + 82Se34 + 286.334 MeV [80.641 MeV] (A_Pt:279)
190Pt78 + 12 D* --> 134Ba56 + 80Se34 + 287.015 MeV [81.322 MeV] (A_Pt:280)
190Pt78 + 12 D* --> 136Ba56 + 78Se34 + 286.218 MeV [80.525 MeV] (A_Pt:281)
190Pt78 + 12 D* --> 137Ba56 + 77Se34 + 282.626 MeV [76.933 MeV] (A_Pt:282)
190Pt78 + 12 D* --> 138Ba56 + 76Se34 + 283.819 MeV [78.126 MeV] (A_Pt:283)
190Pt78 + 12 D* --> 139La57 + 75As33 + 280.569 MeV [74.876 MeV] (A_Pt:284)
190Pt78 + 12 D* --> 138Ce58 + 76Ge32 + 281.087 MeV [75.394 MeV] (A_Pt:285)
190Pt78 + 12 D* --> 140Ce58 + 74Ge32 + 281.811 MeV [76.118 MeV] (A_Pt:286)
190Pt78 + 12 D* --> 142Ce58 + 72Ge32 + 277.430 MeV [71.737 MeV] (A_Pt:287)
190Pt78 + 12 D* --> 144Nd60 + 70Zn30 + 273.623 MeV [67.930 MeV] (A_Pt:288)
190Pt78 + 12 D* --> 146Nd60 + 68Zn30 + 271.244 MeV [65.551 MeV] (A_Pt:289)
190Pt78 + 12 D* --> 148Nd60 + 66Zn30 + 266.618 MeV [60.925 MeV] (A_Pt:290)
190Pt78 + 12 D* --> 150Nd60 + 64Zn30 + 259.999 MeV [54.306 MeV] (A_Pt:291)
190Pt78 + 12 D* --> 150Sm62 + 64Ni28 + 264.462 MeV [58.769 MeV] (A_Pt:292)
190Pt78 + 12 D* --> 152Sm62 + 62Ni28 + 261.820 MeV [56.127 MeV] (A_Pt:293)
190Pt78 + 12 D* --> 154Sm62 + 60Ni28 + 257.239 MeV [51.546 MeV] (A_Pt:294)
190Pt78 + 12 D* --> 156Gd64 + 58Fe26 + 255.001 MeV [49.308 MeV] (A_Pt:295)
190Pt78 + 12 D* --> 157Gd64 + 57Fe26 + 251.316 MeV [45.623 MeV] (A_Pt:296)
190Pt78 + 12 D* --> 158Gd64 + 56Fe26 + 251.607 MeV [45.915 MeV] (A_Pt:297)
190Pt78 + 12 D* --> 160Gd64 + 54Fe26 + 244.506 MeV [38.813 MeV] (A_Pt:298)
190Pt78 + 12 D* --> 159Tb65 + 55Mn25 + 247.555 MeV [41.862 MeV] (A_Pt:299)
190Pt78 + 12 D* --> 160Dy66 + 54Cr24 + 246.916 MeV [41.223 MeV] (A_Pt:300)
190Pt78 + 12 D* --> 161Dy66 + 53Cr24 + 243.651 MeV [37.958 MeV] (A_Pt:301)
190Pt78 + 12 D* --> 162Dy66 + 52Cr24 + 243.909 MeV [38.216 MeV] (A_Pt:302)
190Pt78 + 12 D* --> 164Dy66 + 50Cr24 + 236.538 MeV [30.845 MeV] (A_Pt:303)

190Pt78 + 12 D* --> 164Er68 + 50Ti22 + 237.681 MeV [31.989 MeV] (A_Pt:304)
190Pt78 + 12 D* --> 166Er68 + 48Ti22 + 233.725 MeV [28.032 MeV] (A_Pt:305)
190Pt78 + 12 D* --> 167Er68 + 47Ti22 + 228.534 MeV [22.842 MeV] (A_Pt:306)
190Pt78 + 12 D* --> 168Er68 + 46Ti22 + 227.425 MeV [21.733 MeV] (A_Pt:307)
190Pt78 + 12 D* --> 169Tm69 + 45Sc21 + 222.653 MeV [16.960 MeV] (A_Pt:308)
190Pt78 + 12 D* --> 168Yb70 + 46Ca20 + 225.015 MeV [19.322 MeV] (A_Pt:309)
190Pt78 + 12 D* --> 170Yb70 + 44Ca20 + 222.543 MeV [16.850 MeV] (A_Pt:310)
190Pt78 + 12 D* --> 171Yb70 + 43Ca20 + 218.026 MeV [12.333 MeV] (A_Pt:311)
190Pt78 + 12 D* --> 172Yb70 + 42Ca20 + 218.113 MeV [12.420 MeV] (A_Pt:312)
190Pt78 + 12 D* --> 174Yb70 + 40Ca20 + 212.101 MeV [6.408 MeV] (A_Pt:313)
190Pt78 + 12 D* --> 175Lu71 + 39K19 + 209.283 MeV [3.590 MeV] (A_Pt:314)
190Pt78 + 12 D* --> 174Hf72 + 40Ar18 + 211.192 MeV [5.499 MeV] (A_Pt:315)
190Pt78 + 12 D* --> 176Hf72 + 38Ar18 + 209.597 MeV [3.904 MeV] (A_Pt:316)
190Pt78 + 12 D* --> 178Hf72 + 36Ar18 + 202.981 MeV [-2.712 MeV] (A_Pt:317)
190Pt78 + 12 D* --> 180W74 + 34S16 + 199.882 MeV [-5.811 MeV] (A_Pt:318)
190Pt78 + 12 D* --> 182W74 + 32S16 + 194.568 MeV [-11.124 MeV] (A_Pt:319)
190Pt78 + 12 D* --> 184Os76 + 30Si14 + 188.994 MeV [-16.699 MeV] (A_Pt:320)
190Pt78 + 12 D* --> 186Os76 + 28Si14 + 184.798 MeV [-20.895 MeV] (A_Pt:321)
190Pt78 + 12 D* --> 190Pt78 + 24Mg12 + 171.562 MeV [-34.131 MeV] (A_Pt:322)

192Pt78 + D* --> 176Lu71 + 18O8 + 31.012 MeV [15.490 MeV] (A_Pt:323)
192Pt78 + D* --> 179Hf72 + 15N7 + 27.213 MeV [11.691 MeV] (A_Pt:324)
192Pt78 + D* --> 180Hf72 + 14N7 + 23.768 MeV [8.246 MeV] (A_Pt:325)
192Pt78 + D* --> 181Ta73 + 13C6 + 22.159 MeV [6.638 MeV] (A_Pt:326)
192Pt78 + D* --> 183W74 + 11B5 + 14.542 MeV [-0.980 MeV] (A_Pt:327)
192Pt78 + D* --> 184W74 + 10B5 + 10.499 MeV [-5.023 MeV] (A_Pt:328)
192Pt78 + D* --> 185Re75 + 9Be4 + 9.317 MeV [-6.205 MeV] (A_Pt:329)
192Pt78 + D* --> 187Os76 + 7Li3 + 3.153 MeV [-12.369 MeV] (A_Pt:330)
192Pt78 + D* --> 188Os76 + 6Li3 + 3.892 MeV [-11.629 MeV] (A_Pt:331)

192Pt78 + 2 D* --> 148Nd60 + 48Ca20 + 111.606 MeV [80.272 MeV] (A_Pt:332)
192Pt78 + 2 D* --> 150Nd60 + 46Ca20 + 106.803 MeV [75.469 MeV] (A_Pt:333)
192Pt78 + 2 D* --> 160Gd64 + 36S16 + 88.591 MeV [57.257 MeV] (A_Pt:334)
192Pt78 + 2 D* --> 170Er68 + 26Mg12 + 66.308 MeV [34.973 MeV] (A_Pt:335)
192Pt78 + 2 D* --> 174Yb70 + 22Ne10 + 54.953 MeV [23.618 MeV] (A_Pt:336)
192Pt78 + 2 D* --> 176Yb70 + 20Ne10 + 50.515 MeV [19.180 MeV] (A_Pt:337)
192Pt78 + 2 D* --> 178Hf72 + 18O8 + 43.204 MeV [11.870 MeV] (A_Pt:338)
192Pt78 + 2 D* --> 179Hf72 + 17O8 + 41.259 MeV [9.925 MeV] (A_Pt:339)
192Pt78 + 2 D* --> 180Hf72 + 16O8 + 44.504 MeV [13.169 MeV] (A_Pt:340)
192Pt78 + 2 D* --> 181Ta73 + 15N7 + 38.319 MeV [6.984 MeV] (A_Pt:341)
192Pt78 + 2 D* --> 183W74 + 13C6 + 33.221 MeV [1.886 MeV] (A_Pt:342)
192Pt78 + 2 D* --> 184W74 + 12C6 + 35.686 MeV [4.351 MeV] (A_Pt:343)
192Pt78 + 2 D* --> 185Re75 + 11B5 + 25.133 MeV [-6.202 MeV] (A_Pt:344)
192Pt78 + 2 D* --> 187Os76 + 9Be4 + 19.849 MeV [-11.485 MeV] (A_Pt:345)
192Pt78 + 2 D* --> 192Pt78 + 4He2 + 23.847 MeV [-7.488 MeV] (A_Pt:346)
192Pt78 + 2 D* --> 196Hg80 + 21.805 MeV [-9.529 MeV] (A_Pt:347)

192Pt78 + 3 D* --> 176Lu71 + 22Ne10 + 64.526 MeV [17.090 MeV] (A_Pt:348)
192Pt78 + 3 D* --> 179Hf72 + 19F9 + 55.074 MeV [7.638 MeV] (A_Pt:349)
192Pt78 + 3 D* --> 180Ta73 + 18O8 + 52.832 MeV [5.396 MeV] (A_Pt:350)
192Pt78 + 3 D* --> 181Ta73 + 17O8 + 52.365 MeV [4.929 MeV] (A_Pt:351)
192Pt78 + 3 D* --> 183W74 + 15N7 + 49.380 MeV [1.944 MeV] (A_Pt:352)
192Pt78 + 3 D* --> 184W74 + 14N7 + 45.958 MeV [-1.478 MeV] (A_Pt:353)
192Pt78 + 3 D* --> 185Re75 + 13C6 + 43.811 MeV [-3.625 MeV] (A_Pt:354)

192Pt78 + 3 D* --> 187Os76 + 11B5 + 35.665 MeV [-11.772 MeV] (A_Pt:355)
192Pt78 + 3 D* --> 188Os76 + 10B5 + 32.200 MeV [-15.236 MeV] (A_Pt:356)
192Pt78 + 3 D* --> 192Pt78 + 6Li3 + 25.320 MeV [-22.116 MeV] (A_Pt:357)
192Pt78 + 3 D* --> 196Hg80 + 2H1 + 21.805 MeV [-25.631 MeV] (A_Pt:358)

192Pt78 + 4 D* --> 124Sn50 + 76Ge32 + 177.700 MeV [113.875 MeV] (A_Pt:359)
192Pt78 + 4 D* --> 130Te52 + 70Zn30 + 173.166 MeV [109.342 MeV] (A_Pt:360)
192Pt78 + 4 D* --> 136Xe54 + 64Ni28 + 169.774 MeV [105.950 MeV] (A_Pt:361)
192Pt78 + 4 D* --> 150Nd60 + 50Ti22 + 141.366 MeV [77.542 MeV] (A_Pt:362)
192Pt78 + 4 D* --> 152Sm62 + 48Ca20 + 135.233 MeV [71.408 MeV] (A_Pt:363)
192Pt78 + 4 D* --> 154Sm62 + 46Ca20 + 131.847 MeV [68.022 MeV] (A_Pt:364)
192Pt78 + 4 D* --> 160Gd64 + 40Ar18 + 119.239 MeV [55.414 MeV] (A_Pt:365)
192Pt78 + 4 D* --> 164Dy66 + 36S16 + 112.887 MeV [49.063 MeV] (A_Pt:366)
192Pt78 + 4 D* --> 170Er68 + 30Si14 + 100.798 MeV [36.973 MeV] (A_Pt:367)
192Pt78 + 4 D* --> 174Yb70 + 26Mg12 + 89.414 MeV [25.590 MeV] (A_Pt:368)
192Pt78 + 4 D* --> 176Yb70 + 24Mg12 + 83.678 MeV [19.853 MeV] (A_Pt:369)
192Pt78 + 4 D* --> 178Hf72 + 22Ne10 + 76.719 MeV [12.894 MeV] (A_Pt:370)
192Pt78 + 4 D* --> 179Hf72 + 21Ne10 + 72.454 MeV [8.629 MeV] (A_Pt:371)
192Pt78 + 4 D* --> 180Hf72 + 20Ne10 + 73.080 MeV [9.256 MeV] (A_Pt:372)
192Pt78 + 4 D* --> 181Ta73 + 19F9 + 66.179 MeV [2.355 MeV] (A_Pt:373)
192Pt78 + 4 D* --> 182W74 + 18O8 + 65.279 MeV [1.455 MeV] (A_Pt:374)
192Pt78 + 4 D* --> 183W74 + 17O8 + 63.426 MeV [-0.399 MeV] (A_Pt:375)
192Pt78 + 4 D* --> 184W74 + 16O8 + 66.694 MeV [2.870 MeV] (A_Pt:376)
192Pt78 + 4 D* --> 185Re75 + 15N7 + 59.971 MeV [-3.854 MeV] (A_Pt:377)
192Pt78 + 4 D* --> 187Os76 + 13C6 + 54.343 MeV [-9.481 MeV] (A_Pt:378)
192Pt78 + 4 D* --> 188Os76 + 12C6 + 57.386 MeV [-6.438 MeV] (A_Pt:379)
192Pt78 + 4 D* --> 196Hg80 + 4He2 + 45.652 MeV [-18.173 MeV] (A_Pt:380)

192Pt78 + 5 D* --> 176Lu71 + 26Mg12 + 98.988 MeV [18.490 MeV] (A_Pt:381)
192Pt78 + 5 D* --> 179Hf72 + 23Na11 + 89.388 MeV [8.889 MeV] (A_Pt:382)
192Pt78 + 5 D* --> 180Ta73 + 22Ne10 + 86.347 MeV [5.849 MeV] (A_Pt:383)
192Pt78 + 5 D* --> 181Ta73 + 21Ne10 + 83.559 MeV [3.061 MeV] (A_Pt:384)
192Pt78 + 5 D* --> 183W74 + 19F9 + 77.240 MeV [-3.258 MeV] (A_Pt:385)
192Pt78 + 5 D* --> 185Re75 + 17O8 + 74.017 MeV [-6.481 MeV] (A_Pt:386)
192Pt78 + 5 D* --> 187Os76 + 15N7 + 70.502 MeV [-9.996 MeV] (A_Pt:387)
192Pt78 + 5 D* --> 188Os76 + 14N7 + 67.659 MeV [-12.839 MeV] (A_Pt:388)
192Pt78 + 5 D* --> 192Pt78 + 10B5 + 53.628 MeV [-26.870 MeV] (A_Pt:389)
192Pt78 + 5 D* --> 196Hg80 + 6Li3 + 47.126 MeV [-33.373 MeV] (A_Pt:390)

192Pt78 + 6 D* --> 122Sn50 + 82Se34 + 210.061 MeV [112.606 MeV] (A_Pt:391)
192Pt78 + 6 D* --> 124Sn50 + 80Se34 + 208.518 MeV [111.063 MeV] (A_Pt:392)
192Pt78 + 6 D* --> 128Te52 + 76Ge32 + 204.727 MeV [107.271 MeV] (A_Pt:393)
192Pt78 + 6 D* --> 130Te52 + 74Ge32 + 203.295 MeV [105.840 MeV] (A_Pt:394)
192Pt78 + 6 D* --> 134Xe54 + 70Zn30 + 200.211 MeV [102.755 MeV] (A_Pt:395)
192Pt78 + 6 D* --> 136Xe54 + 68Zn30 + 198.954 MeV [101.499 MeV] (A_Pt:396)
192Pt78 + 6 D* --> 150Nd60 + 54Cr24 + 173.144 MeV [75.688 MeV] (A_Pt:397)
192Pt78 + 6 D* --> 154Sm62 + 50Ti22 + 166.410 MeV [68.955 MeV] (A_Pt:398)
192Pt78 + 6 D* --> 156Gd64 + 48Ca20 + 159.278 MeV [61.823 MeV] (A_Pt:399)
192Pt78 + 6 D* --> 158Gd64 + 46Ca20 + 156.353 MeV [58.898 MeV] (A_Pt:400)
192Pt78 + 6 D* --> 160Gd64 + 44Ca20 + 151.939 MeV [54.483 MeV] (A_Pt:401)
192Pt78 + 6 D* --> 164Dy66 + 40Ar18 + 143.535 MeV [46.079 MeV] (A_Pt:402)
192Pt78 + 6 D* --> 168Er68 + 36S16 + 136.182 MeV [38.727 MeV] (A_Pt:403)
192Pt78 + 6 D* --> 170Er68 + 34S16 + 132.568 MeV [35.113 MeV] (A_Pt:404)
192Pt78 + 6 D* --> 174Yb70 + 30Si14 + 123.904 MeV [26.449 MeV] (A_Pt:405)

192Pt78 + 6 D* --> 176Yb70 + 28Si14 + 117.508 MeV [20.053 MeV] (A_Pt:406)
192Pt78 + 6 D* --> 178Hf72 + 26Mg12 + 111.180 MeV [13.725 MeV] (A_Pt:407)
192Pt78 + 6 D* --> 179Hf72 + 25Mg12 + 106.186 MeV [8.731 MeV] (A_Pt:408)
192Pt78 + 6 D* --> 180Hf72 + 24Mg12 + 106.243 MeV [8.788 MeV] (A_Pt:409)
192Pt78 + 6 D* --> 181Ta73 + 23Na11 + 100.493 MeV [3.038 MeV] (A_Pt:410)
192Pt78 + 6 D* --> 182W74 + 22Ne10 + 98.794 MeV [1.338 MeV] (A_Pt:411)
192Pt78 + 6 D* --> 183W74 + 21Ne10 + 94.620 MeV [-2.835 MeV] (A_Pt:412)
192Pt78 + 6 D* --> 184W74 + 20Ne10 + 95.271 MeV [-2.185 MeV] (A_Pt:413)
192Pt78 + 6 D* --> 185Re75 + 19F9 + 87.831 MeV [-9.624 MeV] (A_Pt:414)
192Pt78 + 6 D* --> 186Os76 + 18O8 + 86.302 MeV [-11.153 MeV] (A_Pt:415)
192Pt78 + 6 D* --> 187Os76 + 17O8 + 84.548 MeV [-12.907 MeV] (A_Pt:416)
192Pt78 + 6 D* --> 188Os76 + 16O8 + 88.395 MeV [-9.060 MeV] (A_Pt:417)
192Pt78 + 6 D* --> 192Pt78 + 12C6 + 78.814 MeV [-18.641 MeV] (A_Pt:418)

192Pt78 + 7 D* --> 176Lu71 + 30Si14 + 133.477 MeV [18.783 MeV] (A_Pt:419)
192Pt78 + 7 D* --> 179Hf72 + 27Al13 + 123.326 MeV [8.632 MeV] (A_Pt:420)
192Pt78 + 7 D* --> 180Ta73 + 26Mg12 + 120.808 MeV [6.114 MeV] (A_Pt:421)
192Pt78 + 7 D* --> 181Ta73 + 25Mg12 + 117.292 MeV [2.598 MeV] (A_Pt:422)
192Pt78 + 7 D* --> 183W74 + 23Na11 + 111.554 MeV [-3.140 MeV] (A_Pt:423)
192Pt78 + 7 D* --> 185Re75 + 21Ne10 + 105.211 MeV [-9.483 MeV] (A_Pt:424)
192Pt78 + 7 D* --> 187Os76 + 19F9 + 98.363 MeV [-16.331 MeV] (A_Pt:425)
192Pt78 + 7 D* --> 192Pt78 + 14N7 + 89.087 MeV [-25.607 MeV] (A_Pt:426)
192Pt78 + 7 D* --> 196Hg80 + 10B5 + 75.433 MeV [-39.261 MeV] (A_Pt:427)

192Pt78 + 8 D* --> 122Sn50 + 86Kr36 + 242.004 MeV [109.792 MeV] (A_Pt:428)
192Pt78 + 8 D* --> 124Sn50 + 84Kr36 + 239.461 MeV [107.248 MeV] (A_Pt:429)
192Pt78 + 8 D* --> 126Te52 + 82Se34 + 236.451 MeV [104.239 MeV] (A_Pt:430)
192Pt78 + 8 D* --> 128Te52 + 80Se34 + 235.545 MeV [103.332 MeV] (A_Pt:431)
192Pt78 + 8 D* --> 130Te52 + 78Se34 + 233.170 MeV [100.958 MeV] (A_Pt:432)
192Pt78 + 8 D* --> 132Xe54 + 76Ge32 + 231.286 MeV [99.074 MeV] (A_Pt:433)
192Pt78 + 8 D* --> 134Xe54 + 74Ge32 + 230.340 MeV [98.127 MeV] (A_Pt:434)
192Pt78 + 8 D* --> 136Xe54 + 72Ge32 + 227.804 MeV [95.591 MeV] (A_Pt:435)
192Pt78 + 8 D* --> 138Ba56 + 70Zn30 + 226.619 MeV [94.406 MeV] (A_Pt:436)
192Pt78 + 8 D* --> 150Nd60 + 58Fe26 + 204.636 MeV [72.423 MeV] (A_Pt:437)
192Pt78 + 8 D* --> 154Sm62 + 54Cr24 + 198.187 MeV [65.974 MeV] (A_Pt:438)
192Pt78 + 8 D* --> 158Gd64 + 50Ti22 + 190.916 MeV [58.704 MeV] (A_Pt:439)
192Pt78 + 8 D* --> 160Gd64 + 48Ti22 + 185.229 MeV [53.016 MeV] (A_Pt:440)
192Pt78 + 8 D* --> 160Dy66 + 48Ca20 + 182.685 MeV [50.472 MeV] (A_Pt:441)
192Pt78 + 8 D* --> 162Dy66 + 46Ca20 + 180.115 MeV [47.902 MeV] (A_Pt:442)
192Pt78 + 8 D* --> 164Dy66 + 44Ca20 + 176.235 MeV [44.022 MeV] (A_Pt:443)
192Pt78 + 8 D* --> 168Er68 + 40Ar18 + 166.830 MeV [34.617 MeV] (A_Pt:444)
192Pt78 + 8 D* --> 170Er68 + 38Ar18 + 163.622 MeV [31.409 MeV] (A_Pt:445)
192Pt78 + 8 D* --> 172Yb70 + 36S16 + 158.717 MeV [26.504 MeV] (A_Pt:446)
192Pt78 + 8 D* --> 174Yb70 + 34S16 + 155.674 MeV [23.461 MeV] (A_Pt:447)
192Pt78 + 8 D* --> 176Yb70 + 32S16 + 148.303 MeV [16.090 MeV] (A_Pt:448)
192Pt78 + 8 D* --> 178Hf72 + 30Si14 + 145.670 MeV [13.457 MeV] (A_Pt:449)
192Pt78 + 8 D* --> 179Hf72 + 29Si14 + 141.160 MeV [8.947 MeV] (A_Pt:450)
192Pt78 + 8 D* --> 180Hf72 + 28Si14 + 140.074 MeV [7.861 MeV] (A_Pt:451)
192Pt78 + 8 D* --> 181Ta73 + 27Al13 + 134.431 MeV [2.218 MeV] (A_Pt:452)
192Pt78 + 8 D* --> 182W74 + 26Mg12 + 133.255 MeV [1.042 MeV] (A_Pt:453)
192Pt78 + 8 D* --> 183W74 + 25Mg12 + 128.353 MeV [-3.860 MeV] (A_Pt:454)
192Pt78 + 8 D* --> 184W74 + 24Mg12 + 128.434 MeV [-3.779 MeV] (A_Pt:455)
192Pt78 + 8 D* --> 185Re75 + 23Na11 + 122.145 MeV [-10.068 MeV] (A_Pt:456)
192Pt78 + 8 D* --> 186Os76 + 22Ne10 + 119.817 MeV [-12.396 MeV] (A_Pt:457)

192Pt78 + 8 D* --> 187Os76 + 21Ne10 + 115.743 MeV [-16.470 MeV] (A_Pt:458)
192Pt78 + 8 D* --> 188Os76 + 20Ne10 + 116.971 MeV [-15.242 MeV] (A_Pt:459)
192Pt78 + 8 D* --> 190Pt78 + 18O8 + 106.898 MeV [-25.315 MeV] (A_Pt:460)
192Pt78 + 8 D* --> 192Pt78 + 16O8 + 109.823 MeV [-22.390 MeV] (A_Pt:461)
192Pt78 + 8 D* --> 196Hg80 + 12C6 + 100.620 MeV [-31.593 MeV] (A_Pt:462)

192Pt78 + 9 D* --> 160Gd64 + 50V23 + 199.099 MeV [49.089 MeV] (A_Pt:463)
192Pt78 + 9 D* --> 170Er68 + 40K19 + 175.578 MeV [25.568 MeV] (A_Pt:464)
192Pt78 + 9 D* --> 173Yb70 + 37Cl17 + 171.246 MeV [21.236 MeV] (A_Pt:465)
192Pt78 + 9 D* --> 176Lu71 + 34S16 + 165.248 MeV [15.238 MeV] (A_Pt:466)
192Pt78 + 9 D* --> 179Hf72 + 31P15 + 156.841 MeV [6.831 MeV] (A_Pt:467)
192Pt78 + 9 D* --> 180Ta73 + 30Si14 + 155.298 MeV [5.288 MeV] (A_Pt:468)
192Pt78 + 9 D* --> 181Ta73 + 29Si14 + 152.265 MeV [2.255 MeV] (A_Pt:469)
192Pt78 + 9 D* --> 183W74 + 27Al13 + 145.492 MeV [-4.518 MeV] (A_Pt:470)
192Pt78 + 9 D* --> 185Re75 + 25Mg12 + 138.944 MeV [-11.066 MeV] (A_Pt:471)
192Pt78 + 9 D* --> 187Os76 + 23Na11 + 132.677 MeV [-17.333 MeV] (A_Pt:472)
192Pt78 + 9 D* --> 196Hg80 + 14N7 + 110.892 MeV [-39.118 MeV] (A_Pt:473)

192Pt78 + 10 D* --> 116Cd48 + 96Zr40 + 269.227 MeV [101.143 MeV] (A_Pt:474)
192Pt78 + 10 D* --> 124Sn50 + 88Sr38 + 271.223 MeV [103.139 MeV] (A_Pt:475)
192Pt78 + 10 D* --> 126Te52 + 86Kr36 + 268.395 MeV [100.310 MeV] (A_Pt:476)
192Pt78 + 10 D* --> 128Te52 + 84Kr36 + 266.487 MeV [98.403 MeV] (A_Pt:477)
192Pt78 + 10 D* --> 130Te52 + 82Kr36 + 263.005 MeV [94.921 MeV] (A_Pt:478)
192Pt78 + 10 D* --> 130Xe54 + 82Se34 + 262.540 MeV [94.456 MeV] (A_Pt:479)
192Pt78 + 10 D* --> 132Xe54 + 80Se34 + 262.105 MeV [94.021 MeV] (A_Pt:480)
192Pt78 + 10 D* --> 134Xe54 + 78Se34 + 260.215 MeV [92.131 MeV] (A_Pt:481)
192Pt78 + 10 D* --> 136Xe54 + 76Se34 + 256.742 MeV [88.658 MeV] (A_Pt:482)
192Pt78 + 10 D* --> 136Ba56 + 76Ge32 + 257.164 MeV [89.080 MeV] (A_Pt:483)
192Pt78 + 10 D* --> 138Ba56 + 74Ge32 + 256.748 MeV [88.664 MeV] (A_Pt:484)
192Pt78 + 10 D* --> 142Ce58 + 70Zn30 + 249.167 MeV [81.083 MeV] (A_Pt:485)
192Pt78 + 10 D* --> 148Nd60 + 64Ni28 + 239.577 MeV [71.493 MeV] (A_Pt:486)
192Pt78 + 10 D* --> 150Nd60 + 62Ni28 + 235.500 MeV [67.416 MeV] (A_Pt:487)
192Pt78 + 10 D* --> 154Sm62 + 58Fe26 + 229.679 MeV [61.595 MeV] (A_Pt:488)
192Pt78 + 10 D* --> 158Gd64 + 54Cr24 + 222.694 MeV [54.610 MeV] (A_Pt:489)
192Pt78 + 10 D* --> 160Gd64 + 52Cr24 + 218.430 MeV [50.346 MeV] (A_Pt:490)
192Pt78 + 10 D* --> 162Dy66 + 50Ti22 + 214.678 MeV [46.594 MeV] (A_Pt:491)
192Pt78 + 10 D* --> 163Dy66 + 49Ti22 + 210.010 MeV [41.926 MeV] (A_Pt:492)
192Pt78 + 10 D* --> 164Dy66 + 48Ti22 + 209.525 MeV [41.441 MeV] (A_Pt:493)
192Pt78 + 10 D* --> 164Er68 + 48Ca20 + 205.228 MeV [37.144 MeV] (A_Pt:494)
192Pt78 + 10 D* --> 166Er68 + 46Ca20 + 203.131 MeV [35.047 MeV] (A_Pt:495)
192Pt78 + 10 D* --> 168Er68 + 44Ca20 + 199.530 MeV [31.446 MeV] (A_Pt:496)
192Pt78 + 10 D* --> 170Er68 + 42Ca20 + 193.726 MeV [25.642 MeV] (A_Pt:497)
192Pt78 + 10 D* --> 172Yb70 + 40Ar18 + 189.365 MeV [21.281 MeV] (A_Pt:498)
192Pt78 + 10 D* --> 174Yb70 + 38Ar18 + 186.729 MeV [18.644 MeV] (A_Pt:499)
192Pt78 + 10 D* --> 176Yb70 + 36Ar18 + 178.790 MeV [10.706 MeV] (A_Pt:500)
192Pt78 + 10 D* --> 175Lu71 + 37Cl17 + 181.997 MeV [13.913 MeV] (A_Pt:501)
192Pt78 + 10 D* --> 176Hf72 + 36S16 + 180.306 MeV [12.222 MeV] (A_Pt:502)
192Pt78 + 10 D* --> 178Hf72 + 34S16 + 177.440 MeV [9.356 MeV] (A_Pt:503)
192Pt78 + 10 D* --> 179Hf72 + 33S16 + 172.122 MeV [4.038 MeV] (A_Pt:504)
192Pt78 + 10 D* --> 180Hf72 + 32S16 + 170.868 MeV [2.784 MeV] (A_Pt:505)
192Pt78 + 10 D* --> 181Ta73 + 31P15 + 167.947 MeV [-0.137 MeV] (A_Pt:506)
192Pt78 + 10 D* --> 182W74 + 30Si14 + 167.745 MeV [-0.339 MeV] (A_Pt:507)
192Pt78 + 10 D* --> 183W74 + 29Si14 + 163.326 MeV [-4.758 MeV] (A_Pt:508)
192Pt78 + 10 D* --> 184W74 + 28Si14 + 162.264 MeV [-5.820 MeV] (A_Pt:509)

192Pt78 + 10 D* --> 185Re75 + 27Al13 + 156.083 MeV [-12.001 MeV] (A_Pt:510)
192Pt78 + 10 D* --> 186Os76 + 26Mg12 + 154.278 MeV [-13.806 MeV] (A_Pt:511)
192Pt78 + 10 D* --> 187Os76 + 25Mg12 + 149.475 MeV [-18.609 MeV] (A_Pt:512)
192Pt78 + 10 D* --> 188Os76 + 24Mg12 + 150.134 MeV [-17.950 MeV] (A_Pt:513)
192Pt78 + 10 D* --> 190Pt78 + 22Ne10 + 140.412 MeV [-27.672 MeV] (A_Pt:514)
192Pt78 + 10 D* --> 192Pt78 + 20Ne10 + 138.399 MeV [-29.685 MeV] (A_Pt:515)
192Pt78 + 10 D* --> 196Hg80 + 16O8 + 131.628 MeV [-36.456 MeV] (A_Pt:516)

192Pt78 + 11 D* --> 138La57 + 76Ge32 + 267.938 MeV [81.505 MeV] (A_Pt:517)
192Pt78 + 11 D* --> 163Dy66 + 51V23 + 226.788 MeV [40.355 MeV] (A_Pt:518)
192Pt78 + 11 D* --> 164Dy66 + 50V23 + 223.395 MeV [36.962 MeV] (A_Pt:519)
192Pt78 + 11 D* --> 165Ho67 + 49Ti22 + 221.663 MeV [35.230 MeV] (A_Pt:520)
192Pt78 + 11 D* --> 173Yb70 + 41K19 + 201.315 MeV [14.882 MeV] (A_Pt:521)
192Pt78 + 11 D* --> 174Yb70 + 40K19 + 198.685 MeV [12.252 MeV] (A_Pt:522)
192Pt78 + 11 D* --> 176Lu71 + 38Ar18 + 196.302 MeV [9.869 MeV] (A_Pt:523)
192Pt78 + 11 D* --> 177Hf72 + 37Cl17 + 192.851 MeV [6.418 MeV] (A_Pt:524)
192Pt78 + 11 D* --> 179Hf72 + 35Cl17 + 187.686 MeV [1.252 MeV] (A_Pt:525)
192Pt78 + 11 D* --> 180Ta73 + 34S16 + 187.068 MeV [00.635 MeV] (A_Pt:526)
192Pt78 + 11 D* --> 181Ta73 + 33S16 + 183.228 MeV [-3.205 MeV] (A_Pt:527)
192Pt78 + 11 D* --> 183W74 + 31P15 + 179.008 MeV [-7.425 MeV] (A_Pt:528)
192Pt78 + 11 D* --> 185Re75 + 29Si14 + 173.917 MeV [-12.516 MeV] (A_Pt:529)
192Pt78 + 11 D* --> 187Os76 + 27Al13 + 166.615 MeV [-19.818 MeV] (A_Pt:530)

192Pt78 + 12 D* --> 116Cd48 + 100Mo42 + 296.240 MeV [91.184 MeV] (A_Pt:531)
192Pt78 + 12 D* --> 120Sn50 + 96Zr40 + 297.884 MeV [92.828 MeV] (A_Pt:532)
192Pt78 + 12 D* --> 122Sn50 + 94Zr40 + 298.549 MeV [93.493 MeV] (A_Pt:533)
192Pt78 + 12 D* --> 124Sn50 + 92Zr40 + 298.026 MeV [92.970 MeV] (A_Pt:534)
192Pt78 + 12 D* --> 128Te52 + 88Sr38 + 298.250 MeV [93.194 MeV] (A_Pt:535)
192Pt78 + 12 D* --> 130Te52 + 86Sr38 + 293.211 MeV [88.155 MeV] (A_Pt:536)
192Pt78 + 12 D* --> 130Xe54 + 86Kr36 + 294.483 MeV [89.427 MeV] (A_Pt:537)
192Pt78 + 12 D* --> 132Xe54 + 84Kr36 + 293.047 MeV [87.991 MeV] (A_Pt:538)
192Pt78 + 12 D* --> 134Xe54 + 82Kr36 + 290.050 MeV [84.994 MeV] (A_Pt:539)
192Pt78 + 12 D* --> 136Xe54 + 80Kr36 + 285.653 MeV [80.597 MeV] (A_Pt:540)
192Pt78 + 12 D* --> 134Ba56 + 82Se34 + 287.880 MeV [82.824 MeV] (A_Pt:541)
192Pt78 + 12 D* --> 136Ba56 + 80Se34 + 287.983 MeV [82.927 MeV] (A_Pt:542)
192Pt78 + 12 D* --> 138Ba56 + 78Se34 + 286.624 MeV [81.568 MeV] (A_Pt:543)
192Pt78 + 12 D* --> 140Ce58 + 76Ge32 + 282.632 MeV [77.576 MeV] (A_Pt:544)
192Pt78 + 12 D* --> 142Ce58 + 74Ge32 + 279.297 MeV [74.241 MeV] (A_Pt:545)
192Pt78 + 12 D* --> 146Nd60 + 70Zn30 + 271.831 MeV [66.775 MeV] (A_Pt:546)
192Pt78 + 12 D* --> 148Nd60 + 68Zn30 + 268.756 MeV [63.700 MeV] (A_Pt:547)
192Pt78 + 12 D* --> 150Nd60 + 66Zn30 + 263.925 MeV [58.869 MeV] (A_Pt:548)
192Pt78 + 12 D* --> 152Sm62 + 64Ni28 + 263.204 MeV [58.148 MeV] (A_Pt:549)
192Pt78 + 12 D* --> 154Sm62 + 62Ni28 + 260.543 MeV [55.487 MeV] (A_Pt:550)
192Pt78 + 12 D* --> 158Gd64 + 58Fe26 + 254.186 MeV [49.130 MeV] (A_Pt:551)
192Pt78 + 12 D* --> 160Gd64 + 56Fe26 + 249.890 MeV [44.834 MeV] (A_Pt:552)
192Pt78 + 12 D* --> 162Dy66 + 54Cr24 + 246.455 MeV [41.399 MeV] (A_Pt:553)
192Pt78 + 12 D* --> 163Dy66 + 53Cr24 + 243.007 MeV [37.951 MeV] (A_Pt:554)
192Pt78 + 12 D* --> 164Dy66 + 52Cr24 + 242.726 MeV [37.670 MeV] (A_Pt:555)
192Pt78 + 12 D* --> 165Ho67 + 51V23 + 238.442 MeV [33.386 MeV] (A_Pt:556)
192Pt78 + 12 D* --> 166Er68 + 50Ti22 + 237.694 MeV [32.638 MeV] (A_Pt:557)
192Pt78 + 12 D* --> 167Er68 + 49Ti22 + 233.191 MeV [28.135 MeV] (A_Pt:558)
192Pt78 + 12 D* --> 168Er68 + 48Ti22 + 232.820 MeV [27.764 MeV] (A_Pt:559)
192Pt78 + 12 D* --> 170Er68 + 46Ti22 + 225.574 MeV [20.518 MeV] (A_Pt:560)
192Pt78 + 12 D* --> 168Yb70 + 48Ca20 + 227.125 MeV [22.069 MeV] (A_Pt:561)

192Pt78 + 12 D* --> 170Yb70 + 46Ca20 + 225.240 MeV [20.184 MeV] (A_Pt:562)
192Pt78 + 12 D* --> 172Yb70 + 44Ca20 + 222.065 MeV [17.009 MeV] (A_Pt:563)
192Pt78 + 12 D* --> 173Yb70 + 43Ca20 + 217.301 MeV [12.245 MeV] (A_Pt:564)
192Pt78 + 12 D* --> 174Yb70 + 42Ca20 + 216.832 MeV [11.776 MeV] (A_Pt:565)
192Pt78 + 12 D* --> 176Yb70 + 40Ca20 + 209.676 MeV [4.620 MeV] (A_Pt:566)
192Pt78 + 12 D* --> 175Lu71 + 41K19 + 212.066 MeV [7.010 MeV] (A_Pt:567)
192Pt78 + 12 D* --> 176Lu71 + 40K19 + 208.258 MeV [3.202 MeV] (A_Pt:568)
192Pt78 + 12 D* --> 176Hf72 + 40Ar18 + 210.953 MeV [5.897 MeV] (A_Pt:569)
192Pt78 + 12 D* --> 178Hf72 + 38Ar18 + 208.495 MeV [3.439 MeV] (A_Pt:570)
192Pt78 + 12 D* --> 180Hf72 + 36Ar18 + 201.356 MeV [-3.700 MeV] (A_Pt:571)
192Pt78 + 12 D* --> 181Ta73 + 35Cl17 + 198.791 MeV [-6.265 MeV] (A_Pt:572)
192Pt78 + 12 D* --> 180W74 + 36S16 + 201.644 MeV [-3.412 MeV] (A_Pt:573)
192Pt78 + 12 D* --> 182W74 + 34S16 + 199.515 MeV [-5.541 MeV] (A_Pt:574)
192Pt78 + 12 D* --> 183W74 + 33S16 + 194.289 MeV [-10.767 MeV] (A_Pt:575)
192Pt78 + 12 D* --> 184W74 + 32S16 + 193.059 MeV [-11.997 MeV] (A_Pt:576)
192Pt78 + 12 D* --> 185Re75 + 31P15 + 189.599 MeV [-15.457 MeV] (A_Pt:577)
192Pt78 + 12 D* --> 186Os76 + 30Si14 + 188.768 MeV [-16.288 MeV] (A_Pt:578)
192Pt78 + 12 D* --> 187Os76 + 29Si14 + 184.449 MeV [-20.607 MeV] (A_Pt:579)
192Pt78 + 12 D* --> 188Os76 + 28Si14 + 183.965 MeV [-21.091 MeV] (A_Pt:580)
192Pt78 + 12 D* --> 190Pt78 + 26Mg12 + 174.874 MeV [-30.182 MeV] (A_Pt:581)
192Pt78 + 12 D* --> 192Pt78 + 24Mg12 + 171.562 MeV [-33.494 MeV] (A_Pt:582)
192Pt78 + 12 D* --> 196Hg80 + 20Ne10 + 160.204 MeV [-44.852 MeV] (A_Pt:583)

194Pt78 + D* --> 186W74 + 10B5 + 8.831 MeV [-6.638 MeV] (A_Pt:584)
194Pt78 + D* --> 187Re75 + 9Be4 + 8.241 MeV [-7.228 MeV] (A_Pt:585)
194Pt78 + D* --> 189Os76 + 7Li3 + 2.450 MeV [-13.019 MeV] (A_Pt:586)
194Pt78 + D* --> 190Os76 + 6Li3 + 2.992 MeV [-12.477 MeV] (A_Pt:587)
194Pt78 + D* --> 195Pt78 + 1H1 + 3.880 MeV [-11.589 MeV] (A_Pt:588)

194Pt78 + 2 D* --> 150Nd60 + 48Ca20 + 109.412 MeV [78.183 MeV] (A_Pt:589)
194Pt78 + 2 D* --> 176Yb70 + 22Ne10 + 53.027 MeV [21.798 MeV] (A_Pt:590)
194Pt78 + 2 D* --> 180Hf72 + 18O8 + 42.078 MeV [10.850 MeV] (A_Pt:591)
194Pt78 + 2 D* --> 186W74 + 12C6 + 34.018 MeV [2.789 MeV] (A_Pt:592)
194Pt78 + 2 D* --> 187Re75 + 11B5 + 24.056 MeV [-7.173 MeV] (A_Pt:593)
194Pt78 + 2 D* --> 189Os76 + 9Be4 + 19.146 MeV [-12.083 MeV] (A_Pt:594)
194Pt78 + 2 D* --> 191Ir77 + 7Li3 + 13.307 MeV [-17.922 MeV] (A_Pt:595)
194Pt78 + 2 D* --> 194Pt78 + 4He2 + 23.847 MeV [-7.382 MeV] (A_Pt:596)
194Pt78 + 2 D* --> 195Pt78 + 3He2 + 9.374 MeV [-21.855 MeV] (A_Pt:597)
194Pt78 + 2 D* --> 197Au79 + 1H1 + 15.360 MeV [-15.868 MeV] (A_Pt:598)
194Pt78 + 2 D* --> 198Hg80 + 22.463 MeV [-8.766 MeV] (A_Pt:599)

194Pt78 + 3 D* --> 186W74 + 14N7 + 44.290 MeV [-2.987 MeV] (A_Pt:600)
194Pt78 + 3 D* --> 187Re75 + 13C6 + 42.735 MeV [-4.543 MeV] (A_Pt:601)
194Pt78 + 3 D* --> 189Os76 + 11B5 + 34.961 MeV [-12.316 MeV] (A_Pt:602)
194Pt78 + 3 D* --> 190Os76 + 10B5 + 31.300 MeV [-15.978 MeV] (A_Pt:603)
194Pt78 + 3 D* --> 191Ir77 + 9Be4 + 30.003 MeV [-17.275 MeV] (A_Pt:604)
194Pt78 + 3 D* --> 194Pt78 + 6Li3 + 25.320 MeV [-21.957 MeV] (A_Pt:605)
194Pt78 + 3 D* --> 197Au79 + 3He2 + 20.854 MeV [-26.423 MeV] (A_Pt:606)
194Pt78 + 3 D* --> 198Hg80 + 2H1 + 22.463 MeV [-24.815 MeV] (A_Pt:607)
194Pt78 + 3 D* --> 199Hg80 + 1H1 + 26.902 MeV [-20.375 MeV] (A_Pt:608)

194Pt78 + 4 D* --> 154Sm62 + 48Ca20 + 134.455 MeV [70.842 MeV] (A_Pt:609)
194Pt78 + 4 D* --> 176Yb70 + 26Mg12 + 87.488 MeV [23.875 MeV] (A_Pt:610)
194Pt78 + 4 D* --> 180Hf72 + 22Ne10 + 75.593 MeV [11.980 MeV] (A_Pt:611)

194Pt78 + 4 D* --> 184W74 + 18O8 + 64.269 MeV [00.655 MeV] (A_Pt:612)
194Pt78 + 4 D* --> 186W74 + 16O8 + 65.026 MeV [1.413 MeV] (A_Pt:613)
194Pt78 + 4 D* --> 187Re75 + 15N7 + 58.894 MeV [-4.719 MeV] (A_Pt:614)
194Pt78 + 4 D* --> 189Os76 + 13C6 + 53.640 MeV [-9.973 MeV] (A_Pt:615)
194Pt78 + 4 D* --> 190Os76 + 12C6 + 56.486 MeV [-7.127 MeV] (A_Pt:616)
194Pt78 + 4 D* --> 191Ir77 + 11B5 + 45.818 MeV [-17.795 MeV] (A_Pt:617)
194Pt78 + 4 D* --> 198Hg80 + 4He2 + 46.309 MeV [-17.304 MeV] (A_Pt:618)
194Pt78 + 4 D* --> 199Hg80 + 3He2 + 32.396 MeV [-31.218 MeV] (A_Pt:619)

194Pt78 + 5 D* --> 187Re75 + 17O8 + 72.940 MeV [-7.294 MeV] (A_Pt:620)
194Pt78 + 5 D* --> 189Os76 + 15N7 + 69.799 MeV [-10.435 MeV] (A_Pt:621)
194Pt78 + 5 D* --> 190Os76 + 14N7 + 66.758 MeV [-13.476 MeV] (A_Pt:622)
194Pt78 + 5 D* --> 191Ir77 + 13C6 + 64.497 MeV [-15.737 MeV] (A_Pt:623)
194Pt78 + 5 D* --> 194Pt78 + 10B5 + 53.628 MeV [-26.606 MeV] (A_Pt:624)
194Pt78 + 5 D* --> 198Hg80 + 6Li3 + 47.783 MeV [-32.451 MeV] (A_Pt:625)

194Pt78 + 6 D* --> 124Sn50 + 82Se34 + 209.882 MeV [112.743 MeV] (A_Pt:626)
194Pt78 + 6 D* --> 130Te52 + 76Ge32 + 204.616 MeV [107.477 MeV] (A_Pt:627)
194Pt78 + 6 D* --> 136Xe54 + 70Zn30 + 200.041 MeV [102.902 MeV] (A_Pt:628)
194Pt78 + 6 D* --> 158Gd64 + 48Ca20 + 158.962 MeV [61.823 MeV] (A_Pt:629)
194Pt78 + 6 D* --> 160Gd64 + 46Ca20 + 155.135 MeV [57.996 MeV] (A_Pt:630)
194Pt78 + 6 D* --> 170Er68 + 36S16 + 134.830 MeV [37.691 MeV] (A_Pt:631)
194Pt78 + 6 D* --> 176Yb70 + 30Si14 + 121.978 MeV [24.839 MeV] (A_Pt:632)
194Pt78 + 6 D* --> 180Hf72 + 26Mg12 + 110.054 MeV [12.915 MeV] (A_Pt:633)
194Pt78 + 6 D* --> 184W74 + 22Ne10 + 97.783 MeV [00.644 MeV] (A_Pt:634)
194Pt78 + 6 D* --> 186W74 + 20Ne10 + 93.603 MeV [-3.536 MeV] (A_Pt:635)
194Pt78 + 6 D* --> 187Re75 + 19F9 + 86.754 MeV [-10.384 MeV] (A_Pt:636)
194Pt78 + 6 D* --> 188Os76 + 18O8 + 85.969 MeV [-11.170 MeV] (A_Pt:637)
194Pt78 + 6 D* --> 189Os76 + 17O8 + 83.845 MeV [-13.293 MeV] (A_Pt:638)
194Pt78 + 6 D* --> 190Os76 + 16O8 + 87.495 MeV [-9.644 MeV] (A_Pt:639)
194Pt78 + 6 D* --> 191Ir77 + 15N7 + 80.656 MeV [-16.483 MeV] (A_Pt:640)
194Pt78 + 6 D* --> 194Pt78 + 12C6 + 78.814 MeV [-18.324 MeV] (A_Pt:641)

194Pt78 + 7 D* --> 187Re75 + 21Ne10 + 104.134 MeV [-10.191 MeV] (A_Pt:642)
194Pt78 + 7 D* --> 189Os76 + 19F9 + 97.660 MeV [-16.666 MeV] (A_Pt:643)
194Pt78 + 7 D* --> 191Ir77 + 17O8 + 94.702 MeV [-19.623 MeV] (A_Pt:644)
194Pt78 + 7 D* --> 194Pt78 + 14N7 + 89.087 MeV [-25.239 MeV] (A_Pt:645)
194Pt78 + 7 D* --> 198Hg80 + 10B5 + 76.091 MeV [-38.235 MeV] (A_Pt:646)

194Pt78 + 8 D* --> 124Sn50 + 86Kr36 + 241.825 MeV [110.033 MeV] (A_Pt:647)
194Pt78 + 8 D* --> 128Te52 + 82Se34 + 236.909 MeV [105.117 MeV] (A_Pt:648)
194Pt78 + 8 D* --> 130Te52 + 80Se34 + 235.434 MeV [103.642 MeV] (A_Pt:649)
194Pt78 + 8 D* --> 134Xe54 + 76Ge32 + 231.660 MeV [99.868 MeV] (A_Pt:650)
194Pt78 + 8 D* --> 136Xe54 + 74Ge32 + 230.170 MeV [98.378 MeV] (A_Pt:651)
194Pt78 + 8 D* --> 160Gd64 + 50Ti22 + 189.698 MeV [57.906 MeV] (A_Pt:652)
194Pt78 + 8 D* --> 162Dy66 + 48Ca20 + 182.724 MeV [50.932 MeV] (A_Pt:653)
194Pt78 + 8 D* --> 164Dy66 + 46Ca20 + 179.431 MeV [47.639 MeV] (A_Pt:654)
194Pt78 + 8 D* --> 170Er68 + 40Ar18 + 165.477 MeV [33.685 MeV] (A_Pt:655)
194Pt78 + 8 D* --> 174Yb70 + 36S16 + 157.936 MeV [26.145 MeV] (A_Pt:656)
194Pt78 + 8 D* --> 176Yb70 + 34S16 + 153.749 MeV [21.957 MeV] (A_Pt:657)
194Pt78 + 8 D* --> 180Hf72 + 30Si14 + 144.544 MeV [12.752 MeV] (A_Pt:658)
194Pt78 + 8 D* --> 184W74 + 26Mg12 + 132.245 MeV [00.453 MeV] (A_Pt:659)
194Pt78 + 8 D* --> 186W74 + 24Mg12 + 126.766 MeV [-5.026 MeV] (A_Pt:660)
194Pt78 + 8 D* --> 187Re75 + 23Na11 + 121.068 MeV [-10.724 MeV] (A_Pt:661)

194Pt78 + 8 D* --> 188Os76 + 22Ne10 + 119.484 MeV [-12.308 MeV] (A_Pt:662)
194Pt78 + 8 D* --> 189Os76 + 21Ne10 + 115.040 MeV [-16.752 MeV] (A_Pt:663)
194Pt78 + 8 D* --> 190Os76 + 20Ne10 + 116.071 MeV [-15.721 MeV] (A_Pt:664)
194Pt78 + 8 D* --> 191Ir77 + 19F9 + 108.516 MeV [-23.275 MeV] (A_Pt:665)
194Pt78 + 8 D* --> 192Pt78 + 18O8 + 107.397 MeV [-24.395 MeV] (A_Pt:666)
194Pt78 + 8 D* --> 194Pt78 + 16O8 + 109.823 MeV [-21.969 MeV] (A_Pt:667)
194Pt78 + 8 D* --> 198Hg80 + 12C6 + 101.277 MeV [-30.515 MeV] (A_Pt:668)

194Pt78 + 9 D* --> 176Lu71 + 36S16 + 167.510 MeV [17.973 MeV] (A_Pt:669)
194Pt78 + 9 D* --> 187Re75 + 25Mg12 + 137.867 MeV [-11.670 MeV] (A_Pt:670)
194Pt78 + 9 D* --> 189Os76 + 23Na11 + 131.974 MeV [-17.563 MeV] (A_Pt:671)
194Pt78 + 9 D* --> 191Ir77 + 21Ne10 + 125.897 MeV [-23.640 MeV] (A_Pt:672)
194Pt78 + 9 D* --> 198Hg80 + 14N7 + 111.549 MeV [-37.987 MeV] (A_Pt:673)

194Pt78 + 10 D* --> 128Te52 + 86Kr36 + 268.852 MeV [101.293 MeV] (A_Pt:674)
194Pt78 + 10 D* --> 130Te52 + 84Kr36 + 266.377 MeV [98.818 MeV] (A_Pt:675)
194Pt78 + 10 D* --> 132Xe54 + 82Se34 + 263.469 MeV [95.910 MeV] (A_Pt:676)
194Pt78 + 10 D* --> 134Xe54 + 80Se34 + 262.479 MeV [94.920 MeV] (A_Pt:677)
194Pt78 + 10 D* --> 136Xe54 + 78Se34 + 260.045 MeV [92.487 MeV] (A_Pt:678)
194Pt78 + 10 D* --> 138Ba56 + 76Ge32 + 258.069 MeV [90.510 MeV] (A_Pt:679)
194Pt78 + 10 D* --> 150Nd60 + 64Ni28 + 237.383 MeV [69.824 MeV] (A_Pt:680)
194Pt78 + 10 D* --> 160Gd64 + 54Cr24 + 221.475 MeV [53.917 MeV] (A_Pt:681)
194Pt78 + 10 D* --> 164Dy66 + 50Ti22 + 213.994 MeV [46.435 MeV] (A_Pt:682)
194Pt78 + 10 D* --> 166Er68 + 48Ca20 + 205.740 MeV [38.181 MeV] (A_Pt:683)
194Pt78 + 10 D* --> 168Er68 + 46Ca20 + 202.726 MeV [35.167 MeV] (A_Pt:684)
194Pt78 + 10 D* --> 170Er68 + 44Ca20 + 198.177 MeV [30.618 MeV] (A_Pt:685)
194Pt78 + 10 D* --> 174Yb70 + 40Ar18 + 188.584 MeV [21.025 MeV] (A_Pt:686)
194Pt78 + 10 D* --> 176Yb70 + 38Ar18 + 184.803 MeV [17.244 MeV] (A_Pt:687)
194Pt78 + 10 D* --> 178Hf72 + 36S16 + 179.702 MeV [12.144 MeV] (A_Pt:688)
194Pt78 + 10 D* --> 180Hf72 + 34S16 + 176.314 MeV [8.756 MeV] (A_Pt:689)
194Pt78 + 10 D* --> 184W74 + 30Si14 + 166.734 MeV [-0.824 MeV] (A_Pt:690)
194Pt78 + 10 D* --> 186W74 + 28Si14 + 160.596 MeV [-6.962 MeV] (A_Pt:691)
194Pt78 + 10 D* --> 187Re75 + 27Al13 + 155.006 MeV [-12.552 MeV] (A_Pt:692)
194Pt78 + 10 D* --> 188Os76 + 26Mg12 + 153.945 MeV [-13.614 MeV] (A_Pt:693)
194Pt78 + 10 D* --> 189Os76 + 25Mg12 + 148.772 MeV [-18.786 MeV] (A_Pt:694)
194Pt78 + 10 D* --> 190Os76 + 24Mg12 + 149.234 MeV [-18.325 MeV] (A_Pt:695)
194Pt78 + 10 D* --> 191Ir77 + 23Na11 + 142.830 MeV [-24.728 MeV] (A_Pt:696)
194Pt78 + 10 D* --> 192Pt78 + 22Ne10 + 140.912 MeV [-26.647 MeV] (A_Pt:697)
194Pt78 + 10 D* --> 194Pt78 + 20Ne10 + 138.399 MeV [-29.160 MeV] (A_Pt:698)
194Pt78 + 10 D* --> 196Hg80 + 18O8 + 129.202 MeV [-38.356 MeV] (A_Pt:699)
194Pt78 + 10 D* --> 198Hg80 + 16O8 + 132.286 MeV [-35.273 MeV] (A_Pt:700)

194Pt78 + 11 D* --> 176Yb70 + 40K19 + 196.759 MeV [10.903 MeV] (A_Pt:701)
194Pt78 + 11 D* --> 176Lu71 + 40Ar18 + 198.157 MeV [12.301 MeV] (A_Pt:702)
194Pt78 + 11 D* --> 179Hf72 + 37Cl17 + 191.963 MeV [6.107 MeV] (A_Pt:703)
194Pt78 + 11 D* --> 180Ta73 + 36S16 + 189.330 MeV [3.474 MeV] (A_Pt:704)
194Pt78 + 11 D* --> 187Re75 + 29Si14 + 172.841 MeV [-13.015 MeV] (A_Pt:705)
194Pt78 + 11 D* --> 189Os76 + 27Al13 + 165.912 MeV [-19.944 MeV] (A_Pt:706)
194Pt78 + 11 D* --> 191Ir77 + 25Mg12 + 159.629 MeV [-26.227 MeV] (A_Pt:707)

194Pt78 + 12 D* --> 122Sn50 + 96Zr40 + 298.254 MeV [93.827 MeV] (A_Pt:708)
194Pt78 + 12 D* --> 124Sn50 + 94Zr40 + 298.369 MeV [93.942 MeV] (A_Pt:709)
194Pt78 + 12 D* --> 130Te52 + 88Sr38 + 298.139 MeV [93.712 MeV] (A_Pt:710)
194Pt78 + 12 D* --> 132Xe54 + 86Kr36 + 295.412 MeV [90.985 MeV] (A_Pt:711)

194Pt78 + 12 D* --> 134Xe54 + 84Kr36 + 293.421 MeV [88.994 MeV] (A_Pt:712)
194Pt78 + 12 D* --> 136Xe54 + 82Kr36 + 289.880 MeV [85.453 MeV] (A_Pt:713)
194Pt78 + 12 D* --> 136Ba56 + 82Se34 + 289.346 MeV [84.919 MeV] (A_Pt:714)
194Pt78 + 12 D* --> 138Ba56 + 80Se34 + 288.887 MeV [84.460 MeV] (A_Pt:715)
194Pt78 + 12 D* --> 142Ce58 + 76Ge32 + 280.617 MeV [76.190 MeV] (A_Pt:716)
194Pt78 + 12 D* --> 148Nd60 + 70Zn30 + 269.844 MeV [65.417 MeV] (A_Pt:717)
194Pt78 + 12 D* --> 150Nd60 + 68Zn30 + 266.562 MeV [62.135 MeV] (A_Pt:718)
194Pt78 + 12 D* --> 154Sm62 + 64Ni28 + 262.426 MeV [57.999 MeV] (A_Pt:719)
194Pt78 + 12 D* --> 160Gd64 + 58Fe26 + 252.968 MeV [48.541 MeV] (A_Pt:720)
194Pt78 + 12 D* --> 164Dy66 + 54Cr24 + 245.771 MeV [41.344 MeV] (A_Pt:721)
194Pt78 + 12 D* --> 168Er68 + 50Ti22 + 237.289 MeV [32.862 MeV] (A_Pt:722)
194Pt78 + 12 D* --> 170Er68 + 48Ti22 + 231.468 MeV [27.041 MeV] (A_Pt:723)
194Pt78 + 12 D* --> 170Yb70 + 48Ca20 + 227.849 MeV [23.422 MeV] (A_Pt:724)
194Pt78 + 12 D* --> 172Yb70 + 46Ca20 + 225.261 MeV [20.834 MeV] (A_Pt:725)
194Pt78 + 12 D* --> 174Yb70 + 44Ca20 + 221.284 MeV [16.857 MeV] (A_Pt:726)
194Pt78 + 12 D* --> 176Yb70 + 42Ca20 + 214.907 MeV [10.480 MeV] (A_Pt:727)
194Pt78 + 12 D* --> 178Hf72 + 40Ar18 + 210.350 MeV [5.923 MeV] (A_Pt:728)
194Pt78 + 12 D* --> 180Hf72 + 38Ar18 + 207.368 MeV [2.942 MeV] (A_Pt:729)
194Pt78 + 12 D* --> 181Ta73 + 37Cl17 + 203.069 MeV [-1.358 MeV] (A_Pt:730)
194Pt78 + 12 D* --> 182W74 + 36S16 + 201.777 MeV [-2.650 MeV] (A_Pt:731)
194Pt78 + 12 D* --> 184W74 + 34S16 + 198.505 MeV [-5.922 MeV] (A_Pt:732)
194Pt78 + 12 D* --> 186W74 + 32S16 + 191.391 MeV [-13.036 MeV] (A_Pt:733)
194Pt78 + 12 D* --> 187Re75 + 31P15 + 188.522 MeV [-15.905 MeV] (A_Pt:734)
194Pt78 + 12 D* --> 188Os76 + 30Si14 + 188.435 MeV [-15.992 MeV] (A_Pt:735)
194Pt78 + 12 D* --> 189Os76 + 29Si14 + 183.746 MeV [-20.681 MeV] (A_Pt:736)
194Pt78 + 12 D* --> 190Os76 + 28Si14 + 183.065 MeV [-21.362 MeV] (A_Pt:737)
194Pt78 + 12 D* --> 191Ir77 + 27Al13 + 176.769 MeV [-27.658 MeV] (A_Pt:738)
194Pt78 + 12 D* --> 192Pt78 + 26Mg12 + 175.373 MeV [-29.054 MeV] (A_Pt:739)
194Pt78 + 12 D* --> 194Pt78 + 24Mg12 + 171.562 MeV [-32.865 MeV] (A_Pt:740)
194Pt78 + 12 D* --> 196Hg80 + 22Ne10 + 162.717 MeV [-41.710 MeV] (A_Pt:741)
194Pt78 + 12 D* --> 198Hg80 + 20Ne10 + 160.862 MeV [-43.565 MeV] (A_Pt:742)

195Pt78 + D* --> 186W74 + 11B5 + 14.180 MeV [-1.262 MeV] (A_Pt:743)
195Pt78 + D* --> 190Os76 + 7Li3 + 4.137 MeV [-11.306 MeV] (A_Pt:744)
195Pt78 + D* --> 193Ir77 + 4He2 + 12.448 MeV [-2.995 MeV] (A_Pt:745)
195Pt78 + D* --> 196Pt78 + 1H1 + 5.697 MeV [-9.745 MeV] (A_Pt:746)
195Pt78 + D* --> 197Au79 + 11.480 MeV [-3.963 MeV] (A_Pt:747)

195Pt78 + 2 D* --> 186W74 + 13C6 + 32.859 MeV [1.683 MeV] (A_Pt:748)
195Pt78 + 2 D* --> 190Os76 + 9Be4 + 20.833 MeV [-10.343 MeV] (A_Pt:749)
195Pt78 + 2 D* --> 193Ir77 + 6Li3 + 13.922 MeV [-17.255 MeV] (A_Pt:750)
195Pt78 + 2 D* --> 195Pt78 + 4He2 + 23.847 MeV [-7.330 MeV] (A_Pt:751)
195Pt78 + 2 D* --> 196Pt78 + 3He2 + 11.191 MeV [-19.986 MeV] (A_Pt:752)
195Pt78 + 2 D* --> 197Au79 + 2H1 + 11.480 MeV [-19.696 MeV] (A_Pt:753)
195Pt78 + 2 D* --> 199Hg80 + 23.022 MeV [-8.155 MeV] (A_Pt:754)

195Pt78 + 3 D* --> 186W74 + 15N7 + 49.018 MeV [1.820 MeV] (A_Pt:755)
195Pt78 + 3 D* --> 190Os76 + 11B5 + 36.649 MeV [-10.550 MeV] (A_Pt:756)
195Pt78 + 3 D* --> 194Pt78 + 7Li3 + 26.465 MeV [-20.734 MeV] (A_Pt:757)
195Pt78 + 3 D* --> 195Pt78 + 6Li3 + 25.320 MeV [-21.879 MeV] (A_Pt:758)
195Pt78 + 3 D* --> 197Au79 + 4He2 + 35.326 MeV [-11.872 MeV] (A_Pt:759)
195Pt78 + 3 D* --> 199Hg80 + 2H1 + 23.022 MeV [-24.177 MeV] (A_Pt:760)
195Pt78 + 3 D* --> 200Hg80 + 1H1 + 28.825 MeV [-18.373 MeV] (A_Pt:761)

195Pt78 + 4 D* --> 186W74 + 17O8 + 63.064 MeV [-0.444 MeV] (A_Pt:762)
195Pt78 + 4 D* --> 190Os76 + 13C6 + 55.327 MeV [-8.181 MeV] (A_Pt:763)
195Pt78 + 4 D* --> 193Ir77 + 10B5 + 42.229 MeV [-21.279 MeV] (A_Pt:764)
195Pt78 + 4 D* --> 194Pt78 + 9Be4 + 43.162 MeV [-20.347 MeV] (A_Pt:765)
195Pt78 + 4 D* --> 197Au79 + 6Li3 + 36.800 MeV [-26.708 MeV] (A_Pt:766)
195Pt78 + 4 D* --> 199Hg80 + 4He2 + 46.868 MeV [-16.640 MeV] (A_Pt:767)
195Pt78 + 4 D* --> 200Hg80 + 3He2 + 34.319 MeV [-29.190 MeV] (A_Pt:768)

195Pt78 + 5 D* --> 186W74 + 19F9 + 76.879 MeV [-3.225 MeV] (A_Pt:769)
195Pt78 + 5 D* --> 187Re75 + 18O8 + 74.879 MeV [-5.225 MeV] (A_Pt:770)
195Pt78 + 5 D* --> 190Os76 + 15N7 + 71.487 MeV [-8.617 MeV] (A_Pt:771)
195Pt78 + 5 D* --> 193Ir77 + 12C6 + 67.416 MeV [-12.688 MeV] (A_Pt:772)
195Pt78 + 5 D* --> 194Pt78 + 11B5 + 58.977 MeV [-21.127 MeV] (A_Pt:773)
195Pt78 + 5 D* --> 195Pt78 + 10B5 + 53.628 MeV [-26.476 MeV] (A_Pt:774)
195Pt78 + 5 D* --> 198Hg80 + 7Li3 + 48.928 MeV [-31.175 MeV] (A_Pt:775)
195Pt78 + 5 D* --> 199Hg80 + 6Li3 + 48.342 MeV [-31.762 MeV] (A_Pt:776)
195Pt78 + 5 D* --> 204Pb82 + 1H1 + 50.703 MeV [-29.401 MeV] (A_Pt:777)

195Pt78 + 6 D* --> 186W74 + 21Ne10 + 94.259 MeV [-2.723 MeV] (A_Pt:778)
195Pt78 + 6 D* --> 189Os76 + 18O8 + 85.784 MeV [-11.198 MeV] (A_Pt:779)
195Pt78 + 6 D* --> 190Os76 + 17O8 + 85.533 MeV [-11.450 MeV] (A_Pt:780)
195Pt78 + 6 D* --> 193Ir77 + 14N7 + 77.688 MeV [-19.294 MeV] (A_Pt:781)
195Pt78 + 6 D* --> 194Pt78 + 13C6 + 77.656 MeV [-19.327 MeV] (A_Pt:782)
195Pt78 + 6 D* --> 195Pt78 + 12C6 + 78.814 MeV [-18.168 MeV] (A_Pt:783)
195Pt78 + 6 D* --> 197Au79 + 10B5 + 65.108 MeV [-31.874 MeV] (A_Pt:784)
195Pt78 + 6 D* --> 198Hg80 + 9Be4 + 65.624 MeV [-31.358 MeV] (A_Pt:785)
195Pt78 + 6 D* --> 204Pb82 + 3He2 + 56.196 MeV [-40.786 MeV] (A_Pt:786)

195Pt78 + 7 D* --> 186W74 + 23Na11 + 111.193 MeV [-2.950 MeV] (A_Pt:787)
195Pt78 + 7 D* --> 187Re75 + 22Ne10 + 108.394 MeV [-5.749 MeV] (A_Pt:788)
195Pt78 + 7 D* --> 190Os76 + 19F9 + 99.347 MeV [-14.796 MeV] (A_Pt:789)
195Pt78 + 7 D* --> 191Ir77 + 18O8 + 96.641 MeV [-17.501 MeV] (A_Pt:790)
195Pt78 + 7 D* --> 193Ir77 + 16O8 + 98.424 MeV [-15.719 MeV] (A_Pt:791)
195Pt78 + 7 D* --> 194Pt78 + 15N7 + 93.815 MeV [-20.328 MeV] (A_Pt:792)
195Pt78 + 7 D* --> 195Pt78 + 14N7 + 89.087 MeV [-25.056 MeV] (A_Pt:793)
195Pt78 + 7 D* --> 197Au79 + 12C6 + 90.294 MeV [-23.848 MeV] (A_Pt:794)
195Pt78 + 7 D* --> 198Hg80 + 11B5 + 81.440 MeV [-32.703 MeV] (A_Pt:795)
195Pt78 + 7 D* --> 199Hg80 + 10B5 + 76.650 MeV [-37.493 MeV] (A_Pt:796)

195Pt78 + 8 D* --> 163Dy66 + 48Ca20 + 182.890 MeV [51.306 MeV] (A_Pt:797)
195Pt78 + 8 D* --> 186W74 + 25Mg12 + 127.991 MeV [-3.592 MeV] (A_Pt:798)
195Pt78 + 8 D* --> 189Os76 + 22Ne10 + 119.299 MeV [-12.284 MeV] (A_Pt:799)
195Pt78 + 8 D* --> 190Os76 + 21Ne10 + 116.727 MeV [-14.856 MeV] (A_Pt:800)
195Pt78 + 8 D* --> 194Pt78 + 17O8 + 107.861 MeV [-23.722 MeV] (A_Pt:801)
195Pt78 + 8 D* --> 195Pt78 + 16O8 + 109.823 MeV [-21.760 MeV] (A_Pt:802)
195Pt78 + 8 D* --> 197Au79 + 14N7 + 100.567 MeV [-31.017 MeV] (A_Pt:803)
195Pt78 + 8 D* --> 198Hg80 + 13C6 + 100.118 MeV [-31.465 MeV] (A_Pt:804)
195Pt78 + 8 D* --> 199Hg80 + 12C6 + 101.836 MeV [-29.747 MeV] (A_Pt:805)

195Pt78 + 9 D* --> 165Ho67 + 48Ca20 + 194.543 MeV [45.241 MeV] (A_Pt:806)
195Pt78 + 9 D* --> 176Yb70 + 37Cl17 + 170.680 MeV [21.378 MeV] (A_Pt:807)
195Pt78 + 9 D* --> 186W74 + 27Al13 + 145.131 MeV [-4.172 MeV] (A_Pt:808)
195Pt78 + 9 D* --> 187Re75 + 26Mg12 + 142.855 MeV [-6.447 MeV] (A_Pt:809)
195Pt78 + 9 D* --> 190Os76 + 23Na11 + 133.661 MeV [-15.642 MeV] (A_Pt:810)

195Pt78 + 9 D* --> 191Ir77 + 22Ne10 + 130.156 MeV [-19.147 MeV] (A_Pt:811)
195Pt78 + 9 D* --> 193Ir77 + 20Ne10 + 127.000 MeV [-22.302 MeV] (A_Pt:812)
195Pt78 + 9 D* --> 194Pt78 + 19F9 + 121.675 MeV [-27.627 MeV] (A_Pt:813)
195Pt78 + 9 D* --> 197Au79 + 16O8 + 121.303 MeV [-28.000 MeV] (A_Pt:814)
195Pt78 + 9 D* --> 198Hg80 + 15N7 + 116.278 MeV [-33.025 MeV] (A_Pt:815)
195Pt78 + 9 D* --> 199Hg80 + 14N7 + 112.108 MeV [-37.194 MeV] (A_Pt:816)

195Pt78 + 10 D* --> 167Er68 + 48Ca20 + 206.071 MeV [38.773 MeV] (A_Pt:817)
195Pt78 + 10 D* --> 179Hf72 + 36S16 + 179.696 MeV [12.398 MeV] (A_Pt:818)
195Pt78 + 10 D* --> 186W74 + 29Si14 + 162.965 MeV [-4.334 MeV] (A_Pt:819)
195Pt78 + 10 D* --> 189Os76 + 26Mg12 + 153.760 MeV [-13.538 MeV] (A_Pt:820)
195Pt78 + 10 D* --> 190Os76 + 25Mg12 + 150.460 MeV [-16.839 MeV] (A_Pt:821)
195Pt78 + 10 D* --> 194Pt78 + 21Ne10 + 139.055 MeV [-28.243 MeV] (A_Pt:822)
195Pt78 + 10 D* --> 195Pt78 + 20Ne10 + 138.399 MeV [-28.899 MeV] (A_Pt:823)
195Pt78 + 10 D* --> 198Hg80 + 17O8 + 130.324 MeV [-36.975 MeV] (A_Pt:824)
195Pt78 + 10 D* --> 199Hg80 + 16O8 + 132.844 MeV [-34.454 MeV] (A_Pt:825)

195Pt78 + 11 D* --> 130Te52 + 87Rb37 + 283.645 MeV [98.075 MeV] (A_Pt:826)
195Pt78 + 11 D* --> 136Xe54 + 81Br35 + 276.096 MeV [90.526 MeV] (A_Pt:827)
195Pt78 + 11 D* --> 169Tm69 + 48Ca20 + 217.190 MeV [31.620 MeV] (A_Pt:828)
195Pt78 + 11 D* --> 176Yb70 + 41K19 + 200.749 MeV [15.179 MeV] (A_Pt:829)
195Pt78 + 11 D* --> 180Hf72 + 37Cl17 + 193.246 MeV [7.676 MeV] (A_Pt:830)
195Pt78 + 11 D* --> 181Ta73 + 36S16 + 190.802 MeV [5.232 MeV] (A_Pt:831)
195Pt78 + 11 D* --> 186W74 + 31P15 + 178.647 MeV [-6.924 MeV] (A_Pt:832)
195Pt78 + 11 D* --> 187Re75 + 30Si14 + 177.345 MeV [-8.225 MeV] (A_Pt:833)
195Pt78 + 11 D* --> 190Os76 + 27Al13 + 167.599 MeV [-17.971 MeV] (A_Pt:834)
195Pt78 + 11 D* --> 191Ir77 + 26Mg12 + 164.617 MeV [-20.953 MeV] (A_Pt:835)
195Pt78 + 11 D* --> 193Ir77 + 24Mg12 + 160.163 MeV [-25.407 MeV] (A_Pt:836)
195Pt78 + 11 D* --> 194Pt78 + 23Na11 + 155.989 MeV [-29.581 MeV] (A_Pt:837)
195Pt78 + 11 D* --> 197Au79 + 20Ne10 + 149.879 MeV [-35.691 MeV] (A_Pt:838)
195Pt78 + 11 D* --> 198Hg80 + 19F9 + 144.138 MeV [-41.432 MeV] (A_Pt:839)

195Pt78 + 12 D* --> 136Xe54 + 83Kr36 + 291.239 MeV [87.123 MeV] (A_Pt:840)
195Pt78 + 12 D* --> 137Ba56 + 82Se34 + 290.147 MeV [86.032 MeV] (A_Pt:841)
195Pt78 + 12 D* --> 170Er68 + 49Ti22 + 233.505 MeV [29.390 MeV] (A_Pt:842)
195Pt78 + 12 D* --> 171Yb70 + 48Ca20 + 228.358 MeV [24.243 MeV] (A_Pt:843)
195Pt78 + 12 D* --> 173Yb70 + 46Ca20 + 225.523 MeV [21.408 MeV] (A_Pt:844)
195Pt78 + 12 D* --> 176Yb70 + 43Ca20 + 216.735 MeV [12.619 MeV] (A_Pt:845)
195Pt78 + 12 D* --> 179Hf72 + 40Ar18 + 210.344 MeV [6.228 MeV] (A_Pt:846)
195Pt78 + 12 D* --> 183W74 + 36S16 + 201.863 MeV [-2.252 MeV] (A_Pt:847)
195Pt78 + 12 D* --> 186W74 + 33S16 + 193.927 MeV [-10.188 MeV] (A_Pt:848)
195Pt78 + 12 D* --> 189Os76 + 30Si14 + 188.250 MeV [-15.865 MeV] (A_Pt:849)
195Pt78 + 12 D* --> 190Os76 + 29Si14 + 185.433 MeV [-18.682 MeV] (A_Pt:850)
195Pt78 + 12 D* --> 194Pt78 + 25Mg12 + 172.788 MeV [-31.328 MeV] (A_Pt:851)
195Pt78 + 12 D* --> 195Pt78 + 24Mg12 + 171.562 MeV [-32.553 MeV] (A_Pt:852)
195Pt78 + 12 D* --> 198Hg80 + 21Ne10 + 161.518 MeV [-42.597 MeV] (A_Pt:853)
195Pt78 + 12 D* --> 199Hg80 + 20Ne10 + 161.421 MeV [-42.695 MeV] (A_Pt:854)

196Pt78 + D* --> 192Os76 + 6Li3 + 2.282 MeV [-13.135 MeV] (A_Pt:855)

196Pt78 + 2 D* --> 193Ir77 + 7Li3 + 13.250 MeV [-17.875 MeV] (A_Pt:856)
196Pt78 + 2 D* --> 196Pt78 + 4He2 + 23.847 MeV [-7.278 MeV] (A_Pt:857)
196Pt78 + 2 D* --> 200Hg80 + 23.128 MeV [-7.996 MeV] (A_Pt:858)

196Pt78 + 3 D* --> 192Os76 + 10B5 + 30.589 MeV [-16.531 MeV] (A_Pt:859)
196Pt78 + 3 D* --> 193Ir77 + 9Be4 + 29.946 MeV [-17.175 MeV] (A_Pt:860)
196Pt78 + 3 D* --> 195Pt78 + 7Li3 + 24.648 MeV [-22.472 MeV] (A_Pt:861)
196Pt78 + 3 D* --> 196Pt78 + 6Li3 + 25.320 MeV [-21.800 MeV] (A_Pt:862)
196Pt78 + 3 D* --> 200Hg80 + 2H1 + 23.128 MeV [-23.993 MeV] (A_Pt:863)
196Pt78 + 3 D* --> 201Hg80 + 1H1 + 27.134 MeV [-19.987 MeV] (A_Pt:864)

196Pt78 + 4 D* --> 186W74 + 18O8 + 63.187 MeV [-0.218 MeV] (A_Pt:865)
196Pt78 + 4 D* --> 192Os76 + 12C6 + 55.776 MeV [-7.629 MeV] (A_Pt:866)
196Pt78 + 4 D* --> 193Ir77 + 11B5 + 45.761 MeV [-17.643 MeV] (A_Pt:867)
196Pt78 + 4 D* --> 195Pt78 + 9Be4 + 41.345 MeV [-22.060 MeV] (A_Pt:868)
196Pt78 + 4 D* --> 197Au79 + 7Li3 + 36.128 MeV [-27.276 MeV] (A_Pt:869)
196Pt78 + 4 D* --> 200Hg80 + 4He2 + 46.975 MeV [-16.430 MeV] (A_Pt:870)
196Pt78 + 4 D* --> 201Hg80 + 3He2 + 32.627 MeV [-30.777 MeV] (A_Pt:871)
196Pt78 + 4 D* --> 203Tl81 + 1H1 + 38.368 MeV [-25.037 MeV] (A_Pt:872)
196Pt78 + 4 D* --> 204Pb82 + 45.005 MeV [-18.399 MeV] (A_Pt:873)

196Pt78 + 5 D* --> 192Os76 + 14N7 + 66.048 MeV [-13.925 MeV] (A_Pt:874)
196Pt78 + 5 D* --> 193Ir77 + 13C6 + 64.440 MeV [-15.534 MeV] (A_Pt:875)
196Pt78 + 5 D* --> 195Pt78 + 11B5 + 57.160 MeV [-22.814 MeV] (A_Pt:876)
196Pt78 + 5 D* --> 196Pt78 + 10B5 + 53.628 MeV [-26.346 MeV] (A_Pt:877)
196Pt78 + 5 D* --> 197Au79 + 9Be4 + 52.825 MeV [-27.149 MeV] (A_Pt:878)
196Pt78 + 5 D* --> 199Hg80 + 7Li3 + 47.670 MeV [-32.304 MeV] (A_Pt:879)
196Pt78 + 5 D* --> 200Hg80 + 6Li3 + 48.449 MeV [-31.525 MeV] (A_Pt:880)
196Pt78 + 5 D* --> 203Tl81 + 3He2 + 43.861 MeV [-36.113 MeV] (A_Pt:881)
196Pt78 + 5 D* --> 204Pb82 + 2H1 + 45.005 MeV [-34.969 MeV] (A_Pt:882)

196Pt78 + 6 D* --> 160Gd64 + 48Ca20 + 158.330 MeV [61.503 MeV] (A_Pt:883)
196Pt78 + 6 D* --> 186W74 + 22Ne10 + 96.701 MeV [-0.125 MeV] (A_Pt:884)
196Pt78 + 6 D* --> 190Os76 + 18O8 + 85.655 MeV [-11.172 MeV] (A_Pt:885)
196Pt78 + 6 D* --> 192Os76 + 16O8 + 86.784 MeV [-10.042 MeV] (A_Pt:886)
196Pt78 + 6 D* --> 193Ir77 + 15N7 + 80.599 MeV [-16.227 MeV] (A_Pt:887)
196Pt78 + 6 D* --> 195Pt78 + 13C6 + 75.839 MeV [-20.988 MeV] (A_Pt:888)
196Pt78 + 6 D* --> 196Pt78 + 12C6 + 78.814 MeV [-18.012 MeV] (A_Pt:889)
196Pt78 + 6 D* --> 197Au79 + 11B5 + 68.640 MeV [-28.186 MeV] (A_Pt:890)
196Pt78 + 6 D* --> 199Hg80 + 9Be4 + 64.366 MeV [-32.460 MeV] (A_Pt:891)
196Pt78 + 6 D* --> 204Pb82 + 4He2 + 68.852 MeV [-27.975 MeV] (A_Pt:892)

196Pt78 + 7 D* --> 193Ir77 + 17O8 + 94.645 MeV [-19.316 MeV] (A_Pt:893)
196Pt78 + 7 D* --> 195Pt78 + 15N7 + 91.998 MeV [-21.963 MeV] (A_Pt:894)
196Pt78 + 7 D* --> 196Pt78 + 14N7 + 89.087 MeV [-24.874 MeV] (A_Pt:895)
196Pt78 + 7 D* --> 197Au79 + 13C6 + 87.319 MeV [-26.642 MeV] (A_Pt:896)
196Pt78 + 7 D* --> 199Hg80 + 11B5 + 80.182 MeV [-33.779 MeV] (A_Pt:897)
196Pt78 + 7 D* --> 200Hg80 + 10B5 + 76.756 MeV [-37.205 MeV] (A_Pt:898)
196Pt78 + 7 D* --> 204Pb82 + 6Li3 + 70.326 MeV [-43.636 MeV] (A_Pt:899)

196Pt78 + 8 D* --> 130Te52 + 82Se34 + 237.384 MeV [106.008 MeV] (A_Pt:900)
196Pt78 + 8 D* --> 136Xe54 + 76Ge32 + 232.077 MeV [100.700 MeV] (A_Pt:901)
196Pt78 + 8 D* --> 164Dy66 + 48Ca20 + 182.626 MeV [51.250 MeV] (A_Pt:902)
196Pt78 + 8 D* --> 176Yb70 + 36S16 + 156.597 MeV [25.221 MeV] (A_Pt:903)
196Pt78 + 8 D* --> 186W74 + 26Mg12 + 131.162 MeV [-0.214 MeV] (A_Pt:904)
196Pt78 + 8 D* --> 190Os76 + 22Ne10 + 119.169 MeV [-12.207 MeV] (A_Pt:905)
196Pt78 + 8 D* --> 192Os76 + 20Ne10 + 115.361 MeV [-16.015 MeV] (A_Pt:906)
196Pt78 + 8 D* --> 193Ir77 + 19F9 + 108.460 MeV [-22.916 MeV] (A_Pt:907)

196Pt78 + 8 D* --> 194Pt78 + 18O8 + 107.983 MeV [-23.393 MeV] (A_Pt:908)
196Pt78 + 8 D* --> 195Pt78 + 17O8 + 106.044 MeV [-25.332 MeV] (A_Pt:909)
196Pt78 + 8 D* --> 196Pt78 + 16O8 + 109.823 MeV [-21.553 MeV] (A_Pt:910)
196Pt78 + 8 D* --> 197Au79 + 15N7 + 103.478 MeV [-27.898 MeV] (A_Pt:911)
196Pt78 + 8 D* --> 199Hg80 + 13C6 + 98.860 MeV [-32.516 MeV] (A_Pt:912)
196Pt78 + 8 D* --> 200Hg80 + 12C6 + 101.942 MeV [-29.434 MeV] (A_Pt:913)

196Pt78 + 9 D* --> 193Ir77 + 21Ne10 + 125.840 MeV [-23.230 MeV] (A_Pt:914)
196Pt78 + 9 D* --> 195Pt78 + 19F9 + 119.858 MeV [-29.211 MeV] (A_Pt:915)
196Pt78 + 9 D* --> 197Au79 + 17O8 + 117.524 MeV [-31.546 MeV] (A_Pt:916)
196Pt78 + 9 D* --> 199Hg80 + 15N7 + 115.020 MeV [-34.050 MeV] (A_Pt:917)
196Pt78 + 9 D* --> 200Hg80 + 14N7 + 112.215 MeV [-36.855 MeV] (A_Pt:918)
196Pt78 + 9 D* --> 204Pb82 + 10B5 + 98.633 MeV [-50.436 MeV] (A_Pt:919)

196Pt78 + 10 D* --> 130Te52 + 86Kr36 + 269.327 MeV [102.287 MeV] (A_Pt:920)
196Pt78 + 10 D* --> 134Xe54 + 82Se34 + 264.428 MeV [97.388 MeV] (A_Pt:921)
196Pt78 + 10 D* --> 136Xe54 + 80Se34 + 262.895 MeV [95.855 MeV] (A_Pt:922)
196Pt78 + 10 D* --> 168Er68 + 48Ca20 + 205.921 MeV [38.881 MeV] (A_Pt:923)
196Pt78 + 10 D* --> 170Er68 + 46Ca20 + 201.959 MeV [34.919 MeV] (A_Pt:924)
196Pt78 + 10 D* --> 176Yb70 + 40Ar18 + 187.244 MeV [20.204 MeV] (A_Pt:925)
196Pt78 + 10 D* --> 180Hf72 + 36S16 + 179.162 MeV [12.122 MeV] (A_Pt:926)
196Pt78 + 10 D* --> 186W74 + 30Si14 + 165.652 MeV [-1.388 MeV] (A_Pt:927)
196Pt78 + 10 D* --> 190Os76 + 26Mg12 + 153.631 MeV [-13.409 MeV] (A_Pt:928)
196Pt78 + 10 D* --> 192Os76 + 24Mg12 + 148.524 MeV [-18.516 MeV] (A_Pt:929)
196Pt78 + 10 D* --> 193Ir77 + 23Na11 + 142.773 MeV [-24.267 MeV] (A_Pt:930)
196Pt78 + 10 D* --> 194Pt78 + 22Ne10 + 141.498 MeV [-25.542 MeV] (A_Pt:931)
196Pt78 + 10 D* --> 195Pt78 + 21Ne10 + 137.238 MeV [-29.802 MeV] (A_Pt:932)
196Pt78 + 10 D* --> 196Pt78 + 20Ne10 + 138.399 MeV [-28.641 MeV] (A_Pt:933)
196Pt78 + 10 D* --> 197Au79 + 19F9 + 131.338 MeV [-35.702 MeV] (A_Pt:934)
196Pt78 + 10 D* --> 198Hg80 + 18O8 + 130.446 MeV [-36.594 MeV] (A_Pt:935)
196Pt78 + 10 D* --> 199Hg80 + 17O8 + 129.066 MeV [-37.974 MeV] (A_Pt:936)
196Pt78 + 10 D* --> 200Hg80 + 16O8 + 132.951 MeV [-34.089 MeV] (A_Pt:937)
196Pt78 + 10 D* --> 204Pb82 + 12C6 + 123.820 MeV [-43.220 MeV] (A_Pt:938)

196Pt78 + 11 D* --> 193Ir77 + 25Mg12 + 159.572 MeV [-25.714 MeV] (A_Pt:939)
196Pt78 + 11 D* --> 195Pt78 + 23Na11 + 154.172 MeV [-31.114 MeV] (A_Pt:940)
196Pt78 + 11 D* --> 197Au79 + 21Ne10 + 148.718 MeV [-36.568 MeV] (A_Pt:941)
196Pt78 + 11 D* --> 199Hg80 + 19F9 + 142.880 MeV [-42.406 MeV] (A_Pt:942)
196Pt78 + 11 D* --> 204Pb82 + 14N7 + 134.092 MeV [-51.194 MeV] (A_Pt:943)

196Pt78 + 12 D* --> 124Sn50 + 96Zr40 + 298.661 MeV [94.855 MeV] (A_Pt:944)
196Pt78 + 12 D* --> 134Xe54 + 86Kr36 + 296.371 MeV [92.566 MeV] (A_Pt:945)
196Pt78 + 12 D* --> 136Xe54 + 84Kr36 + 293.837 MeV [90.032 MeV] (A_Pt:946)
196Pt78 + 12 D* --> 138Ba56 + 82Se34 + 290.837 MeV [87.031 MeV] (A_Pt:947)
196Pt78 + 12 D* --> 150Nd60 + 70Zn30 + 268.236 MeV [64.430 MeV] (A_Pt:948)
196Pt78 + 12 D* --> 170Er68 + 50Ti22 + 236.522 MeV [32.717 MeV] (A_Pt:949)
196Pt78 + 12 D* --> 172Yb70 + 48Ca20 + 228.456 MeV [24.650 MeV] (A_Pt:950)
196Pt78 + 12 D* --> 174Yb70 + 46Ca20 + 225.066 MeV [21.260 MeV] (A_Pt:951)
196Pt78 + 12 D* --> 176Yb70 + 44Ca20 + 219.944 MeV [16.138 MeV] (A_Pt:952)
196Pt78 + 12 D* --> 180Hf72 + 40Ar18 + 209.810 MeV [6.004 MeV] (A_Pt:953)
196Pt78 + 12 D* --> 184W74 + 36S16 + 201.353 MeV [-2.453 MeV] (A_Pt:954)
196Pt78 + 12 D* --> 186W74 + 34S16 + 197.423 MeV [-6.383 MeV] (A_Pt:955)
196Pt78 + 12 D* --> 190Os76 + 30Si14 + 188.120 MeV [-15.685 MeV] (A_Pt:956)
196Pt78 + 12 D* --> 192Os76 + 28Si14 + 182.355 MeV [-21.451 MeV] (A_Pt:957)

196Pt78 + 12 D* --> 193Ir77 + 27Al13 + 176.712 MeV [-27.094 MeV] (A_Pt:958)
196Pt78 + 12 D* --> 194Pt78 + 26Mg12 + 175.959 MeV [-27.847 MeV] (A_Pt:959)
196Pt78 + 12 D* --> 195Pt78 + 25Mg12 + 170.971 MeV [-32.835 MeV] (A_Pt:960)
196Pt78 + 12 D* --> 196Pt78 + 24Mg12 + 171.562 MeV [-32.243 MeV] (A_Pt:961)
196Pt78 + 12 D* --> 197Au79 + 23Na11 + 165.652 MeV [-38.153 MeV] (A_Pt:962)
196Pt78 + 12 D* --> 198Hg80 + 22Ne10 + 163.960 MeV [-39.845 MeV] (A_Pt:963)
196Pt78 + 12 D* --> 199Hg80 + 21Ne10 + 160.260 MeV [-43.546 MeV] (A_Pt:964)
196Pt78 + 12 D* --> 200Hg80 + 20Ne10 + 161.527 MeV [-42.278 MeV] (A_Pt:965)
196Pt78 + 12 D* --> 204Pb82 + 16O8 + 154.828 MeV [-48.978 MeV] (A_Pt:966)

198Pt78 + 2 D* --> 198Pt78 + 4He2 + 23.847 MeV [-7.175 MeV] (A_Pt:967)
198Pt78 + 2 D* --> 202Hg80 + 23.710 MeV [-7.312 MeV] (A_Pt:968)

198Pt78 + 3 D* --> 198Pt78 + 6Li3 + 25.320 MeV [-21.646 MeV] (A_Pt:969)
198Pt78 + 3 D* --> 202Hg80 + 2H1 + 23.710 MeV [-23.257 MeV] (A_Pt:970)

198Pt78 + 4 D* --> 202Hg80 + 4He2 + 47.556 MeV [-15.643 MeV] (A_Pt:971)
198Pt78 + 4 D* --> 205Tl81 + 1H1 + 39.167 MeV [-24.032 MeV] (A_Pt:972)
198Pt78 + 4 D* --> 206Pb82 + 46.421 MeV [-16.778 MeV] (A_Pt:973)

198Pt78 + 5 D* --> 198Pt78 + 10B5 + 53.628 MeV [-26.089 MeV] (A_Pt:974)
198Pt78 + 5 D* --> 201Hg80 + 7Li3 + 48.526 MeV [-31.191 MeV] (A_Pt:975)
198Pt78 + 5 D* --> 202Hg80 + 6Li3 + 49.030 MeV [-30.687 MeV] (A_Pt:976)
198Pt78 + 5 D* --> 205Tl81 + 3He2 + 44.660 MeV [-35.056 MeV] (A_Pt:977)
198Pt78 + 5 D* --> 206Pb82 + 2H1 + 46.421 MeV [-33.296 MeV] (A_Pt:978)
198Pt78 + 5 D* --> 207Pb82 + 1H1 + 50.934 MeV [-28.783 MeV] (A_Pt:979)

198Pt78 + 6 D* --> 192Os76 + 18O8 + 85.569 MeV [-10.949 MeV] (A_Pt:980)
198Pt78 + 6 D* --> 198Pt78 + 12C6 + 78.814 MeV [-17.704 MeV] (A_Pt:981)
198Pt78 + 6 D* --> 201Hg80 + 9Be4 + 65.222 MeV [-31.296 MeV] (A_Pt:982)
198Pt78 + 6 D* --> 203Tl81 + 7Li3 + 59.760 MeV [-36.758 MeV] (A_Pt:983)
198Pt78 + 6 D* --> 206Pb82 + 4He2 + 70.267 MeV [-26.251 MeV] (A_Pt:984)
198Pt78 + 6 D* --> 207Pb82 + 3He2 + 56.427 MeV [-40.091 MeV] (A_Pt:985)
198Pt78 + 6 D* --> 209Bi83 + 1H1 + 59.876 MeV [-36.642 MeV] (A_Pt:986)

198Pt78 + 7 D* --> 198Pt78 + 14N7 + 89.087 MeV [-24.515 MeV] (A_Pt:987)
198Pt78 + 7 D* --> 201Hg80 + 11B5 + 81.038 MeV [-32.564 MeV] (A_Pt:988)
198Pt78 + 7 D* --> 202Hg80 + 10B5 + 77.338 MeV [-36.264 MeV] (A_Pt:989)
198Pt78 + 7 D* --> 203Tl81 + 9Be4 + 76.456 MeV [-37.146 MeV] (A_Pt:990)
198Pt78 + 7 D* --> 206Pb82 + 6Li3 + 71.741 MeV [-41.861 MeV] (A_Pt:991)
198Pt78 + 7 D* --> 209Bi83 + 3He2 + 65.370 MeV [-48.232 MeV] (A_Pt:992)

198Pt78 + 8 D* --> 192Os76 + 22Ne10 + 119.083 MeV [-11.882 MeV] (A_Pt:993)
198Pt78 + 8 D* --> 196Pt78 + 18O8 + 108.607 MeV [-22.358 MeV] (A_Pt:994)
198Pt78 + 8 D* --> 198Pt78 + 16O8 + 109.823 MeV [-21.143 MeV] (A_Pt:995)
198Pt78 + 8 D* --> 201Hg80 + 13C6 + 99.716 MeV [-31.249 MeV] (A_Pt:996)
198Pt78 + 8 D* --> 202Hg80 + 12C6 + 102.524 MeV [-28.442 MeV] (A_Pt:997)
198Pt78 + 8 D* --> 203Tl81 + 11B5 + 92.271 MeV [-38.694 MeV] (A_Pt:998)

198Pt78 + 9 D* --> 201Hg80 + 15N7 + 115.876 MeV [-32.732 MeV] (A_Pt:999)
198Pt78 + 9 D* --> 202Hg80 + 14N7 + 112.796 MeV [-35.812 MeV] (A_Pt:1000)
198Pt78 + 9 D* --> 203Tl81 + 13C6 + 110.950 MeV [-37.658 MeV]

(A_Pt:1001)
198Pt78 + 9 D* --> 206Pb82 + 10B5 + 100.049 MeV [-48.559 MeV]
(A_Pt:1002)

198Pt78 + 10 D* --> 136Xe54 + 82Se34 + 265.469 MeV [98.941 MeV]
(A_Pt:1003)
198Pt78 + 10 D* --> 170Er68 + 48Ca20 + 205.778 MeV [39.251 MeV]
(A_Pt:1004)
198Pt78 + 10 D* --> 192Os76 + 26Mg12 + 153.545 MeV [-12.983 MeV]
(A_Pt:1005)
198Pt78 + 10 D* --> 196Pt78 + 22Ne10 + 142.122 MeV [-24.406 MeV]
(A_Pt:1006)
198Pt78 + 10 D* --> 198Pt78 + 20Ne10 + 138.399 MeV [-28.128 MeV]
(A_Pt:1007)
198Pt78 + 10 D* --> 200Hg80 + 18O8 + 131.735 MeV [-34.792 MeV]
(A_Pt:1008)
198Pt78 + 10 D* --> 201Hg80 + 17O8 + 129.922 MeV [-36.606 MeV]
(A_Pt:1009)
198Pt78 + 10 D* --> 202Hg80 + 16O8 + 133.532 MeV [-32.995 MeV]
(A_Pt:1010)
198Pt78 + 10 D* --> 203Tl81 + 15N7 + 127.109 MeV [-39.418 MeV]
(A_Pt:1011)
198Pt78 + 10 D* --> 206Pb82 + 12C6 + 125.235 MeV [-41.293 MeV]
(A_Pt:1012)

198Pt78 + 11 D* --> 201Hg80 + 19F9 + 143.736 MeV [-40.987 MeV]
(A_Pt:1013)
198Pt78 + 11 D* --> 203Tl81 + 17O8 + 141.155 MeV [-43.567 MeV]
(A_Pt:1014)
198Pt78 + 11 D* --> 206Pb82 + 14N7 + 135.507 MeV [-49.215 MeV]
(A_Pt:1015)

198Pt78 + 12 D* --> 136Xe54 + 86Kr36 + 297.412 MeV [94.220 MeV]
(A_Pt:1016)
198Pt78 + 12 D* --> 174Yb70 + 48Ca20 + 228.885 MeV [25.693 MeV]
(A_Pt:1017)
198Pt78 + 12 D* --> 176Yb70 + 46Ca20 + 224.350 MeV [21.158 MeV]
(A_Pt:1018)
198Pt78 + 12 D* --> 186W74 + 36S16 + 200.895 MeV [-2.297 MeV]
(A_Pt:1019)
198Pt78 + 12 D* --> 192Os76 + 30Si14 + 188.034 MeV [-15.157 MeV]
(A_Pt:1020)
198Pt78 + 12 D* --> 196Pt78 + 26Mg12 + 176.583 MeV [-26.609 MeV]
(A_Pt:1021)
198Pt78 + 12 D* --> 198Pt78 + 24Mg12 + 171.562 MeV [-31.630 MeV]
(A_Pt:1022)
198Pt78 + 12 D* --> 200Hg80 + 22Ne10 + 165.250 MeV [-37.942 MeV]
(A_Pt:1023)
198Pt78 + 12 D* --> 201Hg80 + 21Ne10 + 161.116 MeV [-42.076 MeV]
(A_Pt:1024)
198Pt78 + 12 D* --> 202Hg80 + 20Ne10 + 162.109 MeV [-41.083 MeV]
(A_Pt:1025)
198Pt78 + 12 D* --> 203Tl81 + 19F9 + 154.970 MeV [-48.222 MeV]
(A_Pt:1026)

198Pt78 + 12 D* --> 204Pb82 + 18O8 + 153.612 MeV [-49.580 MeV]
(A_Pt:1027)
198Pt78 + 12 D* --> 206Pb82 + 16O8 + 156.243 MeV [-46.948 MeV]
(A_Pt:1028)

---------- Equations follow for Gold, Au, element 79 ----------

197Au79 + D* --> 186W74 + 13C6 + 21.379 MeV [5.791 MeV] (A_Au:1)
197Au79 + D* --> 190Os76 + 9Be4 + 9.353 MeV [-6.235 MeV] (A_Au:2)
197Au79 + D* --> 193Ir77 + 6Li3 + 2.442 MeV [-13.147 MeV] (A_Au:3)
197Au79 + D* --> 195Pt78 + 4He2 + 12.367 MeV [-3.222 MeV] (A_Au:4)
197Au79 + D* --> 199Hg80 + 11.542 MeV [-4.046 MeV] (A_Au:5)

197Au79 + 2 D* --> 186W74 + 15N7 + 37.538 MeV [6.073 MeV] (A_Au:6)
197Au79 + 2 D* --> 190Os76 + 11B5 + 25.169 MeV [-6.297 MeV] (A_Au:7)
197Au79 + 2 D* --> 194Pt78 + 7Li3 + 14.985 MeV [-16.481 MeV] (A_Au:8)
197Au79 + 2 D* --> 195Pt78 + 6Li3 + 13.840 MeV [-17.626 MeV] (A_Au:9)
197Au79 + 2 D* --> 197Au79 + 4He2 + 23.847 MeV [-7.619 MeV] (A_Au:10)
197Au79 + 2 D* --> 199Hg80 + 2H1 + 11.542 MeV [-19.924 MeV] (A_Au:11)
197Au79 + 2 D* --> 200Hg80 + 1H1 + 17.346 MeV [-14.120 MeV] (A_Au:12)

197Au79 + 3 D* --> 186W74 + 17O8 + 51.584 MeV [3.953 MeV] (A_Au:13)
197Au79 + 3 D* --> 190Os76 + 13C6 + 43.847 MeV [-3.784 MeV] (A_Au:14)
197Au79 + 3 D* --> 193Ir77 + 10B5 + 30.749 MeV [-16.882 MeV] (A_Au:15)
197Au79 + 3 D* --> 194Pt78 + 9Be4 + 31.682 MeV [-15.950 MeV] (A_Au:16)
197Au79 + 3 D* --> 197Au79 + 6Li3 + 25.320 MeV [-22.311 MeV] (A_Au:17)
197Au79 + 3 D* --> 199Hg80 + 4He2 + 35.388 MeV [-12.243 MeV] (A_Au:18)
197Au79 + 3 D* --> 200Hg80 + 3He2 + 22.839 MeV [-24.792 MeV] (A_Au:19)

197Au79 + 4 D* --> 186W74 + 19F9 + 65.399 MeV [1.316 MeV] (A_Au:20)
197Au79 + 4 D* --> 187Re75 + 18O8 + 63.399 MeV [-0.684 MeV] (A_Au:21)
197Au79 + 4 D* --> 190Os76 + 15N7 + 60.007 MeV [-4.076 MeV] (A_Au:22)
197Au79 + 4 D* --> 193Ir77 + 12C6 + 55.936 MeV [-8.147 MeV] (A_Au:23)
197Au79 + 4 D* --> 194Pt78 + 11B5 + 47.497 MeV [-16.586 MeV] (A_Au:24)
197Au79 + 4 D* --> 195Pt78 + 10B5 + 42.148 MeV [-21.935 MeV] (A_Au:25)
197Au79 + 4 D* --> 198Hg80 + 7Li3 + 37.448 MeV [-26.635 MeV] (A_Au:26)
197Au79 + 4 D* --> 199Hg80 + 6Li3 + 36.862 MeV [-27.221 MeV] (A_Au:27)
197Au79 + 4 D* --> 204Pb82 + 1H1 + 39.223 MeV [-24.860 MeV] (A_Au:28)

197Au79 + 5 D* --> 186W74 + 21Ne10 + 82.779 MeV [1.960 MeV] (A_Au:29)
197Au79 + 5 D* --> 189Os76 + 18O8 + 74.304 MeV [-6.514 MeV] (A_Au:30)
197Au79 + 5 D* --> 190Os76 + 17O8 + 74.053 MeV [-6.766 MeV] (A_Au:31)
197Au79 + 5 D* --> 193Ir77 + 14N7 + 66.208 MeV [-14.611 MeV] (A_Au:32)
197Au79 + 5 D* --> 194Pt78 + 13C6 + 66.176 MeV [-14.643 MeV] (A_Au:33)
197Au79 + 5 D* --> 195Pt78 + 12C6 + 67.334 MeV [-13.484 MeV] (A_Au:34)
197Au79 + 5 D* --> 197Au79 + 10B5 + 53.628 MeV [-27.191 MeV] (A_Au:35)
197Au79 + 5 D* --> 198Hg80 + 9Be4 + 54.144 MeV [-26.674 MeV] (A_Au:36)
197Au79 + 5 D* --> 204Pb82 + 3He2 + 44.716 MeV [-36.102 MeV] (A_Au:37)

197Au79 + 6 D* --> 186W74 + 23Na11 + 99.713 MeV [1.876 MeV] (A_Au:38)
197Au79 + 6 D* --> 187Re75 + 22Ne10 + 96.914 MeV [-0.923 MeV] (A_Au:39)
197Au79 + 6 D* --> 190Os76 + 19F9 + 87.867 MeV [-9.970 MeV] (A_Au:40)
197Au79 + 6 D* --> 191Ir77 + 18O8 + 85.161 MeV [-12.675 MeV] (A_Au:41)
197Au79 + 6 D* --> 193Ir77 + 16O8 + 86.944 MeV [-10.892 MeV] (A_Au:42)

197Au79 + 6 D* --> 194Pt78 + 15N7 + 82.335 MeV [-15.502 MeV] (A_Au:43)
197Au79 + 6 D* --> 195Pt78 + 14N7 + 77.607 MeV [-20.230 MeV] (A_Au:44)
197Au79 + 6 D* --> 197Au79 + 12C6 + 78.814 MeV [-19.022 MeV] (A_Au:45)
197Au79 + 6 D* --> 198Hg80 + 11B5 + 69.960 MeV [-27.877 MeV] (A_Au:46)
197Au79 + 6 D* --> 199Hg80 + 10B5 + 65.170 MeV [-32.667 MeV] (A_Au:47)

197Au79 + 7 D* --> 163Dy66 + 48Ca20 + 171.410 MeV [56.274 MeV] (A_Au:48)
197Au79 + 7 D* --> 186W74 + 25Mg12 + 116.511 MeV [1.376 MeV] (A_Au:49)
197Au79 + 7 D* --> 189Os76 + 22Ne10 + 107.819 MeV [-7.316 MeV] (A_Au:50)
197Au79 + 7 D* --> 190Os76 + 21Ne10 + 105.247 MeV [-9.888 MeV] (A_Au:51)
197Au79 + 7 D* --> 194Pt78 + 17O8 + 96.381 MeV [-18.754 MeV] (A_Au:52)
197Au79 + 7 D* --> 195Pt78 + 16O8 + 98.343 MeV [-16.793 MeV] (A_Au:53)
197Au79 + 7 D* --> 197Au79 + 14N7 + 89.087 MeV [-26.049 MeV] (A_Au:54)
197Au79 + 7 D* --> 198Hg80 + 13C6 + 88.638 MeV [-26.497 MeV] (A_Au:55)
197Au79 + 7 D* --> 199Hg80 + 12C6 + 90.356 MeV [-24.779 MeV] (A_Au:56)

197Au79 + 8 D* --> 165Ho67 + 48Ca20 + 183.063 MeV [50.350 MeV] (A_Au:57)
197Au79 + 8 D* --> 176Yb70 + 37Cl17 + 159.200 MeV [26.487 MeV] (A_Au:58)
197Au79 + 8 D* --> 186W74 + 27Al13 + 133.651 MeV [00.938 MeV] (A_Au:59)
197Au79 + 8 D* --> 187Re75 + 26Mg12 + 131.375 MeV [-1.338 MeV] (A_Au:60)
197Au79 + 8 D* --> 190Os76 + 23Na11 + 122.181 MeV [-10.532 MeV] (A_Au:61)
197Au79 + 8 D* --> 191Ir77 + 22Ne10 + 118.676 MeV [-14.037 MeV] (A_Au:62)
197Au79 + 8 D* --> 193Ir77 + 20Ne10 + 115.520 MeV [-17.193 MeV] (A_Au:63)
197Au79 + 8 D* --> 194Pt78 + 19F9 + 110.195 MeV [-22.518 MeV] (A_Au:64)
197Au79 + 8 D* --> 197Au79 + 16O8 + 109.823 MeV [-22.891 MeV] (A_Au:65)
197Au79 + 8 D* --> 198Hg80 + 15N7 + 104.798 MeV [-27.916 MeV] (A_Au:66)
197Au79 + 8 D* --> 199Hg80 + 14N7 + 100.628 MeV [-32.085 MeV] (A_Au:67)

197Au79 + 9 D* --> 167Er68 + 48Ca20 + 194.591 MeV [44.023 MeV] (A_Au:68)
197Au79 + 9 D* --> 179Hf72 + 36S16 + 168.216 MeV [17.648 MeV] (A_Au:69)
197Au79 + 9 D* --> 186W74 + 29Si14 + 151.485 MeV [00.916 MeV] (A_Au:70)
197Au79 + 9 D* --> 189Os76 + 26Mg12 + 142.280 MeV [-8.288 MeV] (A_Au:71)
197Au79 + 9 D* --> 190Os76 + 25Mg12 + 138.980 MeV [-11.589 MeV] (A_Au:72)
197Au79 + 9 D* --> 194Pt78 + 21Ne10 + 127.575 MeV [-22.993 MeV] (A_Au:73)
197Au79 + 9 D* --> 195Pt78 + 20Ne10 + 126.919 MeV [-23.650 MeV] (A_Au:74)
197Au79 + 9 D* --> 198Hg80 + 17O8 + 118.844 MeV [-31.725 MeV] (A_Au:75)
197Au79 + 9 D* --> 199Hg80 + 16O8 + 121.364 MeV [-29.204 MeV] (A_Au:76)

197Au79 + 10 D* --> 130Te52 + 87Rb37 + 272.165 MeV [103.465 MeV] (A_Au:77)
197Au79 + 10 D* --> 136Xe54 + 81Br35 + 264.616 MeV [95.916 MeV] (A_Au:78)
197Au79 + 10 D* --> 169Tm69 + 48Ca20 + 205.710 MeV [37.010 MeV] (A_Au:79)
197Au79 + 10 D* --> 176Yb70 + 41K19 + 189.269 MeV [20.569 MeV] (A_Au:80)
197Au79 + 10 D* --> 180Hf72 + 37Cl17 + 181.766 MeV [13.066 MeV] (A_Au:81)
197Au79 + 10 D* --> 181Ta73 + 36S16 + 179.322 MeV [10.622 MeV] (A_Au:82)
197Au79 + 10 D* --> 186W74 + 31P15 + 167.167 MeV [-1.534 MeV] (A_Au:83)
197Au79 + 10 D* --> 187Re75 + 30Si14 + 165.865 MeV [-2.835 MeV] (A_Au:84)
197Au79 + 10 D* --> 190Os76 + 27Al13 + 156.119 MeV [-12.581 MeV] (A_Au:85)
197Au79 + 10 D* --> 191Ir77 + 26Mg12 + 153.137 MeV [-15.563 MeV] (A_Au:86)
197Au79 + 10 D* --> 193Ir77 + 24Mg12 + 148.684 MeV [-20.017 MeV] (A_Au:87)
197Au79 + 10 D* --> 194Pt78 + 23Na11 + 144.509 MeV [-24.191 MeV] (A_Au:88)
197Au79 + 10 D* --> 197Au79 + 20Ne10 + 138.399 MeV [-30.301 MeV] (A_Au:89)
197Au79 + 10 D* --> 198Hg80 + 19F9 + 132.658 MeV [-36.042 MeV] (A_Au:90)

197Au79 + 11 D* --> 136Xe54 + 83Kr36 + 279.759 MeV [92.653 MeV] (A_Au:91)

197Au79 + 11 D* --> 137Ba56 + 82Se34 + 278.667 MeV [91.561 MeV] (A_Au:92)
197Au79 + 11 D* --> 170Er68 + 49Ti22 + 222.025 MeV [34.920 MeV] (A_Au:93)
197Au79 + 11 D* --> 171Yb70 + 48Ca20 + 216.878 MeV [29.772 MeV] (A_Au:94)
197Au79 + 11 D* --> 173Yb70 + 46Ca20 + 214.043 MeV [26.937 MeV] (A_Au:95)
197Au79 + 11 D* --> 176Yb70 + 43Ca20 + 205.255 MeV [18.149 MeV] (A_Au:96)
197Au79 + 11 D* --> 179Hf72 + 40Ar18 + 198.864 MeV [11.758 MeV] (A_Au:97)
197Au79 + 11 D* --> 183W74 + 36S16 + 190.383 MeV [3.277 MeV] (A_Au:98)
197Au79 + 11 D* --> 186W74 + 33S16 + 182.447 MeV [-4.658 MeV] (A_Au:99)
197Au79 + 11 D* --> 189Os76 + 30Si14 + 176.770 MeV [-10.336 MeV] (A_Au:100)
197Au79 + 11 D* --> 190Os76 + 29Si14 + 173.953 MeV [-13.153 MeV] (A_Au:101)
197Au79 + 11 D* --> 194Pt78 + 25Mg12 + 161.308 MeV [-25.798 MeV] (A_Au:102)
197Au79 + 11 D* --> 195Pt78 + 24Mg12 + 160.082 MeV [-27.023 MeV] (A_Au:103)
197Au79 + 11 D* --> 198Hg80 + 21Ne10 + 150.038 MeV [-37.068 MeV] (A_Au:104)
197Au79 + 11 D* --> 199Hg80 + 20Ne10 + 149.941 MeV [-37.165 MeV] (A_Au:105)

197Au79 + 12 D* --> 134Xe54 + 87Rb37 + 299.210 MeV [93.426 MeV] (A_Au:106)
197Au79 + 12 D* --> 136Xe54 + 85Rb37 + 295.080 MeV [89.296 MeV] (A_Au:107)
197Au79 + 12 D* --> 139La57 + 82Se34 + 291.313 MeV [85.529 MeV] (A_Au:108)
197Au79 + 12 D* --> 150Nd60 + 71Ga31 + 270.317 MeV [64.533 MeV] (A_Au:109)
197Au79 + 12 D* --> 170Er68 + 51V23 + 238.804 MeV [33.019 MeV] (A_Au:110)
197Au79 + 12 D* --> 176Yb70 + 45Sc21 + 221.049 MeV [15.265 MeV] (A_Au:111)
197Au79 + 12 D* --> 175Lu71 + 46Ca20 + 224.793 MeV [19.009 MeV] (A_Au:112)
197Au79 + 12 D* --> 180Hf72 + 41K19 + 211.835 MeV [6.051 MeV] (A_Au:113)
197Au79 + 12 D* --> 181Ta73 + 40Ar18 + 209.969 MeV [4.185 MeV] (A_Au:114)
197Au79 + 12 D* --> 184W74 + 37Cl17 + 203.956 MeV [-1.828 MeV] (A_Au:115)
197Au79 + 12 D* --> 186W74 + 35Cl17 + 198.011 MeV [-7.774 MeV] (A_Au:116)
197Au79 + 12 D* --> 185Re75 + 36S16 + 200.974 MeV [-4.810 MeV] (A_Au:117)
197Au79 + 12 D* --> 187Re75 + 34S16 + 197.635 MeV [-8.149 MeV] (A_Au:118)
197Au79 + 12 D* --> 190Os76 + 31P15 + 189.635 MeV [-16.149 MeV] (A_Au:119)
197Au79 + 12 D* --> 191Ir77 + 30Si14 + 187.627 MeV [-18.157 MeV] (A_Au:120)
197Au79 + 12 D* --> 193Ir77 + 28Si14 + 182.514 MeV [-23.270 MeV] (A_Au:121)
197Au79 + 12 D* --> 194Pt78 + 27Al13 + 178.447 MeV [-27.337 MeV] (A_Au:122)
197Au79 + 12 D* --> 197Au79 + 24Mg12 + 171.562 MeV [-34.222 MeV] (A_Au:123)
197Au79 + 12 D* --> 198Hg80 + 23Na11 + 166.972 MeV [-38.812 MeV] (A_Au:124)

---------- Equations follow for Mercury, Hg, element 80 ----------

196Hg80 + D* --> 176Lu71 + 22Ne10 + 42.721 MeV [26.909 MeV] (A_Hg:1)
196Hg80 + D* --> 179Hf72 + 19F9 + 33.268 MeV [17.456 MeV] (A_Hg:2)
196Hg80 + D* --> 180Ta73 + 18O8 + 31.027 MeV [15.215 MeV] (A_Hg:3)
196Hg80 + D* --> 181Ta73 + 17O8 + 30.559 MeV [14.747 MeV] (A_Hg:4)
196Hg80 + D* --> 183W74 + 15N7 + 27.575 MeV [11.763 MeV] (A_Hg:5)
196Hg80 + D* --> 184W74 + 14N7 + 24.153 MeV [8.341 MeV] (A_Hg:6)
196Hg80 + D* --> 185Re75 + 13C6 + 22.006 MeV [6.194 MeV] (A_Hg:7)
196Hg80 + D* --> 187Os76 + 11B5 + 13.859 MeV [-1.953 MeV] (A_Hg:8)
196Hg80 + D* --> 188Os76 + 10B5 + 10.395 MeV [-5.417 MeV] (A_Hg:9)
196Hg80 + D* --> 192Pt78 + 6Li3 + 3.515 MeV [-12.297 MeV] (A_Hg:10)

196Hg80 + 2 D* --> 124Sn50 + 76Ge32 + 155.895 MeV [123.982 MeV] (A_Hg:11)
196Hg80 + 2 D* --> 130Te52 + 70Zn30 + 151.361 MeV [119.449 MeV] (A_Hg:12)
196Hg80 + 2 D* --> 136Xe54 + 64Ni28 + 147.969 MeV [116.057 MeV] (A_Hg:13)
196Hg80 + 2 D* --> 150Nd60 + 50Ti22 + 119.561 MeV [87.649 MeV] (A_Hg:14)
196Hg80 + 2 D* --> 152Sm62 + 48Ca20 + 113.428 MeV [81.515 MeV] (A_Hg:15)
196Hg80 + 2 D* --> 154Sm62 + 46Ca20 + 110.041 MeV [78.129 MeV] (A_Hg:16)

196Hg80 + 2 D* --> 160Gd64 + 40Ar18 + 97.433 MeV [65.521 MeV] (A_Hg:17)
196Hg80 + 2 D* --> 164Dy66 + 36S16 + 91.082 MeV [59.170 MeV] (A_Hg:18)
196Hg80 + 2 D* --> 170Er68 + 30Si14 + 78.992 MeV [47.080 MeV] (A_Hg:19)
196Hg80 + 2 D* --> 174Yb70 + 26Mg12 + 67.609 MeV [35.697 MeV] (A_Hg:20)
196Hg80 + 2 D* --> 176Yb70 + 24Mg12 + 61.872 MeV [29.960 MeV] (A_Hg:21)
196Hg80 + 2 D* --> 178Hf72 + 22Ne10 + 54.914 MeV [23.001 MeV] (A_Hg:22)
196Hg80 + 2 D* --> 179Hf72 + 21Ne10 + 50.648 MeV [18.736 MeV] (A_Hg:23)
196Hg80 + 2 D* --> 180Hf72 + 20Ne10 + 51.275 MeV [19.363 MeV] (A_Hg:24)
196Hg80 + 2 D* --> 181Ta73 + 19F9 + 44.374 MeV [12.462 MeV] (A_Hg:25)
196Hg80 + 2 D* --> 182W74 + 18O8 + 43.474 MeV [11.562 MeV] (A_Hg:26)
196Hg80 + 2 D* --> 183W74 + 17O8 + 41.621 MeV [9.708 MeV] (A_Hg:27)
196Hg80 + 2 D* --> 184W74 + 16O8 + 44.889 MeV [12.977 MeV] (A_Hg:28)
196Hg80 + 2 D* --> 185Re75 + 15N7 + 38.165 MeV [6.253 MeV] (A_Hg:29)
196Hg80 + 2 D* --> 187Os76 + 13C6 + 32.538 MeV [00.626 MeV] (A_Hg:30)
196Hg80 + 2 D* --> 188Os76 + 12C6 + 35.581 MeV [3.669 MeV] (A_Hg:31)
196Hg80 + 2 D* --> 196Hg80 + 4He2 + 23.847 MeV [-8.066 MeV] (A_Hg:32)

196Hg80 + 3 D* --> 176Lu71 + 26Mg12 + 77.182 MeV [28.884 MeV] (A_Hg:33)
196Hg80 + 3 D* --> 179Hf72 + 23Na11 + 67.582 MeV [19.283 MeV] (A_Hg:34)
196Hg80 + 3 D* --> 180Ta73 + 22Ne10 + 64.541 MeV [16.243 MeV] (A_Hg:35)
196Hg80 + 3 D* --> 181Ta73 + 21Ne10 + 61.754 MeV [13.455 MeV] (A_Hg:36)
196Hg80 + 3 D* --> 183W74 + 19F9 + 55.435 MeV [7.136 MeV] (A_Hg:37)
196Hg80 + 3 D* --> 185Re75 + 17O8 + 52.211 MeV [3.913 MeV] (A_Hg:38)
196Hg80 + 3 D* --> 187Os76 + 15N7 + 48.697 MeV [00.398 MeV] (A_Hg:39)
196Hg80 + 3 D* --> 188Os76 + 14N7 + 45.853 MeV [-2.445 MeV] (A_Hg:40)
196Hg80 + 3 D* --> 192Pt78 + 10B5 + 31.823 MeV [-16.476 MeV] (A_Hg:41)
196Hg80 + 3 D* --> 196Hg80 + 6Li3 + 25.320 MeV [-22.979 MeV] (A_Hg:42)

196Hg80 + 4 D* --> 122Sn50 + 82Se34 + 188.256 MeV [123.286 MeV] (A_Hg:43)
196Hg80 + 4 D* --> 124Sn50 + 80Se34 + 186.713 MeV [121.743 MeV] (A_Hg:44)
196Hg80 + 4 D* --> 128Te52 + 76Ge32 + 182.921 MeV [117.951 MeV] (A_Hg:45)
196Hg80 + 4 D* --> 130Te52 + 74Ge32 + 181.490 MeV [116.520 MeV] (A_Hg:46)
196Hg80 + 4 D* --> 134Xe54 + 70Zn30 + 178.405 MeV [113.435 MeV] (A_Hg:47)
196Hg80 + 4 D* --> 136Xe54 + 68Zn30 + 177.149 MeV [112.178 MeV] (A_Hg:48)
196Hg80 + 4 D* --> 150Nd60 + 54Cr24 + 151.338 MeV [86.368 MeV] (A_Hg:49)
196Hg80 + 4 D* --> 154Sm62 + 50Ti22 + 144.604 MeV [79.634 MeV] (A_Hg:50)
196Hg80 + 4 D* --> 156Gd64 + 48Ca20 + 137.473 MeV [72.502 MeV] (A_Hg:51)
196Hg80 + 4 D* --> 158Gd64 + 46Ca20 + 134.548 MeV [69.578 MeV] (A_Hg:52)
196Hg80 + 4 D* --> 160Gd64 + 44Ca20 + 130.133 MeV [65.163 MeV] (A_Hg:53)
196Hg80 + 4 D* --> 164Dy66 + 40Ar18 + 121.729 MeV [56.759 MeV] (A_Hg:54)
196Hg80 + 4 D* --> 168Er68 + 36S16 + 114.377 MeV [49.407 MeV] (A_Hg:55)
196Hg80 + 4 D* --> 170Er68 + 34S16 + 110.763 MeV [45.792 MeV] (A_Hg:56)
196Hg80 + 4 D* --> 174Yb70 + 30Si14 + 102.099 MeV [37.129 MeV] (A_Hg:57)
196Hg80 + 4 D* --> 176Yb70 + 28Si14 + 95.703 MeV [30.733 MeV] (A_Hg:58)
196Hg80 + 4 D* --> 178Hf72 + 26Mg12 + 89.375 MeV [24.405 MeV] (A_Hg:59)
196Hg80 + 4 D* --> 179Hf72 + 25Mg12 + 84.381 MeV [19.411 MeV] (A_Hg:60)
196Hg80 + 4 D* --> 180Hf72 + 24Mg12 + 84.438 MeV [19.468 MeV] (A_Hg:61)
196Hg80 + 4 D* --> 181Ta73 + 23Na11 + 78.688 MeV [13.718 MeV] (A_Hg:62)
196Hg80 + 4 D* --> 182W74 + 22Ne10 + 76.988 MeV [12.018 MeV] (A_Hg:63)
196Hg80 + 4 D* --> 183W74 + 21Ne10 + 72.815 MeV [7.845 MeV] (A_Hg:64)
196Hg80 + 4 D* --> 184W74 + 20Ne10 + 73.465 MeV [8.495 MeV] (A_Hg:65)
196Hg80 + 4 D* --> 185Re75 + 19F9 + 66.026 MeV [1.056 MeV] (A_Hg:66)
196Hg80 + 4 D* --> 186Os76 + 18O8 + 64.497 MeV [-0.473 MeV] (A_Hg:67)
196Hg80 + 4 D* --> 187Os76 + 17O8 + 62.743 MeV [-2.227 MeV] (A_Hg:68)

196Hg80 + 4 D* --> 188Os76 + 16O8 + 66.590 MeV [1.619 MeV] (A_Hg:69)
196Hg80 + 4 D* --> 192Pt78 + 12C6 + 57.009 MeV [-7.961 MeV] (A_Hg:70)

196Hg80 + 5 D* --> 176Lu71 + 30Si14 + 111.672 MeV [29.748 MeV] (A_Hg:71)
196Hg80 + 5 D* --> 179Hf72 + 27Al13 + 101.521 MeV [19.596 MeV] (A_Hg:72)
196Hg80 + 5 D* --> 180Ta73 + 26Mg12 + 99.003 MeV [17.078 MeV] (A_Hg:73)
196Hg80 + 5 D* --> 181Ta73 + 25Mg12 + 95.486 MeV [13.562 MeV] (A_Hg:74)
196Hg80 + 5 D* --> 183W74 + 23Na11 + 89.749 MeV [7.825 MeV] (A_Hg:75)
196Hg80 + 5 D* --> 185Re75 + 21Ne10 + 83.406 MeV [1.482 MeV] (A_Hg:76)
196Hg80 + 5 D* --> 187Os76 + 19F9 + 76.557 MeV [-5.367 MeV] (A_Hg:77)
196Hg80 + 5 D* --> 192Pt78 + 14N7 + 67.281 MeV [-14.643 MeV] (A_Hg:78)
196Hg80 + 5 D* --> 196Hg80 + 10B5 + 53.628 MeV [-28.296 MeV] (A_Hg:79)

196Hg80 + 6 D* --> 122Sn50 + 86Kr36 + 220.199 MeV [121.040 MeV] (A_Hg:80)
196Hg80 + 6 D* --> 124Sn50 + 84Kr36 + 217.655 MeV [118.496 MeV] (A_Hg:81)
196Hg80 + 6 D* --> 126Te52 + 82Se34 + 214.646 MeV [115.487 MeV] (A_Hg:82)
196Hg80 + 6 D* --> 128Te52 + 80Se34 + 213.740 MeV [114.580 MeV] (A_Hg:83)
196Hg80 + 6 D* --> 130Te52 + 78Se34 + 211.365 MeV [112.206 MeV] (A_Hg:84)
196Hg80 + 6 D* --> 132Xe54 + 76Ge32 + 209.481 MeV [110.322 MeV] (A_Hg:85)
196Hg80 + 6 D* --> 134Xe54 + 74Ge32 + 208.535 MeV [109.375 MeV] (A_Hg:86)
196Hg80 + 6 D* --> 136Xe54 + 72Ge32 + 205.999 MeV [106.839 MeV] (A_Hg:87)
196Hg80 + 6 D* --> 138Ba56 + 70Zn30 + 204.814 MeV [105.654 MeV] (A_Hg:88)
196Hg80 + 6 D* --> 150Nd60 + 58Fe26 + 182.831 MeV [83.671 MeV] (A_Hg:89)
196Hg80 + 6 D* --> 154Sm62 + 54Cr24 + 176.382 MeV [77.222 MeV] (A_Hg:90)
196Hg80 + 6 D* --> 158Gd64 + 50Ti22 + 169.111 MeV [69.951 MeV] (A_Hg:91)
196Hg80 + 6 D* --> 160Gd64 + 48Ti22 + 163.424 MeV [64.264 MeV] (A_Hg:92)
196Hg80 + 6 D* --> 160Dy66 + 48Ca20 + 160.880 MeV [61.720 MeV] (A_Hg:93)
196Hg80 + 6 D* --> 162Dy66 + 46Ca20 + 158.310 MeV [59.150 MeV] (A_Hg:94)
196Hg80 + 6 D* --> 164Dy66 + 44Ca20 + 154.429 MeV [55.270 MeV] (A_Hg:95)
196Hg80 + 6 D* --> 168Er68 + 40Ar18 + 145.024 MeV [45.865 MeV] (A_Hg:96)
196Hg80 + 6 D* --> 170Er68 + 38Ar18 + 141.817 MeV [42.657 MeV] (A_Hg:97)
196Hg80 + 6 D* --> 172Yb70 + 36S16 + 136.912 MeV [37.752 MeV] (A_Hg:98)
196Hg80 + 6 D* --> 174Yb70 + 34S16 + 133.869 MeV [34.709 MeV] (A_Hg:99)
196Hg80 + 6 D* --> 176Yb70 + 32S16 + 126.497 MeV [27.338 MeV] (A_Hg:100)
196Hg80 + 6 D* --> 178Hf72 + 30Si14 + 123.865 MeV [24.705 MeV] (A_Hg:101)
196Hg80 + 6 D* --> 179Hf72 + 29Si14 + 119.355 MeV [20.195 MeV] (A_Hg:102)
196Hg80 + 6 D* --> 180Hf72 + 28Si14 + 118.269 MeV [19.109 MeV] (A_Hg:103)
196Hg80 + 6 D* --> 181Ta73 + 27Al13 + 112.626 MeV [13.466 MeV] (A_Hg:104)
196Hg80 + 6 D* --> 182W74 + 26Mg12 + 111.450 MeV [12.290 MeV] (A_Hg:105)
196Hg80 + 6 D* --> 183W74 + 25Mg12 + 106.547 MeV [7.388 MeV] (A_Hg:106)
196Hg80 + 6 D* --> 184W74 + 24Mg12 + 106.629 MeV [7.469 MeV] (A_Hg:107)
196Hg80 + 6 D* --> 185Re75 + 23Na11 + 100.340 MeV [1.180 MeV] (A_Hg:108)
196Hg80 + 6 D* --> 186Os76 + 22Ne10 + 98.012 MeV [-1.148 MeV] (A_Hg:109)
196Hg80 + 6 D* --> 187Os76 + 21Ne10 + 93.938 MeV [-5.222 MeV] (A_Hg:110)
196Hg80 + 6 D* --> 188Os76 + 20Ne10 + 95.166 MeV [-3.994 MeV] (A_Hg:111)
196Hg80 + 6 D* --> 190Pt78 + 18O8 + 85.093 MeV [-14.067 MeV] (A_Hg:112)
196Hg80 + 6 D* --> 192Pt78 + 16O8 + 88.018 MeV [-11.142 MeV] (A_Hg:113)
196Hg80 + 6 D* --> 196Hg80 + 12C6 + 78.814 MeV [-20.345 MeV] (A_Hg:114)

196Hg80 + 7 D* --> 160Gd64 + 50V23 + 177.294 MeV [60.619 MeV] (A_Hg:115)
196Hg80 + 7 D* --> 170Er68 + 40K19 + 153.773 MeV [37.099 MeV] (A_Hg:116)
196Hg80 + 7 D* --> 173Yb70 + 37Cl17 + 149.441 MeV [32.767 MeV] (A_Hg:117)
196Hg80 + 7 D* --> 176Lu71 + 34S16 + 143.443 MeV [26.768 MeV] (A_Hg:118)
196Hg80 + 7 D* --> 179Hf72 + 31P15 + 135.036 MeV [18.362 MeV] (A_Hg:119)

196Hg80 + 7 D* --> 180Ta73 + 30Si14 + 133.492 MeV [16.818 MeV] (A_Hg:120)
196Hg80 + 7 D* --> 181Ta73 + 29Si14 + 130.460 MeV [13.786 MeV] (A_Hg:121)
196Hg80 + 7 D* --> 183W74 + 27Al13 + 123.687 MeV [7.013 MeV] (A_Hg:122)
196Hg80 + 7 D* --> 185Re75 + 25Mg12 + 117.138 MeV [00.464 MeV] (A_Hg:123)
196Hg80 + 7 D* --> 187Os76 + 23Na11 + 110.871 MeV [-5.803 MeV] (A_Hg:124)
196Hg80 + 7 D* --> 196Hg80 + 14N7 + 89.087 MeV [-27.588 MeV] (A_Hg:125)

196Hg80 + 8 D* --> 116Cd48 + 96Zr40 + 247.421 MeV [112.954 MeV] (A_Hg:126)
196Hg80 + 8 D* --> 124Sn50 + 88Sr38 + 249.418 MeV [114.950 MeV] (A_Hg:127)
196Hg80 + 8 D* --> 126Te52 + 86Kr36 + 246.589 MeV [112.122 MeV] (A_Hg:128)
196Hg80 + 8 D* --> 128Te52 + 84Kr36 + 244.682 MeV [110.215 MeV] (A_Hg:129)
196Hg80 + 8 D* --> 130Te52 + 82Kr36 + 241.200 MeV [106.733 MeV] (A_Hg:130)
196Hg80 + 8 D* --> 130Xe54 + 82Se34 + 240.735 MeV [106.268 MeV] (A_Hg:131)
196Hg80 + 8 D* --> 132Xe54 + 80Se34 + 240.300 MeV [105.832 MeV] (A_Hg:132)
196Hg80 + 8 D* --> 134Xe54 + 78Se34 + 238.410 MeV [103.942 MeV] (A_Hg:133)
196Hg80 + 8 D* --> 136Xe54 + 76Se34 + 234.936 MeV [100.469 MeV] (A_Hg:134)
196Hg80 + 8 D* --> 136Ba56 + 76Ge32 + 235.359 MeV [100.892 MeV] (A_Hg:135)
196Hg80 + 8 D* --> 138Ba56 + 74Ge32 + 234.943 MeV [100.476 MeV] (A_Hg:136)
196Hg80 + 8 D* --> 142Ce58 + 70Zn30 + 227.362 MeV [92.895 MeV] (A_Hg:137)
196Hg80 + 8 D* --> 148Nd60 + 64Ni28 + 217.772 MeV [83.305 MeV] (A_Hg:138)
196Hg80 + 8 D* --> 150Nd60 + 62Ni28 + 213.695 MeV [79.228 MeV] (A_Hg:139)
196Hg80 + 8 D* --> 154Sm62 + 58Fe26 + 207.874 MeV [73.407 MeV] (A_Hg:140)
196Hg80 + 8 D* --> 158Gd64 + 54Cr24 + 200.888 MeV [66.421 MeV] (A_Hg:141)
196Hg80 + 8 D* --> 160Gd64 + 52Cr24 + 196.625 MeV [62.157 MeV] (A_Hg:142)
196Hg80 + 8 D* --> 162Dy66 + 50Ti22 + 192.873 MeV [58.405 MeV] (A_Hg:143)
196Hg80 + 8 D* --> 163Dy66 + 49Ti22 + 188.204 MeV [53.737 MeV] (A_Hg:144)
196Hg80 + 8 D* --> 164Dy66 + 48Ti22 + 187.720 MeV [53.253 MeV] (A_Hg:145)
196Hg80 + 8 D* --> 164Er68 + 48Ca20 + 183.423 MeV [48.956 MeV] (A_Hg:146)
196Hg80 + 8 D* --> 166Er68 + 46Ca20 + 181.326 MeV [46.859 MeV] (A_Hg:147)
196Hg80 + 8 D* --> 168Er68 + 44Ca20 + 177.724 MeV [43.257 MeV] (A_Hg:148)
196Hg80 + 8 D* --> 170Er68 + 42Ca20 + 171.921 MeV [37.454 MeV] (A_Hg:149)
196Hg80 + 8 D* --> 172Yb70 + 40Ar18 + 167.559 MeV [33.092 MeV] (A_Hg:150)
196Hg80 + 8 D* --> 174Yb70 + 38Ar18 + 164.923 MeV [30.456 MeV] (A_Hg:151)
196Hg80 + 8 D* --> 176Yb70 + 36Ar18 + 156.985 MeV [22.518 MeV] (A_Hg:152)
196Hg80 + 8 D* --> 175Lu71 + 37Cl17 + 160.191 MeV [25.724 MeV] (A_Hg:153)
196Hg80 + 8 D* --> 176Hf72 + 36S16 + 158.501 MeV [24.033 MeV] (A_Hg:154)
196Hg80 + 8 D* --> 178Hf72 + 34S16 + 155.635 MeV [21.168 MeV] (A_Hg:155)
196Hg80 + 8 D* --> 179Hf72 + 33S16 + 150.317 MeV [15.850 MeV] (A_Hg:156)
196Hg80 + 8 D* --> 180Hf72 + 32S16 + 149.063 MeV [14.596 MeV] (A_Hg:157)
196Hg80 + 8 D* --> 181Ta73 + 31P15 + 146.142 MeV [11.674 MeV] (A_Hg:158)
196Hg80 + 8 D* --> 182W74 + 30Si14 + 145.940 MeV [11.472 MeV] (A_Hg:159)
196Hg80 + 8 D* --> 183W74 + 29Si14 + 141.521 MeV [7.054 MeV] (A_Hg:160)
196Hg80 + 8 D* --> 184W74 + 28Si14 + 140.459 MeV [5.992 MeV] (A_Hg:161)
196Hg80 + 8 D* --> 185Re75 + 27Al13 + 134.278 MeV [-0.189 MeV] (A_Hg:162)
196Hg80 + 8 D* --> 186Os76 + 26Mg12 + 132.473 MeV [-1.994 MeV] (A_Hg:163)
196Hg80 + 8 D* --> 187Os76 + 25Mg12 + 127.670 MeV [-6.797 MeV] (A_Hg:164)
196Hg80 + 8 D* --> 188Os76 + 24Mg12 + 128.329 MeV [-6.138 MeV] (A_Hg:165)
196Hg80 + 8 D* --> 190Pt78 + 22Ne10 + 118.607 MeV [-15.860 MeV] (A_Hg:166)
196Hg80 + 8 D* --> 192Pt78 + 20Ne10 + 116.594 MeV [-17.873 MeV] (A_Hg:167)
196Hg80 + 8 D* --> 196Hg80 + 16O8 + 109.823 MeV [-24.644 MeV] (A_Hg:168)

196Hg80 + 9 D* --> 138La57 + 76Ge32 + 246.133 MeV [93.596 MeV] (A_Hg:169)
196Hg80 + 9 D* --> 163Dy66 + 51V23 + 204.983 MeV [52.446 MeV] (A_Hg:170)
196Hg80 + 9 D* --> 164Dy66 + 50V23 + 201.590 MeV [49.053 MeV] (A_Hg:171)

196Hg80 + 9 D* --> 165Ho67 + 49Ti22 + 199.858 MeV [47.322 MeV] (A_Hg:172)
196Hg80 + 9 D* --> 173Yb70 + 41K19 + 179.510 MeV [26.974 MeV] (A_Hg:173)
196Hg80 + 9 D* --> 174Yb70 + 40K19 + 176.880 MeV [24.343 MeV] (A_Hg:174)
196Hg80 + 9 D* --> 176Lu71 + 38Ar18 + 174.497 MeV [21.960 MeV] (A_Hg:175)
196Hg80 + 9 D* --> 177Hf72 + 37Cl17 + 171.046 MeV [18.510 MeV] (A_Hg:176)
196Hg80 + 9 D* --> 179Hf72 + 35Cl17 + 165.880 MeV [13.344 MeV] (A_Hg:177)
196Hg80 + 9 D* --> 180Ta73 + 34S16 + 165.263 MeV [12.727 MeV] (A_Hg:178)
196Hg80 + 9 D* --> 181Ta73 + 33S16 + 161.422 MeV [8.886 MeV] (A_Hg:179)
196Hg80 + 9 D* --> 183W74 + 31P15 + 157.203 MeV [4.666 MeV] (A_Hg:180)
196Hg80 + 9 D* --> 185Re75 + 29Si14 + 152.112 MeV [-0.424 MeV] (A_Hg:181)
196Hg80 + 9 D* --> 187Os76 + 27Al13 + 144.810 MeV [-7.727 MeV] (A_Hg:182)

196Hg80 + 10 D* --> 116Cd48 + 100Mo42 + 274.434 MeV [103.554 MeV] (A_Hg:183)
196Hg80 + 10 D* --> 120Sn50 + 96Zr40 + 276.078 MeV [105.198 MeV] (A_Hg:184)
196Hg80 + 10 D* --> 122Sn50 + 94Zr40 + 276.743 MeV [105.863 MeV] (A_Hg:185)
196Hg80 + 10 D* --> 124Sn50 + 92Zr40 + 276.221 MeV [105.341 MeV] (A_Hg:186)
196Hg80 + 10 D* --> 128Te52 + 88Sr38 + 276.444 MeV [105.564 MeV] (A_Hg:187)
196Hg80 + 10 D* --> 130Te52 + 86Sr38 + 271.406 MeV [100.526 MeV] (A_Hg:188)
196Hg80 + 10 D* --> 130Xe54 + 86Kr36 + 272.678 MeV [101.798 MeV] (A_Hg:189)
196Hg80 + 10 D* --> 132Xe54 + 84Kr36 + 271.242 MeV [100.362 MeV] (A_Hg:190)
196Hg80 + 10 D* --> 134Xe54 + 82Kr36 + 268.245 MeV [97.365 MeV] (A_Hg:191)
196Hg80 + 10 D* --> 136Xe54 + 80Kr36 + 263.848 MeV [92.968 MeV] (A_Hg:192)
196Hg80 + 10 D* --> 134Ba56 + 82Se34 + 266.074 MeV [95.194 MeV] (A_Hg:193)
196Hg80 + 10 D* --> 136Ba56 + 80Se34 + 266.177 MeV [95.297 MeV] (A_Hg:194)
196Hg80 + 10 D* --> 138Ba56 + 78Se34 + 264.818 MeV [93.938 MeV] (A_Hg:195)
196Hg80 + 10 D* --> 140Ce58 + 76Ge32 + 260.827 MeV [89.947 MeV] (A_Hg:196)
196Hg80 + 10 D* --> 142Ce58 + 74Ge32 + 257.491 MeV [86.611 MeV] (A_Hg:197)
196Hg80 + 10 D* --> 146Nd60 + 70Zn30 + 250.026 MeV [79.146 MeV] (A_Hg:198)
196Hg80 + 10 D* --> 148Nd60 + 68Zn30 + 246.951 MeV [76.071 MeV] (A_Hg:199)
196Hg80 + 10 D* --> 150Nd60 + 66Zn30 + 242.120 MeV [71.240 MeV] (A_Hg:200)
196Hg80 + 10 D* --> 152Sm62 + 64Ni28 + 241.399 MeV [70.519 MeV] (A_Hg:201)
196Hg80 + 10 D* --> 154Sm62 + 62Ni28 + 238.738 MeV [67.858 MeV] (A_Hg:202)
196Hg80 + 10 D* --> 158Gd64 + 58Fe26 + 232.381 MeV [61.501 MeV] (A_Hg:203)
196Hg80 + 10 D* --> 160Gd64 + 56Fe26 + 228.085 MeV [57.205 MeV] (A_Hg:204)
196Hg80 + 10 D* --> 162Dy66 + 54Cr24 + 224.650 MeV [53.770 MeV] (A_Hg:205)
196Hg80 + 10 D* --> 163Dy66 + 53Cr24 + 221.202 MeV [50.322 MeV] (A_Hg:206)
196Hg80 + 10 D* --> 164Dy66 + 52Cr24 + 220.921 MeV [50.041 MeV] (A_Hg:207)
196Hg80 + 10 D* --> 165Ho67 + 51V23 + 216.636 MeV [45.756 MeV] (A_Hg:208)
196Hg80 + 10 D* --> 166Er68 + 50Ti22 + 215.889 MeV [45.009 MeV] (A_Hg:209)
196Hg80 + 10 D* --> 167Er68 + 49Ti22 + 211.386 MeV [40.506 MeV] (A_Hg:210)
196Hg80 + 10 D* --> 168Er68 + 48Ti22 + 211.015 MeV [40.135 MeV] (A_Hg:211)
196Hg80 + 10 D* --> 170Er68 + 46Ti22 + 203.769 MeV [32.889 MeV] (A_Hg:212)
196Hg80 + 10 D* --> 168Yb70 + 48Ca20 + 205.319 MeV [34.439 MeV] (A_Hg:213)
196Hg80 + 10 D* --> 170Yb70 + 46Ca20 + 203.435 MeV [32.555 MeV] (A_Hg:214)
196Hg80 + 10 D* --> 172Yb70 + 44Ca20 + 200.259 MeV [29.379 MeV] (A_Hg:215)
196Hg80 + 10 D* --> 173Yb70 + 43Ca20 + 195.495 MeV [24.615 MeV] (A_Hg:216)
196Hg80 + 10 D* --> 174Yb70 + 42Ca20 + 195.027 MeV [24.147 MeV] (A_Hg:217)
196Hg80 + 10 D* --> 176Yb70 + 40Ca20 + 187.871 MeV [16.991 MeV] (A_Hg:218)
196Hg80 + 10 D* --> 175Lu71 + 41K19 + 190.260 MeV [19.380 MeV] (A_Hg:219)
196Hg80 + 10 D* --> 176Lu71 + 40K19 + 186.453 MeV [15.573 MeV] (A_Hg:220)
196Hg80 + 10 D* --> 176Hf72 + 40Ar18 + 189.148 MeV [18.268 MeV] (A_Hg:221)
196Hg80 + 10 D* --> 178Hf72 + 38Ar18 + 186.689 MeV [15.809 MeV] (A_Hg:222)
196Hg80 + 10 D* --> 180Hf72 + 36Ar18 + 179.550 MeV [8.670 MeV] (A_Hg:223)
196Hg80 + 10 D* --> 181Ta73 + 35Cl17 + 176.986 MeV [6.106 MeV] (A_Hg:224)

196Hg80 + 10 D* --> 180W74 + 36S16 + 179.839 MeV [8.959 MeV] (A_Hg:225)
196Hg80 + 10 D* --> 182W74 + 34S16 + 177.710 MeV [6.830 MeV] (A_Hg:226)
196Hg80 + 10 D* --> 183W74 + 33S16 + 172.484 MeV [1.604 MeV] (A_Hg:227)
196Hg80 + 10 D* --> 184W74 + 32S16 + 171.254 MeV [00.374 MeV] (A_Hg:228)
196Hg80 + 10 D* --> 185Re75 + 31P15 + 167.794 MeV [-3.086 MeV] (A_Hg:229)
196Hg80 + 10 D* --> 186Os76 + 30Si14 + 166.963 MeV [-3.917 MeV] (A_Hg:230)
196Hg80 + 10 D* --> 187Os76 + 29Si14 + 162.644 MeV [-8.236 MeV] (A_Hg:231)
196Hg80 + 10 D* --> 188Os76 + 28Si14 + 162.160 MeV [-8.720 MeV] (A_Hg:232)
196Hg80 + 10 D* --> 190Pt78 + 26Mg12 + 153.069 MeV [-17.811 MeV] (A_Hg:233)
196Hg80 + 10 D* --> 192Pt78 + 24Mg12 + 149.757 MeV [-21.123 MeV] (A_Hg:234)
196Hg80 + 10 D* --> 196Hg80 + 20Ne10 + 138.399 MeV [-32.481 MeV] (A_Hg:235)

196Hg80 + 11 D* --> 131Xe54 + 87Rb37 + 285.679 MeV [96.182 MeV] (A_Hg:236)
196Hg80 + 11 D* --> 137Ba56 + 81Br35 + 278.362 MeV [88.865 MeV] (A_Hg:237)
196Hg80 + 11 D* --> 138La57 + 80Se34 + 276.951 MeV [87.454 MeV] (A_Hg:238)
196Hg80 + 11 D* --> 163Dy66 + 55Mn25 + 236.763 MeV [47.266 MeV] (A_Hg:239)
196Hg80 + 11 D* --> 165Ho67 + 53Cr24 + 232.856 MeV [43.359 MeV] (A_Hg:240)
196Hg80 + 11 D* --> 167Er68 + 51V23 + 228.164 MeV [38.667 MeV] (A_Hg:241)
196Hg80 + 11 D* --> 168Er68 + 50V23 + 224.885 MeV [35.388 MeV] (A_Hg:242)
196Hg80 + 11 D* --> 169Tm69 + 49Ti22 + 222.505 MeV [33.008 MeV] (A_Hg:243)
196Hg80 + 11 D* --> 173Yb70 + 45Sc21 + 211.290 MeV [21.793 MeV] (A_Hg:244)
196Hg80 + 11 D* --> 175Lu71 + 43Ca20 + 206.246 MeV [16.749 MeV] (A_Hg:245)
196Hg80 + 11 D* --> 176Lu71 + 42Ca20 + 204.601 MeV [15.104 MeV] (A_Hg:246)
196Hg80 + 11 D* --> 177Hf72 + 41K19 + 201.115 MeV [11.618 MeV] (A_Hg:247)
196Hg80 + 11 D* --> 178Hf72 + 40K19 + 198.646 MeV [9.149 MeV] (A_Hg:248)
196Hg80 + 11 D* --> 179Hf72 + 39K19 + 196.945 MeV [7.448 MeV] (A_Hg:249)
196Hg80 + 11 D* --> 180Ta73 + 38Ar18 + 196.317 MeV [6.820 MeV] (A_Hg:250)
196Hg80 + 11 D* --> 183W74 + 35Cl17 + 188.047 MeV [-1.450 MeV] (A_Hg:251)
196Hg80 + 11 D* --> 185Re75 + 33S16 + 183.074 MeV [-6.423 MeV] (A_Hg:252)
196Hg80 + 11 D* --> 187Os76 + 31P15 + 178.325 MeV [-11.172 MeV] (A_Hg:253)

196Hg80 + 12 D* --> 110Pd46 + 110Pd46 + 302.500 MeV [94.115 MeV] (A_Hg:254)
196Hg80 + 12 D* --> 116Cd48 + 104Ru44 + 302.610 MeV [94.225 MeV] (A_Hg:255)
196Hg80 + 12 D* --> 120Sn50 + 100Mo42 + 303.091 MeV [94.706 MeV] (A_Hg:256)
196Hg80 + 12 D* --> 122Sn50 + 98Mo42 + 303.860 MeV [95.474 MeV] (A_Hg:257)
196Hg80 + 12 D* --> 124Sn50 + 96Mo42 + 302.829 MeV [94.444 MeV] (A_Hg:258)
196Hg80 + 12 D* --> 124Te52 + 96Zr40 + 301.769 MeV [93.384 MeV] (A_Hg:259)
196Hg80 + 12 D* --> 126Te52 + 94Zr40 + 303.133 MeV [94.748 MeV] (A_Hg:260)
196Hg80 + 12 D* --> 128Te52 + 92Zr40 + 303.248 MeV [94.862 MeV] (A_Hg:261)
196Hg80 + 12 D* --> 130Te52 + 90Zr40 + 301.921 MeV [93.535 MeV] (A_Hg:262)
196Hg80 + 12 D* --> 132Xe54 + 88Sr38 + 303.004 MeV [94.619 MeV] (A_Hg:263)
196Hg80 + 12 D* --> 134Xe54 + 86Sr38 + 298.450 MeV [90.065 MeV] (A_Hg:264)
196Hg80 + 12 D* --> 136Xe54 + 84Sr38 + 292.871 MeV [84.485 MeV] (A_Hg:265)
196Hg80 + 12 D* --> 133Cs55 + 87Rb37 + 298.471 MeV [90.085 MeV] (A_Hg:266)
196Hg80 + 12 D* --> 134Ba56 + 86Kr36 + 298.017 MeV [89.632 MeV] (A_Hg:267)
196Hg80 + 12 D* --> 136Ba56 + 84Kr36 + 297.120 MeV [88.734 MeV] (A_Hg:268)
196Hg80 + 12 D* --> 137Ba56 + 83Kr36 + 293.505 MeV [85.119 MeV] (A_Hg:269)
196Hg80 + 12 D* --> 138Ba56 + 82Kr36 + 294.653 MeV [86.268 MeV] (A_Hg:270)
196Hg80 + 12 D* --> 139La57 + 81Br35 + 291.008 MeV [82.623 MeV] (A_Hg:271)
196Hg80 + 12 D* --> 138Ce58 + 82Se34 + 290.965 MeV [82.579 MeV] (A_Hg:272)
196Hg80 + 12 D* --> 140Ce58 + 80Se34 + 291.645 MeV [83.260 MeV] (A_Hg:273)
196Hg80 + 12 D* --> 142Ce58 + 78Se34 + 287.367 MeV [78.981 MeV] (A_Hg:274)
196Hg80 + 12 D* --> 144Nd60 + 76Ge32 + 282.768 MeV [74.383 MeV] (A_Hg:275)
196Hg80 + 12 D* --> 146Nd60 + 74Ge32 + 280.155 MeV [71.770 MeV] (A_Hg:276)

196Hg80 + 12 D* --> 148Nd60 + 72Ge32 + 275.801 MeV [67.416 MeV] (A_Hg:277)
196Hg80 + 12 D* --> 150Nd60 + 70Ge32 + 270.055 MeV [61.669 MeV] (A_Hg:278)
196Hg80 + 12 D* --> 150Sm62 + 70Zn30 + 272.424 MeV [64.038 MeV] (A_Hg:279)
196Hg80 + 12 D* --> 152Sm62 + 68Zn30 + 270.578 MeV [62.192 MeV] (A_Hg:280)
196Hg80 + 12 D* --> 154Sm62 + 66Zn30 + 267.163 MeV [58.777 MeV] (A_Hg:281)
196Hg80 + 12 D* --> 156Gd64 + 64Ni28 + 265.443 MeV [57.058 MeV] (A_Hg:282)
196Hg80 + 12 D* --> 158Gd64 + 62Ni28 + 263.245 MeV [54.859 MeV] (A_Hg:283)
196Hg80 + 12 D* --> 160Gd64 + 60Ni28 + 258.223 MeV [49.837 MeV] (A_Hg:284)
196Hg80 + 12 D* --> 162Dy66 + 58Fe26 + 256.142 MeV [47.757 MeV] (A_Hg:285)
196Hg80 + 12 D* --> 163Dy66 + 57Fe26 + 252.369 MeV [43.983 MeV] (A_Hg:286)
196Hg80 + 12 D* --> 164Dy66 + 56Fe26 + 252.381 MeV [43.995 MeV] (A_Hg:287)
196Hg80 + 12 D* --> 165Ho67 + 55Mn25 + 248.417 MeV [40.032 MeV] (A_Hg:288)
196Hg80 + 12 D* --> 166Er68 + 54Cr24 + 247.666 MeV [39.281 MeV] (A_Hg:289)
196Hg80 + 12 D* --> 167Er68 + 53Cr24 + 244.383 MeV [35.998 MeV] (A_Hg:290)
196Hg80 + 12 D* --> 168Er68 + 52Cr24 + 244.216 MeV [35.830 MeV] (A_Hg:291)
196Hg80 + 12 D* --> 170Er68 + 50Cr24 + 236.176 MeV [27.791 MeV] (A_Hg:292)
196Hg80 + 12 D* --> 169Tm69 + 51V23 + 239.283 MeV [30.898 MeV] (A_Hg:293)
196Hg80 + 12 D* --> 170Yb70 + 50Ti22 + 237.998 MeV [29.612 MeV] (A_Hg:294)
196Hg80 + 12 D* --> 171Yb70 + 49Ti22 + 233.673 MeV [25.287 MeV] (A_Hg:295)
196Hg80 + 12 D* --> 172Yb70 + 48Ti22 + 233.550 MeV [25.164 MeV] (A_Hg:296)
196Hg80 + 12 D* --> 173Yb70 + 47Ti22 + 228.291 MeV [19.905 MeV] (A_Hg:297)
196Hg80 + 12 D* --> 174Yb70 + 46Ti22 + 226.875 MeV [18.489 MeV] (A_Hg:298)
196Hg80 + 12 D* --> 175Lu71 + 45Sc21 + 222.040 MeV [13.655 MeV] (A_Hg:299)
196Hg80 + 12 D* --> 174Hf72 + 46Ca20 + 224.784 MeV [16.398 MeV] (A_Hg:300)
196Hg80 + 12 D* --> 176Hf72 + 44Ca20 + 221.848 MeV [13.462 MeV] (A_Hg:301)
196Hg80 + 12 D* --> 177Hf72 + 43Ca20 + 217.100 MeV [8.715 MeV] (A_Hg:302)
196Hg80 + 12 D* --> 178Hf72 + 42Ca20 + 216.793 MeV [8.408 MeV] (A_Hg:303)
196Hg80 + 12 D* --> 180Hf72 + 40Ca20 + 210.437 MeV [2.051 MeV] (A_Hg:304)
196Hg80 + 12 D* --> 180Ta73 + 40K19 + 208.273 MeV [-0.112 MeV] (A_Hg:305)
196Hg80 + 12 D* --> 181Ta73 + 39K19 + 208.051 MeV [-0.335 MeV] (A_Hg:306)
196Hg80 + 12 D* --> 180W74 + 40Ar18 + 210.486 MeV [2.101 MeV] (A_Hg:307)
196Hg80 + 12 D* --> 182W74 + 38Ar18 + 208.764 MeV [00.379 MeV] (A_Hg:308)
196Hg80 + 12 D* --> 184W74 + 36Ar18 + 201.741 MeV [-6.645 MeV] (A_Hg:309)
196Hg80 + 12 D* --> 185Re75 + 35Cl17 + 198.638 MeV [-9.748 MeV] (A_Hg:310)
196Hg80 + 12 D* --> 184Os76 + 36S16 + 200.722 MeV [-7.663 MeV] (A_Hg:311)
196Hg80 + 12 D* --> 186Os76 + 34S16 + 198.733 MeV [-9.652 MeV] (A_Hg:312)
196Hg80 + 12 D* --> 187Os76 + 33S16 + 193.606 MeV [-14.779 MeV] (A_Hg:313)
196Hg80 + 12 D* --> 188Os76 + 32S16 + 192.954 MeV [-15.431 MeV] (A_Hg:314)
196Hg80 + 12 D* --> 190Pt78 + 30Si14 + 187.558 MeV [-20.827 MeV] (A_Hg:315)
196Hg80 + 12 D* --> 192Pt78 + 28Si14 + 183.588 MeV [-24.798 MeV] (A_Hg:316)
196Hg80 + 12 D* --> 196Hg80 + 24Mg12 + 171.562 MeV [-36.823 MeV] (A_Hg:317)

198Hg80 + D* --> 186W74 + 14N7 + 21.827 MeV [6.068 MeV] (A_Hg:318)
198Hg80 + D* --> 187Re75 + 13C6 + 20.272 MeV [4.513 MeV] (A_Hg:319)
198Hg80 + D* --> 189Os76 + 11B5 + 12.499 MeV [-3.260 MeV] (A_Hg:320)
198Hg80 + D* --> 190Os76 + 10B5 + 8.837 MeV [-6.922 MeV] (A_Hg:321)
198Hg80 + D* --> 191Ir77 + 9Be4 + 7.540 MeV [-8.219 MeV] (A_Hg:322)
198Hg80 + D* --> 194Pt78 + 6Li3 + 2.858 MeV [-12.902 MeV] (A_Hg:323)
198Hg80 + D* --> 199Hg80 + 1H1 + 4.439 MeV [-11.320 MeV] (A_Hg:324)

198Hg80 + 2 D* --> 154Sm62 + 48Ca20 + 111.993 MeV [80.186 MeV] (A_Hg:325)
198Hg80 + 2 D* --> 176Yb70 + 26Mg12 + 65.026 MeV [33.219 MeV] (A_Hg:326)
198Hg80 + 2 D* --> 180Hf72 + 22Ne10 + 53.130 MeV [21.324 MeV] (A_Hg:327)
198Hg80 + 2 D* --> 184W74 + 18O8 + 41.806 MeV [9.999 MeV] (A_Hg:328)

198Hg80 + 2 D* --> 186W74 + 16O8 + 42.564 MeV [10.757 MeV] (A_Hg:329)
198Hg80 + 2 D* --> 187Re75 + 15N7 + 36.431 MeV [4.625 MeV] (A_Hg:330)
198Hg80 + 2 D* --> 189Os76 + 13C6 + 31.177 MeV [-0.629 MeV] (A_Hg:331)
198Hg80 + 2 D* --> 190Os76 + 12C6 + 34.023 MeV [2.217 MeV] (A_Hg:332)
198Hg80 + 2 D* --> 191Ir77 + 11B5 + 23.355 MeV [-8.451 MeV] (A_Hg:333)
198Hg80 + 2 D* --> 198Hg80 + 4He2 + 23.847 MeV [-7.960 MeV] (A_Hg:334)
198Hg80 + 2 D* --> 199Hg80 + 3He2 + 9.933 MeV [-21.874 MeV] (A_Hg:335)

198Hg80 + 3 D* --> 187Re75 + 17O8 + 50.477 MeV [2.337 MeV] (A_Hg:336)
198Hg80 + 3 D* --> 189Os76 + 15N7 + 47.337 MeV [-0.804 MeV] (A_Hg:337)
198Hg80 + 3 D* --> 190Os76 + 14N7 + 44.296 MeV [-3.845 MeV] (A_Hg:338)
198Hg80 + 3 D* --> 191Ir77 + 13C6 + 42.034 MeV [-6.106 MeV] (A_Hg:339)
198Hg80 + 3 D* --> 194Pt78 + 10B5 + 31.165 MeV [-16.975 MeV] (A_Hg:340)
198Hg80 + 3 D* --> 198Hg80 + 6Li3 + 25.320 MeV [-22.820 MeV] (A_Hg:341)

198Hg80 + 4 D* --> 124Sn50 + 82Se34 + 187.419 MeV [122.660 MeV] (A_Hg:342)
198Hg80 + 4 D* --> 130Te52 + 76Ge32 + 182.153 MeV [117.394 MeV] (A_Hg:343)
198Hg80 + 4 D* --> 136Xe54 + 70Zn30 + 177.578 MeV [112.819 MeV] (A_Hg:344)
198Hg80 + 4 D* --> 158Gd64 + 48Ca20 + 136.499 MeV [71.740 MeV] (A_Hg:345)
198Hg80 + 4 D* --> 160Gd64 + 46Ca20 + 132.672 MeV [67.913 MeV] (A_Hg:346)
198Hg80 + 4 D* --> 170Er68 + 36S16 + 112.367 MeV [47.608 MeV] (A_Hg:347)
198Hg80 + 4 D* --> 176Yb70 + 30Si14 + 99.516 MeV [34.756 MeV] (A_Hg:348)
198Hg80 + 4 D* --> 180Hf72 + 26Mg12 + 87.591 MeV [22.832 MeV] (A_Hg:349)
198Hg80 + 4 D* --> 184W74 + 22Ne10 + 75.320 MeV [10.561 MeV] (A_Hg:350)
198Hg80 + 4 D* --> 186W74 + 20Ne10 + 71.140 MeV [6.381 MeV] (A_Hg:351)
198Hg80 + 4 D* --> 187Re75 + 19F9 + 64.292 MeV [-0.468 MeV] (A_Hg:352)
198Hg80 + 4 D* --> 188Os76 + 18O8 + 63.506 MeV [-1.253 MeV] (A_Hg:353)
198Hg80 + 4 D* --> 189Os76 + 17O8 + 61.383 MeV [-3.377 MeV] (A_Hg:354)
198Hg80 + 4 D* --> 190Os76 + 16O8 + 65.032 MeV [00.273 MeV] (A_Hg:355)
198Hg80 + 4 D* --> 191Ir77 + 15N7 + 58.193 MeV [-6.566 MeV] (A_Hg:356)
198Hg80 + 4 D* --> 194Pt78 + 12C6 + 56.352 MeV [-8.408 MeV] (A_Hg:357)

198Hg80 + 5 D* --> 187Re75 + 21Ne10 + 81.672 MeV [00.011 MeV] (A_Hg:358)
198Hg80 + 5 D* --> 189Os76 + 19F9 + 75.197 MeV [-6.464 MeV] (A_Hg:359)
198Hg80 + 5 D* --> 191Ir77 + 17O8 + 72.239 MeV [-9.421 MeV] (A_Hg:360)
198Hg80 + 5 D* --> 194Pt78 + 14N7 + 66.624 MeV [-15.037 MeV] (A_Hg:361)
198Hg80 + 5 D* --> 198Hg80 + 10B5 + 53.628 MeV [-28.033 MeV] (A_Hg:362)

198Hg80 + 6 D* --> 124Sn50 + 86Kr36 + 219.362 MeV [120.518 MeV] (A_Hg:363)
198Hg80 + 6 D* --> 128Te52 + 82Se34 + 214.446 MeV [115.602 MeV] (A_Hg:364)
198Hg80 + 6 D* --> 130Te52 + 80Se34 + 212.971 MeV [114.127 MeV] (A_Hg:365)
198Hg80 + 6 D* --> 134Xe54 + 76Ge32 + 209.197 MeV [110.354 MeV] (A_Hg:366)
198Hg80 + 6 D* --> 136Xe54 + 74Ge32 + 207.707 MeV [108.864 MeV] (A_Hg:367)
198Hg80 + 6 D* --> 160Gd64 + 50Ti22 + 167.235 MeV [68.391 MeV] (A_Hg:368)
198Hg80 + 6 D* --> 162Dy66 + 48Ca20 + 160.261 MeV [61.417 MeV] (A_Hg:369)
198Hg80 + 6 D* --> 164Dy66 + 46Ca20 + 156.968 MeV [58.124 MeV] (A_Hg:370)
198Hg80 + 6 D* --> 170Er68 + 40Ar18 + 143.014 MeV [44.171 MeV] (A_Hg:371)
198Hg80 + 6 D* --> 174Yb70 + 36S16 + 135.474 MeV [36.630 MeV] (A_Hg:372)
198Hg80 + 6 D* --> 176Yb70 + 34S16 + 131.286 MeV [32.442 MeV] (A_Hg:373)
198Hg80 + 6 D* --> 180Hf72 + 30Si14 + 122.081 MeV [23.237 MeV] (A_Hg:374)
198Hg80 + 6 D* --> 184W74 + 26Mg12 + 109.782 MeV [10.938 MeV] (A_Hg:375)
198Hg80 + 6 D* --> 186W74 + 24Mg12 + 104.303 MeV [5.459 MeV] (A_Hg:376)
198Hg80 + 6 D* --> 187Re75 + 23Na11 + 98.605 MeV [-0.238 MeV] (A_Hg:377)
198Hg80 + 6 D* --> 188Os76 + 22Ne10 + 97.021 MeV [-1.823 MeV] (A_Hg:378)

198Hg80 + 6 D* --> 189Os76 + 21Ne10 + 92.577 MeV [-6.267 MeV] (A_Hg:379)
198Hg80 + 6 D* --> 190Os76 + 20Ne10 + 93.608 MeV [-5.236 MeV] (A_Hg:380)
198Hg80 + 6 D* --> 191Ir77 + 19F9 + 86.054 MeV [-12.790 MeV] (A_Hg:381)
198Hg80 + 6 D* --> 192Pt78 + 18O8 + 84.934 MeV [-13.910 MeV] (A_Hg:382)
198Hg80 + 6 D* --> 194Pt78 + 16O8 + 87.360 MeV [-11.484 MeV] (A_Hg:383)
198Hg80 + 6 D* --> 198Hg80 + 12C6 + 78.814 MeV [-20.029 MeV] (A_Hg:384)

198Hg80 + 7 D* --> 176Lu71 + 36S16 + 145.047 MeV [28.741 MeV] (A_Hg:385)
198Hg80 + 7 D* --> 187Re75 + 25Mg12 + 115.404 MeV [-0.902 MeV] (A_Hg:386)
198Hg80 + 7 D* --> 189Os76 + 23Na11 + 109.511 MeV [-6.796 MeV] (A_Hg:387)
198Hg80 + 7 D* --> 191Ir77 + 21Ne10 + 103.434 MeV [-12.873 MeV] (A_Hg:388)
198Hg80 + 7 D* --> 198Hg80 + 14N7 + 89.087 MeV [-27.220 MeV] (A_Hg:389)

198Hg80 + 8 D* --> 128Te52 + 86Kr36 + 246.389 MeV [112.342 MeV] (A_Hg:390)
198Hg80 + 8 D* --> 130Te52 + 84Kr36 + 243.914 MeV [109.867 MeV] (A_Hg:391)
198Hg80 + 8 D* --> 132Xe54 + 82Se34 + 241.006 MeV [106.959 MeV] (A_Hg:392)
198Hg80 + 8 D* --> 134Xe54 + 80Se34 + 240.016 MeV [105.969 MeV] (A_Hg:393)
198Hg80 + 8 D* --> 136Xe54 + 78Se34 + 237.583 MeV [103.536 MeV] (A_Hg:394)
198Hg80 + 8 D* --> 138Ba56 + 76Ge32 + 235.606 MeV [101.559 MeV] (A_Hg:395)
198Hg80 + 8 D* --> 150Nd60 + 64Ni28 + 214.920 MeV [80.873 MeV] (A_Hg:396)
198Hg80 + 8 D* --> 160Gd64 + 54Cr24 + 199.013 MeV [64.965 MeV] (A_Hg:397)
198Hg80 + 8 D* --> 164Dy66 + 50Ti22 + 191.531 MeV [57.484 MeV] (A_Hg:398)
198Hg80 + 8 D* --> 166Er68 + 48Ca20 + 183.277 MeV [49.230 MeV] (A_Hg:399)
198Hg80 + 8 D* --> 168Er68 + 46Ca20 + 180.263 MeV [46.216 MeV] (A_Hg:400)
198Hg80 + 8 D* --> 170Er68 + 44Ca20 + 175.714 MeV [41.667 MeV] (A_Hg:401)
198Hg80 + 8 D* --> 174Yb70 + 40Ar18 + 166.121 MeV [32.074 MeV] (A_Hg:402)
198Hg80 + 8 D* --> 176Yb70 + 38Ar18 + 162.340 MeV [28.293 MeV] (A_Hg:403)
198Hg80 + 8 D* --> 178Hf72 + 36S16 + 157.240 MeV [23.193 MeV] (A_Hg:404)
198Hg80 + 8 D* --> 180Hf72 + 34S16 + 153.852 MeV [19.805 MeV] (A_Hg:405)
198Hg80 + 8 D* --> 184W74 + 30Si14 + 144.272 MeV [10.225 MeV] (A_Hg:406)
198Hg80 + 8 D* --> 186W74 + 28Si14 + 138.134 MeV [4.087 MeV] (A_Hg:407)
198Hg80 + 8 D* --> 187Re75 + 27Al13 + 132.544 MeV [-1.503 MeV] (A_Hg:408)
198Hg80 + 8 D* --> 188Os76 + 26Mg12 + 131.482 MeV [-2.565 MeV] (A_Hg:409)
198Hg80 + 8 D* --> 189Os76 + 25Mg12 + 126.310 MeV [-7.737 MeV] (A_Hg:410)
198Hg80 + 8 D* --> 190Os76 + 24Mg12 + 126.771 MeV [-7.276 MeV] (A_Hg:411)
198Hg80 + 8 D* --> 191Ir77 + 23Na11 + 120.368 MeV [-13.679 MeV] (A_Hg:412)
198Hg80 + 8 D* --> 192Pt78 + 22Ne10 + 118.449 MeV [-15.598 MeV] (A_Hg:413)
198Hg80 + 8 D* --> 194Pt78 + 20Ne10 + 115.936 MeV [-18.111 MeV] (A_Hg:414)
198Hg80 + 8 D* --> 196Hg80 + 18O8 + 106.740 MeV [-27.307 MeV] (A_Hg:415)
198Hg80 + 8 D* --> 198Hg80 + 16O8 + 109.823 MeV [-24.224 MeV] (A_Hg:416)

198Hg80 + 9 D* --> 176Yb70 + 40K19 + 174.296 MeV [22.232 MeV] (A_Hg:417)
198Hg80 + 9 D* --> 176Lu71 + 40Ar18 + 175.694 MeV [23.630 MeV] (A_Hg:418)
198Hg80 + 9 D* --> 179Hf72 + 37Cl17 + 169.501 MeV [17.437 MeV] (A_Hg:419)
198Hg80 + 9 D* --> 180Ta73 + 36S16 + 166.867 MeV [14.803 MeV] (A_Hg:420)
198Hg80 + 9 D* --> 187Re75 + 29Si14 + 150.378 MeV [-1.686 MeV] (A_Hg:421)
198Hg80 + 9 D* --> 189Os76 + 27Al13 + 143.449 MeV [-8.615 MeV] (A_Hg:422)
198Hg80 + 9 D* --> 191Ir77 + 25Mg12 + 137.166 MeV [-14.898 MeV] (A_Hg:423)

198Hg80 + 10 D* --> 122Sn50 + 96Zr40 + 275.792 MeV [105.436 MeV] (A_Hg:424)
198Hg80 + 10 D* --> 124Sn50 + 94Zr40 + 275.906 MeV [105.551 MeV] (A_Hg:425)
198Hg80 + 10 D* --> 130Te52 + 88Sr38 + 275.676 MeV [105.320 MeV] (A_Hg:426)
198Hg80 + 10 D* --> 132Xe54 + 86Kr36 + 272.949 MeV [102.593 MeV] (A_Hg:427)
198Hg80 + 10 D* --> 134Xe54 + 84Kr36 + 270.958 MeV [100.602 MeV] (A_Hg:428)

198Hg80 + 10 D* --> 136Xe54 + 82Kr36 + 267.417 MeV [97.062 MeV] (A_Hg:429)
198Hg80 + 10 D* --> 136Ba56 + 82Se34 + 266.884 MeV [96.528 MeV] (A_Hg:430)
198Hg80 + 10 D* --> 138Ba56 + 80Se34 + 266.424 MeV [96.069 MeV] (A_Hg:431)
198Hg80 + 10 D* --> 142Ce58 + 76Ge32 + 258.154 MeV [87.798 MeV] (A_Hg:432)
198Hg80 + 10 D* --> 148Nd60 + 70Zn30 + 247.381 MeV [77.025 MeV] (A_Hg:433)
198Hg80 + 10 D* --> 150Nd60 + 68Zn30 + 244.100 MeV [73.744 MeV] (A_Hg:434)
198Hg80 + 10 D* --> 154Sm62 + 64Ni28 + 239.964 MeV [69.608 MeV] (A_Hg:435)
198Hg80 + 10 D* --> 160Gd64 + 58Fe26 + 230.505 MeV [60.149 MeV] (A_Hg:436)
198Hg80 + 10 D* --> 164Dy66 + 54Cr24 + 223.309 MeV [52.953 MeV] (A_Hg:437)
198Hg80 + 10 D* --> 168Er68 + 50Ti22 + 214.826 MeV [44.470 MeV] (A_Hg:438)
198Hg80 + 10 D* --> 170Er68 + 48Ti22 + 209.005 MeV [38.649 MeV] (A_Hg:439)
198Hg80 + 10 D* --> 170Yb70 + 48Ca20 + 205.386 MeV [35.030 MeV] (A_Hg:440)
198Hg80 + 10 D* --> 172Yb70 + 46Ca20 + 202.798 MeV [32.442 MeV] (A_Hg:441)
198Hg80 + 10 D* --> 174Yb70 + 44Ca20 + 198.821 MeV [28.465 MeV] (A_Hg:442)
198Hg80 + 10 D* --> 176Yb70 + 42Ca20 + 192.444 MeV [22.088 MeV] (A_Hg:443)
198Hg80 + 10 D* --> 178Hf72 + 40Ar18 + 187.887 MeV [17.531 MeV] (A_Hg:444)
198Hg80 + 10 D* --> 180Hf72 + 38Ar18 + 184.906 MeV [14.550 MeV] (A_Hg:445)
198Hg80 + 10 D* --> 181Ta73 + 37Cl17 + 180.606 MeV [10.250 MeV] (A_Hg:446)
198Hg80 + 10 D* --> 182W74 + 36S16 + 179.314 MeV [8.959 MeV] (A_Hg:447)
198Hg80 + 10 D* --> 184W74 + 34S16 + 176.042 MeV [5.686 MeV] (A_Hg:448)
198Hg80 + 10 D* --> 186W74 + 32S16 + 168.928 MeV [-1.428 MeV] (A_Hg:449)
198Hg80 + 10 D* --> 187Re75 + 31P15 + 166.059 MeV [-4.296 MeV] (A_Hg:450)
198Hg80 + 10 D* --> 188Os76 + 30Si14 + 165.972 MeV [-4.384 MeV] (A_Hg:451)
198Hg80 + 10 D* --> 189Os76 + 29Si14 + 161.283 MeV [-9.073 MeV] (A_Hg:452)
198Hg80 + 10 D* --> 190Os76 + 28Si14 + 160.602 MeV [-9.754 MeV] (A_Hg:453)
198Hg80 + 10 D* --> 191Ir77 + 27Al13 + 154.306 MeV [-16.050 MeV] (A_Hg:454)
198Hg80 + 10 D* --> 192Pt78 + 26Mg12 + 152.910 MeV [-17.446 MeV] (A_Hg:455)
198Hg80 + 10 D* --> 194Pt78 + 24Mg12 + 149.099 MeV [-21.256 MeV] (A_Hg:456)
198Hg80 + 10 D* --> 196Hg80 + 22Ne10 + 140.254 MeV [-30.102 MeV] (A_Hg:457)
198Hg80 + 10 D* --> 198Hg80 + 20Ne10 + 138.399 MeV [-31.957 MeV] (A_Hg:458)

198Hg80 + 11 D* --> 138La57 + 82Se34 + 277.657 MeV [88.736 MeV] (A_Hg:459)
198Hg80 + 11 D* --> 170Er68 + 50V23 + 222.875 MeV [33.954 MeV] (A_Hg:460)
198Hg80 + 11 D* --> 176Lu71 + 44Ca20 + 208.394 MeV [19.473 MeV] (A_Hg:461)
198Hg80 + 11 D* --> 179Hf72 + 41K19 + 199.570 MeV [10.649 MeV] (A_Hg:462)
198Hg80 + 11 D* --> 180Hf72 + 40K19 + 196.862 MeV [7.941 MeV] (A_Hg:463)
198Hg80 + 11 D* --> 180Ta73 + 40Ar18 + 197.515 MeV [8.594 MeV] (A_Hg:464)
198Hg80 + 11 D* --> 183W74 + 37Cl17 + 191.667 MeV [2.746 MeV] (A_Hg:465)
198Hg80 + 11 D* --> 187Re75 + 33S16 + 181.340 MeV [-7.581 MeV] (A_Hg:466)
198Hg80 + 11 D* --> 189Os76 + 31P15 + 176.965 MeV [-11.956 MeV] (A_Hg:467)
198Hg80 + 11 D* --> 191Ir77 + 29Si14 + 172.140 MeV [-16.781 MeV] (A_Hg:468)

198Hg80 + 12 D* --> 122Sn50 + 100Mo42 + 302.804 MeV [95.047 MeV] (A_Hg:469)
198Hg80 + 12 D* --> 124Sn50 + 98Mo42 + 303.023 MeV [95.265 MeV] (A_Hg:470)
198Hg80 + 12 D* --> 126Te52 + 96Zr40 + 302.182 MeV [94.424 MeV] (A_Hg:471)
198Hg80 + 12 D* --> 128Te52 + 94Zr40 + 302.933 MeV [95.175 MeV] (A_Hg:472)
198Hg80 + 12 D* --> 130Te52 + 92Zr40 + 302.480 MeV [94.722 MeV] (A_Hg:473)
198Hg80 + 12 D* --> 134Xe54 + 88Sr38 + 302.720 MeV [94.963 MeV] (A_Hg:474)
198Hg80 + 12 D* --> 136Xe54 + 86Sr38 + 297.623 MeV [89.865 MeV] (A_Hg:475)
198Hg80 + 12 D* --> 136Ba56 + 86Kr36 + 298.827 MeV [91.069 MeV] (A_Hg:476)
198Hg80 + 12 D* --> 138Ba56 + 84Kr36 + 297.367 MeV [89.609 MeV] (A_Hg:477)
198Hg80 + 12 D* --> 140Ce58 + 82Se34 + 292.352 MeV [84.594 MeV] (A_Hg:478)
198Hg80 + 12 D* --> 142Ce58 + 80Se34 + 288.973 MeV [81.215 MeV] (A_Hg:479)
198Hg80 + 12 D* --> 146Nd60 + 76Ge32 + 280.818 MeV [73.060 MeV] (A_Hg:480)

198Hg80 + 12 D* --> 148Nd60 + 74Ge32 + 277.510 MeV [69.752 MeV] (A_Hg:481)
198Hg80 + 12 D* --> 150Nd60 + 72Ge32 + 272.950 MeV [65.192 MeV] (A_Hg:482)
198Hg80 + 12 D* --> 152Sm62 + 70Zn30 + 271.008 MeV [63.250 MeV] (A_Hg:483)
198Hg80 + 12 D* --> 154Sm62 + 68Zn30 + 269.143 MeV [61.385 MeV] (A_Hg:484)
198Hg80 + 12 D* --> 158Gd64 + 64Ni28 + 264.470 MeV [56.712 MeV] (A_Hg:485)
198Hg80 + 12 D* --> 160Gd64 + 62Ni28 + 261.369 MeV [53.611 MeV] (A_Hg:486)
198Hg80 + 12 D* --> 164Dy66 + 58Fe26 + 254.801 MeV [47.043 MeV] (A_Hg:487)
198Hg80 + 12 D* --> 168Er68 + 54Cr24 + 246.603 MeV [38.846 MeV] (A_Hg:488)
198Hg80 + 12 D* --> 170Er68 + 52Cr24 + 242.206 MeV [34.448 MeV] (A_Hg:489)
198Hg80 + 12 D* --> 172Yb70 + 50Ti22 + 237.361 MeV [29.603 MeV] (A_Hg:490)
198Hg80 + 12 D* --> 173Yb70 + 49Ti22 + 232.789 MeV [25.031 MeV] (A_Hg:491)
198Hg80 + 12 D* --> 174Yb70 + 48Ti22 + 232.112 MeV [24.354 MeV] (A_Hg:492)
198Hg80 + 12 D* --> 176Yb70 + 46Ti22 + 224.292 MeV [16.534 MeV] (A_Hg:493)
198Hg80 + 12 D* --> 174Hf72 + 48Ca20 + 226.735 MeV [18.977 MeV] (A_Hg:494)
198Hg80 + 12 D* --> 176Hf72 + 46Ca20 + 224.387 MeV [16.629 MeV] (A_Hg:495)
198Hg80 + 12 D* --> 178Hf72 + 44Ca20 + 220.587 MeV [12.829 MeV] (A_Hg:496)
198Hg80 + 12 D* --> 179Hf72 + 43Ca20 + 215.555 MeV [7.797 MeV] (A_Hg:497)
198Hg80 + 12 D* --> 180Hf72 + 42Ca20 + 215.010 MeV [7.252 MeV] (A_Hg:498)
198Hg80 + 12 D* --> 181Ta73 + 41K19 + 210.675 MeV [2.917 MeV] (A_Hg:499)
198Hg80 + 12 D* --> 182W74 + 40Ar18 + 209.962 MeV [2.204 MeV] (A_Hg:500)
198Hg80 + 12 D* --> 184W74 + 38Ar18 + 207.096 MeV [-0.662 MeV] (A_Hg:501)
198Hg80 + 12 D* --> 186W74 + 36Ar18 + 199.415 MeV [-8.343 MeV] (A_Hg:502)
198Hg80 + 12 D* --> 185Re75 + 37Cl17 + 202.258 MeV [-5.500 MeV] (A_Hg:503)
198Hg80 + 12 D* --> 187Re75 + 35Cl17 + 196.903 MeV [-10.854 MeV] (A_Hg:504)
198Hg80 + 12 D* --> 186Os76 + 36S16 + 200.338 MeV [-7.420 MeV] (A_Hg:505)
198Hg80 + 12 D* --> 188Os76 + 34S16 + 197.742 MeV [-10.015 MeV] (A_Hg:506)
198Hg80 + 12 D* --> 189Os76 + 33S16 + 192.246 MeV [-15.512 MeV] (A_Hg:507)
198Hg80 + 12 D* --> 190Os76 + 32S16 + 191.396 MeV [-16.362 MeV] (A_Hg:508)
198Hg80 + 12 D* --> 191Ir77 + 31P15 + 187.822 MeV [-19.936 MeV] (A_Hg:509)
198Hg80 + 12 D* --> 192Pt78 + 30Si14 + 187.400 MeV [-20.358 MeV] (A_Hg:510)
198Hg80 + 12 D* --> 194Pt78 + 28Si14 + 182.930 MeV [-24.828 MeV] (A_Hg:511)
198Hg80 + 12 D* --> 196Hg80 + 26Mg12 + 174.715 MeV [-33.042 MeV] (A_Hg:512)
198Hg80 + 12 D* --> 198Hg80 + 24Mg12 + 171.562 MeV [-36.196 MeV] (A_Hg:513)

199Hg80 + D* --> 186W74 + 15N7 + 25.997 MeV [10.264 MeV] (A_Hg:514)
199Hg80 + D* --> 190Os76 + 11B5 + 13.627 MeV [-2.106 MeV] (A_Hg:515)
199Hg80 + D* --> 194Pt78 + 7Li3 + 3.444 MeV [-12.289 MeV] (A_Hg:516)
199Hg80 + D* --> 195Pt78 + 6Li3 + 2.299 MeV [-13.434 MeV] (A_Hg:517)
199Hg80 + D* --> 197Au79 + 4He2 + 12.305 MeV [-3.428 MeV] (A_Hg:518)
199Hg80 + D* --> 200Hg80 + 1H1 + 5.804 MeV [-9.929 MeV] (A_Hg:519)

199Hg80 + 2 D* --> 186W74 + 17O8 + 40.043 MeV [8.288 MeV] (A_Hg:520)
199Hg80 + 2 D* --> 190Os76 + 13C6 + 32.306 MeV [00.551 MeV] (A_Hg:521)
199Hg80 + 2 D* --> 193Ir77 + 10B5 + 19.207 MeV [-12.547 MeV] (A_Hg:522)
199Hg80 + 2 D* --> 194Pt78 + 9Be4 + 20.140 MeV [-11.614 MeV] (A_Hg:523)
199Hg80 + 2 D* --> 197Au79 + 6Li3 + 13.779 MeV [-17.976 MeV] (A_Hg:524)
199Hg80 + 2 D* --> 199Hg80 + 4He2 + 23.847 MeV [-7.908 MeV] (A_Hg:525)
199Hg80 + 2 D* --> 200Hg80 + 3He2 + 11.297 MeV [-20.457 MeV] (A_Hg:526)

199Hg80 + 3 D* --> 186W74 + 19F9 + 53.857 MeV [5.795 MeV] (A_Hg:527)
199Hg80 + 3 D* --> 187Re75 + 18O8 + 51.857 MeV [3.795 MeV] (A_Hg:528)
199Hg80 + 3 D* --> 190Os76 + 15N7 + 48.465 MeV [00.403 MeV] (A_Hg:529)
199Hg80 + 3 D* --> 193Ir77 + 12C6 + 44.394 MeV [-3.668 MeV] (A_Hg:530)
199Hg80 + 3 D* --> 194Pt78 + 11B5 + 35.955 MeV [-12.107 MeV] (A_Hg:531)

199Hg80 + 3 D* --> 195Pt78 + 10B5 + 30.606 MeV [-17.456 MeV] (A_Hg:532)
199Hg80 + 3 D* --> 198Hg80 + 7Li3 + 25.906 MeV [-22.156 MeV] (A_Hg:533)
199Hg80 + 3 D* --> 199Hg80 + 6Li3 + 25.320 MeV [-22.742 MeV] (A_Hg:534)
199Hg80 + 3 D* --> 204Pb82 + 1H1 + 27.681 MeV [-20.381 MeV] (A_Hg:535)

199Hg80 + 4 D* --> 186W74 + 21Ne10 + 71.237 MeV [6.582 MeV] (A_Hg:536)
199Hg80 + 4 D* --> 189Os76 + 18O8 + 62.763 MeV [-1.892 MeV] (A_Hg:537)
199Hg80 + 4 D* --> 190Os76 + 17O8 + 62.511 MeV [-2.144 MeV] (A_Hg:538)
199Hg80 + 4 D* --> 193Ir77 + 14N7 + 54.666 MeV [-9.989 MeV] (A_Hg:539)
199Hg80 + 4 D* --> 194Pt78 + 13C6 + 54.634 MeV [-10.021 MeV] (A_Hg:540)
199Hg80 + 4 D* --> 195Pt78 + 12C6 + 55.793 MeV [-8.862 MeV] (A_Hg:541)
199Hg80 + 4 D* --> 197Au79 + 10B5 + 42.086 MeV [-22.569 MeV] (A_Hg:542)
199Hg80 + 4 D* --> 198Hg80 + 9Be4 + 42.603 MeV [-22.052 MeV] (A_Hg:543)
199Hg80 + 4 D* --> 204Pb82 + 3He2 + 33.174 MeV [-31.480 MeV] (A_Hg:544)

199Hg80 + 5 D* --> 186W74 + 23Na11 + 88.171 MeV [6.641 MeV] (A_Hg:545)
199Hg80 + 5 D* --> 187Re75 + 22Ne10 + 85.372 MeV [3.842 MeV] (A_Hg:546)
199Hg80 + 5 D* --> 190Os76 + 19F9 + 76.325 MeV [-5.205 MeV] (A_Hg:547)
199Hg80 + 5 D* --> 191Ir77 + 18O8 + 73.619 MeV [-7.911 MeV] (A_Hg:548)
199Hg80 + 5 D* --> 193Ir77 + 16O8 + 75.402 MeV [-6.128 MeV] (A_Hg:549)
199Hg80 + 5 D* --> 194Pt78 + 15N7 + 70.793 MeV [-10.737 MeV] (A_Hg:550)
199Hg80 + 5 D* --> 195Pt78 + 14N7 + 66.065 MeV [-15.465 MeV] (A_Hg:551)
199Hg80 + 5 D* --> 197Au79 + 12C6 + 67.273 MeV [-14.258 MeV] (A_Hg:552)
199Hg80 + 5 D* --> 198Hg80 + 11B5 + 58.418 MeV [-23.112 MeV] (A_Hg:553)
199Hg80 + 5 D* --> 199Hg80 + 10B5 + 53.628 MeV [-27.903 MeV] (A_Hg:554)

199Hg80 + 6 D* --> 163Dy66 + 48Ca20 + 159.868 MeV [61.180 MeV] (A_Hg:555)
199Hg80 + 6 D* --> 186W74 + 25Mg12 + 104.970 MeV [6.282 MeV] (A_Hg:556)
199Hg80 + 6 D* --> 189Os76 + 22Ne10 + 96.277 MeV [-2.410 MeV] (A_Hg:557)
199Hg80 + 6 D* --> 190Os76 + 21Ne10 + 93.705 MeV [-4.982 MeV] (A_Hg:558)
199Hg80 + 6 D* --> 194Pt78 + 17O8 + 84.839 MeV [-13.848 MeV] (A_Hg:559)
199Hg80 + 6 D* --> 195Pt78 + 16O8 + 86.801 MeV [-11.886 MeV] (A_Hg:560)
199Hg80 + 6 D* --> 197Au79 + 14N7 + 77.545 MeV [-21.142 MeV] (A_Hg:561)
199Hg80 + 6 D* --> 198Hg80 + 13C6 + 77.097 MeV [-21.591 MeV] (A_Hg:562)
199Hg80 + 6 D* --> 199Hg80 + 12C6 + 78.814 MeV [-19.873 MeV] (A_Hg:563)

199Hg80 + 7 D* --> 165Ho67 + 48Ca20 + 171.522 MeV [55.398 MeV] (A_Hg:564)
199Hg80 + 7 D* --> 176Yb70 + 37Cl17 + 147.659 MeV [31.535 MeV] (A_Hg:565)
199Hg80 + 7 D* --> 186W74 + 27Al13 + 122.109 MeV [5.985 MeV] (A_Hg:566)
199Hg80 + 7 D* --> 187Re75 + 26Mg12 + 119.833 MeV [3.709 MeV] (A_Hg:567)
199Hg80 + 7 D* --> 190Os76 + 23Na11 + 110.639 MeV [-5.485 MeV] (A_Hg:568)
199Hg80 + 7 D* --> 191Ir77 + 22Ne10 + 107.134 MeV [-8.990 MeV] (A_Hg:569)
199Hg80 + 7 D* --> 193Ir77 + 20Ne10 + 103.979 MeV [-12.145 MeV] (A_Hg:570)
199Hg80 + 7 D* --> 194Pt78 + 19F9 + 98.654 MeV [-17.471 MeV] (A_Hg:571)
199Hg80 + 7 D* --> 197Au79 + 16O8 + 98.281 MeV [-17.843 MeV] (A_Hg:572)
199Hg80 + 7 D* --> 198Hg80 + 15N7 + 93.256 MeV [-22.868 MeV] (A_Hg:573)
199Hg80 + 7 D* --> 199Hg80 + 14N7 + 89.087 MeV [-27.037 MeV] (A_Hg:574)

199Hg80 + 8 D* --> 167Er68 + 48Ca20 + 183.050 MeV [49.211 MeV] (A_Hg:575)
199Hg80 + 8 D* --> 179Hf72 + 36S16 + 156.675 MeV [22.836 MeV] (A_Hg:576)
199Hg80 + 8 D* --> 186W74 + 29Si14 + 139.943 MeV [6.104 MeV] (A_Hg:577)
199Hg80 + 8 D* --> 189Os76 + 26Mg12 + 130.739 MeV [-3.100 MeV] (A_Hg:578)
199Hg80 + 8 D* --> 190Os76 + 25Mg12 + 127.438 MeV [-6.401 MeV] (A_Hg:579)
199Hg80 + 8 D* --> 194Pt78 + 21Ne10 + 116.034 MeV [-17.805 MeV] (A_Hg:580)

199Hg80 + 8 D* --> 195Pt78 + 20Ne10 + 115.378 MeV [-18.461 MeV] (A_Hg:581)
199Hg80 + 8 D* --> 198Hg80 + 17O8 + 107.302 MeV [-26.537 MeV] (A_Hg:582)
199Hg80 + 8 D* --> 199Hg80 + 16O8 + 109.823 MeV [-24.016 MeV] (A_Hg:583)

199Hg80 + 9 D* --> 130Te52 + 87Rb37 + 260.624 MeV [108.794 MeV] (A_Hg:584)
199Hg80 + 9 D* --> 136Xe54 + 81Br35 + 253.074 MeV [101.244 MeV] (A_Hg:585)
199Hg80 + 9 D* --> 169Tm69 + 48Ca20 + 194.169 MeV [42.338 MeV] (A_Hg:586)
199Hg80 + 9 D* --> 176Yb70 + 41K19 + 177.728 MeV [25.898 MeV] (A_Hg:587)
199Hg80 + 9 D* --> 180Hf72 + 37Cl17 + 170.224 MeV [18.394 MeV] (A_Hg:588)
199Hg80 + 9 D* --> 181Ta73 + 36S16 + 167.780 MeV [15.950 MeV] (A_Hg:589)
199Hg80 + 9 D* --> 186W74 + 31P15 + 155.625 MeV [3.795 MeV] (A_Hg:590)
199Hg80 + 9 D* --> 187Re75 + 30Si14 + 154.323 MeV [2.493 MeV] (A_Hg:591)
199Hg80 + 9 D* --> 190Os76 + 27Al13 + 144.577 MeV [-7.253 MeV] (A_Hg:592)
199Hg80 + 9 D* --> 191Ir77 + 26Mg12 + 141.595 MeV [-10.235 MeV] (A_Hg:593)
199Hg80 + 9 D* --> 193Ir77 + 24Mg12 + 137.142 MeV [-14.688 MeV] (A_Hg:594)
199Hg80 + 9 D* --> 194Pt78 + 23Na11 + 132.967 MeV [-18.863 MeV] (A_Hg:595)
199Hg80 + 9 D* --> 197Au79 + 20Ne10 + 126.857 MeV [-24.973 MeV] (A_Hg:596)
199Hg80 + 9 D* --> 198Hg80 + 19F9 + 121.116 MeV [-30.714 MeV] (A_Hg:597)

199Hg80 + 10 D* --> 136Xe54 + 83Kr36 + 268.217 MeV [98.121 MeV] (A_Hg:598)
199Hg80 + 10 D* --> 137Ba56 + 82Se34 + 267.125 MeV [97.029 MeV] (A_Hg:599)
199Hg80 + 10 D* --> 170Er68 + 49Ti22 + 210.484 MeV [40.387 MeV] (A_Hg:600)
199Hg80 + 10 D* --> 171Yb70 + 48Ca20 + 205.336 MeV [35.240 MeV] (A_Hg:601)
199Hg80 + 10 D* --> 173Yb70 + 46Ca20 + 202.502 MeV [32.405 MeV] (A_Hg:602)
199Hg80 + 10 D* --> 176Yb70 + 43Ca20 + 193.713 MeV [23.617 MeV] (A_Hg:603)
199Hg80 + 10 D* --> 179Hf72 + 40Ar18 + 187.322 MeV [17.226 MeV] (A_Hg:604)
199Hg80 + 10 D* --> 183W74 + 36S16 + 178.841 MeV [8.745 MeV] (A_Hg:605)
199Hg80 + 10 D* --> 186W74 + 33S16 + 170.906 MeV [00.810 MeV] (A_Hg:606)
199Hg80 + 10 D* --> 189Os76 + 30Si14 + 165.228 MeV [-4.868 MeV] (A_Hg:607)
199Hg80 + 10 D* --> 190Os76 + 29Si14 + 162.412 MeV [-7.685 MeV] (A_Hg:608)
199Hg80 + 10 D* --> 194Pt78 + 25Mg12 + 149.766 MeV [-20.330 MeV] (A_Hg:609)
199Hg80 + 10 D* --> 195Pt78 + 24Mg12 + 148.541 MeV [-21.556 MeV] (A_Hg:610)
199Hg80 + 10 D* --> 198Hg80 + 21Ne10 + 138.496 MeV [-31.600 MeV] (A_Hg:611)
199Hg80 + 10 D* --> 199Hg80 + 20Ne10 + 138.399 MeV [-31.697 MeV] (A_Hg:612)

199Hg80 + 11 D* --> 134Xe54 + 87Rb37 + 287.668 MeV [99.033 MeV] (A_Hg:613)
199Hg80 + 11 D* --> 136Xe54 + 85Rb37 + 283.538 MeV [94.903 MeV] (A_Hg:614)
199Hg80 + 11 D* --> 139La57 + 82Se34 + 279.771 MeV [91.136 MeV] (A_Hg:615)
199Hg80 + 11 D* --> 150Nd60 + 71Ga31 + 258.776 MeV [70.140 MeV] (A_Hg:616)
199Hg80 + 11 D* --> 170Er68 + 51V23 + 227.262 MeV [38.626 MeV] (A_Hg:617)
199Hg80 + 11 D* --> 176Yb70 + 45Sc21 + 209.508 MeV [20.872 MeV] (A_Hg:618)
199Hg80 + 11 D* --> 175Lu71 + 46Ca20 + 213.252 MeV [24.616 MeV] (A_Hg:619)
199Hg80 + 11 D* --> 180Hf72 + 41K19 + 200.293 MeV [11.658 MeV] (A_Hg:620)
199Hg80 + 11 D* --> 181Ta73 + 40Ar18 + 198.427 MeV [9.792 MeV] (A_Hg:621)
199Hg80 + 11 D* --> 184W74 + 37Cl17 + 192.415 MeV [3.779 MeV] (A_Hg:622)
199Hg80 + 11 D* --> 186W74 + 35Cl17 + 186.469 MeV [-2.167 MeV] (A_Hg:623)
199Hg80 + 11 D* --> 185Re75 + 36S16 + 189.432 MeV [00.797 MeV] (A_Hg:624)
199Hg80 + 11 D* --> 187Re75 + 34S16 + 186.093 MeV [-2.542 MeV] (A_Hg:625)
199Hg80 + 11 D* --> 190Os76 + 31P15 + 178.093 MeV [-10.542 MeV] (A_Hg:626)
199Hg80 + 11 D* --> 191Ir77 + 30Si14 + 176.085 MeV [-12.550 MeV] (A_Hg:627)
199Hg80 + 11 D* --> 193Ir77 + 28Si14 + 170.972 MeV [-17.663 MeV] (A_Hg:628)
199Hg80 + 11 D* --> 194Pt78 + 27Al13 + 166.906 MeV [-21.730 MeV] (A_Hg:629)
199Hg80 + 11 D* --> 197Au79 + 24Mg12 + 160.021 MeV [-28.615 MeV] (A_Hg:630)
199Hg80 + 11 D* --> 198Hg80 + 23Na11 + 155.430 MeV [-33.205 MeV] (A_Hg:631)

199Hg80 + 12 D* --> 136Xe54 + 87Sr38 + 299.387 MeV [91.940 MeV] (A_Hg:632)
199Hg80 + 12 D* --> 137Ba56 + 86Kr36 + 299.068 MeV [91.622 MeV] (A_Hg:633)
199Hg80 + 12 D* --> 150Nd60 + 73Ge32 + 273.069 MeV [65.622 MeV] (A_Hg:634)
199Hg80 + 12 D* --> 170Er68 + 53Cr24 + 243.481 MeV [36.034 MeV] (A_Hg:635)
199Hg80 + 12 D* --> 173Yb70 + 50Ti22 + 237.065 MeV [29.618 MeV] (A_Hg:636)
199Hg80 + 12 D* --> 174Yb70 + 49Ti22 + 233.590 MeV [26.143 MeV] (A_Hg:637)
199Hg80 + 12 D* --> 176Yb70 + 47Ti22 + 226.508 MeV [19.061 MeV] (A_Hg:638)
199Hg80 + 12 D* --> 177Hf72 + 46Ca20 + 224.106 MeV [16.659 MeV] (A_Hg:639)
199Hg80 + 12 D* --> 179Hf72 + 44Ca20 + 220.022 MeV [12.575 MeV] (A_Hg:640)
199Hg80 + 12 D* --> 180Hf72 + 43Ca20 + 216.279 MeV [8.832 MeV] (A_Hg:641)
199Hg80 + 12 D* --> 183W74 + 40Ar18 + 209.489 MeV [2.042 MeV] (A_Hg:642)
199Hg80 + 12 D* --> 187Os76 + 36S16 + 199.964 MeV [-7.483 MeV] (A_Hg:643)
199Hg80 + 12 D* --> 189Os76 + 34S16 + 196.999 MeV [-10.448 MeV] (A_Hg:644)
199Hg80 + 12 D* --> 190Os76 + 33S16 + 193.374 MeV [-14.073 MeV] (A_Hg:645)
199Hg80 + 12 D* --> 194Pt78 + 29Si14 + 184.740 MeV [-22.707 MeV] (A_Hg:646)
199Hg80 + 12 D* --> 195Pt78 + 28Si14 + 182.371 MeV [-25.076 MeV] (A_Hg:647)
199Hg80 + 12 D* --> 198Hg80 + 25Mg12 + 172.229 MeV [-35.218 MeV] (A_Hg:648)
199Hg80 + 12 D* --> 199Hg80 + 24Mg12 + 171.562 MeV [-35.885 MeV] (A_Hg:649)

200Hg80 + D* --> 192Os76 + 10B5 + 7.461 MeV [-8.246 MeV] (A_Hg:650)
200Hg80 + D* --> 193Ir77 + 9Be4 + 6.818 MeV [-8.889 MeV] (A_Hg:651)
200Hg80 + D* --> 195Pt78 + 7Li3 + 1.520 MeV [-14.187 MeV] (A_Hg:652)
200Hg80 + D* --> 196Pt78 + 6Li3 + 2.192 MeV [-13.515 MeV] (A_Hg:653)
200Hg80 + D* --> 201Hg80 + 1H1 + 4.006 MeV [-11.701 MeV] (A_Hg:654)

200Hg80 + 2 D* --> 186W74 + 18O8 + 40.058 MeV [8.356 MeV] (A_Hg:655)
200Hg80 + 2 D* --> 192Os76 + 12C6 + 32.648 MeV [00.946 MeV] (A_Hg:656)
200Hg80 + 2 D* --> 193Ir77 + 11B5 + 22.633 MeV [-9.069 MeV] (A_Hg:657)
200Hg80 + 2 D* --> 195Pt78 + 9Be4 + 18.217 MeV [-13.486 MeV] (A_Hg:658)
200Hg80 + 2 D* --> 197Au79 + 7Li3 + 13.000 MeV [-18.702 MeV] (A_Hg:659)
200Hg80 + 2 D* --> 200Hg80 + 4He2 + 23.847 MeV [-7.856 MeV] (A_Hg:660)
200Hg80 + 2 D* --> 201Hg80 + 3He2 + 9.499 MeV [-22.203 MeV] (A_Hg:661)
200Hg80 + 2 D* --> 203Tl81 + 1H1 + 15.240 MeV [-16.463 MeV] (A_Hg:662)
200Hg80 + 2 D* --> 204Pb82 + 21.877 MeV [-9.825 MeV] (A_Hg:663)

200Hg80 + 3 D* --> 192Os76 + 14N7 + 42.920 MeV [-5.064 MeV] (A_Hg:664)
200Hg80 + 3 D* --> 193Ir77 + 13C6 + 41.312 MeV [-6.672 MeV] (A_Hg:665)
200Hg80 + 3 D* --> 195Pt78 + 11B5 + 34.032 MeV [-13.952 MeV] (A_Hg:666)
200Hg80 + 3 D* --> 196Pt78 + 10B5 + 30.500 MeV [-17.484 MeV] (A_Hg:667)
200Hg80 + 3 D* --> 197Au79 + 9Be4 + 29.696 MeV [-18.288 MeV] (A_Hg:668)
200Hg80 + 3 D* --> 199Hg80 + 7Li3 + 24.542 MeV [-23.442 MeV] (A_Hg:669)
200Hg80 + 3 D* --> 200Hg80 + 6Li3 + 25.320 MeV [-22.664 MeV] (A_Hg:670)
200Hg80 + 3 D* --> 203Tl81 + 3He2 + 20.733 MeV [-27.251 MeV] (A_Hg:671)
200Hg80 + 3 D* --> 204Pb82 + 2H1 + 21.877 MeV [-26.107 MeV] (A_Hg:672)

200Hg80 + 4 D* --> 160Gd64 + 48Ca20 + 135.202 MeV [70.651 MeV] (A_Hg:673)
200Hg80 + 4 D* --> 186W74 + 22Ne10 + 73.573 MeV [9.022 MeV] (A_Hg:674)
200Hg80 + 4 D* --> 190Os76 + 18O8 + 62.527 MeV [-2.024 MeV] (A_Hg:675)
200Hg80 + 4 D* --> 192Os76 + 16O8 + 63.656 MeV [-0.895 MeV] (A_Hg:676)
200Hg80 + 4 D* --> 193Ir77 + 15N7 + 57.471 MeV [-7.080 MeV] (A_Hg:677)
200Hg80 + 4 D* --> 195Pt78 + 13C6 + 52.711 MeV [-11.840 MeV] (A_Hg:678)
200Hg80 + 4 D* --> 196Pt78 + 12C6 + 55.686 MeV [-8.865 MeV] (A_Hg:679)
200Hg80 + 4 D* --> 197Au79 + 11B5 + 45.512 MeV [-19.039 MeV] (A_Hg:680)

200Hg80 + 4 D* --> 199Hg80 + 9Be4 + 41.238 MeV [-23.313 MeV] (A_Hg:681)
200Hg80 + 4 D* --> 204Pb82 + 4He2 + 45.724 MeV [-18.827 MeV] (A_Hg:682)

200Hg80 + 5 D* --> 193Ir77 + 17O8 + 71.517 MeV [-9.884 MeV] (A_Hg:683)
200Hg80 + 5 D* --> 195Pt78 + 15N7 + 68.870 MeV [-12.531 MeV] (A_Hg:684)
200Hg80 + 5 D* --> 196Pt78 + 14N7 + 65.959 MeV [-15.442 MeV] (A_Hg:685)
200Hg80 + 5 D* --> 197Au79 + 13C6 + 64.191 MeV [-17.210 MeV] (A_Hg:686)
200Hg80 + 5 D* --> 199Hg80 + 11B5 + 57.054 MeV [-24.347 MeV] (A_Hg:687)
200Hg80 + 5 D* --> 200Hg80 + 10B5 + 53.628 MeV [-27.773 MeV] (A_Hg:688)
200Hg80 + 5 D* --> 204Pb82 + 6Li3 + 47.197 MeV [-34.203 MeV] (A_Hg:689)

200Hg80 + 6 D* --> 130Te52 + 82Se34 + 214.256 MeV [115.724 MeV] (A_Hg:690)
200Hg80 + 6 D* --> 136Xe54 + 76Ge32 + 208.948 MeV [110.416 MeV] (A_Hg:691)
200Hg80 + 6 D* --> 164Dy66 + 48Ca20 + 159.498 MeV [60.966 MeV] (A_Hg:692)
200Hg80 + 6 D* --> 176Yb70 + 36S16 + 133.468 MeV [34.936 MeV] (A_Hg:693)
200Hg80 + 6 D* --> 186W74 + 26Mg12 + 108.034 MeV [9.502 MeV] (A_Hg:694)
200Hg80 + 6 D* --> 190Os76 + 22Ne10 + 96.041 MeV [-2.491 MeV] (A_Hg:695)
200Hg80 + 6 D* --> 192Os76 + 20Ne10 + 92.233 MeV [-6.299 MeV] (A_Hg:696)
200Hg80 + 6 D* --> 193Ir77 + 19F9 + 85.331 MeV [-13.201 MeV] (A_Hg:697)
200Hg80 + 6 D* --> 194Pt78 + 18O8 + 84.855 MeV [-13.677 MeV] (A_Hg:698)
200Hg80 + 6 D* --> 195Pt78 + 17O8 + 82.916 MeV [-15.616 MeV] (A_Hg:699)
200Hg80 + 6 D* --> 196Pt78 + 16O8 + 86.695 MeV [-11.837 MeV] (A_Hg:700)
200Hg80 + 6 D* --> 197Au79 + 15N7 + 80.350 MeV [-18.182 MeV] (A_Hg:701)
200Hg80 + 6 D* --> 199Hg80 + 13C6 + 75.732 MeV [-22.800 MeV] (A_Hg:702)
200Hg80 + 6 D* --> 200Hg80 + 12C6 + 78.814 MeV [-19.718 MeV] (A_Hg:703)

200Hg80 + 7 D* --> 193Ir77 + 21Ne10 + 102.712 MeV [-13.231 MeV] (A_Hg:704)
200Hg80 + 7 D* --> 195Pt78 + 19F9 + 96.730 MeV [-19.213 MeV] (A_Hg:705)
200Hg80 + 7 D* --> 197Au79 + 17O8 + 94.396 MeV [-21.547 MeV] (A_Hg:706)
200Hg80 + 7 D* --> 199Hg80 + 15N7 + 91.892 MeV [-24.051 MeV] (A_Hg:707)
200Hg80 + 7 D* --> 200Hg80 + 14N7 + 89.087 MeV [-26.856 MeV] (A_Hg:708)
200Hg80 + 7 D* --> 204Pb82 + 10B5 + 75.505 MeV [-40.438 MeV] (A_Hg:709)

200Hg80 + 8 D* --> 130Te52 + 86Kr36 + 246.199 MeV [112.567 MeV] (A_Hg:710)
200Hg80 + 8 D* --> 134Xe54 + 82Se34 + 241.300 MeV [107.668 MeV] (A_Hg:711)
200Hg80 + 8 D* --> 136Xe54 + 80Se34 + 239.767 MeV [106.135 MeV] (A_Hg:712)
200Hg80 + 8 D* --> 168Er68 + 48Ca20 + 182.792 MeV [49.160 MeV] (A_Hg:713)
200Hg80 + 8 D* --> 170Er68 + 46Ca20 + 178.831 MeV [45.199 MeV] (A_Hg:714)
200Hg80 + 8 D* --> 176Yb70 + 40Ar18 + 164.116 MeV [30.484 MeV] (A_Hg:715)
200Hg80 + 8 D* --> 180Hf72 + 36S16 + 156.034 MeV [22.402 MeV] (A_Hg:716)
200Hg80 + 8 D* --> 186W74 + 30Si14 + 142.524 MeV [8.892 MeV] (A_Hg:717)
200Hg80 + 8 D* --> 190Os76 + 26Mg12 + 130.503 MeV [-3.129 MeV] (A_Hg:718)
200Hg80 + 8 D* --> 192Os76 + 24Mg12 + 125.396 MeV [-8.236 MeV] (A_Hg:719)
200Hg80 + 8 D* --> 193Ir77 + 23Na11 + 119.645 MeV [-13.987 MeV] (A_Hg:720)
200Hg80 + 8 D* --> 194Pt78 + 22Ne10 + 118.369 MeV [-15.263 MeV] (A_Hg:721)
200Hg80 + 8 D* --> 195Pt78 + 21Ne10 + 114.110 MeV [-19.522 MeV] (A_Hg:722)
200Hg80 + 8 D* --> 196Pt78 + 20Ne10 + 115.271 MeV [-18.361 MeV] (A_Hg:723)
200Hg80 + 8 D* --> 197Au79 + 19F9 + 108.210 MeV [-25.422 MeV] (A_Hg:724)
200Hg80 + 8 D* --> 198Hg80 + 18O8 + 107.318 MeV [-26.314 MeV] (A_Hg:725)
200Hg80 + 8 D* --> 199Hg80 + 17O8 + 105.938 MeV [-27.694 MeV] (A_Hg:726)
200Hg80 + 8 D* --> 200Hg80 + 16O8 + 109.823 MeV [-23.809 MeV] (A_Hg:727)
200Hg80 + 8 D* --> 204Pb82 + 12C6 + 100.691 MeV [-32.941 MeV] (A_Hg:728)

200Hg80 + 9 D* --> 193Ir77 + 25Mg12 + 136.444 MeV [-15.154 MeV] (A_Hg:729)

200Hg80 + 9 D* --> 195Pt78 + 23Na11 + 131.044 MeV [-20.553 MeV] (A_Hg:730)
200Hg80 + 9 D* --> 197Au79 + 21Ne10 + 125.590 MeV [-26.007 MeV] (A_Hg:731)
200Hg80 + 9 D* --> 199Hg80 + 19F9 + 119.752 MeV [-31.846 MeV] (A_Hg:732)
200Hg80 + 9 D* --> 204Pb82 + 14N7 + 110.964 MeV [-40.634 MeV] (A_Hg:733)

200Hg80 + 10 D* --> 124Sn50 + 96Zr40 + 275.533 MeV [105.695 MeV] (A_Hg:734)
200Hg80 + 10 D* --> 134Xe54 + 86Kr36 + 273.243 MeV [103.405 MeV] (A_Hg:735)
200Hg80 + 10 D* --> 136Xe54 + 84Kr36 + 270.709 MeV [100.871 MeV] (A_Hg:736)
200Hg80 + 10 D* --> 138Ba56 + 82Se34 + 267.709 MeV [97.871 MeV] (A_Hg:737)
200Hg80 + 10 D* --> 150Nd60 + 70Zn30 + 245.107 MeV [75.269 MeV] (A_Hg:738)
200Hg80 + 10 D* --> 170Er68 + 50Ti22 + 213.394 MeV [43.556 MeV] (A_Hg:739)
200Hg80 + 10 D* --> 172Yb70 + 48Ca20 + 205.327 MeV [35.489 MeV] (A_Hg:740)
200Hg80 + 10 D* --> 174Yb70 + 46Ca20 + 201.938 MeV [32.100 MeV] (A_Hg:741)
200Hg80 + 10 D* --> 176Yb70 + 44Ca20 + 196.816 MeV [26.978 MeV] (A_Hg:742)
200Hg80 + 10 D* --> 180Hf72 + 40Ar18 + 186.681 MeV [16.843 MeV] (A_Hg:743)
200Hg80 + 10 D* --> 184W74 + 36S16 + 178.224 MeV [8.386 MeV] (A_Hg:744)
200Hg80 + 10 D* --> 186W74 + 34S16 + 174.294 MeV [4.456 MeV] (A_Hg:745)
200Hg80 + 10 D* --> 190Os76 + 30Si14 + 164.992 MeV [-4.846 MeV] (A_Hg:746)
200Hg80 + 10 D* --> 192Os76 + 28Si14 + 159.226 MeV [-10.612 MeV] (A_Hg:747)
200Hg80 + 10 D* --> 193Ir77 + 27Al13 + 153.584 MeV [-16.254 MeV] (A_Hg:748)
200Hg80 + 10 D* --> 194Pt78 + 26Mg12 + 152.831 MeV [-17.007 MeV] (A_Hg:749)
200Hg80 + 10 D* --> 195Pt78 + 25Mg12 + 147.843 MeV [-21.995 MeV] (A_Hg:750)
200Hg80 + 10 D* --> 196Pt78 + 24Mg12 + 148.434 MeV [-21.404 MeV] (A_Hg:751)
200Hg80 + 10 D* --> 197Au79 + 23Na11 + 142.524 MeV [-27.314 MeV] (A_Hg:752)
200Hg80 + 10 D* --> 198Hg80 + 22Ne10 + 140.832 MeV [-29.006 MeV] (A_Hg:753)
200Hg80 + 10 D* --> 199Hg80 + 21Ne10 + 137.132 MeV [-32.706 MeV] (A_Hg:754)
200Hg80 + 10 D* --> 200Hg80 + 20Ne10 + 138.399 MeV [-31.439 MeV] (A_Hg:755)
200Hg80 + 10 D* --> 204Pb82 + 16O8 + 131.700 MeV [-38.138 MeV] (A_Hg:756)

200Hg80 + 11 D* --> 176Lu71 + 46Ca20 + 211.511 MeV [23.159 MeV] (A_Hg:757)
200Hg80 + 11 D* --> 193Ir77 + 29Si14 + 171.418 MeV [-16.934 MeV] (A_Hg:758)
200Hg80 + 11 D* --> 195Pt78 + 27Al13 + 164.982 MeV [-23.370 MeV] (A_Hg:759)
200Hg80 + 11 D* --> 197Au79 + 25Mg12 + 159.323 MeV [-29.029 MeV] (A_Hg:760)
200Hg80 + 11 D* --> 199Hg80 + 23Na11 + 154.066 MeV [-34.286 MeV] (A_Hg:761)

200Hg80 + 12 D* --> 124Sn50 + 100Mo42 + 302.546 MeV [95.408 MeV] (A_Hg:762)
200Hg80 + 12 D* --> 128Te52 + 96Zr40 + 302.559 MeV [95.422 MeV] (A_Hg:763)
200Hg80 + 12 D* --> 130Te52 + 94Zr40 + 302.743 MeV [95.605 MeV] (A_Hg:764)
200Hg80 + 12 D* --> 136Xe54 + 88Sr38 + 302.471 MeV [95.334 MeV] (A_Hg:765)
200Hg80 + 12 D* --> 138Ba56 + 86Kr36 + 299.652 MeV [92.514 MeV] (A_Hg:766)
200Hg80 + 12 D* --> 142Ce58 + 82Se34 + 290.257 MeV [83.119 MeV] (A_Hg:767)
200Hg80 + 12 D* --> 148Nd60 + 76Ge32 + 278.751 MeV [71.613 MeV] (A_Hg:768)
200Hg80 + 12 D* --> 150Nd60 + 74Ge32 + 275.237 MeV [68.099 MeV] (A_Hg:769)
200Hg80 + 12 D* --> 154Sm62 + 70Zn30 + 270.151 MeV [63.013 MeV] (A_Hg:770)
200Hg80 + 12 D* --> 160Gd64 + 64Ni28 + 263.172 MeV [56.035 MeV] (A_Hg:771)
200Hg80 + 12 D* --> 170Er68 + 54Cr24 + 245.172 MeV [38.034 MeV] (A_Hg:772)
200Hg80 + 12 D* --> 174Yb70 + 50Ti22 + 236.501 MeV [29.363 MeV] (A_Hg:773)
200Hg80 + 12 D* --> 176Yb70 + 48Ti22 + 230.106 MeV [22.969 MeV] (A_Hg:774)
200Hg80 + 12 D* --> 176Hf72 + 48Ca20 + 226.916 MeV [19.778 MeV] (A_Hg:775)
200Hg80 + 12 D* --> 178Hf72 + 46Ca20 + 223.704 MeV [16.566 MeV] (A_Hg:776)
200Hg80 + 12 D* --> 180Hf72 + 44Ca20 + 219.381 MeV [12.244 MeV] (A_Hg:777)
200Hg80 + 12 D* --> 184W74 + 40Ar18 + 208.872 MeV [1.734 MeV] (A_Hg:778)
200Hg80 + 12 D* --> 186W74 + 38Ar18 + 205.349 MeV [-1.789 MeV] (A_Hg:779)
200Hg80 + 12 D* --> 187Re75 + 37Cl17 + 201.102 MeV [-6.036 MeV] (A_Hg:780)

200Hg80 + 12 D* --> 188Os76 + 36S16 + 199.925 MeV [-7.213 MeV] (A_Hg:781)
200Hg80 + 12 D* --> 190Os76 + 34S16 + 196.763 MeV [-10.375 MeV] (A_Hg:782)
200Hg80 + 12 D* --> 192Os76 + 32S16 + 190.021 MeV [-17.117 MeV] (A_Hg:783)
200Hg80 + 12 D* --> 193Ir77 + 31P15 + 187.099 MeV [-20.038 MeV] (A_Hg:784)
200Hg80 + 12 D* --> 194Pt78 + 30Si14 + 187.321 MeV [-19.817 MeV] (A_Hg:785)
200Hg80 + 12 D* --> 195Pt78 + 29Si14 + 182.816 MeV [-24.321 MeV] (A_Hg:786)
200Hg80 + 12 D* --> 196Pt78 + 28Si14 + 182.265 MeV [-24.873 MeV] (A_Hg:787)
200Hg80 + 12 D* --> 197Au79 + 27Al13 + 176.462 MeV [-30.675 MeV] (A_Hg:788)
200Hg80 + 12 D* --> 198Hg80 + 26Mg12 + 175.294 MeV [-31.844 MeV] (A_Hg:789)
200Hg80 + 12 D* --> 199Hg80 + 25Mg12 + 170.864 MeV [-36.273 MeV] (A_Hg:790)
200Hg80 + 12 D* --> 200Hg80 + 24Mg12 + 171.562 MeV [-35.575 MeV] (A_Hg:791)
200Hg80 + 12 D* --> 204Pb82 + 20Ne10 + 160.276 MeV [-46.861 MeV] (A_Hg:792)

201Hg80 + D* --> 192Os76 + 11B5 + 12.685 MeV [-2.996 MeV] (A_Hg:793)
201Hg80 + D* --> 196Pt78 + 7Li3 + 3.212 MeV [-12.469 MeV] (A_Hg:794)
201Hg80 + D* --> 202Hg80 + 1H1 + 5.529 MeV [-10.152 MeV] (A_Hg:795)
201Hg80 + D* --> 203Tl81 + 11.234 MeV [-4.447 MeV] (A_Hg:796)

201Hg80 + 2 D* --> 192Os76 + 13C6 + 31.364 MeV [-0.287 MeV] (A_Hg:797)
201Hg80 + 2 D* --> 196Pt78 + 9Be4 + 19.908 MeV [-11.743 MeV] (A_Hg:798)
201Hg80 + 2 D* --> 201Hg80 + 4He2 + 23.847 MeV [-7.804 MeV] (A_Hg:799)
201Hg80 + 2 D* --> 202Hg80 + 3He2 + 11.023 MeV [-20.628 MeV] (A_Hg:800)
201Hg80 + 2 D* --> 203Tl81 + 2H1 + 11.234 MeV [-20.417 MeV] (A_Hg:801)

201Hg80 + 3 D* --> 192Os76 + 15N7 + 47.523 MeV [-0.384 MeV] (A_Hg:802)
201Hg80 + 3 D* --> 196Pt78 + 11B5 + 35.723 MeV [-12.183 MeV] (A_Hg:803)
201Hg80 + 3 D* --> 200Hg80 + 7Li3 + 26.340 MeV [-21.567 MeV] (A_Hg:804)
201Hg80 + 3 D* --> 201Hg80 + 6Li3 + 25.320 MeV [-22.586 MeV] (A_Hg:805)
201Hg80 + 3 D* --> 203Tl81 + 4He2 + 35.080 MeV [-12.827 MeV] (A_Hg:806)
201Hg80 + 3 D* --> 206Pb82 + 1H1 + 28.240 MeV [-19.666 MeV] (A_Hg:807)

201Hg80 + 4 D* --> 192Os76 + 17O8 + 61.569 MeV [-2.879 MeV] (A_Hg:808)
201Hg80 + 4 D* --> 196Pt78 + 13C6 + 54.402 MeV [-10.046 MeV] (A_Hg:809)
201Hg80 + 4 D* --> 200Hg80 + 9Be4 + 43.036 MeV [-21.412 MeV] (A_Hg:810)
201Hg80 + 4 D* --> 203Tl81 + 6Li3 + 36.554 MeV [-27.894 MeV] (A_Hg:811)
201Hg80 + 4 D* --> 206Pb82 + 3He2 + 33.734 MeV [-30.714 MeV] (A_Hg:812)

201Hg80 + 5 D* --> 192Os76 + 19F9 + 75.383 MeV [-5.889 MeV] (A_Hg:813)
201Hg80 + 5 D* --> 193Ir77 + 18O8 + 73.331 MeV [-7.941 MeV] (A_Hg:814)
201Hg80 + 5 D* --> 196Pt78 + 15N7 + 70.561 MeV [-10.711 MeV] (A_Hg:815)
201Hg80 + 5 D* --> 200Hg80 + 11B5 + 58.852 MeV [-22.420 MeV] (A_Hg:816)
201Hg80 + 5 D* --> 201Hg80 + 10B5 + 53.628 MeV [-27.644 MeV] (A_Hg:817)
201Hg80 + 5 D* --> 204Pb82 + 7Li3 + 48.217 MeV [-33.055 MeV] (A_Hg:818)

201Hg80 + 6 D* --> 192Os76 + 21Ne10 + 92.763 MeV [-5.614 MeV] (A_Hg:819)
201Hg80 + 6 D* --> 195Pt78 + 18O8 + 84.729 MeV [-13.648 MeV] (A_Hg:820)
201Hg80 + 6 D* --> 196Pt78 + 17O8 + 84.607 MeV [-13.770 MeV] (A_Hg:821)
201Hg80 + 6 D* --> 200Hg80 + 13C6 + 77.530 MeV [-20.847 MeV] (A_Hg:822)
201Hg80 + 6 D* --> 201Hg80 + 12C6 + 78.814 MeV [-19.563 MeV] (A_Hg:823)
201Hg80 + 6 D* --> 203Tl81 + 10B5 + 64.862 MeV [-33.516 MeV] (A_Hg:824)
201Hg80 + 6 D* --> 204Pb82 + 9Be4 + 64.913 MeV [-33.464 MeV] (A_Hg:825)

201Hg80 + 7 D* --> 192Os76 + 23Na11 + 109.697 MeV [-6.066 MeV] (A_Hg:826)
201Hg80 + 7 D* --> 193Ir77 + 22Ne10 + 106.845 MeV [-8.918 MeV] (A_Hg:827)

201Hg80 + 7 D* --> 196Pt78 + 19F9 + 98.422 MeV [-17.341 MeV] (A_Hg:828)
201Hg80 + 7 D* --> 197Au79 + 18O8 + 96.209 MeV [-19.554 MeV] (A_Hg:829)
201Hg80 + 7 D* --> 200Hg80 + 15N7 + 93.689 MeV [-22.073 MeV] (A_Hg:830)
201Hg80 + 7 D* --> 201Hg80 + 14N7 + 89.087 MeV [-26.676 MeV] (A_Hg:831)
201Hg80 + 7 D* --> 203Tl81 + 12C6 + 90.048 MeV [-25.715 MeV] (A_Hg:832)
201Hg80 + 7 D* --> 204Pb82 + 11B5 + 80.729 MeV [-35.034 MeV] (A_Hg:833)

201Hg80 + 8 D* --> 192Os76 + 25Mg12 + 126.496 MeV [-6.931 MeV] (A_Hg:834)
201Hg80 + 8 D* --> 195Pt78 + 22Ne10 + 118.244 MeV [-15.182 MeV] (A_Hg:835)
201Hg80 + 8 D* --> 196Pt78 + 21Ne10 + 115.802 MeV [-17.625 MeV] (A_Hg:836)
201Hg80 + 8 D* --> 199Hg80 + 18O8 + 107.751 MeV [-25.675 MeV] (A_Hg:837)
201Hg80 + 8 D* --> 200Hg80 + 17O8 + 107.735 MeV [-25.691 MeV] (A_Hg:838)
201Hg80 + 8 D* --> 201Hg80 + 16O8 + 109.823 MeV [-23.604 MeV] (A_Hg:839)
201Hg80 + 8 D* --> 203Tl81 + 14N7 + 100.320 MeV [-33.106 MeV] (A_Hg:840)
201Hg80 + 8 D* --> 204Pb82 + 13C6 + 99.407 MeV [-34.019 MeV] (A_Hg:841)

201Hg80 + 9 D* --> 192Os76 + 27Al13 + 143.635 MeV [-7.731 MeV] (A_Hg:842)
201Hg80 + 9 D* --> 193Ir77 + 26Mg12 + 141.307 MeV [-10.060 MeV] (A_Hg:843)
201Hg80 + 9 D* --> 196Pt78 + 23Na11 + 132.736 MeV [-18.631 MeV] (A_Hg:844)
201Hg80 + 9 D* --> 197Au79 + 22Ne10 + 129.724 MeV [-21.642 MeV] (A_Hg:845)
201Hg80 + 9 D* --> 200Hg80 + 19F9 + 121.550 MeV [-29.817 MeV] (A_Hg:846)
201Hg80 + 9 D* --> 203Tl81 + 16O8 + 121.056 MeV [-30.310 MeV] (A_Hg:847)
201Hg80 + 9 D* --> 204Pb82 + 15N7 + 115.567 MeV [-35.800 MeV] (A_Hg:848)

201Hg80 + 10 D* --> 173Yb70 + 48Ca20 + 205.464 MeV [35.883 MeV] (A_Hg:849)
201Hg80 + 10 D* --> 192Os76 + 29Si14 + 161.470 MeV [-8.112 MeV] (A_Hg:850)
201Hg80 + 10 D* --> 195Pt78 + 26Mg12 + 152.705 MeV [-16.876 MeV] (A_Hg:851)
201Hg80 + 10 D* --> 196Pt78 + 25Mg12 + 149.534 MeV [-20.047 MeV] (A_Hg:852)
201Hg80 + 10 D* --> 199Hg80 + 22Ne10 + 141.266 MeV [-28.316 MeV] (A_Hg:853)
201Hg80 + 10 D* --> 200Hg80 + 21Ne10 + 138.930 MeV [-30.652 MeV] (A_Hg:854)
201Hg80 + 10 D* --> 201Hg80 + 20Ne10 + 138.399 MeV [-31.182 MeV] (A_Hg:855)
201Hg80 + 10 D* --> 204Pb82 + 17O8 + 129.613 MeV [-39.969 MeV] (A_Hg:856)

201Hg80 + 11 D* --> 136Xe54 + 87Rb37 + 287.853 MeV [99.783 MeV] (A_Hg:857)
201Hg80 + 11 D* --> 175Lu71 + 48Ca20 + 216.215 MeV [28.145 MeV] (A_Hg:858)
201Hg80 + 11 D* --> 186W74 + 37Cl17 + 191.101 MeV [3.031 MeV] (A_Hg:859)
201Hg80 + 11 D* --> 187Re75 + 36S16 + 188.709 MeV [00.640 MeV] (A_Hg:860)
201Hg80 + 11 D* --> 192Os76 + 31P15 + 177.151 MeV [-10.919 MeV] (A_Hg:861)
201Hg80 + 11 D* --> 193Ir77 + 30Si14 + 175.796 MeV [-12.274 MeV] (A_Hg:862)
201Hg80 + 11 D* --> 196Pt78 + 27Al13 + 166.674 MeV [-21.396 MeV] (A_Hg:863)
201Hg80 + 11 D* --> 197Au79 + 26Mg12 + 164.185 MeV [-23.885 MeV] (A_Hg:864)
201Hg80 + 11 D* --> 200Hg80 + 23Na11 + 155.864 MeV [-32.206 MeV] (A_Hg:865)
201Hg80 + 11 D* --> 203Tl81 + 20Ne10 + 149.633 MeV [-38.437 MeV] (A_Hg:866)
201Hg80 + 11 D* --> 204Pb82 + 19F9 + 143.427 MeV [-44.643 MeV] (A_Hg:867)

201Hg80 + 12 D* --> 176Yb70 + 49Ti22 + 232.018 MeV [25.188 MeV] (A_Hg:868)
201Hg80 + 12 D* --> 177Hf72 + 48Ca20 + 227.069 MeV [20.239 MeV] (A_Hg:869)
201Hg80 + 12 D* --> 179Hf72 + 46Ca20 + 223.572 MeV [16.742 MeV] (A_Hg:870)
201Hg80 + 12 D* --> 189Os76 + 36S16 + 199.615 MeV [-7.215 MeV] (A_Hg:871)
201Hg80 + 12 D* --> 192Os76 + 33S16 + 192.432 MeV [-14.398 MeV] (A_Hg:872)
201Hg80 + 12 D* --> 195Pt78 + 30Si14 + 187.195 MeV [-19.635 MeV] (A_Hg:873)
201Hg80 + 12 D* --> 196Pt78 + 29Si14 + 184.508 MeV [-22.322 MeV] (A_Hg:874)
201Hg80 + 12 D* --> 199Hg80 + 26Mg12 + 175.727 MeV [-31.103 MeV] (A_Hg:875)
201Hg80 + 12 D* --> 200Hg80 + 25Mg12 + 172.662 MeV [-34.168 MeV] (A_Hg:876)

Report A - Energetically Feasible Aneutronic X + n D* --> Y + Z Reactions, n = 1 to 12
Creating Stable Isotopes Y and Z With No Weak Reactions

201Hg80 + 12 D* --> 201Hg80 + 24Mg12 + 171.562 MeV [-35.268 MeV] (A_Hg:877)
201Hg80 + 12 D* --> 204Pb82 + 21Ne10 + 160.807 MeV [-46.023 MeV] (A_Hg:878)

202Hg80 + D* --> 198Pt78 + 6Li3 + 1.611 MeV [-14.045 MeV] (A_Hg:879)

202Hg80 + 2 D* --> 202Hg80 + 4He2 + 23.847 MeV [-7.753 MeV] (A_Hg:880)
202Hg80 + 2 D* --> 205Tl81 + 1H1 + 15.457 MeV [-16.142 MeV] (A_Hg:881)
202Hg80 + 2 D* --> 206Pb82 + 22.711 MeV [-8.888 MeV] (A_Hg:882)

202Hg80 + 3 D* --> 198Pt78 + 10B5 + 29.918 MeV [-17.912 MeV] (A_Hg:883)
202Hg80 + 3 D* --> 201Hg80 + 7Li3 + 24.816 MeV [-23.014 MeV] (A_Hg:884)
202Hg80 + 3 D* --> 202Hg80 + 6Li3 + 25.320 MeV [-22.510 MeV] (A_Hg:885)
202Hg80 + 3 D* --> 205Tl81 + 3He2 + 20.951 MeV [-26.879 MeV] (A_Hg:886)
202Hg80 + 3 D* --> 206Pb82 + 2H1 + 22.711 MeV [-25.119 MeV] (A_Hg:887)
202Hg80 + 3 D* --> 207Pb82 + 1H1 + 27.224 MeV [-20.606 MeV] (A_Hg:888)

202Hg80 + 4 D* --> 192Os76 + 18O8 + 61.859 MeV [-2.486 MeV] (A_Hg:889)
202Hg80 + 4 D* --> 198Pt78 + 12C6 + 55.105 MeV [-9.241 MeV] (A_Hg:890)
202Hg80 + 4 D* --> 201Hg80 + 9Be4 + 41.513 MeV [-22.833 MeV] (A_Hg:891)
202Hg80 + 4 D* --> 203Tl81 + 7Li3 + 36.050 MeV [-28.295 MeV] (A_Hg:892)
202Hg80 + 4 D* --> 206Pb82 + 4He2 + 46.558 MeV [-17.788 MeV] (A_Hg:893)
202Hg80 + 4 D* --> 207Pb82 + 3He2 + 32.718 MeV [-31.628 MeV] (A_Hg:894)
202Hg80 + 4 D* --> 209Bi83 + 1H1 + 36.167 MeV [-28.179 MeV] (A_Hg:895)

202Hg80 + 5 D* --> 198Pt78 + 14N7 + 65.377 MeV [-15.767 MeV] (A_Hg:896)
202Hg80 + 5 D* --> 201Hg80 + 11B5 + 57.328 MeV [-23.816 MeV] (A_Hg:897)
202Hg80 + 5 D* --> 202Hg80 + 10B5 + 53.628 MeV [-27.516 MeV] (A_Hg:898)
202Hg80 + 5 D* --> 203Tl81 + 9Be4 + 52.746 MeV [-28.398 MeV] (A_Hg:899)
202Hg80 + 5 D* --> 206Pb82 + 6Li3 + 48.031 MeV [-33.113 MeV] (A_Hg:900)
202Hg80 + 5 D* --> 209Bi83 + 3He2 + 41.660 MeV [-39.484 MeV] (A_Hg:901)

202Hg80 + 6 D* --> 192Os76 + 22Ne10 + 95.374 MeV [-2.850 MeV] (A_Hg:902)
202Hg80 + 6 D* --> 196Pt78 + 18O8 + 84.897 MeV [-13.327 MeV] (A_Hg:903)
202Hg80 + 6 D* --> 198Pt78 + 16O8 + 86.113 MeV [-12.111 MeV] (A_Hg:904)
202Hg80 + 6 D* --> 201Hg80 + 13C6 + 76.007 MeV [-22.217 MeV] (A_Hg:905)
202Hg80 + 6 D* --> 202Hg80 + 12C6 + 78.814 MeV [-19.410 MeV] (A_Hg:906)
202Hg80 + 6 D* --> 203Tl81 + 11B5 + 68.562 MeV [-29.662 MeV] (A_Hg:907)

202Hg80 + 7 D* --> 201Hg80 + 15N7 + 92.166 MeV [-23.418 MeV] (A_Hg:908)
202Hg80 + 7 D* --> 202Hg80 + 14N7 + 89.087 MeV [-26.497 MeV] (A_Hg:909)
202Hg80 + 7 D* --> 203Tl81 + 13C6 + 87.240 MeV [-28.344 MeV] (A_Hg:910)
202Hg80 + 7 D* --> 206Pb82 + 10B5 + 76.339 MeV [-39.245 MeV] (A_Hg:911)

202Hg80 + 8 D* --> 136Xe54 + 82Se34 + 241.759 MeV [108.537 MeV] (A_Hg:912)
202Hg80 + 8 D* --> 170Er68 + 48Ca20 + 182.069 MeV [48.847 MeV] (A_Hg:913)
202Hg80 + 8 D* --> 192Os76 + 26Mg12 + 129.835 MeV [-3.387 MeV] (A_Hg:914)
202Hg80 + 8 D* --> 196Pt78 + 22Ne10 + 118.412 MeV [-14.810 MeV] (A_Hg:915)
202Hg80 + 8 D* --> 198Pt78 + 20Ne10 + 114.690 MeV [-18.533 MeV] (A_Hg:916)
202Hg80 + 8 D* --> 200Hg80 + 18O8 + 108.026 MeV [-25.197 MeV] (A_Hg:917)
202Hg80 + 8 D* --> 201Hg80 + 17O8 + 106.212 MeV [-27.010 MeV] (A_Hg:918)
202Hg80 + 8 D* --> 202Hg80 + 16O8 + 109.823 MeV [-23.399 MeV] (A_Hg:919)
202Hg80 + 8 D* --> 203Tl81 + 15N7 + 103.400 MeV [-29.822 MeV] (A_Hg:920)
202Hg80 + 8 D* --> 206Pb82 + 12C6 + 101.525 MeV [-31.697 MeV] (A_Hg:921)

202Hg80 + 9 D* --> 201Hg80 + 19F9 + 120.026 MeV [-31.110 MeV] (A_Hg:922)
202Hg80 + 9 D* --> 203Tl81 + 17O8 + 117.446 MeV [-33.691 MeV] (A_Hg:923)
202Hg80 + 9 D* --> 206Pb82 + 14N7 + 111.798 MeV [-39.339 MeV] (A_Hg:924)

202Hg80 + 10 D* --> 136Xe54 + 86Kr36 + 273.702 MeV [104.376 MeV] (A_Hg:925)
202Hg80 + 10 D* --> 174Yb70 + 48Ca20 + 205.175 MeV [35.849 MeV] (A_Hg:926)
202Hg80 + 10 D* --> 176Yb70 + 46Ca20 + 200.641 MeV [31.314 MeV] (A_Hg:927)
202Hg80 + 10 D* --> 186W74 + 36S16 + 177.185 MeV [7.859 MeV] (A_Hg:928)
202Hg80 + 10 D* --> 192Os76 + 30Si14 + 164.325 MeV [-5.002 MeV] (A_Hg:929)
202Hg80 + 10 D* --> 196Pt78 + 26Mg12 + 152.873 MeV [-16.453 MeV] (A_Hg:930)
202Hg80 + 10 D* --> 198Pt78 + 24Mg12 + 147.853 MeV [-21.474 MeV] (A_Hg:931)
202Hg80 + 10 D* --> 200Hg80 + 22Ne10 + 141.540 MeV [-27.786 MeV] (A_Hg:932)
202Hg80 + 10 D* --> 201Hg80 + 21Ne10 + 137.406 MeV [-31.920 MeV] (A_Hg:933)
202Hg80 + 10 D* --> 202Hg80 + 20Ne10 + 138.399 MeV [-30.927 MeV] (A_Hg:934)
202Hg80 + 10 D* --> 203Tl81 + 19F9 + 131.260 MeV [-38.067 MeV] (A_Hg:935)
202Hg80 + 10 D* --> 204Pb82 + 18O8 + 129.903 MeV [-39.424 MeV] (A_Hg:936)
202Hg80 + 10 D* --> 206Pb82 + 16O8 + 132.534 MeV [-36.793 MeV] (A_Hg:937)

202Hg80 + 11 D* --> 176Lu71 + 48Ca20 + 214.749 MeV [26.959 MeV] (A_Hg:938)
202Hg80 + 11 D* --> 201Hg80 + 23Na11 + 154.340 MeV [-33.449 MeV] (A_Hg:939)
202Hg80 + 11 D* --> 203Tl81 + 21Ne10 + 148.640 MeV [-39.150 MeV] (A_Hg:940)

202Hg80 + 12 D* --> 130Te52 + 96Zr40 + 303.077 MeV [96.552 MeV] (A_Hg:941)
202Hg80 + 12 D* --> 150Nd60 + 76Ge32 + 277.186 MeV [70.661 MeV] (A_Hg:942)
202Hg80 + 12 D* --> 176Yb70 + 50Ti22 + 235.204 MeV [28.679 MeV] (A_Hg:943)
202Hg80 + 12 D* --> 178Hf72 + 48Ca20 + 226.941 MeV [20.416 MeV] (A_Hg:944)
202Hg80 + 12 D* --> 180Hf72 + 46Ca20 + 223.206 MeV [16.681 MeV] (A_Hg:945)
202Hg80 + 12 D* --> 186W74 + 40Ar18 + 207.832 MeV [1.307 MeV] (A_Hg:946)
202Hg80 + 12 D* --> 190Os76 + 36S16 + 199.653 MeV [-6.872 MeV] (A_Hg:947)
202Hg80 + 12 D* --> 192Os76 + 34S16 + 196.095 MeV [-10.430 MeV] (A_Hg:948)
202Hg80 + 12 D* --> 196Pt78 + 30Si14 + 187.363 MeV [-19.162 MeV] (A_Hg:949)
202Hg80 + 12 D* --> 198Pt78 + 28Si14 + 181.683 MeV [-24.842 MeV] (A_Hg:950)
202Hg80 + 12 D* --> 200Hg80 + 26Mg12 + 176.002 MeV [-30.523 MeV] (A_Hg:951)
202Hg80 + 12 D* --> 201Hg80 + 25Mg12 + 171.139 MeV [-35.386 MeV] (A_Hg:952)
202Hg80 + 12 D* --> 202Hg80 + 24Mg12 + 171.562 MeV [-34.963 MeV] (A_Hg:953)
202Hg80 + 12 D* --> 203Tl81 + 23Na11 + 165.574 MeV [-40.951 MeV] (A_Hg:954)
202Hg80 + 12 D* --> 204Pb82 + 22Ne10 + 163.417 MeV [-43.108 MeV] (A_Hg:955)
202Hg80 + 12 D* --> 206Pb82 + 20Ne10 + 161.110 MeV [-45.415 MeV] (A_Hg:956)

204Hg80 + 2 D* --> 204Hg80 + 4He2 + 23.847 MeV [-7.651 MeV] (A_Hg:957)
204Hg80 + 2 D* --> 208Pb82 + 23.330 MeV [-8.168 MeV] (A_Hg:958)

204Hg80 + 3 D* --> 204Hg80 + 6Li3 + 25.320 MeV [-22.357 MeV] (A_Hg:959)
204Hg80 + 3 D* --> 208Pb82 + 2H1 + 23.330 MeV [-24.348 MeV] (A_Hg:960)

204Hg80 + 4 D* --> 205Tl81 + 7Li3 + 36.765 MeV [-27.377 MeV] (A_Hg:961)
204Hg80 + 4 D* --> 208Pb82 + 4He2 + 47.176 MeV [-16.966 MeV] (A_Hg:962)

204Hg80 + 5 D* --> 204Hg80 + 10B5 + 53.628 MeV [-27.263 MeV] (A_Hg:963)
204Hg80 + 5 D* --> 205Tl81 + 9Be4 + 53.461 MeV [-27.429 MeV] (A_Hg:964)
204Hg80 + 5 D* --> 207Pb82 + 7Li3 + 48.532 MeV [-32.358 MeV] (A_Hg:965)
204Hg80 + 5 D* --> 208Pb82 + 6Li3 + 48.650 MeV [-32.240 MeV] (A_Hg:966)

204Hg80 + 6 D* --> 198Pt78 + 18O8 + 84.813 MeV [-13.107 MeV] (A_Hg:967)
204Hg80 + 6 D* --> 204Hg80 + 12C6 + 78.814 MeV [-19.106 MeV] (A_Hg:968)
204Hg80 + 6 D* --> 205Tl81 + 11B5 + 69.277 MeV [-28.643 MeV] (A_Hg:969)
204Hg80 + 6 D* --> 207Pb82 + 9Be4 + 65.228 MeV [-32.692 MeV] (A_Hg:970)
204Hg80 + 6 D* --> 209Bi83 + 7Li3 + 57.474 MeV [-40.446 MeV] (A_Hg:971)

204Hg80 + 7 D* --> 204Hg80 + 14N7 + 89.087 MeV [-26.143 MeV] (A_Hg:972)
204Hg80 + 7 D* --> 205Tl81 + 13C6 + 87.955 MeV [-27.274 MeV] (A_Hg:973)
204Hg80 + 7 D* --> 207Pb82 + 11B5 + 81.044 MeV [-34.186 MeV] (A_Hg:974)
204Hg80 + 7 D* --> 208Pb82 + 10B5 + 76.958 MeV [-38.272 MeV] (A_Hg:975)
204Hg80 + 7 D* --> 209Bi83 + 9Be4 + 74.171 MeV [-41.059 MeV] (A_Hg:976)

204Hg80 + 8 D* --> 198Pt78 + 22Ne10 + 118.328 MeV [-14.489 MeV] (A_Hg:977)
204Hg80 + 8 D* --> 202Hg80 + 18O8 + 108.523 MeV [-24.294 MeV] (A_Hg:978)
204Hg80 + 8 D* --> 204Hg80 + 16O8 + 109.823 MeV [-22.994 MeV] (A_Hg:979)
204Hg80 + 8 D* --> 205Tl81 + 15N7 + 104.115 MeV [-28.702 MeV] (A_Hg:980)
204Hg80 + 8 D* --> 207Pb82 + 13C6 + 99.722 MeV [-33.095 MeV] (A_Hg:981)
204Hg80 + 8 D* --> 208Pb82 + 12C6 + 102.144 MeV [-30.673 MeV] (A_Hg:982)
204Hg80 + 8 D* --> 209Bi83 + 11B5 + 89.986 MeV [-42.831 MeV] (A_Hg:983)

204Hg80 + 9 D* --> 205Tl81 + 17O8 + 118.161 MeV [-32.521 MeV] (A_Hg:984)
204Hg80 + 9 D* --> 207Pb82 + 15N7 + 115.882 MeV [-34.800 MeV] (A_Hg:985)
204Hg80 + 9 D* --> 208Pb82 + 14N7 + 112.416 MeV [-38.265 MeV] (A_Hg:986)
204Hg80 + 9 D* --> 209Bi83 + 13C6 + 108.665 MeV [-42.017 MeV] (A_Hg:987)

204Hg80 + 10 D* --> 176Yb70 + 48Ca20 + 204.375 MeV [35.554 MeV] (A_Hg:988)
204Hg80 + 10 D* --> 198Pt78 + 26Mg12 + 152.789 MeV [-16.032 MeV] (A_Hg:989)
204Hg80 + 10 D* --> 202Hg80 + 22Ne10 + 142.038 MeV [-26.783 MeV] (A_Hg:990)
204Hg80 + 10 D* --> 204Hg80 + 20Ne10 + 138.399 MeV [-30.422 MeV] (A_Hg:991)
204Hg80 + 10 D* --> 205Tl81 + 19F9 + 131.975 MeV [-36.846 MeV] (A_Hg:992)
204Hg80 + 10 D* --> 206Pb82 + 18O8 + 131.234 MeV [-37.587 MeV] (A_Hg:993)
204Hg80 + 10 D* --> 207Pb82 + 17O8 + 129.928 MeV [-38.893 MeV] (A_Hg:994)
204Hg80 + 10 D* --> 208Pb82 + 16O8 + 133.152 MeV [-35.669 MeV] (A_Hg:995)
204Hg80 + 10 D* --> 209Bi83 + 15N7 + 124.824 MeV [-43.997 MeV] (A_Hg:996)

204Hg80 + 11 D* --> 205Tl81 + 21Ne10 + 149.355 MeV [-37.879 MeV] (A_Hg:997)
204Hg80 + 11 D* --> 207Pb82 + 19F9 + 143.742 MeV [-43.492 MeV] (A_Hg:998)
204Hg80 + 11 D* --> 209Bi83 + 17O8 + 138.870 MeV [-48.364 MeV] (A_Hg:999)

204Hg80 + 12 D* --> 180Hf72 + 48Ca20 + 226.941 MeV [21.022 MeV]
(A_Hg:1000)
204Hg80 + 12 D* --> 192Os76 + 36S16 + 199.483 MeV [-6.436 MeV]
(A_Hg:1001)
204Hg80 + 12 D* --> 198Pt78 + 30Si14 + 187.279 MeV [-18.640 MeV]
(A_Hg:1002)
204Hg80 + 12 D* --> 202Hg80 + 26Mg12 + 176.499 MeV [-29.420 MeV]
(A_Hg:1003)
204Hg80 + 12 D* --> 204Hg80 + 24Mg12 + 171.562 MeV [-34.357 MeV]
(A_Hg:1004)
204Hg80 + 12 D* --> 205Tl81 + 23Na11 + 166.289 MeV [-39.630 MeV]
(A_Hg:1005)
204Hg80 + 12 D* --> 206Pb82 + 22Ne10 + 164.749 MeV [-41.171 MeV]
(A_Hg:1006)
204Hg80 + 12 D* --> 207Pb82 + 21Ne10 + 161.122 MeV [-44.797 MeV]

(A_Hg:1007)
204Hg80 + 12 D* --> 208Pb82 + 20Ne10 + 161.729 MeV [-44.190 MeV]
(A_Hg:1008)
204Hg80 + 12 D* --> 209Bi83 + 19F9 + 152.684 MeV [-53.235 MeV]
(A_Hg:1009)

---------- Equations follow for Thallium, Tl, element 81 ----------

203Tl81 + D* --> 192Os76 + 13C6 + 20.130 MeV [4.305 MeV] (A_Tl:1)
203Tl81 + D* --> 196Pt78 + 9Be4 + 8.674 MeV [-7.151 MeV] (A_Tl:2)
203Tl81 + D* --> 201Hg80 + 4He2 + 12.613 MeV [-3.212 MeV] (A_Tl:3)

203Tl81 + 2 D* --> 192Os76 + 15N7 + 36.289 MeV [4.351 MeV] (A_Tl:4)
203Tl81 + 2 D* --> 196Pt78 + 11B5 + 24.490 MeV [-7.448 MeV] (A_Tl:5)
203Tl81 + 2 D* --> 200Hg80 + 7Li3 + 15.106 MeV [-16.832 MeV] (A_Tl:6)
203Tl81 + 2 D* --> 201Hg80 + 6Li3 + 14.087 MeV [-17.851 MeV] (A_Tl:7)
203Tl81 + 2 D* --> 203Tl81 + 4He2 + 23.847 MeV [-8.091 MeV] (A_Tl:8)
203Tl81 + 2 D* --> 206Pb82 + 1H1 + 17.007 MeV [-14.931 MeV] (A_Tl:9)

203Tl81 + 3 D* --> 192Os76 + 17O8 + 50.335 MeV [1.999 MeV] (A_Tl:10)
203Tl81 + 3 D* --> 196Pt78 + 13C6 + 43.168 MeV [-5.167 MeV] (A_Tl:11)
203Tl81 + 3 D* --> 200Hg80 + 9Be4 + 31.802 MeV [-16.533 MeV] (A_Tl:12)
203Tl81 + 3 D* --> 203Tl81 + 6Li3 + 25.320 MeV [-23.016 MeV] (A_Tl:13)
203Tl81 + 3 D* --> 206Pb82 + 3He2 + 22.500 MeV [-25.836 MeV] (A_Tl:14)

203Tl81 + 4 D* --> 192Os76 + 19F9 + 64.150 MeV [-0.868 MeV] (A_Tl:15)
203Tl81 + 4 D* --> 193Ir77 + 18O8 + 62.097 MeV [-2.921 MeV] (A_Tl:16)
203Tl81 + 4 D* --> 196Pt78 + 15N7 + 59.328 MeV [-5.690 MeV] (A_Tl:17)
203Tl81 + 4 D* --> 200Hg80 + 11B5 + 47.618 MeV [-17.400 MeV] (A_Tl:18)
203Tl81 + 4 D* --> 201Hg80 + 10B5 + 42.394 MeV [-22.623 MeV] (A_Tl:19)
203Tl81 + 4 D* --> 204Pb82 + 7Li3 + 36.983 MeV [-28.034 MeV] (A_Tl:20)

203Tl81 + 5 D* --> 192Os76 + 21Ne10 + 81.530 MeV [-0.452 MeV] (A_Tl:21)
203Tl81 + 5 D* --> 195Pt78 + 18O8 + 73.496 MeV [-8.486 MeV] (A_Tl:22)
203Tl81 + 5 D* --> 196Pt78 + 17O8 + 73.374 MeV [-8.608 MeV] (A_Tl:23)
203Tl81 + 5 D* --> 200Hg80 + 13C6 + 66.297 MeV [-15.685 MeV] (A_Tl:24)
203Tl81 + 5 D* --> 201Hg80 + 12C6 + 67.581 MeV [-14.401 MeV] (A_Tl:25)
203Tl81 + 5 D* --> 203Tl81 + 10B5 + 53.628 MeV [-28.353 MeV] (A_Tl:26)
203Tl81 + 5 D* --> 204Pb82 + 9Be4 + 53.680 MeV [-28.302 MeV] (A_Tl:27)

203Tl81 + 6 D* --> 192Os76 + 23Na11 + 98.463 MeV [-0.762 MeV] (A_Tl:28)
203Tl81 + 6 D* --> 193Ir77 + 22Ne10 + 95.612 MeV [-3.614 MeV] (A_Tl:29)
203Tl81 + 6 D* --> 196Pt78 + 19F9 + 87.188 MeV [-12.037 MeV] (A_Tl:30)
203Tl81 + 6 D* --> 197Au79 + 18O8 + 84.976 MeV [-14.250 MeV] (A_Tl:31)
203Tl81 + 6 D* --> 200Hg80 + 15N7 + 82.456 MeV [-16.770 MeV] (A_Tl:32)
203Tl81 + 6 D* --> 201Hg80 + 14N7 + 77.853 MeV [-21.372 MeV] (A_Tl:33)
203Tl81 + 6 D* --> 203Tl81 + 12C6 + 78.814 MeV [-20.411 MeV] (A_Tl:34)
203Tl81 + 6 D* --> 204Pb82 + 11B5 + 69.495 MeV [-29.730 MeV] (A_Tl:35)

203Tl81 + 7 D* --> 192Os76 + 25Mg12 + 115.262 MeV [-1.486 MeV] (A_Tl:36)
203Tl81 + 7 D* --> 195Pt78 + 22Ne10 + 107.010 MeV [-9.738 MeV] (A_Tl:37)
203Tl81 + 7 D* --> 196Pt78 + 21Ne10 + 104.568 MeV [-12.180 MeV] (A_Tl:38)
203Tl81 + 7 D* --> 199Hg80 + 18O8 + 96.517 MeV [-20.231 MeV] (A_Tl:39)
203Tl81 + 7 D* --> 200Hg80 + 17O8 + 96.502 MeV [-20.246 MeV] (A_Tl:40)

203Tl81 + 7 D* --> 201Hg80 + 16O8 + 98.589 MeV [-18.159 MeV] (A_Tl:41)
203Tl81 + 7 D* --> 203Tl81 + 14N7 + 89.087 MeV [-27.661 MeV] (A_Tl:42)
203Tl81 + 7 D* --> 204Pb82 + 13C6 + 88.174 MeV [-28.575 MeV] (A_Tl:43)

203Tl81 + 8 D* --> 192Os76 + 27Al13 + 132.402 MeV [-2.146 MeV] (A_Tl:44)
203Tl81 + 8 D* --> 193Ir77 + 26Mg12 + 130.073 MeV [-4.475 MeV] (A_Tl:45)
203Tl81 + 8 D* --> 196Pt78 + 23Na11 + 121.502 MeV [-13.046 MeV] (A_Tl:46)
203Tl81 + 8 D* --> 197Au79 + 22Ne10 + 118.490 MeV [-16.058 MeV] (A_Tl:47)
203Tl81 + 8 D* --> 200Hg80 + 19F9 + 110.316 MeV [-24.232 MeV] (A_Tl:48)
203Tl81 + 8 D* --> 203Tl81 + 16O8 + 109.823 MeV [-24.725 MeV] (A_Tl:49)
203Tl81 + 8 D* --> 204Pb82 + 15N7 + 104.333 MeV [-30.215 MeV] (A_Tl:50)

203Tl81 + 9 D* --> 173Yb70 + 48Ca20 + 194.231 MeV [41.607 MeV] (A_Tl:51)
203Tl81 + 9 D* --> 192Os76 + 29Si14 + 150.236 MeV [-2.387 MeV] (A_Tl:52)
203Tl81 + 9 D* --> 195Pt78 + 26Mg12 + 141.472 MeV [-11.152 MeV] (A_Tl:53)
203Tl81 + 9 D* --> 196Pt78 + 25Mg12 + 138.301 MeV [-14.323 MeV] (A_Tl:54)
203Tl81 + 9 D* --> 199Hg80 + 22Ne10 + 130.032 MeV [-22.591 MeV] (A_Tl:55)
203Tl81 + 9 D* --> 200Hg80 + 21Ne10 + 127.696 MeV [-24.927 MeV] (A_Tl:56)
203Tl81 + 9 D* --> 201Hg80 + 20Ne10 + 127.165 MeV [-25.458 MeV] (A_Tl:57)
203Tl81 + 9 D* --> 204Pb82 + 17O8 + 118.379 MeV [-34.244 MeV] (A_Tl:58)

203Tl81 + 10 D* --> 136Xe54 + 87Rb37 + 276.619 MeV [105.646 MeV] (A_Tl:59)
203Tl81 + 10 D* --> 175Lu71 + 48Ca20 + 204.981 MeV [34.008 MeV] (A_Tl:60)
203Tl81 + 10 D* --> 186W74 + 37Cl17 + 179.867 MeV [8.894 MeV] (A_Tl:61)
203Tl81 + 10 D* --> 187Re75 + 36S16 + 177.476 MeV [6.503 MeV] (A_Tl:62)
203Tl81 + 10 D* --> 192Os76 + 31P15 + 165.917 MeV [-5.055 MeV] (A_Tl:63)
203Tl81 + 10 D* --> 193Ir77 + 30Si14 + 164.563 MeV [-6.410 MeV] (A_Tl:64)
203Tl81 + 10 D* --> 196Pt78 + 27Al13 + 155.440 MeV [-15.533 MeV] (A_Tl:65)
203Tl81 + 10 D* --> 197Au79 + 26Mg12 + 152.952 MeV [-18.021 MeV] (A_Tl:66)
203Tl81 + 10 D* --> 200Hg80 + 23Na11 + 144.630 MeV [-26.343 MeV] (A_Tl:67)
203Tl81 + 10 D* --> 203Tl81 + 20Ne10 + 138.399 MeV [-32.574 MeV] (A_Tl:68)
203Tl81 + 10 D* --> 204Pb82 + 19F9 + 132.193 MeV [-38.780 MeV] (A_Tl:69)

203Tl81 + 11 D* --> 176Yb70 + 49Ti22 + 220.785 MeV [31.190 MeV] (A_Tl:70)
203Tl81 + 11 D* --> 177Hf72 + 48Ca20 + 215.836 MeV [26.241 MeV] (A_Tl:71)
203Tl81 + 11 D* --> 179Hf72 + 46Ca20 + 212.339 MeV [22.744 MeV] (A_Tl:72)
203Tl81 + 11 D* --> 189Os76 + 36S16 + 188.381 MeV [-1.213 MeV] (A_Tl:73)
203Tl81 + 11 D* --> 192Os76 + 33S16 + 181.198 MeV [-8.396 MeV] (A_Tl:74)
203Tl81 + 11 D* --> 195Pt78 + 30Si14 + 175.962 MeV [-13.633 MeV] (A_Tl:75)
203Tl81 + 11 D* --> 196Pt78 + 29Si14 + 173.274 MeV [-16.320 MeV] (A_Tl:76)
203Tl81 + 11 D* --> 199Hg80 + 26Mg12 + 164.493 MeV [-25.101 MeV] (A_Tl:77)
203Tl81 + 11 D* --> 200Hg80 + 25Mg12 + 161.429 MeV [-28.166 MeV] (A_Tl:78)
203Tl81 + 11 D* --> 201Hg80 + 24Mg12 + 160.329 MeV [-29.266 MeV] (A_Tl:79)
203Tl81 + 11 D* --> 204Pb82 + 21Ne10 + 149.573 MeV [-40.021 MeV] (A_Tl:80)

203Tl81 + 12 D* --> 176Yb70 + 51V23 + 237.563 MeV [29.076 MeV] (A_Tl:81)
203Tl81 + 12 D* --> 181Ta73 + 46Ca20 + 223.444 MeV [14.957 MeV] (A_Tl:82)
203Tl81 + 12 D* --> 186W74 + 41K19 + 209.936 MeV [1.449 MeV] (A_Tl:83)
203Tl81 + 12 D* --> 187Re75 + 40Ar18 + 208.123 MeV [-0.364 MeV] (A_Tl:84)
203Tl81 + 12 D* --> 190Os76 + 37Cl17 + 202.335 MeV [-6.152 MeV] (A_Tl:85)
203Tl81 + 12 D* --> 192Os76 + 35Cl17 + 196.762 MeV [-11.726 MeV] (A_Tl:86)
203Tl81 + 12 D* --> 191Ir77 + 36S16 + 199.238 MeV [-9.249 MeV] (A_Tl:87)
203Tl81 + 12 D* --> 193Ir77 + 34S16 + 196.333 MeV [-12.154 MeV] (A_Tl:88)
203Tl81 + 12 D* --> 196Pt78 + 31P15 + 188.956 MeV [-19.531 MeV] (A_Tl:89)

203Tl81 + 12 D* --> 197Au79 + 30Si14 + 187.441 MeV [-21.046 MeV] (A_Tl:90)
203Tl81 + 12 D* --> 200Hg80 + 27Al13 + 178.568 MeV [-29.919 MeV] (A_Tl:91)
203Tl81 + 12 D* --> 203Tl81 + 24Mg12 + 171.562 MeV [-36.925 MeV] (A_Tl:92)
203Tl81 + 12 D* --> 204Pb82 + 23Na11 + 166.507 MeV [-41.980 MeV] (A_Tl:93)

205Tl81 + D* --> 198Pt78 + 9Be4 + 7.875 MeV [-7.899 MeV] (A_Tl:94)
205Tl81 + D* --> 207Pb82 + 11.767 MeV [-4.007 MeV] (A_Tl:95)

205Tl81 + 2 D* --> 198Pt78 + 11B5 + 23.691 MeV [-8.145 MeV] (A_Tl:96)
205Tl81 + 2 D* --> 202Hg80 + 7Li3 + 14.889 MeV [-16.947 MeV] (A_Tl:97)
205Tl81 + 2 D* --> 205Tl81 + 4He2 + 23.847 MeV [-7.989 MeV] (A_Tl:98)
205Tl81 + 2 D* --> 207Pb82 + 2H1 + 11.767 MeV [-20.069 MeV] (A_Tl:99)
205Tl81 + 2 D* --> 208Pb82 + 1H1 + 16.910 MeV [-14.925 MeV] (A_Tl:100)
205Tl81 + 2 D* --> 209Bi83 + 20.709 MeV [-11.126 MeV] (A_Tl:101)

205Tl81 + 3 D* --> 198Pt78 + 13C6 + 42.369 MeV [-5.813 MeV] (A_Tl:102)
205Tl81 + 3 D* --> 202Hg80 + 9Be4 + 31.585 MeV [-16.598 MeV] (A_Tl:103)
205Tl81 + 3 D* --> 205Tl81 + 6Li3 + 25.320 MeV [-22.862 MeV] (A_Tl:104)
205Tl81 + 3 D* --> 207Pb82 + 4He2 + 35.614 MeV [-12.569 MeV] (A_Tl:105)
205Tl81 + 3 D* --> 208Pb82 + 3He2 + 22.404 MeV [-25.779 MeV] (A_Tl:106)
205Tl81 + 3 D* --> 209Bi83 + 2H1 + 20.709 MeV [-27.473 MeV] (A_Tl:107)

205Tl81 + 4 D* --> 198Pt78 + 15N7 + 58.529 MeV [-6.285 MeV] (A_Tl:108)
205Tl81 + 4 D* --> 202Hg80 + 11B5 + 47.400 MeV [-17.413 MeV] (A_Tl:109)
205Tl81 + 4 D* --> 206Pb82 + 7Li3 + 37.600 MeV [-27.214 MeV] (A_Tl:110)
205Tl81 + 4 D* --> 207Pb82 + 6Li3 + 37.087 MeV [-27.726 MeV] (A_Tl:111)
205Tl81 + 4 D* --> 209Bi83 + 4He2 + 44.556 MeV [-20.258 MeV] (A_Tl:112)

205Tl81 + 5 D* --> 198Pt78 + 17O8 + 72.575 MeV [-9.152 MeV] (A_Tl:113)
205Tl81 + 5 D* --> 202Hg80 + 13C6 + 66.079 MeV [-15.647 MeV] (A_Tl:114)
205Tl81 + 5 D* --> 205Tl81 + 10B5 + 53.628 MeV [-28.098 MeV] (A_Tl:115)
205Tl81 + 5 D* --> 206Pb82 + 9Be4 + 54.296 MeV [-27.431 MeV] (A_Tl:116)
205Tl81 + 5 D* --> 209Bi83 + 6Li3 + 46.030 MeV [-35.697 MeV] (A_Tl:117)

205Tl81 + 6 D* --> 198Pt78 + 19F9 + 86.389 MeV [-12.531 MeV] (A_Tl:118)
205Tl81 + 6 D* --> 202Hg80 + 15N7 + 82.238 MeV [-16.681 MeV] (A_Tl:119)
205Tl81 + 6 D* --> 205Tl81 + 12C6 + 78.814 MeV [-20.105 MeV] (A_Tl:120)
205Tl81 + 6 D* --> 206Pb82 + 11B5 + 70.111 MeV [-28.808 MeV] (A_Tl:121)
205Tl81 + 6 D* --> 207Pb82 + 10B5 + 65.395 MeV [-33.525 MeV] (A_Tl:122)

205Tl81 + 7 D* --> 198Pt78 + 21Ne10 + 103.769 MeV [-12.623 MeV] (A_Tl:123)
205Tl81 + 7 D* --> 201Hg80 + 18O8 + 96.574 MeV [-19.817 MeV] (A_Tl:124)
205Tl81 + 7 D* --> 202Hg80 + 17O8 + 96.284 MeV [-20.107 MeV] (A_Tl:125)
205Tl81 + 7 D* --> 205Tl81 + 14N7 + 89.087 MeV [-27.305 MeV] (A_Tl:126)
205Tl81 + 7 D* --> 206Pb82 + 13C6 + 88.790 MeV [-27.602 MeV] (A_Tl:127)
205Tl81 + 7 D* --> 207Pb82 + 12C6 + 90.581 MeV [-25.810 MeV] (A_Tl:128)
205Tl81 + 7 D* --> 209Bi83 + 10B5 + 74.337 MeV [-42.054 MeV] (A_Tl:129)

205Tl81 + 8 D* --> 198Pt78 + 23Na11 + 120.703 MeV [-13.438 MeV] (A_Tl:130)
205Tl81 + 8 D* --> 202Hg80 + 19F9 + 110.098 MeV [-24.042 MeV] (A_Tl:131)
205Tl81 + 8 D* --> 203Tl81 + 18O8 + 107.808 MeV [-26.333 MeV] (A_Tl:132)
205Tl81 + 8 D* --> 205Tl81 + 16O8 + 109.823 MeV [-24.318 MeV] (A_Tl:133)
205Tl81 + 8 D* --> 206Pb82 + 15N7 + 104.949 MeV [-29.192 MeV] (A_Tl:134)
205Tl81 + 8 D* --> 207Pb82 + 14N7 + 100.854 MeV [-33.287 MeV] (A_Tl:135)

205Tl81 + 8 D* --> 209Bi83 + 12C6 + 99.524 MeV [-34.617 MeV] (A_Tl:136)

205Tl81 + 9 D* --> 198Pt78 + 25Mg12 + 137.501 MeV [-14.664 MeV] (A_Tl:137)
205Tl81 + 9 D* --> 201Hg80 + 22Ne10 + 130.089 MeV [-22.077 MeV] (A_Tl:138)
205Tl81 + 9 D* --> 202Hg80 + 21Ne10 + 127.479 MeV [-24.687 MeV] (A_Tl:139)
205Tl81 + 9 D* --> 206Pb82 + 17O8 + 118.995 MeV [-33.171 MeV] (A_Tl:140)
205Tl81 + 9 D* --> 207Pb82 + 16O8 + 121.590 MeV [-30.576 MeV] (A_Tl:141)
205Tl81 + 9 D* --> 209Bi83 + 14N7 + 109.796 MeV [-42.370 MeV] (A_Tl:142)

205Tl81 + 10 D* --> 198Pt78 + 27Al13 + 154.641 MeV [-15.824 MeV] (A_Tl:143)
205Tl81 + 10 D* --> 202Hg80 + 23Na11 + 144.412 MeV [-26.052 MeV] (A_Tl:144)
205Tl81 + 10 D* --> 203Tl81 + 22Ne10 + 141.323 MeV [-29.142 MeV] (A_Tl:145)
205Tl81 + 10 D* --> 205Tl81 + 20Ne10 + 138.399 MeV [-32.065 MeV] (A_Tl:146)
205Tl81 + 10 D* --> 206Pb82 + 19F9 + 132.809 MeV [-37.655 MeV] (A_Tl:147)
205Tl81 + 10 D* --> 209Bi83 + 16O8 + 130.532 MeV [-39.932 MeV] (A_Tl:148)

205Tl81 + 11 D* --> 179Hf72 + 48Ca20 + 215.358 MeV [26.322 MeV] (A_Tl:149)
205Tl81 + 11 D* --> 198Pt78 + 29Si14 + 172.475 MeV [-16.561 MeV] (A_Tl:150)
205Tl81 + 11 D* --> 201Hg80 + 26Mg12 + 164.550 MeV [-24.486 MeV] (A_Tl:151)
205Tl81 + 11 D* --> 202Hg80 + 25Mg12 + 161.211 MeV [-27.825 MeV] (A_Tl:152)
205Tl81 + 11 D* --> 206Pb82 + 21Ne10 + 150.190 MeV [-38.846 MeV] (A_Tl:153)
205Tl81 + 11 D* --> 207Pb82 + 20Ne10 + 150.166 MeV [-38.870 MeV] (A_Tl:154)

205Tl81 + 12 D* --> 181Ta73 + 48Ca20 + 226.464 MeV [18.585 MeV] (A_Tl:155)
205Tl81 + 12 D* --> 192Os76 + 37Cl17 + 201.450 MeV [-6.428 MeV] (A_Tl:156)
205Tl81 + 12 D* --> 193Ir77 + 36S16 + 199.006 MeV [-8.873 MeV] (A_Tl:157)
205Tl81 + 12 D* --> 198Pt78 + 31P15 + 188.157 MeV [-19.722 MeV] (A_Tl:158)
205Tl81 + 12 D* --> 202Hg80 + 27Al13 + 178.351 MeV [-29.528 MeV] (A_Tl:159)
205Tl81 + 12 D* --> 203Tl81 + 26Mg12 + 175.784 MeV [-32.095 MeV] (A_Tl:160)
205Tl81 + 12 D* --> 205Tl81 + 24Mg12 + 171.562 MeV [-36.316 MeV] (A_Tl:161)
205Tl81 + 12 D* --> 206Pb82 + 23Na11 + 167.123 MeV [-40.755 MeV] (A_Tl:162)
205Tl81 + 12 D* --> 209Bi83 + 20Ne10 + 159.108 MeV [-48.770 MeV] (A_Tl:163)

---------- Equations follow for Lead, Pb, element 82 ----------

204Pb82 + D* --> 192Os76 + 14N7 + 21.043 MeV [5.048 MeV] (A_Pb:1)
204Pb82 + D* --> 193Ir77 + 13C6 + 19.435 MeV [3.440 MeV] (A_Pb:2)
204Pb82 + D* --> 195Pt78 + 11B5 + 12.155 MeV [-3.840 MeV] (A_Pb:3)
204Pb82 + D* --> 196Pt78 + 10B5 + 8.623 MeV [-7.372 MeV] (A_Pb:4)
204Pb82 + D* --> 197Au79 + 9Be4 + 7.819 MeV [-8.175 MeV] (A_Pb:5)
204Pb82 + D* --> 199Hg80 + 7Li3 + 2.665 MeV [-13.330 MeV] (A_Pb:6)
204Pb82 + D* --> 200Hg80 + 6Li3 + 3.443 MeV [-12.551 MeV] (A_Pb:7)

204Pb82 + 2 D* --> 160Gd64 + 48Ca20 + 113.324 MeV [81.049 MeV] (A_Pb:8)
204Pb82 + 2 D* --> 186W74 + 22Ne10 + 51.696 MeV [19.420 MeV] (A_Pb:9)
204Pb82 + 2 D* --> 190Os76 + 18O8 + 40.650 MeV [8.374 MeV] (A_Pb:10)
204Pb82 + 2 D* --> 192Os76 + 16O8 + 41.779 MeV [9.504 MeV] (A_Pb:11)
204Pb82 + 2 D* --> 193Ir77 + 15N7 + 35.594 MeV [3.319 MeV] (A_Pb:12)
204Pb82 + 2 D* --> 195Pt78 + 13C6 + 30.834 MeV [-1.442 MeV] (A_Pb:13)
204Pb82 + 2 D* --> 196Pt78 + 12C6 + 33.809 MeV [1.534 MeV] (A_Pb:14)
204Pb82 + 2 D* --> 197Au79 + 11B5 + 23.635 MeV [-8.641 MeV] (A_Pb:15)
204Pb82 + 2 D* --> 199Hg80 + 9Be4 + 19.361 MeV [-12.914 MeV] (A_Pb:16)
204Pb82 + 2 D* --> 204Pb82 + 4He2 + 23.847 MeV [-8.429 MeV] (A_Pb:17)

204Pb82 + 3 D* --> 193Ir77 + 17O8 + 49.640 MeV [00.800 MeV] (A_Pb:18)
204Pb82 + 3 D* --> 195Pt78 + 15N7 + 46.993 MeV [-1.848 MeV] (A_Pb:19)
204Pb82 + 3 D* --> 196Pt78 + 14N7 + 44.081 MeV [-4.759 MeV] (A_Pb:20)
204Pb82 + 3 D* --> 197Au79 + 13C6 + 42.314 MeV [-6.527 MeV] (A_Pb:21)
204Pb82 + 3 D* --> 199Hg80 + 11B5 + 35.177 MeV [-13.664 MeV] (A_Pb:22)
204Pb82 + 3 D* --> 200Hg80 + 10B5 + 31.751 MeV [-17.090 MeV] (A_Pb:23)
204Pb82 + 3 D* --> 204Pb82 + 6Li3 + 25.320 MeV [-23.520 MeV] (A_Pb:24)

204Pb82 + 4 D* --> 130Te52 + 82Se34 + 192.379 MeV [126.691 MeV] (A_Pb:25)
204Pb82 + 4 D* --> 136Xe54 + 76Ge32 + 187.071 MeV [121.383 MeV] (A_Pb:26)
204Pb82 + 4 D* --> 164Dy66 + 48Ca20 + 137.621 MeV [71.933 MeV] (A_Pb:27)
204Pb82 + 4 D* --> 176Yb70 + 36S16 + 111.591 MeV [45.903 MeV] (A_Pb:28)
204Pb82 + 4 D* --> 186W74 + 26Mg12 + 86.157 MeV [20.469 MeV] (A_Pb:29)
204Pb82 + 4 D* --> 190Os76 + 22Ne10 + 74.164 MeV [8.476 MeV] (A_Pb:30)
204Pb82 + 4 D* --> 192Os76 + 20Ne10 + 70.356 MeV [4.668 MeV] (A_Pb:31)
204Pb82 + 4 D* --> 193Ir77 + 19F9 + 63.454 MeV [-2.234 MeV] (A_Pb:32)
204Pb82 + 4 D* --> 194Pt78 + 18O8 + 62.978 MeV [-2.710 MeV] (A_Pb:33)
204Pb82 + 4 D* --> 195Pt78 + 17O8 + 61.039 MeV [-4.649 MeV] (A_Pb:34)
204Pb82 + 4 D* --> 196Pt78 + 16O8 + 64.818 MeV [-0.870 MeV] (A_Pb:35)
204Pb82 + 4 D* --> 197Au79 + 15N7 + 58.473 MeV [-7.215 MeV] (A_Pb:36)
204Pb82 + 4 D* --> 199Hg80 + 13C6 + 53.855 MeV [-11.833 MeV] (A_Pb:37)
204Pb82 + 4 D* --> 200Hg80 + 12C6 + 56.937 MeV [-8.751 MeV] (A_Pb:38)

204Pb82 + 5 D* --> 193Ir77 + 21Ne10 + 80.834 MeV [-1.982 MeV] (A_Pb:39)
204Pb82 + 5 D* --> 195Pt78 + 19F9 + 74.853 MeV [-7.963 MeV] (A_Pb:40)
204Pb82 + 5 D* --> 197Au79 + 17O8 + 72.519 MeV [-10.298 MeV] (A_Pb:41)
204Pb82 + 5 D* --> 199Hg80 + 15N7 + 70.014 MeV [-12.802 MeV] (A_Pb:42)
204Pb82 + 5 D* --> 200Hg80 + 14N7 + 67.210 MeV [-15.607 MeV] (A_Pb:43)
204Pb82 + 5 D* --> 204Pb82 + 10B5 + 53.628 MeV [-29.189 MeV] (A_Pb:44)

204Pb82 + 6 D* --> 130Te52 + 86Kr36 + 224.322 MeV [124.098 MeV] (A_Pb:45)
204Pb82 + 6 D* --> 134Xe54 + 82Se34 + 219.423 MeV [119.199 MeV] (A_Pb:46)
204Pb82 + 6 D* --> 136Xe54 + 80Se34 + 217.890 MeV [117.666 MeV] (A_Pb:47)
204Pb82 + 6 D* --> 168Er68 + 48Ca20 + 160.915 MeV [60.691 MeV] (A_Pb:48)
204Pb82 + 6 D* --> 170Er68 + 46Ca20 + 156.954 MeV [56.730 MeV] (A_Pb:49)
204Pb82 + 6 D* --> 176Yb70 + 40Ar18 + 142.239 MeV [42.015 MeV] (A_Pb:50)
204Pb82 + 6 D* --> 180Hf72 + 36S16 + 134.157 MeV [33.933 MeV] (A_Pb:51)
204Pb82 + 6 D* --> 186W74 + 30Si14 + 120.647 MeV [20.423 MeV] (A_Pb:52)
204Pb82 + 6 D* --> 190Os76 + 26Mg12 + 108.626 MeV [8.402 MeV] (A_Pb:53)
204Pb82 + 6 D* --> 192Os76 + 24Mg12 + 103.519 MeV [3.295 MeV] (A_Pb:54)
204Pb82 + 6 D* --> 193Ir77 + 23Na11 + 97.768 MeV [-2.456 MeV] (A_Pb:55)
204Pb82 + 6 D* --> 194Pt78 + 22Ne10 + 96.492 MeV [-3.732 MeV] (A_Pb:56)
204Pb82 + 6 D* --> 195Pt78 + 21Ne10 + 92.233 MeV [-7.991 MeV] (A_Pb:57)
204Pb82 + 6 D* --> 196Pt78 + 20Ne10 + 93.394 MeV [-6.830 MeV] (A_Pb:58)
204Pb82 + 6 D* --> 197Au79 + 19F9 + 86.333 MeV [-13.891 MeV] (A_Pb:59)
204Pb82 + 6 D* --> 198Hg80 + 18O8 + 85.441 MeV [-14.783 MeV] (A_Pb:60)
204Pb82 + 6 D* --> 199Hg80 + 17O8 + 84.060 MeV [-16.164 MeV] (A_Pb:61)
204Pb82 + 6 D* --> 200Hg80 + 16O8 + 87.946 MeV [-12.278 MeV] (A_Pb:62)
204Pb82 + 6 D* --> 204Pb82 + 12C6 + 78.814 MeV [-21.410 MeV] (A_Pb:63)

204Pb82 + 7 D* --> 193Ir77 + 25Mg12 + 114.567 MeV [-3.342 MeV] (A_Pb:64)
204Pb82 + 7 D* --> 195Pt78 + 23Na11 + 109.167 MeV [-8.742 MeV] (A_Pb:65)
204Pb82 + 7 D* --> 197Au79 + 21Ne10 + 103.713 MeV [-14.196 MeV] (A_Pb:66)
204Pb82 + 7 D* --> 199Hg80 + 19F9 + 97.875 MeV [-20.034 MeV] (A_Pb:67)

204Pb82 + 7 D* --> 204Pb82 + 14N7 + 89.087 MeV [-28.823 MeV] (A_Pb:68)

204Pb82 + 8 D* --> 124Sn50 + 96Zr40 + 253.656 MeV [117.785 MeV] (A_Pb:69)
204Pb82 + 8 D* --> 134Xe54 + 86Kr36 + 251.366 MeV [115.496 MeV] (A_Pb:70)
204Pb82 + 8 D* --> 136Xe54 + 84Kr36 + 248.832 MeV [112.962 MeV] (A_Pb:71)
204Pb82 + 8 D* --> 138Ba56 + 82Se34 + 245.832 MeV [109.961 MeV] (A_Pb:72)
204Pb82 + 8 D* --> 150Nd60 + 70Zn30 + 223.230 MeV [87.360 MeV] (A_Pb:73)
204Pb82 + 8 D* --> 170Er68 + 50Ti22 + 191.517 MeV [55.647 MeV] (A_Pb:74)
204Pb82 + 8 D* --> 172Yb70 + 48Ca20 + 183.450 MeV [47.580 MeV] (A_Pb:75)
204Pb82 + 8 D* --> 174Yb70 + 46Ca20 + 180.061 MeV [44.190 MeV] (A_Pb:76)
204Pb82 + 8 D* --> 176Yb70 + 44Ca20 + 174.939 MeV [39.068 MeV] (A_Pb:77)
204Pb82 + 8 D* --> 180Hf72 + 40Ar18 + 164.804 MeV [28.934 MeV] (A_Pb:78)
204Pb82 + 8 D* --> 184W74 + 36S16 + 156.347 MeV [20.477 MeV] (A_Pb:79)
204Pb82 + 8 D* --> 186W74 + 34S16 + 152.417 MeV [16.547 MeV] (A_Pb:80)
204Pb82 + 8 D* --> 190Os76 + 30Si14 + 143.115 MeV [7.245 MeV] (A_Pb:81)
204Pb82 + 8 D* --> 192Os76 + 28Si14 + 137.349 MeV [1.479 MeV] (A_Pb:82)
204Pb82 + 8 D* --> 193Ir77 + 27Al13 + 131.707 MeV [-4.164 MeV] (A_Pb:83)
204Pb82 + 8 D* --> 194Pt78 + 26Mg12 + 130.954 MeV [-4.917 MeV] (A_Pb:84)
204Pb82 + 8 D* --> 195Pt78 + 25Mg12 + 125.966 MeV [-9.905 MeV] (A_Pb:85)
204Pb82 + 8 D* --> 196Pt78 + 24Mg12 + 126.557 MeV [-9.313 MeV] (A_Pb:86)
204Pb82 + 8 D* --> 197Au79 + 23Na11 + 120.647 MeV [-15.223 MeV] (A_Pb:87)
204Pb82 + 8 D* --> 198Hg80 + 22Ne10 + 118.955 MeV [-16.915 MeV] (A_Pb:88)
204Pb82 + 8 D* --> 199Hg80 + 21Ne10 + 115.255 MeV [-20.616 MeV] (A_Pb:89)
204Pb82 + 8 D* --> 200Hg80 + 20Ne10 + 116.522 MeV [-19.348 MeV] (A_Pb:90)
204Pb82 + 8 D* --> 204Pb82 + 16O8 + 109.823 MeV [-26.048 MeV] (A_Pb:91)

204Pb82 + 9 D* --> 176Lu71 + 46Ca20 + 189.634 MeV [35.528 MeV] (A_Pb:92)
204Pb82 + 9 D* --> 193Ir77 + 29Si14 + 149.541 MeV [-4.565 MeV] (A_Pb:93)
204Pb82 + 9 D* --> 195Pt78 + 27Al13 + 143.105 MeV [-11.001 MeV] (A_Pb:94)
204Pb82 + 9 D* --> 197Au79 + 25Mg12 + 137.446 MeV [-16.660 MeV] (A_Pb:95)
204Pb82 + 9 D* --> 199Hg80 + 23Na11 + 132.189 MeV [-21.917 MeV] (A_Pb:96)

204Pb82 + 10 D* --> 124Sn50 + 100Mo42 + 280.669 MeV [108.054 MeV] (A_Pb:97)
204Pb82 + 10 D* --> 128Te52 + 96Zr40 + 280.682 MeV [108.068 MeV] (A_Pb:98)
204Pb82 + 10 D* --> 130Te52 + 94Zr40 + 280.866 MeV [108.251 MeV] (A_Pb:99)
204Pb82 + 10 D* --> 136Xe54 + 88Sr38 + 280.594 MeV [107.980 MeV] (A_Pb:100)
204Pb82 + 10 D* --> 138Ba56 + 86Kr36 + 277.775 MeV [105.160 MeV] (A_Pb:101)
204Pb82 + 10 D* --> 142Ce58 + 82Se34 + 268.380 MeV [95.765 MeV] (A_Pb:102)
204Pb82 + 10 D* --> 148Nd60 + 76Ge32 + 256.874 MeV [84.259 MeV] (A_Pb:103)
204Pb82 + 10 D* --> 150Nd60 + 74Ge32 + 253.360 MeV [80.745 MeV] (A_Pb:104)
204Pb82 + 10 D* --> 154Sm62 + 70Zn30 + 248.274 MeV [75.659 MeV] (A_Pb:105)
204Pb82 + 10 D* --> 160Gd64 + 64Ni28 + 241.295 MeV [68.681 MeV] (A_Pb:106)
204Pb82 + 10 D* --> 170Er68 + 54Cr24 + 223.295 MeV [50.680 MeV] (A_Pb:107)
204Pb82 + 10 D* --> 174Yb70 + 50Ti22 + 214.624 MeV [42.009 MeV] (A_Pb:108)
204Pb82 + 10 D* --> 176Yb70 + 48Ti22 + 208.229 MeV [35.615 MeV] (A_Pb:109)
204Pb82 + 10 D* --> 176Hf72 + 48Ca20 + 205.039 MeV [32.424 MeV] (A_Pb:110)
204Pb82 + 10 D* --> 178Hf72 + 46Ca20 + 201.827 MeV [29.212 MeV] (A_Pb:111)
204Pb82 + 10 D* --> 180Hf72 + 44Ca20 + 197.504 MeV [24.890 MeV] (A_Pb:112)
204Pb82 + 10 D* --> 184W74 + 40Ar18 + 186.995 MeV [14.380 MeV] (A_Pb:113)
204Pb82 + 10 D* --> 186W74 + 38Ar18 + 183.472 MeV [10.857 MeV] (A_Pb:114)
204Pb82 + 10 D* --> 187Re75 + 37Cl17 + 179.225 MeV [6.610 MeV] (A_Pb:115)
204Pb82 + 10 D* --> 188Os76 + 36S16 + 178.048 MeV [5.433 MeV] (A_Pb:116)
204Pb82 + 10 D* --> 190Os76 + 34S16 + 174.886 MeV [2.271 MeV] (A_Pb:117)
204Pb82 + 10 D* --> 192Os76 + 32S16 + 168.144 MeV [-4.471 MeV] (A_Pb:118)

204Pb82 + 10 D* --> 193Ir77 + 31P15 + 165.222 MeV [-7.393 MeV] (A_Pb:119)
204Pb82 + 10 D* --> 194Pt78 + 30Si14 + 165.444 MeV [-7.171 MeV] (A_Pb:120)
204Pb82 + 10 D* --> 195Pt78 + 29Si14 + 160.939 MeV [-11.675 MeV] (A_Pb:121)
204Pb82 + 10 D* --> 196Pt78 + 28Si14 + 160.388 MeV [-12.227 MeV] (A_Pb:122)
204Pb82 + 10 D* --> 197Au79 + 27Al13 + 154.585 MeV [-18.030 MeV] (A_Pb:123)
204Pb82 + 10 D* --> 198Hg80 + 26Mg12 + 153.417 MeV [-19.198 MeV] (A_Pb:124)
204Pb82 + 10 D* --> 199Hg80 + 25Mg12 + 148.987 MeV [-23.627 MeV] (A_Pb:125)
204Pb82 + 10 D* --> 200Hg80 + 24Mg12 + 149.685 MeV [-22.930 MeV] (A_Pb:126)
204Pb82 + 10 D* --> 204Pb82 + 20Ne10 + 138.399 MeV [-34.216 MeV] (A_Pb:127)

204Pb82 + 11 D* --> 176Yb70 + 50V23 + 222.099 MeV [30.704 MeV] (A_Pb:128)
204Pb82 + 11 D* --> 176Lu71 + 50Ti22 + 224.197 MeV [32.802 MeV] (A_Pb:129)
204Pb82 + 11 D* --> 180Ta73 + 46Ca20 + 211.454 MeV [20.060 MeV] (A_Pb:130)
204Pb82 + 11 D* --> 186W74 + 40K19 + 195.428 MeV [4.033 MeV] (A_Pb:131)
204Pb82 + 11 D* --> 189Os76 + 37Cl17 + 190.130 MeV [-1.265 MeV] (A_Pb:132)
204Pb82 + 11 D* --> 193Ir77 + 33S16 + 180.503 MeV [-10.892 MeV] (A_Pb:133)
204Pb82 + 11 D* --> 195Pt78 + 31P15 + 176.621 MeV [-14.774 MeV] (A_Pb:134)
204Pb82 + 11 D* --> 197Au79 + 29Si14 + 172.419 MeV [-18.975 MeV] (A_Pb:135)
204Pb82 + 11 D* --> 199Hg80 + 27Al13 + 166.127 MeV [-25.268 MeV] (A_Pb:136)

204Pb82 + 12 D* --> 124Sn50 + 104Ru44 + 308.845 MeV [98.400 MeV] (A_Pb:137)
204Pb82 + 12 D* --> 128Te52 + 100Mo42 + 307.695 MeV [97.250 MeV] (A_Pb:138)
204Pb82 + 12 D* --> 130Te52 + 98Mo42 + 307.982 MeV [97.537 MeV] (A_Pb:139)
204Pb82 + 12 D* --> 132Xe54 + 96Zr40 + 307.242 MeV [96.797 MeV] (A_Pb:140)
204Pb82 + 12 D* --> 134Xe54 + 94Zr40 + 307.910 MeV [97.465 MeV] (A_Pb:141)
204Pb82 + 12 D* --> 136Xe54 + 92Zr40 + 307.398 MeV [96.953 MeV] (A_Pb:142)
204Pb82 + 12 D* --> 142Ce58 + 86Kr36 + 300.323 MeV [89.878 MeV] (A_Pb:143)
204Pb82 + 12 D* --> 146Nd60 + 82Se34 + 291.044 MeV [80.599 MeV] (A_Pb:144)
204Pb82 + 12 D* --> 148Nd60 + 80Se34 + 287.692 MeV [77.247 MeV] (A_Pb:145)
204Pb82 + 12 D* --> 150Nd60 + 78Se34 + 283.235 MeV [72.790 MeV] (A_Pb:146)
204Pb82 + 12 D* --> 152Sm62 + 76Ge32 + 280.501 MeV [70.056 MeV] (A_Pb:147)
204Pb82 + 12 D* --> 154Sm62 + 74Ge32 + 278.403 MeV [67.958 MeV] (A_Pb:148)
204Pb82 + 12 D* --> 158Gd64 + 70Zn30 + 272.780 MeV [62.335 MeV] (A_Pb:149)
204Pb82 + 12 D* --> 160Gd64 + 68Zn30 + 270.475 MeV [60.030 MeV] (A_Pb:150)
204Pb82 + 12 D* --> 164Dy66 + 64Ni28 + 265.592 MeV [55.147 MeV] (A_Pb:151)
204Pb82 + 12 D* --> 170Er68 + 58Fe26 + 254.787 MeV [44.342 MeV] (A_Pb:152)
204Pb82 + 12 D* --> 174Yb70 + 54Cr24 + 246.401 MeV [35.956 MeV] (A_Pb:153)
204Pb82 + 12 D* --> 176Yb70 + 52Cr24 + 241.430 MeV [30.985 MeV] (A_Pb:154)
204Pb82 + 12 D* --> 178Hf72 + 50Ti22 + 236.390 MeV [25.945 MeV] (A_Pb:155)
204Pb82 + 12 D* --> 179Hf72 + 49Ti22 + 231.550 MeV [21.105 MeV] (A_Pb:156)
204Pb82 + 12 D* --> 180Hf72 + 48Ti22 + 230.795 MeV [20.350 MeV] (A_Pb:157)
204Pb82 + 12 D* --> 180W74 + 48Ca20 + 226.378 MeV [15.933 MeV] (A_Pb:158)
204Pb82 + 12 D* --> 182W74 + 46Ca20 + 223.902 MeV [13.457 MeV] (A_Pb:159)
204Pb82 + 12 D* --> 184W74 + 44Ca20 + 219.695 MeV [9.250 MeV] (A_Pb:160)
204Pb82 + 12 D* --> 186W74 + 42Ca20 + 213.576 MeV [3.131 MeV] (A_Pb:161)
204Pb82 + 12 D* --> 187Re75 + 41K19 + 209.294 MeV [-1.151 MeV] (A_Pb:162)
204Pb82 + 12 D* --> 188Os76 + 40Ar18 + 208.695 MeV [-1.750 MeV] (A_Pb:163)
204Pb82 + 12 D* --> 190Os76 + 38Ar18 + 205.940 MeV [-4.505 MeV] (A_Pb:164)
204Pb82 + 12 D* --> 192Os76 + 36Ar18 + 198.631 MeV [-11.814 MeV] (A_Pb:165)
204Pb82 + 12 D* --> 191Ir77 + 37Cl17 + 200.987 MeV [-9.458 MeV] (A_Pb:166)
204Pb82 + 12 D* --> 193Ir77 + 35Cl17 + 196.066 MeV [-14.379 MeV] (A_Pb:167)
204Pb82 + 12 D* --> 192Pt78 + 36S16 + 199.476 MeV [-10.969 MeV] (A_Pb:168)
204Pb82 + 12 D* --> 194Pt78 + 34S16 + 197.214 MeV [-13.231 MeV] (A_Pb:169)
204Pb82 + 12 D* --> 195Pt78 + 33S16 + 191.902 MeV [-18.543 MeV] (A_Pb:170)

Report A - Energetically Feasible Aneutronic X + n D* --> Y + Z Reactions, n = 1 to 12
Creating Stable Isotopes Y and Z With No Weak Reactions

204Pb82 + 12 D* --> 196Pt78 + 32S16 + 191.182 MeV [-19.263 MeV] (A_Pb:171)
204Pb82 + 12 D* --> 197Au79 + 31P15 + 188.101 MeV [-22.344 MeV] (A_Pb:172)
204Pb82 + 12 D* --> 198Hg80 + 30Si14 + 187.906 MeV [-22.539 MeV] (A_Pb:173)
204Pb82 + 12 D* --> 199Hg80 + 29Si14 + 183.961 MeV [-26.484 MeV] (A_Pb:174)
204Pb82 + 12 D* --> 200Hg80 + 28Si14 + 183.516 MeV [-26.929 MeV] (A_Pb:175)
204Pb82 + 12 D* --> 204Pb82 + 24Mg12 + 171.562 MeV [-38.883 MeV] (A_Pb:176)

206Pb82 + D* --> 198Pt78 + 10B5 + 7.207 MeV [-8.736 MeV] (A_Pb:177)
206Pb82 + D* --> 201Hg80 + 7Li3 + 2.105 MeV [-13.838 MeV] (A_Pb:178)
206Pb82 + D* --> 202Hg80 + 6Li3 + 2.609 MeV [-13.334 MeV] (A_Pb:179)
206Pb82 + D* --> 207Pb82 + 1H1 + 4.513 MeV [-11.430 MeV] (A_Pb:180)

206Pb82 + 2 D* --> 192Os76 + 18O8 + 39.148 MeV [6.975 MeV] (A_Pb:181)
206Pb82 + 2 D* --> 198Pt78 + 12C6 + 32.394 MeV [00.221 MeV] (A_Pb:182)
206Pb82 + 2 D* --> 201Hg80 + 9Be4 + 18.802 MeV [-13.371 MeV] (A_Pb:183)
206Pb82 + 2 D* --> 203Tl81 + 7Li3 + 13.339 MeV [-18.834 MeV] (A_Pb:184)
206Pb82 + 2 D* --> 206Pb82 + 4He2 + 23.847 MeV [-8.326 MeV] (A_Pb:185)
206Pb82 + 2 D* --> 207Pb82 + 3He2 + 10.007 MeV [-22.166 MeV] (A_Pb:186)
206Pb82 + 2 D* --> 209Bi83 + 1H1 + 13.455 MeV [-18.717 MeV] (A_Pb:187)

206Pb82 + 3 D* --> 198Pt78 + 14N7 + 42.666 MeV [-6.020 MeV] (A_Pb:188)
206Pb82 + 3 D* --> 201Hg80 + 11B5 + 34.617 MeV [-14.069 MeV] (A_Pb:189)
206Pb82 + 3 D* --> 202Hg80 + 10B5 + 30.917 MeV [-17.770 MeV] (A_Pb:190)
206Pb82 + 3 D* --> 203Tl81 + 9Be4 + 30.035 MeV [-18.651 MeV] (A_Pb:191)
206Pb82 + 3 D* --> 206Pb82 + 6Li3 + 25.320 MeV [-23.366 MeV] (A_Pb:192)
206Pb82 + 3 D* --> 209Bi83 + 3He2 + 18.949 MeV [-29.737 MeV] (A_Pb:193)

206Pb82 + 4 D* --> 192Os76 + 22Ne10 + 72.663 MeV [7.180 MeV] (A_Pb:194)
206Pb82 + 4 D* --> 196Pt78 + 18O8 + 62.186 MeV [-3.296 MeV] (A_Pb:195)
206Pb82 + 4 D* --> 198Pt78 + 16O8 + 63.402 MeV [-2.081 MeV] (A_Pb:196)
206Pb82 + 4 D* --> 201Hg80 + 13C6 + 53.296 MeV [-12.187 MeV] (A_Pb:197)
206Pb82 + 4 D* --> 202Hg80 + 12C6 + 56.103 MeV [-9.379 MeV] (A_Pb:198)
206Pb82 + 4 D* --> 203Tl81 + 11B5 + 45.851 MeV [-19.632 MeV] (A_Pb:199)

206Pb82 + 5 D* --> 201Hg80 + 15N7 + 69.455 MeV [-13.105 MeV] (A_Pb:200)
206Pb82 + 5 D* --> 202Hg80 + 14N7 + 66.376 MeV [-16.184 MeV] (A_Pb:201)
206Pb82 + 5 D* --> 203Tl81 + 13C6 + 64.529 MeV [-18.031 MeV] (A_Pb:202)
206Pb82 + 5 D* --> 206Pb82 + 10B5 + 53.628 MeV [-28.932 MeV] (A_Pb:203)

206Pb82 + 6 D* --> 136Xe54 + 82Se34 + 219.048 MeV [119.131 MeV] (A_Pb:204)
206Pb82 + 6 D* --> 170Er68 + 48Ca20 + 159.358 MeV [59.441 MeV] (A_Pb:205)
206Pb82 + 6 D* --> 192Os76 + 26Mg12 + 107.124 MeV [7.207 MeV] (A_Pb:206)
206Pb82 + 6 D* --> 196Pt78 + 22Ne10 + 95.701 MeV [-4.216 MeV] (A_Pb:207)
206Pb82 + 6 D* --> 198Pt78 + 20Ne10 + 91.978 MeV [-7.938 MeV] (A_Pb:208)
206Pb82 + 6 D* --> 200Hg80 + 18O8 + 85.315 MeV [-14.602 MeV] (A_Pb:209)
206Pb82 + 6 D* --> 201Hg80 + 17O8 + 83.501 MeV [-16.416 MeV] (A_Pb:210)
206Pb82 + 6 D* --> 202Hg80 + 16O8 + 87.112 MeV [-12.805 MeV] (A_Pb:211)
206Pb82 + 6 D* --> 203Tl81 + 15N7 + 80.689 MeV [-19.228 MeV] (A_Pb:212)
206Pb82 + 6 D* --> 206Pb82 + 12C6 + 78.814 MeV [-21.102 MeV] (A_Pb:213)

206Pb82 + 7 D* --> 201Hg80 + 19F9 + 97.315 MeV [-20.236 MeV] (A_Pb:214)
206Pb82 + 7 D* --> 203Tl81 + 17O8 + 94.735 MeV [-22.816 MeV] (A_Pb:215)
206Pb82 + 7 D* --> 206Pb82 + 14N7 + 89.087 MeV [-28.464 MeV] (A_Pb:216)

206Pb82 + 8 D* --> 136Xe54 + 86Kr36 + 250.991 MeV [115.530 MeV] (A_Pb:217)
206Pb82 + 8 D* --> 174Yb70 + 48Ca20 + 182.464 MeV [47.003 MeV] (A_Pb:218)
206Pb82 + 8 D* --> 176Yb70 + 46Ca20 + 177.930 MeV [42.468 MeV] (A_Pb:219)
206Pb82 + 8 D* --> 186W74 + 36S16 + 154.474 MeV [19.013 MeV] (A_Pb:220)
206Pb82 + 8 D* --> 192Os76 + 30Si14 + 141.614 MeV [6.153 MeV] (A_Pb:221)
206Pb82 + 8 D* --> 196Pt78 + 26Mg12 + 130.162 MeV [-5.299 MeV] (A_Pb:222)
206Pb82 + 8 D* --> 198Pt78 + 24Mg12 + 125.142 MeV [-10.320 MeV] (A_Pb:223)
206Pb82 + 8 D* --> 200Hg80 + 22Ne10 + 118.829 MeV [-16.632 MeV] (A_Pb:224)
206Pb82 + 8 D* --> 201Hg80 + 21Ne10 + 114.695 MeV [-20.766 MeV] (A_Pb:225)
206Pb82 + 8 D* --> 202Hg80 + 20Ne10 + 115.688 MeV [-19.773 MeV] (A_Pb:226)
206Pb82 + 8 D* --> 203Tl81 + 19F9 + 108.549 MeV [-26.912 MeV] (A_Pb:227)
206Pb82 + 8 D* --> 204Pb82 + 18O8 + 107.192 MeV [-28.270 MeV] (A_Pb:228)
206Pb82 + 8 D* --> 206Pb82 + 16O8 + 109.823 MeV [-25.638 MeV] (A_Pb:229)

206Pb82 + 9 D* --> 176Lu71 + 48Ca20 + 192.038 MeV [38.391 MeV] (A_Pb:230)
206Pb82 + 9 D* --> 201Hg80 + 23Na11 + 131.629 MeV [-22.017 MeV] (A_Pb:231)
206Pb82 + 9 D* --> 203Tl81 + 21Ne10 + 125.929 MeV [-27.717 MeV] (A_Pb:232)

206Pb82 + 10 D* --> 130Te52 + 96Zr40 + 280.366 MeV [108.262 MeV] (A_Pb:233)
206Pb82 + 10 D* --> 150Nd60 + 76Ge32 + 254.474 MeV [82.370 MeV] (A_Pb:234)
206Pb82 + 10 D* --> 176Yb70 + 50Ti22 + 212.493 MeV [40.389 MeV] (A_Pb:235)
206Pb82 + 10 D* --> 178Hf72 + 48Ca20 + 204.230 MeV [32.126 MeV] (A_Pb:236)
206Pb82 + 10 D* --> 180Hf72 + 46Ca20 + 200.495 MeV [28.391 MeV] (A_Pb:237)
206Pb82 + 10 D* --> 186W74 + 40Ar18 + 185.121 MeV [13.017 MeV] (A_Pb:238)
206Pb82 + 10 D* --> 190Os76 + 36S16 + 176.942 MeV [4.838 MeV] (A_Pb:239)
206Pb82 + 10 D* --> 192Os76 + 34S16 + 173.384 MeV [1.280 MeV] (A_Pb:240)
206Pb82 + 10 D* --> 196Pt78 + 30Si14 + 164.652 MeV [-7.452 MeV] (A_Pb:241)
206Pb82 + 10 D* --> 198Pt78 + 28Si14 + 158.972 MeV [-13.132 MeV] (A_Pb:242)
206Pb82 + 10 D* --> 200Hg80 + 26Mg12 + 153.290 MeV [-18.814 MeV] (A_Pb:243)
206Pb82 + 10 D* --> 201Hg80 + 25Mg12 + 148.428 MeV [-23.676 MeV] (A_Pb:244)
206Pb82 + 10 D* --> 202Hg80 + 24Mg12 + 148.851 MeV [-23.253 MeV] (A_Pb:245)
206Pb82 + 10 D* --> 203Tl81 + 23Na11 + 142.863 MeV [-29.241 MeV] (A_Pb:246)
206Pb82 + 10 D* --> 204Pb82 + 22Ne10 + 140.706 MeV [-31.398 MeV] (A_Pb:247)
206Pb82 + 10 D* --> 206Pb82 + 20Ne10 + 138.399 MeV [-33.705 MeV] (A_Pb:248)

206Pb82 + 11 D* --> 180Ta73 + 48Ca20 + 213.858 MeV [23.024 MeV] (A_Pb:249)
206Pb82 + 11 D* --> 201Hg80 + 27Al13 + 165.567 MeV [-25.266 MeV] (A_Pb:250)
206Pb82 + 11 D* --> 203Tl81 + 25Mg12 + 159.662 MeV [-31.172 MeV] (A_Pb:251)

206Pb82 + 12 D* --> 130Te52 + 100Mo42 + 307.379 MeV [97.546 MeV] (A_Pb:252)
206Pb82 + 12 D* --> 134Xe54 + 96Zr40 + 307.411 MeV [97.577 MeV] (A_Pb:253)
206Pb82 + 12 D* --> 136Xe54 + 94Zr40 + 307.535 MeV [97.702 MeV] (A_Pb:254)
206Pb82 + 12 D* --> 148Nd60 + 82Se34 + 288.851 MeV [79.018 MeV] (A_Pb:255)
206Pb82 + 12 D* --> 150Nd60 + 80Se34 + 285.293 MeV [75.460 MeV] (A_Pb:256)
206Pb82 + 12 D* --> 154Sm62 + 76Ge32 + 279.518 MeV [69.685 MeV] (A_Pb:257)
206Pb82 + 12 D* --> 160Gd64 + 70Zn30 + 271.356 MeV [61.523 MeV] (A_Pb:258)
206Pb82 + 12 D* --> 176Yb70 + 54Cr24 + 244.270 MeV [34.437 MeV] (A_Pb:259)
206Pb82 + 12 D* --> 180Hf72 + 50Ti22 + 235.058 MeV [25.225 MeV] (A_Pb:260)
206Pb82 + 12 D* --> 182W74 + 48Ca20 + 226.305 MeV [16.472 MeV] (A_Pb:261)
206Pb82 + 12 D* --> 184W74 + 46Ca20 + 222.686 MeV [12.852 MeV] (A_Pb:262)
206Pb82 + 12 D* --> 186W74 + 44Ca20 + 217.821 MeV [7.988 MeV] (A_Pb:263)
206Pb82 + 12 D* --> 190Os76 + 40Ar18 + 207.589 MeV [-2.244 MeV] (A_Pb:264)
206Pb82 + 12 D* --> 192Os76 + 38Ar18 + 204.438 MeV [-5.395 MeV] (A_Pb:265)
206Pb82 + 12 D* --> 193Ir77 + 37Cl17 + 200.139 MeV [-9.695 MeV] (A_Pb:266)

206Pb82 + 12 D* --> 194Pt78 + 36S16 + 199.270 MeV [-10.563 MeV] (A_Pb:267)
206Pb82 + 12 D* --> 196Pt78 + 34S16 + 196.422 MeV [-13.411 MeV] (A_Pb:268)
206Pb82 + 12 D* --> 198Pt78 + 32S16 + 189.767 MeV [-20.067 MeV] (A_Pb:269)
206Pb82 + 12 D* --> 200Hg80 + 30Si14 + 187.780 MeV [-22.053 MeV] (A_Pb:270)
206Pb82 + 12 D* --> 201Hg80 + 29Si14 + 183.402 MeV [-26.432 MeV] (A_Pb:271)
206Pb82 + 12 D* --> 202Hg80 + 28Si14 + 182.682 MeV [-27.151 MeV] (A_Pb:272)
206Pb82 + 12 D* --> 203Tl81 + 27Al13 + 176.801 MeV [-33.032 MeV] (A_Pb:273)
206Pb82 + 12 D* --> 204Pb82 + 26Mg12 + 175.168 MeV [-34.666 MeV] (A_Pb:274)
206Pb82 + 12 D* --> 206Pb82 + 24Mg12 + 171.562 MeV [-38.271 MeV] (A_Pb:275)

207Pb82 + D* --> 198Pt78 + 11B5 + 11.924 MeV [-3.994 MeV] (A_Pb:276)
207Pb82 + D* --> 202Hg80 + 7Li3 + 3.122 MeV [-12.796 MeV] (A_Pb:277)
207Pb82 + D* --> 205Tl81 + 4He2 + 12.079 MeV [-3.838 MeV] (A_Pb:278)
207Pb82 + D* --> 208Pb82 + 1H1 + 5.143 MeV [-10.775 MeV] (A_Pb:279)
207Pb82 + D* --> 209Bi83 + 8.942 MeV [-6.976 MeV] (A_Pb:280)

207Pb82 + 2 D* --> 198Pt78 + 13C6 + 30.602 MeV [-1.520 MeV] (A_Pb:281)
207Pb82 + 2 D* --> 202Hg80 + 9Be4 + 19.818 MeV [-12.304 MeV] (A_Pb:282)
207Pb82 + 2 D* --> 205Tl81 + 6Li3 + 13.553 MeV [-18.568 MeV] (A_Pb:283)
207Pb82 + 2 D* --> 207Pb82 + 4He2 + 23.847 MeV [-8.275 MeV] (A_Pb:284)
207Pb82 + 2 D* --> 208Pb82 + 3He2 + 10.637 MeV [-21.485 MeV] (A_Pb:285)
207Pb82 + 2 D* --> 209Bi83 + 2H1 + 8.942 MeV [-23.180 MeV] (A_Pb:286)

207Pb82 + 3 D* --> 198Pt78 + 15N7 + 46.761 MeV [-1.849 MeV] (A_Pb:287)
207Pb82 + 3 D* --> 202Hg80 + 11B5 + 35.633 MeV [-12.977 MeV] (A_Pb:288)
207Pb82 + 3 D* --> 206Pb82 + 7Li3 + 25.833 MeV [-22.778 MeV] (A_Pb:289)
207Pb82 + 3 D* --> 207Pb82 + 6Li3 + 25.320 MeV [-23.290 MeV] (A_Pb:290)
207Pb82 + 3 D* --> 209Bi83 + 4He2 + 32.789 MeV [-15.821 MeV] (A_Pb:291)

207Pb82 + 4 D* --> 198Pt78 + 17O8 + 60.807 MeV [-4.574 MeV] (A_Pb:292)
207Pb82 + 4 D* --> 202Hg80 + 13C6 + 54.312 MeV [-11.069 MeV] (A_Pb:293)
207Pb82 + 4 D* --> 205Tl81 + 10B5 + 41.861 MeV [-23.520 MeV] (A_Pb:294)
207Pb82 + 4 D* --> 206Pb82 + 9Be4 + 42.529 MeV [-22.852 MeV] (A_Pb:295)
207Pb82 + 4 D* --> 209Bi83 + 6Li3 + 34.263 MeV [-31.118 MeV] (A_Pb:296)

207Pb82 + 5 D* --> 198Pt78 + 19F9 + 74.622 MeV [-7.811 MeV] (A_Pb:297)
207Pb82 + 5 D* --> 202Hg80 + 15N7 + 70.471 MeV [-11.962 MeV] (A_Pb:298)
207Pb82 + 5 D* --> 205Tl81 + 12C6 + 67.047 MeV [-15.386 MeV] (A_Pb:299)
207Pb82 + 5 D* --> 206Pb82 + 11B5 + 58.344 MeV [-24.089 MeV] (A_Pb:300)
207Pb82 + 5 D* --> 207Pb82 + 10B5 + 53.628 MeV [-28.805 MeV] (A_Pb:301)

207Pb82 + 6 D* --> 198Pt78 + 21Ne10 + 92.002 MeV [-7.762 MeV] (A_Pb:302)
207Pb82 + 6 D* --> 201Hg80 + 18O8 + 84.807 MeV [-14.957 MeV] (A_Pb:303)
207Pb82 + 6 D* --> 202Hg80 + 17O8 + 84.517 MeV [-15.247 MeV] (A_Pb:304)
207Pb82 + 6 D* --> 205Tl81 + 14N7 + 77.320 MeV [-22.445 MeV] (A_Pb:305)
207Pb82 + 6 D* --> 206Pb82 + 13C6 + 77.023 MeV [-22.741 MeV] (A_Pb:306)
207Pb82 + 6 D* --> 207Pb82 + 12C6 + 78.814 MeV [-20.950 MeV] (A_Pb:307)
207Pb82 + 6 D* --> 209Bi83 + 10B5 + 62.570 MeV [-37.194 MeV] (A_Pb:308)

207Pb82 + 7 D* --> 198Pt78 + 23Na11 + 108.936 MeV [-8.438 MeV] (A_Pb:309)
207Pb82 + 7 D* --> 202Hg80 + 19F9 + 98.331 MeV [-19.042 MeV] (A_Pb:310)
207Pb82 + 7 D* --> 203Tl81 + 18O8 + 96.041 MeV [-21.332 MeV] (A_Pb:311)
207Pb82 + 7 D* --> 205Tl81 + 16O8 + 98.056 MeV [-19.318 MeV] (A_Pb:312)
207Pb82 + 7 D* --> 206Pb82 + 15N7 + 93.182 MeV [-24.191 MeV] (A_Pb:313)

207Pb82 + 7 D* --> 207Pb82 + 14N7 + 89.087 MeV [-28.287 MeV] (A_Pb:314)
207Pb82 + 7 D* --> 209Bi83 + 12C6 + 87.757 MeV [-29.617 MeV] (A_Pb:315)

207Pb82 + 8 D* --> 198Pt78 + 25Mg12 + 125.734 MeV [-9.524 MeV] (A_Pb:316)
207Pb82 + 8 D* --> 201Hg80 + 22Ne10 + 118.322 MeV [-16.937 MeV] (A_Pb:317)
207Pb82 + 8 D* --> 202Hg80 + 21Ne10 + 115.712 MeV [-19.547 MeV] (A_Pb:318)
207Pb82 + 8 D* --> 206Pb82 + 17O8 + 107.228 MeV [-28.030 MeV] (A_Pb:319)
207Pb82 + 8 D* --> 207Pb82 + 16O8 + 109.823 MeV [-25.436 MeV] (A_Pb:320)
207Pb82 + 8 D* --> 209Bi83 + 14N7 + 98.029 MeV [-37.229 MeV] (A_Pb:321)

207Pb82 + 9 D* --> 198Pt78 + 27Al13 + 142.874 MeV [-10.544 MeV] (A_Pb:322)
207Pb82 + 9 D* --> 202Hg80 + 23Na11 + 132.645 MeV [-20.773 MeV] (A_Pb:323)
207Pb82 + 9 D* --> 203Tl81 + 22Ne10 + 129.556 MeV [-23.863 MeV] (A_Pb:324)
207Pb82 + 9 D* --> 205Tl81 + 20Ne10 + 126.632 MeV [-26.786 MeV] (A_Pb:325)
207Pb82 + 9 D* --> 206Pb82 + 19F9 + 121.042 MeV [-32.376 MeV] (A_Pb:326)
207Pb82 + 9 D* --> 209Bi83 + 16O8 + 118.765 MeV [-34.653 MeV] (A_Pb:327)

207Pb82 + 10 D* --> 179Hf72 + 48Ca20 + 203.591 MeV [31.740 MeV] (A_Pb:328)
207Pb82 + 10 D* --> 198Pt78 + 29Si14 + 160.708 MeV [-11.143 MeV] (A_Pb:329)
207Pb82 + 10 D* --> 201Hg80 + 26Mg12 + 152.783 MeV [-19.068 MeV] (A_Pb:330)
207Pb82 + 10 D* --> 202Hg80 + 25Mg12 + 149.444 MeV [-22.407 MeV] (A_Pb:331)
207Pb82 + 10 D* --> 206Pb82 + 21Ne10 + 138.423 MeV [-33.428 MeV] (A_Pb:332)
207Pb82 + 10 D* --> 207Pb82 + 20Ne10 + 138.399 MeV [-33.452 MeV] (A_Pb:333)

207Pb82 + 11 D* --> 181Ta73 + 48Ca20 + 214.697 MeV [24.141 MeV] (A_Pb:334)
207Pb82 + 11 D* --> 192Os76 + 37Cl17 + 189.683 MeV [-0.872 MeV] (A_Pb:335)
207Pb82 + 11 D* --> 193Ir77 + 36S16 + 187.239 MeV [-3.316 MeV] (A_Pb:336)
207Pb82 + 11 D* --> 198Pt78 + 31P15 + 176.390 MeV [-14.166 MeV] (A_Pb:337)
207Pb82 + 11 D* --> 202Hg80 + 27Al13 + 166.584 MeV [-23.972 MeV] (A_Pb:338)
207Pb82 + 11 D* --> 203Tl81 + 26Mg12 + 164.017 MeV [-26.539 MeV] (A_Pb:339)
207Pb82 + 11 D* --> 205Tl81 + 24Mg12 + 159.795 MeV [-30.760 MeV] (A_Pb:340)
207Pb82 + 11 D* --> 206Pb82 + 23Na11 + 155.356 MeV [-35.199 MeV] (A_Pb:341)
207Pb82 + 11 D* --> 209Bi83 + 20Ne10 + 147.341 MeV [-43.214 MeV] (A_Pb:342)

207Pb82 + 12 D* --> 183W74 + 48Ca20 + 225.758 MeV [16.228 MeV] (A_Pb:343)
207Pb82 + 12 D* --> 195Pt78 + 36S16 + 198.638 MeV [-10.892 MeV] (A_Pb:344)
207Pb82 + 12 D* --> 198Pt78 + 33S16 + 191.670 MeV [-17.859 MeV] (A_Pb:345)
207Pb82 + 12 D* --> 201Hg80 + 30Si14 + 187.273 MeV [-22.257 MeV] (A_Pb:346)
207Pb82 + 12 D* --> 202Hg80 + 29Si14 + 184.418 MeV [-25.112 MeV] (A_Pb:347)
207Pb82 + 12 D* --> 206Pb82 + 25Mg12 + 172.155 MeV [-37.375 MeV] (A_Pb:348)
207Pb82 + 12 D* --> 207Pb82 + 24Mg12 + 171.562 MeV [-37.968 MeV] (A_Pb:349)

208Pb82 + D* --> 204Hg80 + 6Li3 + 1.991 MeV [-13.902 MeV] (A_Pb:350)

208Pb82 + 2 D* --> 205Tl81 + 7Li3 + 13.435 MeV [-18.636 MeV] (A_Pb:351)
208Pb82 + 2 D* --> 208Pb82 + 4He2 + 23.847 MeV [-8.225 MeV] (A_Pb:352)

208Pb82 + 3 D* --> 204Hg80 + 10B5 + 30.298 MeV [-18.236 MeV] (A_Pb:353)
208Pb82 + 3 D* --> 205Tl81 + 9Be4 + 30.132 MeV [-18.403 MeV] (A_Pb:354)
208Pb82 + 3 D* --> 207Pb82 + 7Li3 + 25.202 MeV [-23.332 MeV] (A_Pb:355)
208Pb82 + 3 D* --> 208Pb82 + 6Li3 + 25.320 MeV [-23.214 MeV] (A_Pb:356)

208Pb82 + 4 D* --> 198Pt78 + 18O8 + 61.484 MeV [-3.796 MeV] (A_Pb:357)
208Pb82 + 4 D* --> 204Hg80 + 12C6 + 55.485 MeV [-9.795 MeV] (A_Pb:358)

208Pb82 + 4 D* --> 205Tl81 + 11B5 + 45.947 MeV [-19.333 MeV] (A_Pb:359)
208Pb82 + 4 D* --> 207Pb82 + 9Be4 + 41.899 MeV [-23.381 MeV] (A_Pb:360)
208Pb82 + 4 D* --> 209Bi83 + 7Li3 + 34.145 MeV [-31.135 MeV] (A_Pb:361)

208Pb82 + 5 D* --> 204Hg80 + 14N7 + 65.757 MeV [-16.550 MeV] (A_Pb:362)
208Pb82 + 5 D* --> 205Tl81 + 13C6 + 64.626 MeV [-17.681 MeV] (A_Pb:363)
208Pb82 + 5 D* --> 207Pb82 + 11B5 + 57.714 MeV [-24.593 MeV] (A_Pb:364)
208Pb82 + 5 D* --> 208Pb82 + 10B5 + 53.628 MeV [-28.679 MeV] (A_Pb:365)
208Pb82 + 5 D* --> 209Bi83 + 9Be4 + 50.841 MeV [-31.466 MeV] (A_Pb:366)

208Pb82 + 6 D* --> 198Pt78 + 22Ne10 + 94.998 MeV [-4.615 MeV] (A_Pb:367)
208Pb82 + 6 D* --> 202Hg80 + 18O8 + 85.193 MeV [-14.420 MeV] (A_Pb:368)
208Pb82 + 6 D* --> 204Hg80 + 16O8 + 86.493 MeV [-13.120 MeV] (A_Pb:369)
208Pb82 + 6 D* --> 205Tl81 + 15N7 + 80.785 MeV [-18.828 MeV] (A_Pb:370)
208Pb82 + 6 D* --> 207Pb82 + 13C6 + 76.393 MeV [-23.220 MeV] (A_Pb:371)
208Pb82 + 6 D* --> 208Pb82 + 12C6 + 78.814 MeV [-20.799 MeV] (A_Pb:372)
208Pb82 + 6 D* --> 209Bi83 + 11B5 + 66.656 MeV [-32.956 MeV] (A_Pb:373)

208Pb82 + 7 D* --> 205Tl81 + 17O8 + 94.831 MeV [-22.366 MeV] (A_Pb:374)
208Pb82 + 7 D* --> 207Pb82 + 15N7 + 92.552 MeV [-24.645 MeV] (A_Pb:375)
208Pb82 + 7 D* --> 208Pb82 + 14N7 + 89.087 MeV [-28.110 MeV] (A_Pb:376)
208Pb82 + 7 D* --> 209Bi83 + 13C6 + 85.335 MeV [-31.862 MeV] (A_Pb:377)

208Pb82 + 8 D* --> 176Yb70 + 48Ca20 + 181.046 MeV [45.989 MeV] (A_Pb:378)
208Pb82 + 8 D* --> 198Pt78 + 26Mg12 + 129.460 MeV [-5.597 MeV] (A_Pb:379)
208Pb82 + 8 D* --> 202Hg80 + 22Ne10 + 118.708 MeV [-16.349 MeV] (A_Pb:380)
208Pb82 + 8 D* --> 204Hg80 + 20Ne10 + 115.069 MeV [-19.987 MeV] (A_Pb:381)
208Pb82 + 8 D* --> 205Tl81 + 19F9 + 108.645 MeV [-26.412 MeV] (A_Pb:382)
208Pb82 + 8 D* --> 206Pb82 + 18O8 + 107.904 MeV [-27.153 MeV] (A_Pb:383)
208Pb82 + 8 D* --> 207Pb82 + 17O8 + 106.598 MeV [-28.459 MeV] (A_Pb:384)
208Pb82 + 8 D* --> 208Pb82 + 16O8 + 109.823 MeV [-25.234 MeV] (A_Pb:385)
208Pb82 + 8 D* --> 209Bi83 + 15N7 + 101.494 MeV [-33.562 MeV] (A_Pb:386)

208Pb82 + 9 D* --> 205Tl81 + 21Ne10 + 126.025 MeV [-27.166 MeV] (A_Pb:387)
208Pb82 + 9 D* --> 207Pb82 + 19F9 + 120.412 MeV [-32.779 MeV] (A_Pb:388)
208Pb82 + 9 D* --> 209Bi83 + 17O8 + 115.540 MeV [-37.651 MeV] (A_Pb:389)

208Pb82 + 10 D* --> 180Hf72 + 48Ca20 + 203.611 MeV [32.012 MeV] (A_Pb:390)
208Pb82 + 10 D* --> 192Os76 + 36S16 + 176.153 MeV [4.554 MeV] (A_Pb:391)
208Pb82 + 10 D* --> 198Pt78 + 30Si14 + 163.949 MeV [-7.650 MeV] (A_Pb:392)
208Pb82 + 10 D* --> 202Hg80 + 26Mg12 + 153.169 MeV [-18.430 MeV] (A_Pb:393)
208Pb82 + 10 D* --> 204Hg80 + 24Mg12 + 148.233 MeV [-23.367 MeV] (A_Pb:394)
208Pb82 + 10 D* --> 205Tl81 + 23Na11 + 142.959 MeV [-28.640 MeV] (A_Pb:395)
208Pb82 + 10 D* --> 206Pb82 + 22Ne10 + 141.419 MeV [-30.180 MeV] (A_Pb:396)
208Pb82 + 10 D* --> 207Pb82 + 21Ne10 + 137.792 MeV [-33.807 MeV] (A_Pb:397)
208Pb82 + 10 D* --> 208Pb82 + 20Ne10 + 138.399 MeV [-33.200 MeV] (A_Pb:398)
208Pb82 + 10 D* --> 209Bi83 + 19F9 + 129.355 MeV [-42.245 MeV] (A_Pb:399)

208Pb82 + 11 D* --> 205Tl81 + 25Mg12 + 159.758 MeV [-30.521 MeV] (A_Pb:400)
208Pb82 + 11 D* --> 207Pb82 + 23Na11 + 154.726 MeV [-35.553 MeV] (A_Pb:401)
208Pb82 + 11 D* --> 209Bi83 + 21Ne10 + 146.735 MeV [-43.544 MeV] (A_Pb:402)

208Pb82 + 12 D* --> 136Xe54 + 96Zr40 + 307.748 MeV [98.520 MeV] (A_Pb:403)
208Pb82 + 12 D* --> 150Nd60 + 82Se34 + 287.164 MeV [77.935 MeV] (A_Pb:404)

208Pb82 + 12 D* --> 184W74 + 48Ca20 + 225.802 MeV [16.573 MeV] (A_Pb:405)
208Pb82 + 12 D* --> 186W74 + 46Ca20 + 221.525 MeV [12.296 MeV] (A_Pb:406)
208Pb82 + 12 D* --> 192Os76 + 40Ar18 + 206.801 MeV [-2.428 MeV] (A_Pb:407)
208Pb82 + 12 D* --> 196Pt78 + 36S16 + 199.192 MeV [-10.037 MeV] (A_Pb:408)
208Pb82 + 12 D* --> 198Pt78 + 34S16 + 195.720 MeV [-13.509 MeV] (A_Pb:409)
208Pb82 + 12 D* --> 202Hg80 + 30Si14 + 187.659 MeV [-21.569 MeV] (A_Pb:410)
208Pb82 + 12 D* --> 204Hg80 + 28Si14 + 182.063 MeV [-27.165 MeV] (A_Pb:411)
208Pb82 + 12 D* --> 205Tl81 + 27Al13 + 176.897 MeV [-32.331 MeV] (A_Pb:412)
208Pb82 + 12 D* --> 206Pb82 + 26Mg12 + 175.880 MeV [-33.348 MeV] (A_Pb:413)
208Pb82 + 12 D* --> 207Pb82 + 25Mg12 + 171.525 MeV [-37.703 MeV] (A_Pb:414)
208Pb82 + 12 D* --> 208Pb82 + 24Mg12 + 171.562 MeV [-37.666 MeV] (A_Pb:415)
208Pb82 + 12 D* --> 209Bi83 + 23Na11 + 163.669 MeV [-45.560 MeV] (A_Pb:416)

---------- Equations follow for Bismuth, Bi, element 83 ----------

209Bi83 + D* --> 198Pt78 + 13C6 + 21.660 MeV [5.599 MeV] (A_Bi:1)
209Bi83 + D* --> 202Hg80 + 9Be4 + 10.875 MeV [-5.185 MeV] (A_Bi:2)
209Bi83 + D* --> 205Tl81 + 6Li3 + 4.611 MeV [-11.450 MeV] (A_Bi:3)
209Bi83 + D* --> 207Pb82 + 4He2 + 14.904 MeV [-1.157 MeV] (A_Bi:4)
209Bi83 + D* --> 208Pb82 + 3He2 + 1.695 MeV [-14.366 MeV] (A_Bi:5)

209Bi83 + 2 D* --> 198Pt78 + 15N7 + 37.819 MeV [5.412 MeV] (A_Bi:6)
209Bi83 + 2 D* --> 202Hg80 + 11B5 + 26.691 MeV [-5.716 MeV] (A_Bi:7)
209Bi83 + 2 D* --> 206Pb82 + 7Li3 + 16.890 MeV [-15.516 MeV] (A_Bi:8)
209Bi83 + 2 D* --> 207Pb82 + 6Li3 + 16.378 MeV [-16.029 MeV] (A_Bi:9)
209Bi83 + 2 D* --> 209Bi83 + 4He2 + 23.847 MeV [-8.560 MeV] (A_Bi:10)

209Bi83 + 3 D* --> 198Pt78 + 17O8 + 51.865 MeV [2.829 MeV] (A_Bi:11)
209Bi83 + 3 D* --> 202Hg80 + 13C6 + 45.370 MeV [-3.666 MeV] (A_Bi:12)
209Bi83 + 3 D* --> 205Tl81 + 10B5 + 32.919 MeV [-16.117 MeV] (A_Bi:13)
209Bi83 + 3 D* --> 206Pb82 + 9Be4 + 33.586 MeV [-15.449 MeV] (A_Bi:14)
209Bi83 + 3 D* --> 209Bi83 + 6Li3 + 25.320 MeV [-23.715 MeV] (A_Bi:15)

209Bi83 + 4 D* --> 198Pt78 + 19F9 + 65.679 MeV [-0.267 MeV] (A_Bi:16)
209Bi83 + 4 D* --> 202Hg80 + 15N7 + 61.529 MeV [-4.418 MeV] (A_Bi:17)
209Bi83 + 4 D* --> 205Tl81 + 12C6 + 58.105 MeV [-7.841 MeV] (A_Bi:18)
209Bi83 + 4 D* --> 206Pb82 + 11B5 + 49.402 MeV [-16.544 MeV] (A_Bi:19)
209Bi83 + 4 D* --> 207Pb82 + 10B5 + 44.686 MeV [-21.261 MeV] (A_Bi:20)

209Bi83 + 5 D* --> 198Pt78 + 21Ne10 + 83.060 MeV [-0.077 MeV] (A_Bi:21)
209Bi83 + 5 D* --> 201Hg80 + 18O8 + 75.865 MeV [-7.272 MeV] (A_Bi:22)
209Bi83 + 5 D* --> 202Hg80 + 17O8 + 75.575 MeV [-7.562 MeV] (A_Bi:23)
209Bi83 + 5 D* --> 205Tl81 + 14N7 + 68.377 MeV [-14.760 MeV] (A_Bi:24)
209Bi83 + 5 D* --> 206Pb82 + 13C6 + 68.081 MeV [-15.056 MeV] (A_Bi:25)
209Bi83 + 5 D* --> 207Pb82 + 12C6 + 69.872 MeV [-13.265 MeV] (A_Bi:26)
209Bi83 + 5 D* --> 209Bi83 + 10B5 + 53.628 MeV [-29.509 MeV] (A_Bi:27)

209Bi83 + 6 D* --> 198Pt78 + 23Na11 + 99.993 MeV [-0.612 MeV] (A_Bi:28)
209Bi83 + 6 D* --> 202Hg80 + 19F9 + 89.389 MeV [-11.217 MeV] (A_Bi:29)
209Bi83 + 6 D* --> 203Tl81 + 18O8 + 87.099 MeV [-13.507 MeV] (A_Bi:30)
209Bi83 + 6 D* --> 205Tl81 + 16O8 + 89.113 MeV [-11.492 MeV] (A_Bi:31)
209Bi83 + 6 D* --> 206Pb82 + 15N7 + 84.240 MeV [-16.366 MeV] (A_Bi:32)
209Bi83 + 6 D* --> 207Pb82 + 14N7 + 80.144 MeV [-20.461 MeV] (A_Bi:33)
209Bi83 + 6 D* --> 209Bi83 + 12C6 + 78.814 MeV [-21.791 MeV] (A_Bi:34)

209Bi83 + 7 D* --> 198Pt78 + 25Mg12 + 116.792 MeV [-1.559 MeV] (A_Bi:35)
209Bi83 + 7 D* --> 201Hg80 + 22Ne10 + 109.380 MeV [-8.972 MeV] (A_Bi:36)
209Bi83 + 7 D* --> 202Hg80 + 21Ne10 + 106.769 MeV [-11.582 MeV] (A_Bi:37)
209Bi83 + 7 D* --> 206Pb82 + 17O8 + 98.286 MeV [-20.065 MeV] (A_Bi:38)
209Bi83 + 7 D* --> 207Pb82 + 16O8 + 100.880 MeV [-17.471 MeV] (A_Bi:39)
209Bi83 + 7 D* --> 209Bi83 + 14N7 + 89.087 MeV [-29.264 MeV] (A_Bi:40)

209Bi83 + 8 D* --> 198Pt78 + 27Al13 + 133.932 MeV [-2.440 MeV] (A_Bi:41)
209Bi83 + 8 D* --> 202Hg80 + 23Na11 + 123.703 MeV [-12.669 MeV] (A_Bi:42)
209Bi83 + 8 D* --> 203Tl81 + 22Ne10 + 120.613 MeV [-15.758 MeV] (A_Bi:43)
209Bi83 + 8 D* --> 205Tl81 + 20Ne10 + 117.690 MeV [-18.682 MeV] (A_Bi:44)
209Bi83 + 8 D* --> 206Pb82 + 19F9 + 112.100 MeV [-24.272 MeV] (A_Bi:45)
209Bi83 + 8 D* --> 209Bi83 + 16O8 + 109.823 MeV [-26.549 MeV] (A_Bi:46)

209Bi83 + 9 D* --> 179Hf72 + 48Ca20 + 194.649 MeV [39.983 MeV] (A_Bi:47)
209Bi83 + 9 D* --> 198Pt78 + 29Si14 + 151.766 MeV [-2.900 MeV] (A_Bi:48)
209Bi83 + 9 D* --> 201Hg80 + 26Mg12 + 143.841 MeV [-10.825 MeV] (A_Bi:49)
209Bi83 + 9 D* --> 202Hg80 + 25Mg12 + 140.502 MeV [-14.164 MeV] (A_Bi:50)
209Bi83 + 9 D* --> 206Pb82 + 21Ne10 + 129.480 MeV [-25.186 MeV] (A_Bi:51)
209Bi83 + 9 D* --> 207Pb82 + 20Ne10 + 129.457 MeV [-25.209 MeV] (A_Bi:52)

209Bi83 + 10 D* --> 181Ta73 + 48Ca20 + 205.755 MeV [32.522 MeV] (A_Bi:53)
209Bi83 + 10 D* --> 192Os76 + 37Cl17 + 180.741 MeV [7.509 MeV] (A_Bi:54)
209Bi83 + 10 D* --> 193Ir77 + 36S16 + 178.297 MeV [5.064 MeV] (A_Bi:55)
209Bi83 + 10 D* --> 198Pt78 + 31P15 + 167.447 MeV [-5.785 MeV] (A_Bi:56)
209Bi83 + 10 D* --> 202Hg80 + 27Al13 + 157.641 MeV [-15.591 MeV] (A_Bi:57)
209Bi83 + 10 D* --> 203Tl81 + 26Mg12 + 155.075 MeV [-18.158 MeV] (A_Bi:58)
209Bi83 + 10 D* --> 205Tl81 + 24Mg12 + 150.853 MeV [-22.379 MeV] (A_Bi:59)
209Bi83 + 10 D* --> 206Pb82 + 23Na11 + 146.414 MeV [-26.818 MeV] (A_Bi:60)
209Bi83 + 10 D* --> 209Bi83 + 20Ne10 + 138.399 MeV [-34.833 MeV] (A_Bi:61)

209Bi83 + 11 D* --> 183W74 + 48Ca20 + 216.816 MeV [24.747 MeV] (A_Bi:62)
209Bi83 + 11 D* --> 195Pt78 + 36S16 + 189.695 MeV [-2.374 MeV] (A_Bi:63)
209Bi83 + 11 D* --> 198Pt78 + 33S16 + 182.728 MeV [-9.341 MeV] (A_Bi:64)
209Bi83 + 11 D* --> 201Hg80 + 30Si14 + 178.331 MeV [-13.738 MeV] (A_Bi:65)
209Bi83 + 11 D* --> 202Hg80 + 29Si14 + 175.475 MeV [-16.594 MeV] (A_Bi:66)
209Bi83 + 11 D* --> 206Pb82 + 25Mg12 + 163.213 MeV [-28.856 MeV] (A_Bi:67)
209Bi83 + 11 D* --> 207Pb82 + 24Mg12 + 162.620 MeV [-29.449 MeV] (A_Bi:68)

209Bi83 + 12 D* --> 185Re75 + 48Ca20 + 227.406 MeV [16.231 MeV] (A_Bi:69)
209Bi83 + 12 D* --> 187Re75 + 46Ca20 + 223.721 MeV [12.546 MeV] (A_Bi:70)
209Bi83 + 12 D* --> 192Os76 + 41K19 + 210.810 MeV [-0.365 MeV] (A_Bi:71)
209Bi83 + 12 D* --> 193Ir77 + 40Ar18 + 208.944 MeV [-2.231 MeV] (A_Bi:72)
209Bi83 + 12 D* --> 196Pt78 + 37Cl17 + 203.779 MeV [-7.396 MeV] (A_Bi:73)
209Bi83 + 12 D* --> 198Pt78 + 35Cl17 + 198.291 MeV [-12.884 MeV] (A_Bi:74)
209Bi83 + 12 D* --> 197Au79 + 36S16 + 201.175 MeV [-10.000 MeV] (A_Bi:75)
209Bi83 + 12 D* --> 202Hg80 + 31P15 + 191.157 MeV [-20.018 MeV] (A_Bi:76)
209Bi83 + 12 D* --> 203Tl81 + 30Si14 + 189.564 MeV [-21.611 MeV] (A_Bi:77)
209Bi83 + 12 D* --> 205Tl81 + 28Si14 + 184.684 MeV [-26.492 MeV] (A_Bi:78)
209Bi83 + 12 D* --> 206Pb82 + 27Al13 + 180.352 MeV [-30.823 MeV] (A_Bi:79)
209Bi83 + 12 D* --> 209Bi83 + 24Mg12 + 171.562 MeV [-39.613 MeV] (A_Bi:80)

---------- Equations follow for Thorium, Th, element 90 ----------

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232Th90 + 2 D* --> 232Th90 + 4He2 + 23.847 MeV [-10.081 MeV] (A_Th:1)

232Th90 + 3 D* --> 232Th90 + 6Li3 + 25.320 MeV [-25.986 MeV] (A_Th:2)

232Th90 + 5 D* --> 232Th90 + 10B5 + 53.628 MeV [-33.257 MeV] (A_Th:3)
232Th90 + 5 D* --> 235U92 + 7Li3 + 45.298 MeV [-41.587 MeV] (A_Th:4)

232Th90 + 6 D* --> 232Th90 + 12C6 + 78.814 MeV [-26.268 MeV] (A_Th:5)
232Th90 + 6 D* --> 235U92 + 9Be4 + 61.995 MeV [-43.088 MeV] (A_Th:6)

232Th90 + 7 D* --> 232Th90 + 14N7 + 89.087 MeV [-34.464 MeV] (A_Th:7)
232Th90 + 7 D* --> 235U92 + 11B5 + 77.810 MeV [-45.740 MeV] (A_Th:8)

232Th90 + 8 D* --> 232Th90 + 16O8 + 109.823 MeV [-32.464 MeV] (A_Th:9)
232Th90 + 8 D* --> 235U92 + 13C6 + 96.489 MeV [-45.798 MeV] (A_Th:10)

232Th90 + 9 D* --> 235U92 + 15N7 + 112.648 MeV [-48.642 MeV] (A_Th:11)

232Th90 + 10 D* --> 204Hg80 + 48Ca20 + 235.710 MeV [55.150 MeV] (A_Th:12)
232Th90 + 10 D* --> 232Th90 + 20Ne10 + 138.399 MeV [-42.161 MeV] (A_Th:13)
232Th90 + 10 D* --> 234U92 + 18O8 + 129.440 MeV [-51.119 MeV] (A_Th:14)
232Th90 + 10 D* --> 235U92 + 17O8 + 126.694 MeV [-53.866 MeV] (A_Th:15)

232Th90 + 11 D* --> 235U92 + 19F9 + 140.508 MeV [-59.586 MeV] (A_Th:16)

232Th90 + 12 D* --> 208Pb82 + 48Ca20 + 259.040 MeV [39.148 MeV] (A_Th:17)
232Th90 + 12 D* --> 232Th90 + 24Mg12 + 171.562 MeV [-48.329 MeV] (A_Th:18)
232Th90 + 12 D* --> 234U92 + 22Ne10 + 162.955 MeV [-56.936 MeV] (A_Th:19)
232Th90 + 12 D* --> 235U92 + 21Ne10 + 157.888 MeV [-62.003 MeV] (A_Th:20)

---------- Equations follow for Protactinium, Pa, element 91 ----------

231Pa91 + 2 D* --> 231Pa91 + 4He2 + 23.847 MeV [-10.502 MeV] (A_Pa:1)
231Pa91 + 2 D* --> 234U92 + 1H1 + 14.262 MeV [-20.087 MeV] (A_Pa:2)

231Pa91 + 3 D* --> 231Pa91 + 6Li3 + 25.320 MeV [-26.616 MeV] (A_Pa:3)
231Pa91 + 3 D* --> 234U92 + 3He2 + 19.755 MeV [-32.182 MeV] (A_Pa:4)

231Pa91 + 5 D* --> 231Pa91 + 10B5 + 53.628 MeV [-34.303 MeV] (A_Pa:5)

231Pa91 + 6 D* --> 231Pa91 + 12C6 + 78.814 MeV [-27.520 MeV] (A_Pa:6)

231Pa91 + 7 D* --> 231Pa91 + 14N7 + 89.087 MeV [-35.920 MeV] (A_Pa:7)

231Pa91 + 8 D* --> 231Pa91 + 16O8 + 109.823 MeV [-34.124 MeV] (A_Pa:8)

231Pa91 + 9 D* --> 201Hg80 + 48Ca20 + 223.525 MeV [60.371 MeV] (A_Pa:9)

231Pa91 + 10 D* --> 203Tl81 + 48Ca20 + 234.758 MeV [52.133 MeV] (A_Pa:10)

231Pa91 + 10 D* --> 205Tl81 + 46Ca20 + 231.739 MeV [49.113 MeV] (A_Pa:11)
231Pa91 + 10 D* --> 231Pa91 + 20Ne10 + 138.399 MeV [-44.226 MeV] (A_Pa:12)

231Pa91 + 11 D* --> 204Hg80 + 49Ti22 + 251.168 MeV [48.807 MeV] (A_Pa:13)
231Pa91 + 11 D* --> 207Pb82 + 46Ca20 + 243.506 MeV [41.145 MeV] (A_Pa:14)

231Pa91 + 12 D* --> 204Hg80 + 51V23 + 267.946 MeV [45.587 MeV] (A_Pa:15)
231Pa91 + 12 D* --> 205Tl81 + 50Ti22 + 266.302 MeV [43.943 MeV] (A_Pa:16)
231Pa91 + 12 D* --> 209Bi83 + 46Ca20 + 252.448 MeV [30.089 MeV] (A_Pa:17)
231Pa91 + 12 D* --> 231Pa91 + 24Mg12 + 171.562 MeV [-50.796 MeV] (A_Pa:18)

---------- Equations follow for Uranium, U, element 92 ----------

234U92 + D* --> 235U92 + 1H1 + 3.073 MeV [-14.077 MeV] (A_U:1)

234U92 + 2 D* --> 231Pa91 + 7Li3 + 16.084 MeV [-18.492 MeV] (A_U:2)
234U92 + 2 D* --> 234U92 + 4He2 + 23.847 MeV [-10.729 MeV] (A_U:3)
234U92 + 2 D* --> 235U92 + 3He2 + 8.566 MeV [-26.009 MeV] (A_U:4)

234U92 + 3 D* --> 231Pa91 + 9Be4 + 32.780 MeV [-19.495 MeV] (A_U:5)
234U92 + 3 D* --> 234U92 + 6Li3 + 25.320 MeV [-26.955 MeV] (A_U:6)

234U92 + 4 D* --> 231Pa91 + 11B5 + 48.596 MeV [-21.652 MeV] (A_U:7)

234U92 + 5 D* --> 231Pa91 + 13C6 + 67.275 MeV [-21.216 MeV] (A_U:8)
234U92 + 5 D* --> 234U92 + 10B5 + 53.628 MeV [-34.863 MeV] (A_U:9)

234U92 + 6 D* --> 198Pt78 + 48Ca20 + 191.083 MeV [84.079 MeV] (A_U:10)
234U92 + 6 D* --> 231Pa91 + 15N7 + 83.434 MeV [-23.569 MeV] (A_U:11)
234U92 + 6 D* --> 234U92 + 12C6 + 78.814 MeV [-28.189 MeV] (A_U:12)

234U92 + 7 D* --> 231Pa91 + 17O8 + 97.480 MeV [-28.304 MeV] (A_U:13)
234U92 + 7 D* --> 234U92 + 14N7 + 89.087 MeV [-36.698 MeV] (A_U:14)

234U92 + 8 D* --> 202Hg80 + 48Ca20 + 214.792 MeV [69.960 MeV] (A_U:15)
234U92 + 8 D* --> 204Hg80 + 46Ca20 + 211.058 MeV [66.226 MeV] (A_U:16)
234U92 + 8 D* --> 231Pa91 + 19F9 + 111.294 MeV [-33.538 MeV] (A_U:17)
234U92 + 8 D* --> 234U92 + 16O8 + 109.823 MeV [-35.009 MeV] (A_U:18)

234U92 + 9 D* --> 231Pa91 + 21Ne10 + 128.674 MeV [-35.471 MeV] (A_U:19)

234U92 + 10 D* --> 130Te52 + 124Sn50 + 345.092 MeV [161.369 MeV] (A_U:20)
234U92 + 10 D* --> 204Hg80 + 50Ti22 + 245.621 MeV [61.898 MeV] (A_U:21)
234U92 + 10 D* --> 206Pb82 + 48Ca20 + 237.503 MeV [53.781 MeV] (A_U:22)
234U92 + 10 D* --> 208Pb82 + 46Ca20 + 234.387 MeV [50.665 MeV] (A_U:23)
234U92 + 10 D* --> 231Pa91 + 23Na11 + 145.608 MeV [-38.115 MeV] (A_U:24)
234U92 + 10 D* --> 234U92 + 20Ne10 + 138.399 MeV [-45.323 MeV] (A_U:25)

234U92 + 11 D* --> 231Pa91 + 25Mg12 + 162.407 MeV [-41.156 MeV] (A_U:26)

234U92 + 12 D* --> 130Te52 + 128Te52 + 372.119 MeV [148.454 MeV] (A_U:27)
234U92 + 12 D* --> 134Xe54 + 124Sn50 + 372.137 MeV [148.472 MeV] (A_U:28)
234U92 + 12 D* --> 136Xe54 + 122Sn50 + 372.146 MeV [148.482 MeV] (A_U:29)
234U92 + 12 D* --> 176Yb70 + 82Se34 + 326.863 MeV [103.199 MeV] (A_U:30)

234U92 + 12 D* --> 204Hg80 + 54Cr24 + 277.398 MeV [53.733 MeV] (A_U:31)
234U92 + 12 D* --> 208Pb82 + 50Ti22 + 268.950 MeV [45.286 MeV] (A_U:32)
234U92 + 12 D* --> 231Pa91 + 27Al13 + 179.546 MeV [-44.119 MeV] (A_U:33)
234U92 + 12 D* --> 234U92 + 24Mg12 + 171.562 MeV [-52.103 MeV] (A_U:34)

235U92 + 2 D* --> 235U92 + 4He2 + 23.847 MeV [-10.681 MeV] (A_U:35)

235U92 + 3 D* --> 234U92 + 7Li3 + 27.273 MeV [-24.930 MeV] (A_U:36)
235U92 + 3 D* --> 235U92 + 6Li3 + 25.320 MeV [-26.883 MeV] (A_U:37)

235U92 + 4 D* --> 234U92 + 9Be4 + 43.969 MeV [-26.182 MeV] (A_U:38)

235U92 + 5 D* --> 234U92 + 11B5 + 59.785 MeV [-28.586 MeV] (A_U:39)
235U92 + 5 D* --> 235U92 + 10B5 + 53.628 MeV [-34.742 MeV] (A_U:40)

235U92 + 6 D* --> 234U92 + 13C6 + 78.463 MeV [-28.396 MeV] (A_U:41)
235U92 + 6 D* --> 235U92 + 12C6 + 78.814 MeV [-28.044 MeV] (A_U:42)

235U92 + 7 D* --> 231Pa91 + 18O8 + 100.226 MeV [-25.389 MeV] (A_U:43)
235U92 + 7 D* --> 234U92 + 15N7 + 94.622 MeV [-30.993 MeV] (A_U:44)
235U92 + 7 D* --> 235U92 + 14N7 + 89.087 MeV [-36.529 MeV] (A_U:45)

235U92 + 8 D* --> 234U92 + 17O8 + 108.668 MeV [-35.971 MeV] (A_U:46)
235U92 + 8 D* --> 235U92 + 16O8 + 109.823 MeV [-34.817 MeV] (A_U:47)

235U92 + 9 D* --> 205Tl81 + 48Ca20 + 227.177 MeV [63.248 MeV] (A_U:48)
235U92 + 9 D* --> 231Pa91 + 22Ne10 + 133.741 MeV [-30.188 MeV] (A_U:49)
235U92 + 9 D* --> 234U92 + 19F9 + 122.483 MeV [-41.446 MeV] (A_U:50)

235U92 + 10 D* --> 207Pb82 + 48Ca20 + 238.944 MeV [55.462 MeV] (A_U:51)
235U92 + 10 D* --> 234U92 + 21Ne10 + 139.863 MeV [-43.619 MeV] (A_U:52)
235U92 + 10 D* --> 235U92 + 20Ne10 + 138.399 MeV [-45.083 MeV] (A_U:53)

235U92 + 11 D* --> 209Bi83 + 48Ca20 + 247.886 MeV [44.587 MeV] (A_U:54)
235U92 + 11 D* --> 231Pa91 + 26Mg12 + 168.202 MeV [-35.096 MeV] (A_U:55)
235U92 + 11 D* --> 234U92 + 23Na11 + 156.797 MeV [-46.502 MeV] (A_U:56)

235U92 + 12 D* --> 234U92 + 25Mg12 + 173.595 MeV [-49.781 MeV] (A_U:57)
235U92 + 12 D* --> 235U92 + 24Mg12 + 171.562 MeV [-51.814 MeV] (A_U:58)

238U92 + 2 D* --> 238U92 + 4He2 + 23.847 MeV [-10.538 MeV] (A_U:59)

238U92 + 3 D* --> 238U92 + 6Li3 + 25.320 MeV [-26.668 MeV] (A_U:60)

238U92 + 5 D* --> 238U92 + 10B5 + 53.628 MeV [-34.384 MeV] (A_U:61)

238U92 + 6 D* --> 232Th90 + 18O8 + 91.456 MeV [-14.973 MeV] (A_U:62)
238U92 + 6 D* --> 238U92 + 12C6 + 78.814 MeV [-27.615 MeV] (A_U:63)

238U92 + 7 D* --> 238U92 + 14N7 + 89.087 MeV [-36.028 MeV] (A_U:64)

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238U92 + 8 D* --> 232Th90 + 22Ne10 + 124.971 MeV [-19.097 MeV] (A_U:65)
238U92 + 8 D* --> 238U92 + 16O8 + 109.823 MeV [-34.245 MeV] (A_U:66)

238U92 + 10 D* --> 232Th90 + 26Mg12 + 159.432 MeV [-23.336 MeV] (A_U:67)
238U92 + 10 D* --> 238U92 + 20Ne10 + 138.399 MeV [-44.369 MeV] (A_U:68)

238U92 + 12 D* --> 232Th90 + 30Si14 + 193.922 MeV [-28.599 MeV] (A_U:69)
238U92 + 12 D* --> 238U92 + 24Mg12 + 171.562 MeV [-50.959 MeV] (A_U:70)

Total number of reaction equations: 48031
Maximum number of D fused with X: 12
Adjustment factor to compound nucleus radius: 1
Energy threshold for including reaction, in eV: 10
Note - D* denotes a deflated state hydrogen nucleus, including the electron
Note - the energy in brackets is initial compound nucleus net energy,
i.e. the fusion energy less the deflated electron energy deficit