Table 2. Principal Gamma-Rays from Isotopes with Half-lives > 1.0 h

An energy-ordered list of principal γ rays from nuclei whose parent or grandparent half-life exceeds 1.0 h is given in Table 2. The table includes only the most intense γ rays (up to a maximum of four) from each parent. Intensities are absolute (γ 's per 100 parent decays) unless preceded by a †. E_γ for the strongest associated lines from each decay are listed in order of decreasing intensity.

Energy	Intensity	Parent - Associated γ-rays
1.113		^{110}Ag(249.79 d) - 116.48
1.642 *2*	0.0081	^{193}Pt(4.33 d) - 12.634, 135.50
2.1726 *4*		^{99}Tc(6.01 h) - 140.511, 142.628
6.238 *20*	1.03 *3*	^{181}W(121.2 d) - 136.266, 152.315
6.29 *8*		^{121}Sn(55 y)
6.96 *6*		^{85}Sr(67.63 m) - 151.159, 129.820, 731.812
7.133 *10*	4.95 *15*	^{160}Er(28.58 h) - 59.98
8.4 *2*		^{129}Ba(2.16 h) - 182.32, 1459.1, 202.38
8.41031 *19*	0.158 *18*	^{169}Er(9.40 d) - 109.77987, 118.19018
9.3 *1*		^{227}Ac(21.773 y) - 100, 69.21, 160.26
9.396 *7*	4.90 *15*	^{83}Kr(1.83 h) - 32.1473
~10		^{162}Ho(67.0 m) - 185.005, 1220.0, 282.864
10.6 *5*	0.8	^{137}Ce(9.0 h) - 447.15, 436.59, 433.22
11.242 *7*	1.08 *6*	^{134}Cs(2.903 h) - 127.5021, 138.733
12.327 *6*	1.53 *9*	^{133}Ba(38.9 h) - 632.56
12.4	3.0×10^{-6}	^{45}Ca(162.61 d)
12.598 *15*	0.29 *3*	^{152}Eu(96 m) - 89.8492, 18.265, 77.2583
12.634 *8*	0.658	^{193}Pt(4.33 d) - 135.50, 1.642
12.75 *5*	0.30 *6*	^{228}Ra(5.75 y) - 13.52, 16.2, 15.5
13.271 *18*	0.089 *calc*	^{73}As(80.30 d) - 53.440
13.52 *2*	1.6	^{228}Ra(5.75 y) - 16.2, 12.75, 15.5
14.41300 *15*	9.16 *15*	^{57}Co(271.79 d) - 122.0614, 136.4743, 692.03
15.2 *1*		^{227}Ac(21.773 y) - 100, 69.21, 160.26
15.5 *2*	0.16 *3*	^{228}Ra(5.75 y) - 13.52, 16.2, 12.75
16.2 *1*	0.72 *8*	^{228}Ra(5.75 y) - 13.52, 12.75, 15.5
16.21 *3*	0.159 *20*	^{195}Hg(41.6 h) - 261.75, 560.27, 387.87
16.4 *3*	8.3 *17*	^{72}Zn(46.5 h) - 145.04, 191.96, 103.14
18.265 *7*	1.26 *21*	^{152}Eu(96 m) - 89.8492, 77.2583, 12.598
18.5 *5*	27.2 *6*	^{112}Pd(21.03 h)
19.394 *2*	13.7 *7*	^{171}Lu(8.24 d) - 739.78, 667.404, 75.878
21.542 *3*	0.031	^{151}Sm(90 y)
21.542 *3*	2.85 *12*	^{151}Gd(124 d) - 153.60, 243.282, 174.70
~22		^{132}I(1.387 h) - 98.0
22.510 *8*	>0.050	^{149}Pm(53.08 h) - 285.95, 859.46, 590.88
22.510 *8*	2.32 *6*	^{149}Eu(93.1 d) - 327.526, 277.089, 254.566
23.001 *17*	0.15 *3*	^{255}Fm(20.07 h) - 81.477, 58.477, 80.92
23.1 *1*	0.037 *6*	^{198}Tl(1.87 h) - 636.4, 411.80205, 587.2
23.28 *1*	6.4 *6*	^{126}Sn(1×10^5 y) - 87.57, 64.28, 86.94
23.870 *8*	16.1 *5*	^{119}Sn(293.1 d) - 25.271, 65.66
23.870 *8*	16.1 *5*	^{119}Sb(38.19 h)
23.9331 *2*	20.3 *11*	^{172}Hf(1.87 y) - 125.812, 67.35, 81.7513
24.46 *1*	3.90 *15*	^{101}Pd(8.47 h) - 296.29, 590.44, 269.67
24.5 *2*		^{227}Ac(21.773 y) - 100, 69.21, 160.26
24.889 *21*	0.0389 *12*	^{58}Co(9.04 h)
25.271 *1*	14.3 *3*	^{119}Sn(293.1 d) - 23.870, 65.66
25.646 *4*	14.5 *3*	^{231}Th(25.52 h) - 84.216, 89.944, 81.227
25.646 *4*	12	^{231}U(4.2 d) - 84.216, 217.940, 58.570
25.646 *4*	0.00041 *5*	^{235}Np(396.1 d) - 84.216, 81.227, 58.570
25.65150 *7*	23.2 *10*	^{161}Tb(6.88 d) - 48.91562, 74.56711, 57.196
25.65150 *7*	27 *3*	^{161}Ho(2.48 h) - 103.062, 77.414, 59.235
26.3 *1*	0.00010	^{190}Ir(1.2 h)
26.3448 *2*	2.43 *6*	^{237}U(6.75 d) - 59.5412, 208.00, 164.61
26.3448 *2*	0.221 *7*	^{237}Pu(45.2 d) - 59.5412, 33.1964, 43.423
26.3448 *2*	2.40 *2*	^{241}Am(432.2 y) - 59.5412, 33.1964, 43.423
27.36 *1*	10.3 *4*	^{231}Pa(32760 y) - 300.07, 302.65, 283.69
27.58 *2*	3.5 *4*	^{246}Pu(10.84 d) - 43.81, 223.75, 179.94
27.81 *5*	16.3 *16*	^{129}Te(69.6 m) - 459.60, 487.39, 278.43
28.242 *9*	1.13 *8*	^{166}Dy(81.6 h) - 82.471, 54.2400, 426.00
29.10 *10*	21.6 *15*	^{86}Zr(16.5 h) - 242.80, 612.00, 135.6
29.192 *1*	0.0120 *3*	^{233}U(1.592×10^5 y) - 42.44, 97.134, 54.699
29.374 *20*	15.0 *10*	^{237}Np(2.144×10^6 y) - 86.477, 94.66, 143.249
29.8 *1*	0.056 *6*	^{228}Pa(22 h) - 308.0, 43.3, 316.8
29.9640 *7*	14.1 *4*	^{140}Ba(12.752 d) - 537.261, 162.660, 304.849
30.332 *8*		^{108}Ag(418 y) - 722.907, 433.937, 614.276
30.60 *3*	0.253 *5*	^{201}Tl(72.912 h) - 167.43, 135.34, 32.19
30.6383 *11*	95 *1*	^{28}Mg(20.91 h) - 1342.27, 941.72, 400.56
30.77 *2*		^{93}Zr(1.53×10^6 y)
30.77 *2*	0.0006	^{93}Nb(16.13 y)
30.77 *2*		^{93}Mo(4.0×10^3 y)
30.814 *18*	0.00031	^{189}Os(5.8 h)
30.898 *4*	1.3 *calc*	^{195}Ir(2.5 h) - 98.85, 211.407, 129.70
30.898 *4*	2.28 *15*	^{195}Pt(4.02 d) - 98.85, 129.70, 129.5
30.898 *4*	0.75 *3*	^{195}Au(186.09 d) - 98.85, 129.70, 211.407
31.89 *10*	0.058 *13*	^{134}Ce(3.16 d) - 162.306, 130.414, 300.884
32.1473 *16*	0.0549 *15*	^{83}Kr(1.83 h) - 9.396
32.19 *3*	0.258 *5*	^{201}Tl(72.912 h) - 167.43, 135.34, 30.60
33.1964 *3*	0.0745 *23*	^{237}Pu(45.2 d) - 280.40, 298.89, 320.75
33.1964 *3*	0.126 *3*	^{241}Am(432.2 y) - 59.5412, 26.3448, 43.423
33.568 *10*	0.200 *22*	^{144}Ce(284.893 d) - 133.515, 80.120, 40.98
33.7 *3*		^{196}Tl(1.41 h) - 426.0, 635.5, 695.6
34.0		^{251}Es(33 h) - 177.7, 152.8, 163.8
35.4919 *5*	6.67 *20*	^{125}Te(57.40 d) - 109.276, 144.780
35.4919 *5*	6.68 *13*	^{125}I(59.408 d)
35.7 *3*		^{255}Es(39.8 d) - 269.1, 233.6
36.202 *16*	0.67 *6*	^{189}Ir(13.2 d) - 245.09, 69.537, 59.053
37.052 *2*	39.1 *8*	^{80}Br(4.4205 h) - 48.786
37.09 *3*	1.84 *6*	^{195}Hg(41.6 h) - 261.75, 560.27, 387.87
37.138 *10*	1.9	^{121}Sn(55 y) - 6.29
37.138 *10*	0.94 *10*	^{121}Te(154 d) - 1102.149, 998.291, 909.847
37.9681 *7*	>2.9	^{156}Sm(9.4 h) - 87.4897, 203.818, 165.8452
38.3 *1*	8	^{162}Ho(67.0 m) - 185.005, 1220.0, 282.864
38.661 *2*	0.0105 *2*	^{239}Pu(24110 y) - 51.624, 129.297, 375.045
38.9 *1*	7.0×10^{-5}	^{95}Tc(61 d) - 204.117, 582.082, 835.149
39.51 *3*	0.30	^{193}Hg(11.8 h) - 257.99, 407.63, 573.25
39.578 *4*	7.51 *23*	^{129}I(1.57×10^7 y)
39.578 *4*	7.5 *2*	^{129}Xe(8.88 d) - 196.56
39.578 *4*	2.97 *9*	^{129}Cs(32.06 h) - 371.918, 411.490, 548.945
39.757 *6*	0.07	^{103}Pd(16.991 d) - 357.47, 497.080, 294.978
39.858 *4*	1.091 *25*	^{212}Bi(60.55 m) - 727.330, 1620.50, 785.37
40.09 *5*	30	^{225}Ra(14.9 d)
40.09 *5*	0.104 *9*	^{229}Pa(1.50 d) - 64.70, 75.12, 115.55
40.350 *3*	5.04 *4*	^{186}Re(2.0×10^5 y) - 59.009, 99.362, 87.266
40.8 *1*	30.0 *20*	^{118}Sb(5.00 h) - 1229.68, 253.678, 1050.65
40.84 *3*	25.5 *13*	^{62}Zn(9.186 h) - 596.56, 548.35, 507.60
40.928 *4*	1.147 *15*	^{164}Yb(75.8 m) - 675.41, 390.6, 446.74
40.98 *10*	0.257 *16*	^{144}Ce(284.893 d) - 133.515, 80.120, 33.568
41		^{239}Cm(2.9 h) - 187.1, 146.4
41	0.006	^{243}Bk(4.5 h) - 187.1, 536, 146.4
41.4 *2*	9.2 *9*	^{184}Hf(4.12 h) - 139.1, 344.9, 181.0
41.53 *6*		^{248}Bk(23.7 h) - 592.2, 550.7, 43.38
41.53 *6*	0.011	^{252}Fm(25.39 h) - 96.28
41.79 *5*	~0.050	^{253}Es(20.47 d) - 389.11, 387.1, 42.98
41.8 *2*	0.76 *7*	^{243}Pu(4.956 h) - 84.0, 381.7, 67
41.86 *2*	0.00513 *23*	^{191}Os(15.4 d) - 129.421, 82.407, 47.05
41.938 *20*	0.045	^{102}Rh(2.9 y) - 475.10, 631.28, 697.49
41.95 *3*	0.350 *17*	^{245}Cm(8500 y) - 174.94, 132.99, 189.82
42.10 *2*	7.0 *4*	^{100}Pd(3.63 d) - 84.02, 74.78, 126.05
42.13 *1*		^{242}Am(16.02 h) - 44.54
42.13 *1*	0.014	^{246}Cf(35.7 h) - 96, 146
42.4	†6.7	^{178}Yb(74 m) - 390.8, 348.4
42.44 *2*	0.044 *3*	^{229}Pa(1.50 d) - 40.09, 64.70, 75.12
42.44 *2*	0.0862 *13*	^{233}U(1.592×10^5 y) - 97.134, 54.699, 29.192
42.723 *5*	0.0130 *10*	^{254}Fm(3.240 h) - 99.163, 154.35
42.824 *8*	0.09 *1*	^{240}Am(50.8 h) - 987.76, 888.80, 98.860

Energy	Intensity	Parent - Associated γ-rays
42.824 *8*	0.0240 *24*	^{244}Cm(18.10 y) - 98.860, 152.63, 554.60
42.852 *5*	0.014 *calc*	^{250}Cf(13.08 y)
42.88 *2*	0.06 *calc*	^{245}Am(2.05 h) - 252.80, 240.86, 295.72
42.98 *3*	~0.009	^{253}Es(20.47 d) - 41.79, 389.11, 387.1
43.119 *1*	5	^{194}Os(6.0 y) - 82.339
43.3 *1*	0.048 *6*	^{228}Pa(22 h) - 308.0, 29.8, 316.8
43.38 *3*	0.007 *calc*	^{248}Bk(23.7 h) - 592.2, 550.7
43.38 *3*	0.0148 *9*	^{252}Cf(2.645 y) - 100.4, 155.0
43.423 *10*	~0.0039	^{237}Pu(45.2 d) - 280.40, 298.89, 320.75
43.423 *10*	0.073 *8*	^{241}Am(432.2 y) - 59.5412, 26.3448, 33.1964
43.498 *1*	0.0395 *8*	^{238}Pu(87.7 y) - 99.853, 152.720, 766.38
43.533 *1*	5.93 *13*	^{243}Am(7370 y) - 74.664, 117.84, 86.71
43.81 *3*	28.7 *8*	^{66}Ge(2.26 h) - 381.85, 272.97, 108.90
43.81 *2*	25.0 *13*	^{246}Pu(10.84 d) - 223.75, 179.94, 27.58
44.08 *3*	0.0325 *12*	^{242}Cm(162.8 d) - 101.90, 157.42, 561.11
44.10 *7*	1.05 *5*	^{240}U(14.1 h) - 189.7, 66.5, 169.2
44.54 *2*		^{242}Am(16.02 h)
44.54 *2*		^{246}Cm(4730 y)
44.60 *5*	0.558 *20*	^{220}Fr(27.4 s) - 413.0, 234.5, 178.4
44.63 *10*	0.011	^{236}Np(22.5 h) - 642.35, 687.59, 538.11
44.63 *10*	0.0167 *6*	^{236}Np(1.54×10^{5} y) - 160.308, 104.234, 45.242
44.697 *2*	12.4 *3*	^{174}Lu(142 d) - 272.918, 992.128, 176.645
44.915 *13*	0.036	^{242}Pu(3.733×10^{5} y) - 103.50, 158.80
45.242 *3*	0.13 *3*	^{236}Np(1.54×10^{5} y) - 160.308, 104.234, 104.1
45.242 *3*	0.0450 *8*	^{240}Pu(6563 y) - 104.234, 160.308, 212.46
45.2972 *13*	1.326 *25*	^{155}Eu(4.7611 y) - 86.545, 105.305, 60.0086
45.48 *2*	19.5 *20*	^{76}Kr(14.8 h) - 315.7, 270.2, 406.5
45.5 *2*	2.9 *10*	^{158}Er(2.29 h) - 71.91, 386.84, 248.58
45.85 *9*	58	^{72}Se(8.40 d)
46.3 *2*	†~0.12	^{253}Cf(17.81 d)
46.4839 *4*	7.97 *12*	^{183}Re(70.0 d) - 162.3219, 291.7238, 208.8057
46.539 *1*	4.25 *4*	^{210}Pb(22.3 y)
47.05 *3*	0.00270 *20*	^{191}Os(15.4 d) - 129.421, 82.407, 41.86
47.155 *6*	16.9 *4*	^{165}Tm(30.06 h) - 242.917, 297.369, 806.372
47.574 *9*	0.066 *calc*	^{236}Pu(2.858 y) - 108.96, 166.0, 643.5
48.63 *5*	0.00013	^{242}Am(141 y) - 49.367, 86.68, 109.69
48.786 *5*	0.317 *9*	^{80}Br(4.4205 h) - 37.052
48.91562 *14*	17.0 *4*	^{161}Tb(6.88 d) - 25.65150, 74.56711, 57.196
49.10 *10*	0.005 *1*	^{239}Am(11.9 h) - 277.599, 228.183, 226.378
49.369 *9*	0.078 *calc*	^{236}U(2.342×10^{7} y) - 112.75
49.367 *4*	0.19	^{242}Am(141 y) - 86.68, 109.69, 163.24
49.55 *6*	0.064 *8*	^{238}U(4.468×10^{9} y) - 113.5
49.630 *10*	74	^{156}Tb(24.4 h) - 0
49.72 *1*	15.0 *3*	^{132}Te(3.204 d) - 228.16, 116.30, 111.76
49.82680 *16*	0.360 *9*	^{199}Au(3.139 d) - 158.37947, 208.20597
49.89 *7*	2.7 *9*	^{223}Fr(21.8 m) - 50.13, 79.72, 234.81
50.13 *1*	36.0 *21*	^{223}Fr(21.8 m) - 79.72, 234.81, 49.89
50.13 *1*	8.0 *4*	^{227}Th(18.72 d) - 235.971, 256.25, 329.851
51.624 *1*	0.0271 *5*	^{239}Pu(24110 y) - 38.661, 129.297, 375.045
51.72 *4*	0.026 *3*	^{230}Pa(17.4 d) - 951.95, 918.48, 454.95
52.33 *5*	0.55 *5*	^{252}Es(471.7 d) - 924.12, 800.01, 785.09
53.10 *2*	1.09 *3*	^{197}Pt(95.41 m) - 346.5
53.20 *2*	0.123 *2*	^{234}U(2.455×10^{5} y) - 120.90, 454.95, 508.20
53.29 *3*	0.0092 *7*	^{195}Hg(41.6 h) - 261.75, 560.27, 387.87
53.440 *9*	10.34 *calc*	^{73}As(80.30 d) - 13.271
54.2400 *7*	0.81 *12*	^{166}Dy(81.6 h) - 82.471, 28.242, 426.00
54.548 *9*	3.7 *3*	^{157}Eu(15.18 h) - 63.929, 410.723, 370.509
54.548 *9*	0.0084 *8*	^{157}Tb(71 y)
54.699 *1*	0.0182 *3*	^{233}U(1.592×10^{5} y) - 42.44, 97.134, 29.192
54.968 *4*	6.81 *17*	^{125}Xe(16.9 h) - 188.418, 243.378, 453.796
55.506 *8*	5.8 *3*	^{182}Os(22.10 h) - 510.056, 180.230, 263.285
57.0723 *12*	4.6 *8*	^{167}Tm(9.25 d) - 207.801, 531.54, 264.9
57.196 *1*	1.79 *5*	^{161}Tb(6.88 d) - 25.65150, 48.91562, 74.56711
57.356 *7*	11.7 *3*	^{143}Ce(33.039 h) - 293.266, 664.571, 721.929
57.555 *17*	48.0 *9*	^{180}Hf(5.5 h) - 332.277, 443.09, 215.256
57.61 *2*	0.50 *5*	^{127}Te(109 d) - 88.26
57.766 *5*	0.1999 *18*	^{232}U(68.9 y) - 129.065, 270.245, 328.000
57.8 *1*	4.4	^{162}Ho(67.0 m) - 185.005, 1220.0, 282.864
58.00 *1*	2.15 *10*	^{159}Gd(18.479 h) - 363.55, 348.16, 226.01
58.00 *1*	2.22 *13*	^{159}Dy(144.4 d) - 348.16, 79.45, 290.27
58.39 *3*	19.2 *4*	^{133}Ce(4.9 h) - 477.22, 510.36, 130.803
58.477 *15*	0.67	^{255}Fm(20.07 h) - 81.477, 80.92, 23.001
58.570 *3*	0.44	^{231}U(4.2 d) - 25.646, 84.216, 217.940
58.570 *3*	1.6×10^{-5} *5*	^{235}Np(396.1 d) - 25.646, 84.216, 81.227
58.603 *7*	1.98	^{60}Fe(1.5×10^{6} y)
59.009 *4*	17.83 *18*	^{186}Re(2.0×10^{5} y) - 40.350, 99.362, 87.266
59.053 *15*	1.20 *12*	^{189}Ir(13.2 d) - 245.09, 69.537, 36.202
59.08 *2*	0.0288 *11*	^{174}Lu(142 d) - 272.918, 992.128, 176.645
59.235 *2*	0.60 *5*	^{161}Ho(2.48 h) - 25.65150, 103.062, 77.414
59.5412 *2*	34.5 *8*	^{237}U(6.75 d) - 208.00, 26.3448, 164.61
59.5412 *2*	3.28 *10*	^{237}Pu(45.2 d) - 26.3448, 33.1964, 43.423
59.5412 *2*	35.9 *4*	^{241}Am(432.2 y) - 26.3448, 33.1964, 43.423
59.97 *3*	2.30 *13*	^{200}Pt(12.5 h) - 76.21, 135.90, 243.71
59.97 *3*	2.9 *6*	^{200}Au(18.7 h) - 332.82, 146.07, 133.23
59.98 *3*	0.0689 *19*	^{160}Ho(5.02 h) - 728.18, 879.383, 962.317
59.98 *3*	0.069 *4*	^{160}Er(28.58 h) - 7.133
60.0086 *10*	1.13 *5*	^{155}Eu(4.7611 y) - 86.545, 105.305, 45.2972
60.0 *1*	5.7 *12*	^{185}Ir(14.4 h) - 254.4, 1828.8, 97.4
60.82 *7*	0.5 *3*	^{157}Dy(8.14 h) - 326.16, 182.20, 83.01
61.25 *5*	12	^{145}Sm(340 d) - 492.31, 431.4
61.29	†152	^{176}W(2.5 h) - 100.20, 94.86, 84.14
61.46 *3*	6.2 *4*	^{195}Hg(9.9 h) - 779.80, 585.13, 180.11
61.5 *3*	0.56 *22*	^{251}Cf(898 y) - 176.6, 227.0, 285.0
61.6 *1*	1.45 *8*	^{257}Fm(100.5 d) - 241.0, 179.4, 104.4
62.2		^{148}Pm(41.29 d) - 75.7
62.47 *5*	0.16	^{253}Fm(3.00 d) - 271.8, 144.99, 405
62.6 *2*	0.9 *4*	^{173}Tm(8.24 h) - 398.9, 461.4
63.0 *1*	†40 *2*	^{230}Ra(93 m) - 72.0, 202.8, 469.7
63.0 *20*	2.0 *2*	^{254}Es(275.7 d) - 316, 304, 385
63.12077 *9*	44.2 *6*	^{169}Yb(32.026 d) - 197.95788, 177.21402, 109.77987
63.29 *2*	4.8 *5*	^{234}Th(24.10 d) - 92.38, 92.80, 112.81
63.582 *3*	0.109 *16*	^{188}W(69.4 d) - 290.669, 227.083, 207.849
63.83 *2*	0.263 *13*	^{232}Th(1.405×10^{10} y) - 140.86
63.929 *8*	23.0 *23*	^{157}Eu(15.18 h) - 410.723, 370.509, 54.548
64.28 *1*	9.6 *11*	^{126}Sn(1×10^{5} y) - 87.57, 86.94, 23.28
64.42 *5*	0.274 *23*	^{252}Es(471.7 d) - 924.12, 800.01, 785.09
64.70 *5*	0.045 *4*	^{229}Pa(1.50 d) - 40.09, 75.12, 115.55
65.548 *13*	0.259 *9*	^{121}Te(16.78 d) - 573.139, 507.591, 470.472
65.66 *1*	0.0198 *6*	^{119}Sn(293.1 d) - 23.870, 25.271
66.5 *1*	0.154 *15*	^{240}U(14.1 h) - 44.10, 189.7, 169.2
66.720 *10*	0.14	^{171}Tm(1.92 y)
67 *1*	0.23 *11*	^{243}Pu(4.956 h) - 84.0, 41.8, 381.7
67.03 *1*	78 *9*	^{73}Se(7.15 h) - 360.80, 865.09, 510
67.058 *3*	7.25 *15*	^{174}Lu(142 d) - 272.918, 992.128, 176.645
67.22 *2*	0.553 *15*	^{145}Pm(17.7 y) - 72.500
67.35 *10*	5.3 *6*	^{172}Hf(1.87 y) - 23.9331, 125.812, 81.7513
67.412 *3*	85	^{61}Co(1.650 h) - 908.631, 841.211
67.412 *3*	4.23 *13*	^{61}Cu(3.333 h) - 282.956, 656.008, 1185.234
67.67 *1*	0.11 *3*	^{226}Ac(29.37 h) - 253.73, 186.05
67.67 *1*	0.377 *21*	^{230}Th(7.538×10^{4} y) - 143.87, 253.73, 186.05
67.74970 *10*	41.2 *6*	^{182}Ta(114.43 d) - 1121.3007, 1221.4066, 1189.0503
67.74970 *10*	38.2 *13*	^{182}Re(12.7 h) - 1121.3007, 1221.4066, 1189.0503
67.74970 *10*	22.2 *22*	^{182}Re(64.0 h) - 229.3207, 1121.3007, 1221.4066
67.875	94.4 *14*	^{44}Ti(63 y) - 78.337, 146.212
68.107 *4*	3.29 *7*	^{172}Er(49.3 h) - 610.062, 407.338, 446.025
68.573 *14*	0.42 *3*	^{211}Rn(14.6 h) - 167.90, 236.48
69.21 *4*	0.0065 *6*	^{227}Ac(21.773 y) - 100, 160.26, 147.48
69.229 *3*	11.6 *3*	^{163}Tm(1.810 h) - 104.320, 241.305, 1434.45
69.537 *15*	3.5 *4*	^{189}Ir(13.2 d) - 245.09, 59.053, 36.202
69.67300 *13*	4.85 *6*	^{153}Sm(46.284 h) - 103.18012, 97.43100, 75.42213
69.67300 *13*	2.419 *23*	^{153}Gd(240.4 d) - 97.43100, 103.18012, 83.36717
69.70 *5*	5.9 *7*	^{173}Ta(3.14 h) - 172.2, 90.3, 160.4
70.44 *5*	2.14 *15*	^{111}Pd(5.5 h) - 172.18
71.1 *1*	†8.0 *5*	^{258}Md(51.5 d) - 367.8, 447.9, 276.8
71.30 *5*	0.043 *4*	^{254}Es(39.3 h) - 648.80, 693.79, 688.68
71.91 *1*	9.99 *13*	^{158}Er(2.29 h) - 386.84, 248.58, 45.5
72.001 *4*	11.14 *22*	^{187}W(23.72 h) - 685.774, 479.531, 134.243
72.0 *1*	†113 *6*	^{230}Ra(93 m) - 63.0, 202.8, 469.7
72.20 *4*	0.56 *13*	^{226}Ac(29.37 h) - 253.73, 186.05, 67.67
72.20 *4*	0.60 *4*	^{230}U(20.8 d) - 154.23, 230.37, 158.18
72.500 *4*	0.261 *14*	^{145}Pr(5.984 h) - 748.278, 675.795, 978.969
72.500 *4*	1.9	^{145}Pm(17.7 y) - 67.22
72.70 *7*	0.59 *3*	^{210}Rn(2.4 h) - 458.25, 648.70, 570.95
73.042 *11*	3.2 *5*	^{193}Os(30.11 h) - 138.938, 460.547, 557.429

Energy	Intensity	Parent - Associated γ-rays
73.174 *12*	38 *4*	^{183}Hf(1.067 h) - 783.754, 459.069, 397.859
74.379 *9*	0.07	^{191}Os(13.10 h)
74.56711 *22*	10.2 *2*	^{161}Tb(6.88 d) - 25.65150, 48.91562, 57.196
74.664 *1*	68	^{243}Am(7370 y) - 43.533, 117.84, 86.71
74.78 *2*	48 *3*	^{100}Pd(3.63 d) - 84.02, 126.05, 42.10
75.12 *5*	0.035 *3*	^{229}Pa(1.50 d) - 40.09, 64.70, 115.55
75.42213 *23*	0.349 *15*	^{153}Sm(46.284 h) - 103.18012, 69.67300, 97.43100
75.7 *1*	1.11 *3*	^{148}Pm(41.29 d) - 62.2
75.878 *5*	6.08 *8*	^{171}Lu(8.24 d) - 739.78, 19.394, 667.404
76.073 *10*	1.17×10^{-8} *20*	^{147}Pm(2.6234 y) - 121.220, 197.299
76.21 *4*	13	^{200}Pt(12.5 h) - 135.90, 243.71, 59.97
76.471 *1*	5.9 *3*	^{174}Lu(3.31 y) - 1241.847, 1318.296, 1065.04
76.471 *1*	0.0638 *16*	^{174}Lu(142 d) - 272.918, 992.128, 176.645
76.9 *5*	15.8 *23*	^{133}Ce(97 m) - 97.261, 557.7, 376.7
77.10 *10*	2.11×10^{-5} *7*	^{241}Pu(14.35 y) - 148.567, 103.680, 159.955
77.2583 *6*	0.69 *5*	^{152}Eu(96 m) - 89.8492, 18.265, 12.598
77.351 *2*	0.0111 *16*	^{197}Pt(95.41 m) - 346.5, 53.10
77.351 *2*	17.0 *16*	^{197}Pt(19.8915 h) - 191.437, 268.78
77.351 *2*	0.029 *4*	^{197}Hg(23.8 h) - 279.01, 130.2, 201.6
77.351 *2*	18.7 *4*	^{197}Hg(64.14 h) - 191.437, 268.78
77.414 *1*	1.91 *16*	^{161}Ho(2.48 h) - 25.65150, 103.062, 59.235
78.337	96	^{44}Ti(63 y) - 67.875, 146.212
78.63 *3*	0.00347 *17*	^{170}Tm(128.6 d)
78.63 *3*	11.87 *17*	^{173}Lu(1.37 y) - 272.105, 100.724, 171.393
78.7426 *6*	6.5 *5*	^{172}Tm(63.6 h) - 1093.657, 1387.093, 1529.72
79.138 *3*	6.63 *5*	^{108}Ag(418 y) - 722.907, 433.937, 614.276
79.45 *2*	0.00048 *13*	^{159}Dy(144.4 d) - 58.00, 348.16, 290.27
79.5104 *14*	11.6 *4*	^{158}Tb(180 y) - 944.09, 962.06, 181.930
79.6139 *26*	0.27 *3*	^{133}Xe(5.243 d) - 80.9971, 160.613, 302.853
79.72 *1*	9.1 *4*	^{223}Fr(21.8 m) - 50.13, 234.81, 49.89
80.120 *5*	1.36 *6*	^{144}Ce(284.893 d) - 133.515, 40.98, 33.568
80.185 *2*	2.62 *3*	^{131}I(8.02070 d) - 364.489, 636.989, 284.305
80.236 *7*	0.0047	^{193}Ir(10.53 d)
80.574 *8*	6.71 *8*	^{166}Ho(26.83 h) - 1379.40, 1581.89, 1662.48
80.723 *2*	11.10 *22*	^{153}Dy(6.4 h) - 213.754, 99.659, 254.259
80.92 *5*	0.27	^{255}Fm(20.07 h) - 81.477, 58.477, 23.001
80.9971 *14*	38.0 *7*	^{133}Xe(5.243 d) - 79.6139, 160.613, 302.853
80.9971 *14*	34.06 *27*	^{133}Ba(10.51 y) - 356.017, 302.853, 383.851
81.227 *3*	0.89 *5*	^{231}Th(25.52 h) - 25.646, 84.216, 89.944
81.227 *3*	3.9×10^{-5} *3*	^{235}Np(396.1 d) - 25.646, 84.216, 58.570
81.477 *20*	0.81	^{255}Fm(20.07 h) - 58.477, 80.92, 23.001
81.5 *1*	6 *1*	^{175}Ta(10.5 h) - 207.4, 348.5, 266.9
81.7513 *5*	4.52 *23*	^{172}Hf(1.87 y) - 23.9331, 125.812, 67.35
81.788 *15*	0.0478 *14*	^{121}Te(154 d) - 1102.149, 37.138, 998.291
81.99 *2*	0.0034 *23*	^{154}Eu(8.593 y) - 184.810
82.13 *2*	0.0070 *14*	^{176}Lu(3.635 h)
82.29 *2*		^{166}Yb(56.7 h)
82.339 *2*	>0.011	^{194}Os(6.0 y) - 43.119
82.407 *14*	0.0255 *20*	^{191}Os(15.4 d) - 129.421, 41.86, 47.05
82.407 *14*	4.9 *5*	^{191}Pt(2.802 d) - 538.90, 409.44, 359.90
82.471 *2*	14	^{166}Dy(81.6 h) - 28.242, 54.2400, 426.00
82.802 *22*	0.012	^{210}At(8.1 h) - 106, 167, 141.2
83.01 *4*	0.62 *18*	^{157}Dy(8.14 h) - 326.16, 182.20, 60.82
83.28 *4*	0.00539 *20*	^{184}Re(169 d) - 252.848, 216.548, 920.932
83.36717 *21*	0.196 *4*	^{153}Gd(240.4 d) - 97.43100, 103.18012, 69.67300
84.0 *2*	23	^{243}Pu(4.956 h) - 41.8, 381.7, 67
84.0 *2*	~40	^{247}Bk(1380 y) - 265
84.02 *2*	52 *3*	^{100}Pd(3.63 d) - 74.78, 126.05, 42.10
84.14	†81	^{176}W(2.5 h) - 100.20, 94.86, 61.29
84.216 *3*	6.6 *3*	^{231}Th(25.52 h) - 25.646, 89.944, 81.227
84.216 *3*	7	^{231}U(4.2 d) - 25.646, 217.940, 58.570
84.216 *3*	0.000179 *10*	^{235}Np(396.1 d) - 25.646, 81.227, 58.570
84.25474 *8*	2.5	^{170}Tm(128.6 d) - 78.63
84.25474 *8*	9.0 *5*	^{170}Lu(2.012 d) - 1280.25, 2041.88, 985.10
84.373 *3*	1.52 *6*	^{224}Ac(2.78 h) - 156.82, 140.7, 144.44
84.373 *3*	1.22 *2*	^{228}Th(1.9131 y) - 215.983, 131.613, 166.410
86.25 *4*	1.33 *10*	^{229}Th(7340 y) - 193.509, 210.853, 86.40
86.40 *5*	2.57 *10*	^{229}Th(7340 y) - 193.509, 210.853, 86.25
86.477 *10*	12.4 *4*	^{237}Np(2.144×10^{6} y) - 29.374, 94.66, 143.249
86.545 *3*	30.7 *6*	^{155}Eu(4.7611 y) - 105.305, 45.2972, 60.0086
86.545 *3*	32.0 *6*	^{155}Tb(5.32 d) - 105.305, 180.103, 262.322
86.68 *4*	0.037	^{242}Am(141 y) - 49.367, 109.69, 163.24
86.71 *2*	0.338 *7*	^{243}Am(7370 y) - 74.664, 43.533, 117.84
86.814 *3*	1.97 *12*	^{233}Pa(26.967 d) - 312.17, 300.34, 340.81
86.94 *1*	8.9 *9*	^{126}Sn(1×10^{5} y) - 87.57, 64.28, 23.28
87.266 *4*	0.053 *18*	^{186}Re(2.0×10^{5} y) - 59.009, 40.350, 99.362
87.4 *1*		^{243}Bk(4.5 h) - 187.1, 536, 146.4
87.4897 *3*	24 *7*	^{156}Sm(9.4 h) - 203.818, 165.8452, 37.9681
87.57 *1*	37	^{126}Sn(1×10^{5} y) - 64.28, 86.94, 23.28
87.73 *1*	1.6×10^{-5} *10*	^{168}Tm(93.1 d) - 198.241, 815.990, 447.515
87.8671 *11*	0.202 *11*	^{77}As(38.83 h) - 238.9963, 520.639, 249.7862
88.04 *5*	3.6 *3*	^{109}Pd(13.7012 h) - 311.4, 647.3, 781.4
88.04 *5*	3.61 *10*	^{109}Cd(462.6 d)
88.26 *8*	0.084 *3*	^{127}Te(109 d)
88.34 *3*	13.3 *13*	^{176}Lu(3.78×10^{10} y) - 306.78, 201.83, 400.99
88.34 *3*	8.9 *4*	^{176}Lu(3.635 h) - 1159.28, 1061.61, 201.83
88.34 *3*	12	^{176}Ta(8.09 h) - 1159.28, 1224.93, 201.83
88.4		^{156}Tb(5.3 h)
88.46 *3*	0.092 *3*	^{123}Te(119.7 d) - 158.97, 247.5
88.867 *1*	64.4 *10*	^{178}Ta(2.36 h) - 426.383, 325.562, 213.440
88.9667 *14*	8.4 *9*	^{156}Eu(15.19 d) - 811.79, 1230.68, 1153.67
88.9667 *14*	17.7 *19*	^{156}Tb(5.35 d) - 534.318, 199.2132, 1222.36
89.36 *1*	2.40 *18*	^{175}Hf(70 d) - 343.40, 433.0, 229.6
89.65 *7*	0.0006	^{99}Tc(2.111×10^{5} y)
89.65 *7*		^{99}Tc(6.01 h) - 322.41, 232.72
89.65 *7*	33.4 *15*	^{99}Rh(16.1 d) - 528.24, 353.05, 322.41
89.8492 *7*	70	^{152}Eu(96 m) - 18.265, 77.2583, 12.598
89.9 *2*	79.5 *16*	^{120}Sb(5.76 d) - 1171.3, 1023.1, 197.3
89.944 *5*	0.94 *6*	^{231}Th(25.52 h) - 25.646, 84.216, 81.227
90.3 *1*	5.0 *5*	^{173}Ta(3.14 h) - 172.2, 69.70, 160.4
90.596 *7*	0.563 *19*	^{122}Xe(20.1 h) - 350.065, 148.612, 416.633
91.00 *2*	16.0 *12*	^{174}Ta(1.05 h) - 206.50, 1205.92, 1228.33
91.105 *2*	28	^{147}Nd(10.98 d) - 531.016, 319.411, 439.895
91.266 *5*	7.0 *1*	^{67}Cu(61.83 h) - 184.577, 93.311, 300.219
91.40 *2*	7	^{164}Tm(2.0 m) - 1154.66, 768.91, 208.08
92.38 *1*	2.81 *15*	^{234}Th(24.10 d) - 63.29, 92.80, 112.81
92.80 *2*	2.77 *15*	^{234}Th(24.10 d) - 63.29, 92.38, 112.81
93.124 *20*	4.8 *3*	^{107}Cd(6.50 h) - 828.93, 796.462, 324.81
93.180 *1*	6.0 *15*	^{178}Lu(28.4 m) - 1340.8, 1310.05, 1269.34
93.311 *5*	16.1 *2*	^{67}Cu(61.83 h) - 184.577, 91.266, 300.219
93.311 *5*	39.2 *10*	^{67}Ga(3.2612 d) - 184.577, 300.219, 393.529
93.326 *2*	4.5	^{180}Ta(8.152 h)
93.88 *3*	33.1 *14*	^{116}Te(2.49 h) - 628.66, 103.01, 637.9
94.33 *3*	7.6 *6*	^{189}Pt(10.87 h) - 721.41, 568.84, 243.37
94.66 *5*	0.6 *2*	^{237}Np(2.144×10^{6} y) - 29.374, 86.477, 143.249
94.700 *3*	3.58 *18*	^{165}Dy(2.334 h) - 361.68, 633.415, 715.328
94.86	†153	^{176}W(2.5 h) - 100.20, 61.29, 84.14
96 *3*	0.012	^{246}Cf(35.7 h) - 42.13, 146
96.28 *6*	0.036 *3*	^{252}Fm(25.39 h) - 41.53
96.5 *1*	0.31	^{97}Tc(90.1 d)
96.75 *2*	0.116 *6*	^{111}Ag(7.45 d) - 342.13, 245.395, 620.26
97.134 *1*	0.020 *3*	^{233}U(1.592×10^{5} y) - 42.44, 54.699, 29.192
97.1949 *17*	69.3 *23*	^{198}Au(2.27 d) - 214.841, 180.31, 204.10
97.261 *10*	45 *7*	^{133}Ce(97 m) - 76.9, 557.7, 376.7
97.4 *2*	4.2 *8*	^{185}Ir(14.4 h) - 254.4, 1828.8, 60.0
97.43100 *21*	0.846 *12*	^{153}Sm(46.284 h) - 103.18012, 69.67300, 75.42213
97.43100 *21*	29	^{153}Gd(240.4 d) - 103.18012, 69.67300, 83.36717
98.0 *10*	3.72 *9*	^{132}I(1.387 h) - 22
98.8 *1*	0.0007	^{102}Rh(2.9 y) - 475.10, 631.28, 697.49
98.85 *5*	10 *calc*	^{195}Ir(2.5 h) - 211.407, 30.898, 129.70
98.85 *5*	10 *calc*	^{195}Ir(3.8 h) - 684.88, 432.86, 319.90
98.85 *5*	11.4 *6*	^{195}Pt(4.02 d) - 129.70, 30.898, 129.5
98.85 *5*	10.9 *5*	^{195}Au(186.09 d) - 129.70, 30.898, 211.407
98.860 *13*	1.5 *2*	^{240}Am(50.8 h) - 987.76, 888.80, 42.824
98.860 *13*	0.00162 *15*	^{244}Cm(18.10 y) - 42.824, 152.63, 554.60
98.918 *1*	4.29 *13*	^{158}Tb(180 y) - 944.09, 962.06, 79.5104
98.918 *1*	†700 *50*	^{158}Ho(11.3 m) - 218.221, 945.61, 948.78
99.163 *6*	0.031 *3*	^{254}Fm(3.240 h) - 42.723, 154.35
99.362 *4*	1.07 *4*	^{186}Re(2.0×10^{5} y) - 59.009, 40.350, 87.266
99.383 *4*	4.6 *8*	^{244}Am(10.1 h) - 743.971, 897.848, 153.863
99.5 *2*	0.11 *4*	^{221}Fr(4.9 m) - 218.19, 410.7, 150.0
99.63 *5*	0.62 *3*	^{225}Ac(10.0 d) - 99.91, 150.04, 188.00
99.659 *2*	10.51 *10*	^{153}Dy(6.4 h) - 80.723, 213.754, 254.259
99.853 *3*	0.00735 *8*	^{238}Pu(87.7 y) - 43.498, 152.720, 766.38

Energy	Intensity	Parent - Associated γ-rays
99.91 *5*	1.01 *6*	^{225}Ac(10.0 d) - 150.04, 99.63, 188.00
100 *5*	0.0009	^{195}Ir(3.8 h)
~100	~0.009	^{227}Ac(21.773 y) - 69.21, 160.26, 147.48
100.20	†1816	^{176}W(2.5 h) - 94.86, 61.29, 84.14
100.4 *3*	~0.013	^{252}Cf(2.645 y) - 43.38, 155.0
100.70 *5*	0.017	^{180}Hf(5.5 h) - 332.277, 443.09, 215.256
100.724 *20*	5.24 *9*	^{173}Lu(1.37 y) - 272.105, 78.63, 171.393
101.25 *4*	0.0012	^{193}Hg(11.8 h) - 257.99, 407.63, 573.25
101.90 *3*	0.0025 *4*	^{242}Cm(162.8 d) - 44.08, 157.42, 561.11
102.2564 *13*	6.4 *4*	^{153}Tb(2.34 d) - 212.0040, 109.7601, 170.4511
102.32 *5*	1.88 *13*	^{252}Es(471.7 d) - 924.12, 800.01, 785.09
102.82 *2*	0.85 *6*	^{236}Np(1.54×10^{5} y) - 160.308, 104.234, 45.242
103.01 *2*	1.98 *11*	^{116}Te(2.49 h) - 93.88, 628.66, 637.9
103.062 *1*	3.9	^{161}Ho(2.48 h) - 25.65150, 77.414, 59.235
103.1 *1*	0.39	^{245}Bk(4.94 d) - 205.879, 471.805, 164.8
103.14 *17*	2.32 *8*	^{72}Zn(46.5 h) - 145.04, 191.96, 16.4
103.18012 *17*	30	^{153}Sm(46.284 h) - 69.67300, 97.43100, 75.42213
103.18012 *17*	21.11 *23*	^{153}Gd(240.4 d) - 97.43100, 69.67300, 83.36717
103.50 *4*	0.0078 *8*	^{242}Pu(3.733×10^{5} y) - 44.915, 158.80
103.557 *7*	0.81 *16*	^{180}Ta(8.152 h) - 93.326
103.680 *5*	.0001017 *12*	^{241}Pu(14.35 y) - 148.567, 77.10, 159.955
104.0 *2*	0.0102 *10*	^{254}Es(39.3 h) - 211.80, 177.30, 71.30
104.1 *10*		^{236}Np(1.54×10^{5} y) - 160.308, 104.234, 45.242
104.234 *6*		^{236}Np(22.5 h) - 44.63
104.234 *6*	7.2 *3*	^{236}Np(1.54×10^{5} y) - 158.35, 102.82, 44.63
104.234 *6*	0.00708 *10*	^{240}Pu(6563 y) - 45.242, 160.308, 212.46
104.320 *3*	18.6 *4*	^{163}Tm(1.810 h) - 69.229, 241.305, 1434.45
104.4 *1*	0.62 *5*	^{257}Fm(100.5 d) - 241.0, 179.4, 61.6
104.62 *5*	0.539 *19*	^{91}Nb(60.86 d) - 1204.77
104.729 *7*	13.4 *4*	^{184}Re(169 d) - 252.848, 216.548, 920.932
105.305 *3*	21.2 *5*	^{155}Eu(4.7611 y) - 86.545, 45.2972, 60.0086
105.305 *3*	25	^{155}Tb(5.32 d) - 86.545, 180.103, 262.322
105.50 *5*	0.145 *6*	^{129}Te(33.6 d)
105.88 *5*	0.299 *20*	^{220}Fr(27.4 s) - 413.0, 234.5, 178.4
106 *1*	0.0044	^{210}At(8.1 h) - 82.802, 167, 141.2
106.125 *2*	27.2 *4*	^{239}Np(2.3565 d) - 277.599, 228.183, 209.753
106.46 *3*	9	^{187}Pt(2.35 h) - 201.52, 110.04, 709.17
107.9322 *4*	11.0 *4*	^{183}Ta(5.1 d) - 246.0591, 353.9912, 161.3467
108.088 *10*	24.3 *9*	^{151}Tb(17.609 h) - 287.357, 251.863, 587.46
108.90 *2*	10.4 *3*	^{66}Ge(2.26 h) - 43.81, 381.85, 272.97
108.96 *5*	0.012	^{236}Pu(2.858 y) - 47.574, 166.0, 643.5
109.276 *15*	0.274 *9*	^{125}Te(57.40 d) - 35.4919, 144.780
109.69 *4*	0.024	^{242}Am(141 y) - 49.367, 86.68, 163.24
109.7601 *14*	6.76 *25*	^{153}Tb(2.34 d) - 212.0040, 102.2564, 170.4511
109.77987 *6*	0.0013 *3*	^{169}Er(9.40 d) - 8.41031, 118.19018
109.77987 *6*	17.47 *18*	^{169}Yb(32.026 d) - 63.12077, 197.95788, 177.21402
110.04 *3*	5.7 *5*	^{187}Pt(2.35 h) - 106.46, 201.52, 709.17
111.12 *2*	13.1 *13*	^{222}Fr(14.2 m) - 206.17, 242.11, 131.00
111.12 *2*	3.29 *20*	^{226}Th(30.57 m) - 242.11, 131.00, 206.17
111.208 *4*	23.7 *10*	^{184}Ta(8.7 h) - 414.03, 252.848, 920.932
111.208 *4*	17.1 *6*	^{184}Re(38.0 d) - 903.279, 792.071, 894.757
111.621 *4*	20.5 *8*	^{171}Er(7.516 h) - 308.31, 295.901, 124.015
111.73 *2*	0.298 *8*	^{174}Lu(142 d) - 272.918, 992.128, 176.645
111.76 *8*	1.74 *4*	^{132}Te(3.204 d) - 228.16, 49.72, 116.30
112.36 *6*	96.0 *6*	^{48}Cr(21.56 h) - 308.25, 420.5
112.75 *2*	0.019 *2*	^{236}U(2.342×10^{7} y) - 49.369
112.81 *5*	0.277 *20*	^{234}Th(24.10 d) - 63.29, 92.38, 92.80
112.9498 *5*	6.4 *3*	^{177}Lu(6.734 d) - 208.3664, 321.3162, 249.6741
112.9498 *5*	7.2 *8*	^{177}Ta(56.56 h) - 208.3664, 1057.8, 745.9
113.5 *1*	0.0102 *15*	^{238}U(4.468×10^{9} y) - 49.55
113.805 *4*	1.88 *3*	^{175}Yb(4.185 d) - 396.329, 282.522, 144.863
113.94 *5*	40 *5*	^{139}Nd(5.50 h) - 737.96, 982.2, 708.06
114.314 *11*	19.2 *13*	^{149}Nd(1.728 h) - 211.309, 270.166, 654.831
114.3152 *16*	2.6 *4*	^{182}Hf(9×10^{6} y) - 270.4031, 156.088, 172.5708
114.3152 *16*	6.2 *6*	^{182}Hf(61.5 m) - 942.80, 799.64, 339.65
114.463 *5*	20.63 *8*	^{183}Os(13.0 h) - 381.768, 167.844, 851.474
114.71 *2*	44.0 *5*	^{146}Gd(48.27 d) - 154.57, 115.51, 576.0
115.05 *5*	8.6 *16*	^{177}W(135 m) - 115.65, 426.98, 1036.4
115.183 *5*	0.592 *7*	^{212}Pb(10.64 h) - 238.632, 300.087, 415.2
115.51 *2*	44.0 *5*	^{146}Gd(48.27 d) - 154.57, 114.71, 576.0
115.55 *5*	0.0182 *14*	^{229}Pa(1.50 d) - 40.09, 64.70, 75.12
115.65 *5*	51 *4*	^{177}W(135 m) - 426.98, 1036.4, 115.05
116.30 *8*	1.96 *5*	^{132}Te(3.204 d) - 228.16, 49.72, 111.76
116.48 *5*	0.008	^{110}Ag(249.79 d) - 1.113
117.159 *2*	0.047 *3*	^{229}Pa(1.50 d) - 40.09, 64.70, 75.12
117.84 *2*	0.57 *8*	^{243}Am(7370 y) - 74.664, 43.533, 86.71
118.03 *4*	12.9 *14*	^{181}Os(105 m) - 238.75, 826.77, 831.62
118.19018 *18*	0.00014 *4*	^{169}Er(9.40 d) - 8.41031, 109.77987
118.72 *3*	31.2 *7*	^{103}Ag(65.7 m) - 148.193, 266.86, 1273.83
118.968 *2*	0.130 *6*	^{229}Pa(1.50 d) - 40.09, 64.70, 75.12
119.12 *5*	11.3 *10*	^{190}Re(3.2 h) - 0
119.7 *1*	6.1 *6*	^{147}Tb(1.7 h) - 1152.4, 694.4, 139.9
119.80 *9*	†449 *31*	^{184}Ir(3.09 h) - 263.97, 390.38, 961.22
120.1 *3*		^{196}Tl(1.41 h) - 426.0, 635.5, 695.6
120.19 *10*	15	^{170}Hf(16.01 h) - 164.71, 620.7, 572.9
120.90 *2*	0.0342 *5*	^{234}U(2.455×10^{5} y) - 53.20, 454.95, 508.20
121.1155 *11*	17.2 *3*	^{75}Se(119.779 d) - 264.6576, 136.0001, 279.5422
121.220 *17*	0.0028	^{147}Pm(2.6234 y) - 197.299, 76.073
121.220 *17*	22.9 *8*	^{147}Eu(24.1 d) - 197.299, 677.516, 1077.043
121.6211 *5*	3.42 *22*	^{177}Yb(1.911 h) - 150.392, 1080.21, 1241.2
121.6211 *5*	5.91 *15*	^{177}Lu(160.4 d) - 413.6636, 319.0205, 171.8576
121.7817 *3*	28.58 *6*	^{152}Eu(13.537 y) - 1408.006, 964.079, 1112.074
121.7817 *3*	7.00 *21*	^{152}Eu(9.3116 h) - 841.570, 963.390, 1389.00
122.0 *1*	†~320	^{171}Hf(12.1 h) - 662.2, 347.18, 1071.8
122.0614 *4*	85.60 *17*	^{57}Co(271.79 d) - 136.4743, 14.41300, 692.03
122.30 *7*	0.603 *6*	^{186}Re(3.7183 d)
122.370 *22*	64.2 *23*	^{90}Mo(5.56 h) - 257.34, 203.13, 323.20
122.78 *3*	0.0283 *8*	^{195}Hg(41.6 h) - 261.75, 560.27, 387.87
122.793 *3*	27.6 *11*	^{179}Hf(25.05 d) - 453.43, 362.39, 146.15
123.071 *1*	40.79 *25*	^{154}Eu(8.593 y) - 184.810, 81.99
123.071 *1*	30 *4*	^{154}Tb(9.4 h) - 247.925, 540.18, 649.564
123.071 *1*	26 *4*	^{154}Tb(21.5 h) - 1274.436, 2187.10, 722.12
123.071 *1*	43 *8*	^{154}Tb(22.7 h) - 247.925, 346.643, 1419.81
123.3790 *20*	0.45 *5*	^{179}Lu(4.59 h) - 214.335, 214.930, 337.713
123.672 *13*	83 *3*	^{173}Hf(23.6 h) - 296.974, 139.634, 311.239
123.805 *3*	28.97 *23*	^{131}Ba(11.50 d) - 496.326, 216.078, 373.246
124.015 *6*	9.1 *3*	^{171}Er(7.516 h) - 308.31, 295.901, 111.621
124.70 *5*	11.37 *13*	^{127}Cs(6.25 h) - 411.95, 462.31, 587.01
125.3581 *9*	0.019	^{185}W(75.1 d)
125.812 *3*	11.3 *6*	^{172}Hf(1.87 y) - 23.9331, 67.35, 81.7513
125.95 *1*	1.28×10^{-7} *2*	^{55}Fe(2.73 y)
126.05 *3*	7.8 *5*	^{100}Pd(3.63 d) - 84.02, 74.78, 42.10
127.164 *3*	16.7 *3*	^{57}Ni(35.60 h) - 1377.63, 1919.52, 1757.55
127.226 *9*	68.0 *7*	^{101}Rh(3.3 y) - 197.99, 325.23, 295.01
127.226 *9*	0.637 *16*	^{101}Rh(4.34 d) - 306.857, 545.117, 179.636
127.5021 *28*	13	^{134}Cs(2.903 h) - 11.242, 138.733
129.065 *1*	0.0682 *4*	^{232}U(68.9 y) - 57.766, 270.245, 328.000
129.14 *9*	5.51 *17*	^{129}Ba(2.23 h) - 214.30, 220.83, 554.1
129.297 *2*	0.00631 *6*	^{239}Pu(24110 y) - 51.624, 38.661, 375.045
129.421 *15*	29.0 *17*	^{191}Os(15.4 d) - 82.407, 41.86, 47.05
129.5 *2*	0.084 *5*	^{195}Pt(4.02 d) - 98.85, 129.70, 30.898
129.64 *4*	81	^{77}Kr(74.4 m) - 146.59, 311.86, 276.0
129.70 *5*	1.2 *calc*	^{195}Ir(2.5 h) - 98.85, 211.407, 30.898
129.70 *5*	2.83 *15*	^{195}Pt(4.02 d) - 98.85, 30.898, 129.5
129.70 *5*	0.818 *22*	^{195}Au(186.09 d) - 98.85, 30.898, 211.407
129.820 *12*	0.300 *8*	^{85}Kr(4.480 h) - 304.87
129.820 *12*	>4.3×10^{-7}	^{85}Kr(10.756 y) - 514.0067, 362.81, 151.159
129.820 *12*	0.15 *4*	^{85}Sr(67.63 m) - 151.159, 731.812, 450.85
130.1 *3*	3.4 *7*	^{251}Bk(55.6 m) - 177.7, 152.8, 163.8
130.2 *1*	0.105 *4*	^{197}Pt(95.41 m) - 346.5, 53.10
130.2 *1*	0.273 *9*	^{197}Hg(23.8 h) - 279.01, 201.6, 77.351
130.414 *15*	0.209 *15*	^{134}Ce(3.16 d) - 162.306, 300.884, 31.89
130.59 *3*	0.119 *11*	^{219}Rn(3.96 s) - 271.23, 401.81, 293.54
130.803 *10*	17.9 *4*	^{133}Ce(4.9 h) - 477.22, 510.36, 58.39
131.00 *2*	0.63 *6*	^{222}Fr(14.2 m) - 206.17, 111.12, 242.11
131.00 *2*	0.278 *13*	^{226}Th(30.57 m) - 111.12, 242.11, 206.17
131.30 *1*	18	^{234}Pa(6.70 h) - 946.00, 883.24, 569.5
131.613 *4*	16.3 *8*	^{224}Fr(3.33 m) - 215.983, 836.90, 1340.70
131.613 *4*	26.9 *6*	^{224}Ac(2.78 h) - 215.983, 84.373, 205.93
131.613 *4*	0.1305 *18*	^{228}Th(1.9131 y) - 84.373, 215.983, 166.410
132.413 *7*	3.86 *20*	^{241}Cm(32.8 d) - 471.805, 430.634, 205.879
132.99 *3*	2.77 *14*	^{245}Cm(8500 y) - 174.94, 41.95, 189.82
133.024 *17*	43.3 *5*	^{181}Hf(42.39 d) - 482.182, 345.916, 136.266
133.23 *12*	2.9 *5*	^{200}Au(18.7 h) - 332.82, 146.07, 59.97

Energy	Intensity	Parent - Associated γ-rays
133.515 *2*	11.09 *11*	^{144}Ce(284.893 d) - 80.120, 40.98, 33.568
133.99 *7*	33	^{197}Hg(23.8 h) - 279.01, 130.2, 201.6
134.243 *6*	8.85 *16*	^{187}W(23.72 h) - 685.774, 479.531, 72.001
135.34 *4*	2.565 *18*	^{201}Tl(72.912 h) - 167.43, 32.19, 30.60
135.50 *3*	0.112	^{193}Pt(4.33 d) - 12.634, 1.642
135.6 *1*	0.47 *5*	^{86}Zr(16.5 h) - 242.80, 29.10, 612.00
135.90 *9*	3.24 *19*	^{200}Pt(12.5 h) - 76.21, 243.71, 59.97
136.0001 *6*	58.3 *7*	^{75}Se(119.779 d) - 264.6576, 279.5422, 121.1155
136.266 *13*	5.85 *19*	^{181}Hf(42.39 d) - 482.182, 133.024, 345.916
136.266 *13*	0.0311 *10*	^{181}W(121.2 d) - 6.238, 152.315
136.4743 *5*	10.68 *8*	^{57}Co(271.79 d) - 122.0614, 14.41300, 692.03
137.157 *8*	9.42 *6*	^{186}Re(3.7183 d) - 122.30
137.157 *8*	41	^{186}Ir(16.64 h) - 296.90, 434.84, 773.28
137.157 *8*	23.0 *23*	^{186}Ir(1.90 h) - 1.5, 767.497, 630.34
138.733 *11*	0.00391 *25*	^{134}Cs(2.903 h) - 127.5021, 11.242
138.938 *5*	4.27 *20*	^{193}Os(30.11 h) - 460.547, 73.042, 557.429
139.03 *5*	13.9 *10*	^{252}Es(471.7 d) - 924.12, 800.01, 785.09
139.1 *2*	44.6 *20*	^{184}Hf(4.12 h) - 344.9, 181.0, 41.4
139.634 *8*	12.7 *3*	^{173}Hf(23.6 h) - 123.672, 296.974, 311.239
139.9 *1*	27.46 *20*	^{147}Tb(1.7 h) - 1152.4, 694.4, 119.7
140.511 *1*	89.43 *23*	^{99}Mo(65.94 h) - 739.50, 181.063, 777.921
140.511 *1*	89	^{99}Tc(6.01 h) - 142.628, 2.1726
140.7 *1*	0.32 *3*	^{224}Ac(2.78 h) - 156.82, 144.44, 261.3
140.86 *2*	0.021 *4*	^{232}Th(1.405×10^{10} y) - 63.83
141.178 *15*	66.8 *7*	^{90}Nb(14.60 h) - 1129.224, 2318.968, 2186.242
141.2	0.0016	^{210}At(8.1 h) - 82.802, 106, 167
141.3147 *22*	6.6 *5*	^{75}Br(96.7 m) - 286.572, 427.883, 377.385
142.628 *29*	0.0187 *18*	^{99}Tc(6.01 h) - 140.511, 2.1726
142.652 *2*	1.02 *4*	^{59}Fe(44.503 d) - 1099.251, 1291.596, 192.349
143.249 *20*	0.43 *2*	^{237}Np(2.144×10^{6} y) - 29.374, 86.477, 94.66
143.764 *2*	10.96 *8*	^{235}U(7.038×10^{8} y) - 185.712, 163.358, 205.309
143.87 *1*	0.0488 *22*	^{230}Th(7.538×10^{4} y) - 67.67, 253.73, 186.05
144.232 *10*	3.22 *7*	^{223}Ra(11.435 d) - 269.459, 154.21, 323.871
144.44 *5*	0.205 *18*	^{224}Ac(2.78 h) - 156.82, 140.7, 261.3
144.780 *25*	3.9×10^{-7}	^{125}Te(57.40 d) - 35.4919, 109.276
144.863 *5*	0.328 *11*	^{175}Yb(4.185 d) - 396.329, 282.522, 113.805
144.99 *6*	0.192 *24*	^{253}Fm(3.00 d) - 271.8, 62.47, 405
145.04 *13*	83	^{72}Zn(46.5 h) - 191.96, 16.4, 103.14
145.252 *10*	4.29 *13*	^{127}Xe(36.4 d) - 202.860, 172.132, 374.991
145.4405 *28*	48.2 *3*	^{141}Ce(32.501 d)
145.4405 *28*	0.239 *24*	^{141}Nd(2.49 h) - 1126.8, 1292.6, 1147.2
145.544 *10*		^{241}Cm(32.8 d) - 471.805, 430.634, 205.879
146 *5*	0.0035	^{246}Cf(35.7 h) - 42.13, 96
146.07 *20*	3.5 *5*	^{200}Au(18.7 h) - 332.82, 59.97, 133.23
146.15 *7*	27.0 *11*	^{179}Hf(25.05 d) - 453.43, 362.39, 122.793
146.212	0.089 *6*	^{44}Ti(63 y) - 78.337, 67.875
146.345 *2*	†35 *5*	^{229}Ac(62.7 m) - 164.522, 569.1, 261.92
146.345 *2*	0.098 *6*	^{229}Pa(1.50 d) - 40.09, 64.70, 75.12
146.4 *5*	0.21 *3*	^{146}Pm(5.53 y) - 453.88, 735.72, 589.3
146.4 *5*		^{239}Cm(2.9 h) - 187.1, 41
146.4 *5*	0.012 *5*	^{243}Bk(4.5 h) - 187.1, 536, 41
146.59 *4*	37.3 *16*	^{77}Kr(74.4 m) - 129.64, 311.86, 276.0
147.48 *4*	0.0031 *3*	^{227}Ac(21.773 y) - 100, 69.21, 160.26
147.63 *2*	37.7 *10*	^{200}Pb(21.5 h) - 257.17, 235.63, 268.38
147.81 *2*	43	^{196}Au(9.6 h) - 188.27, 168.37, 285.49
148.193 *27*	28.3 *5*	^{103}Ag(65.7 m) - 118.72, 266.86, 1273.83
148.567 *10*	.0001855 *20*	^{241}Pu(14.35 y) - 103.680, 77.10, 159.955
148.612 *4*	2.62 *9*	^{122}Xe(20.1 h) - 350.065, 416.633, 90.596
148.7 *1*	0.011	^{190}Ir(3.25 h) - 616.08, 502.53, 361.136
148.9 *2*	49	^{123}Xe(2.08 h) - 178.1, 330.2, 1093.4
149.735 *3*	48.2 *3*	^{149}Gd(9.28 d) - 298.634, 346.651, 748.601
150.0 *2*	0.07 *3*	^{221}Fr(4.9 m) - 218.19, 410.7, 99.5
150.04 *2*	0.80 *3*	^{225}Ac(10.0 d) - 99.91, 99.63, 188.00
150.059 *3*	10.8 *5*	^{232}Pa(1.31 d) - 969.315, 894.351, 453.655
150.392 *3*	20.3 *11*	^{177}Yb(1.911 h) - 1080.21, 1241.2, 121.6211
150.824 *13*	0.0028	^{111}In(2.8047 d) - 245.395, 171.28
151.159 *6*	75.0 *4*	^{85}Kr(4.480 h) - 304.87
151.159 *6*	2.2×10^{-6} *13*	^{85}Kr(10.756 y) - 514.0067, 362.81, 129.820
151.159 *6*	0.0012 *9*	^{85}Sr(64.84 d) - 514.0067, 868.5, 362.81
151.159 *6*	12.9 *3*	^{85}Sr(67.63 m) - 129.820, 731.812, 450.85
152.22 *7*	7.3 *5*	^{197}Tl(2.84 h) - 425.84, 1411.34, 577.97
152.315 *17*	0.0083 *3*	^{181}W(121.2 d) - 6.238, 136.266
152.63 *2*	0.00098 *5*	^{244}Cm(18.10 y) - 42.824, 98.860, 554.60
152.720 *2*	0.000937 *10*	^{238}Pu(87.7 y) - 43.498, 99.853, 766.38
152.8 *2*	2.23 *15*	^{251}Bk(55.6 m) - 177.7, 130.1, 163.8
152.8 *2*	0.91 *10*	^{251}Es(33 h) - 177.7, 163.8, 34.0
152.9 *2*	25 *3*	^{246}Am(39 m) - 679.0, 205.0, 756
153.4 *1*	0.259 *20*	^{220}Fr(27.4 s) - 413.0, 234.5, 178.4
153.59 *3*	66 *3*	^{119}Te(4.70 d) - 1212.73, 270.53, 1136.75
153.60 *1*	6.20 *3*	^{151}Gd(124 d) - 243.282, 174.70, 21.542
153.863 *2*	16 *3*	^{244}Am(10.1 h) - 743.971, 897.848, 99.383
154.21 *1*	5.62 *14*	^{223}Ra(11.435 d) - 269.459, 323.871, 144.232
154.23 *3*	0.125 *7*	^{230}U(20.8 d) - 72.20, 230.37, 158.18
154.35 *6*	0.0010 *3*	^{254}Fm(3.240 h) - 99.163, 42.723
154.57 *2*	47	^{146}Gd(48.27 d) - 115.51, 114.71, 576.0
155.0 *4*	~0.0019	^{252}Cf(2.645 y) - 43.38, 100.4
155.032 *12*	15.1 *5*	^{188}Re(17.005 h) - 632.99, 477.99, 931.34
155.032 *12*	29.7 *24*	^{188}Ir(41.5 h) - 2214.62, 632.99, 477.99
155.16 *12*	0.097	^{192}Ir(241 y)
155.37 *4*	10.5 *5*	^{132}Ce(3.51 h) - 182.11, 216.83, 190.04
156.02 *3*	2.113 *6*	^{117}Sn(13.60 d) - 158.562, 314.3
156.088 *2*	7.0 *10*	^{182}Hf(9×10^{6} y) - 270.4031, 114.3152, 172.5708
156.82 *5*	0.74 *5*	^{224}Ac(2.78 h) - 140.7, 144.44, 261.3
157.2 *3*	7	^{192}Hg(4.85 h) - 274.8, 306.5, 186.4
157.41 *4*	0.241 *4*	^{101}Rh(4.34 d) - 306.857, 545.117, 127.226
157.42 *5*	0.0014 *2*	^{242}Cm(162.8 d) - 44.08, 101.90, 561.11
158.18 *3*	17.5 *5*	^{226}Ac(29.37 h) - 253.73, 186.05, 67.67
158.18 *3*	0.070 *5*	^{230}U(20.8 d) - 72.20, 154.23, 230.37
158.260 *4*	0.290 *10*	^{135}Xe(9.14 h) - 249.770, 608.151, 408.009
158.35 *2*	4.0	^{236}Np(1.54×10^{5} y) - 160.308, 104.234, 45.242
158.37947 *9*	40.0 *3*	^{199}Au(3.139 d) - 208.20597, 49.82680
158.37947 *9*	4.96 *25*	^{199}Tl(7.42 h) - 455.46, 208.20597, 247.26
158.38 *3*	98.8 *10*	^{56}Ni(6.077 d) - 811.85, 749.95, 269.50
158.562 *12*	16	^{117}In(116.2 m) - 315.302
158.562 *12*	86	^{117}Sn(13.60 d) - 156.02, 314.3
158.562 *12*	86	^{117}Sb(2.80 h) - 861.35, 1004.51, 1021.0
158.80 *8*	0.00045 *15*	^{242}Pu(3.733×10^{5} y) - 44.915, 103.50
158.97 *5*	84	^{123}Te(119.7 d) - 88.46, 247.5
158.97 *5*	83	^{123}I(13.27 h) - 528.96, 440.02, 538.54
159.377 *12*	68.3 *4*	^{47}Sc(3.3492 d)
159.955 *20*	6.54×10^{-6} *15*	^{241}Pu(14.35 y) - 148.567, 103.680, 77.10
160.26 *5*	0.0058 *6*	^{227}Ac(21.773 y) - 100, 69.21, 147.48
160.308 *3*	32	^{236}Np(1.54×10^{5} y) - 104.234, 45.242, 104.1
160.308 *3*	0.000402 *3*	^{240}Pu(6563 y) - 45.242, 104.234, 212.46
160.32 *9*	0.97 *11*	^{137}Pr(1.28 h) - 836.7, 433.9, 514.0
160.33 *5*	0.00191 *9*	^{123}Sn(129.2 d) - 1088.64, 1030.23, 1021.00
160.4 *1*	4.9 *5*	^{173}Ta(3.14 h) - 172.2, 69.70, 90.3
160.613 *8*	0.066 *5*	^{133}Xe(5.243 d) - 80.9971, 79.6139, 302.853
160.7 *1*	0.379 *20*	^{220}Fr(27.4 s) - 413.0, 234.5, 178.4
161.269 *9*	6.49 *12*	^{184}Re(169 d) - 252.848, 216.548, 920.932
161.3467 *5*	8.9 *3*	^{183}Ta(5.1 d) - 246.0591, 353.9912, 107.9322
162.306 *10*	0.230 *16*	^{134}Ce(3.16 d) - 130.414, 300.884, 31.89
162.3219 *5*	23.3 *4*	^{183}Re(70.0 d) - 46.4839, 291.7238, 208.8057
162.660 *1*	6.22 *7*	^{140}Ba(12.752 d) - 537.261, 29.9640, 304.849
163.24 *4*	0.024	^{242}Am(141 y) - 49.367, 86.68, 109.69
163.358 *2*	5.08 *4*	^{235}U(7.038×10^{8} y) - 185.712, 143.764, 205.309
163.8 *2*	0.35 *7*	^{251}Bk(55.6 m) - 177.7, 130.1, 152.8
163.8 *2*	~0.10	^{251}Es(33 h) - 177.7, 152.8, 34.0
163.930 *8*	1.91 *6*	^{131}Xe(11.84 d)
164.522 *2*	†100 *10*	^{229}Ac(62.7 m) - 569.1, 261.92, 146.345
164.61 *2*	1.86 *3*	^{237}U(6.75 d) - 59.5412, 208.00, 26.3448
164.71 *10*	26	^{170}Hf(16.01 h) - 620.7, 120.19, 572.9
164.8 *2*	0.0084 *18*	^{245}Bk(4.94 d) - 205.879, 471.805, 430.634
164.97 *7*	0.26	^{197}Hg(23.8 h) - 279.01, 130.2, 201.6
164.98 *2*	26.4 *3*	^{149}Tb(4.118 h) - 352.24, 388.57, 652.12
165.049 *8*	2.97 *20*	^{241}Cm(32.8 d) - 471.805, 430.634, 205.879
165.8452 *24*	12.7 *20*	^{156}Sm(9.4 h) - 87.4897, 203.818, 37.9681
165.864 *6*	23.7 *24*	^{139}Ba(83.06 m) - 1420.5, 1254.7, 1310.6
165.864 *6*	80 *calc*	^{139}Ce(137.640 d)
166.0 *3*	0.00066	^{236}Pu(2.858 y) - 47.574, 108.96, 643.5
166.410 *4*	0.1036 *15*	^{228}Th(1.9131 y) - 84.373, 215.983, 131.613
167 *2*	0.0028	^{210}At(8.1 h) - 82.802, 106, 141.2
167.43 *7*	10	^{201}Tl(72.912 h) - 135.34, 32.19, 30.60
167.75 *2*	8.3 *5*	^{151}Pm(28.40 h) - 340.08, 275.21, 717.72

Energy	Intensity	Parent - Associated γ-rays
167.844 *12*	8.81 *8*	^{183}Os(13.0 h) - 381.768, 114.463, 851.474
167.90 *2*	0.07	^{211}Rn(14.6 h) - 68.573, 236.48
168.37 *2*	7.6 *4*	^{196}Au(9.6 h) - 147.81, 188.27, 285.49
168.688 *2*	99.2 *19*	^{52}Fe(8.275 h) - 377.748, 1727.57, 1039.928
169.2 *1*	0.115 *8*	^{240}U(14.1 h) - 44.10, 189.7, 66.5
169.26 *4*	0.44 *3*	^{137}Ce(34.4 h) - 824.82, 762.3, 835.38
170.4511 *16*	6.3 *3*	^{153}Tb(2.34 d) - 212.0040, 109.7601, 102.2564
170.71 *5*	0.0697 *21*	^{183}Os(9.9 h) - 1101.94, 1107.92, 1034.85
171.28 *3*	90 *calc*	^{111}In(2.8047 d) - 245.395, 150.824
171.393 *13*	2.90 *11*	^{173}Lu(1.37 y) - 272.105, 78.63, 100.724
171.8576 *8*	4.81 *12*	^{177}Lu(160.4 d) - 413.6636, 319.0205, 121.6211
172.132 *10*	25.5 *8*	^{127}Xe(36.4 d) - 202.860, 374.991, 145.252
172.18 *8*	34	^{111}Pd(5.5 h)
172.2 *1*	18	^{173}Ta(3.14 h) - 69.70, 90.3, 160.4
172.5708 *22*	0.20 *4*	^{182}Hf(9×10^{6} y) - 270.4031, 156.088, 114.3152
172.6 *2*	16	^{256}Es(7.6 h) - 861.8, 231.1, 1092.9
173.4 *1*	18	^{198}Pb(2.40 h) - 290.3, 365.4, 865.3
173.52 *5*	2.7	^{193}Au(17.65 h) - 186.17, 255.57, 268.22
173.7 *1*	8.8 *6*	^{132}I(1.387 h) - 98.0, 22
174.70 *1*	2.96 *6*	^{151}Gd(124 d) - 153.60, 243.282, 21.542
174.94 *4*	10	^{245}Cm(8500 y) - 132.99, 41.95, 189.82
174.954 *5*	82.00 *25*	^{71}As(65.28 h) - 1095.490, 499.876, 326.785
175.361 *5*	7.48 *9*	^{48}Sc(43.67 h) - 1312.096, 983.517, 1037.599
175.4 *3*	10.1 *12*	^{80}Sr(106.3 m) - 589.0, 553.4, 378.8
176.6 *1*	17.7 *15*	^{251}Cf(898 y) - 227.0, 285.0, 61.5
176.645 *2*	0.470 *11*	^{174}Lu(142 d) - 272.918, 992.128, 76.471
177.21402 *6*	22.16 *18*	^{169}Yb(32.026 d) - 63.12077, 197.95788, 109.77987
177.30 *10*	0.056 *6*	^{254}Es(39.3 h) - 211.80, 71.30, 104.0
177.595 *17*	48.6 *20*	^{208}At(1.63 h) - 686.527, 660.040, 845.044
177.7 *2*	6	^{251}Bk(55.6 m) - 130.1, 152.8, 163.8
177.7 *2*	2.4	^{251}Es(33 h) - 152.8, 163.8, 34.0
178.1 *2*	14.9 *7*	^{123}Xe(2.08 h) - 148.9, 330.2, 1093.4
178.4 *2*	0.025 *3*	^{220}Fr(27.4 s) - 413.0, 234.5, 44.60
179.4 *1*	8.7 *7*	^{257}Fm(100.5 d) - 241.0, 61.6, 104.4
179.636 *15*	0.532 *12*	^{101}Rh(4.34 d) - 306.857, 545.117, 127.226
179.94 *2*	9.7 *5*	^{246}Pu(10.84 d) - 43.81, 223.75, 27.58
180.103 *1*	7.45 *15*	^{155}Tb(5.32 d) - 86.545, 105.305, 262.322
180.11 *4*	1.90 *9*	^{195}Hg(9.9 h) - 779.80, 61.46, 585.13
180.230 *11*	33.5 *16*	^{182}Os(22.10 h) - 510.056, 263.285, 55.506
180.31 *5*	50 *3*	^{198}Au(2.27 d) - 214.841, 97.1949, 204.10
181.0 *2*	13.8 *13*	^{184}Hf(4.12 h) - 139.1, 344.9, 41.4
181.063 *8*	5.99 *7*	^{99}Mo(65.94 h) - 140.511, 739.50, 777.921
181.3 *5*	0.41 *11*	^{257}Md(5.52 h) - 371.4, 325.1, 388.5
181.528 *4*	20.6 *4*	^{172}Lu(6.70 d) - 1093.657, 900.724, 810.064
181.930 *4*	9.9 *3*	^{158}Tb(180 y) - 944.09, 962.06, 79.5104
182.11 *3*	77	^{132}Ce(3.51 h) - 155.37, 216.83, 190.04
182.20 *20*	1.84 *18*	^{157}Dy(8.14 h) - 326.16, 83.01, 60.82
182.25 *2*	0.9 *calc*	^{131}Te(30 h)
182.32 *5*	†100	^{129}Ba(2.16 h) - 1459.1, 202.38, 419.83
184.285 *1*	17.45 *16*	^{168}Tm(93.1 d) - 198.241, 815.990, 447.515
184.410 *6*	72.6 *7*	^{166}Ho(1200 y) - 810.276, 711.683, 280.459
184.410 *6*	16.1 *3*	^{166}Tm(7.70 h) - 778.817, 2052.36, 1273.540
184.564 *4*	3.37 *6*	^{155}Dy(9.9 h) - 226.918, 1089.8, 1090.0
184.577 *10*	48.7 *3*	^{67}Cu(61.83 h) - 93.311, 91.266, 300.219
184.577 *10*	21.2 *3*	^{67}Ga(3.2612 d) - 93.311, 300.219, 393.529
184.810 *25*	0.0042 *11*	^{154}Eu(8.593 y) - 81.99
185.005 *3*	28.6 *17*	^{162}Ho(67.0 m) - 1220.0, 282.864, 937.2
185.712 *1*	57.2 *5*	^{235}U(7.038×10^{8} y) - 143.764, 163.358, 205.309
185.85 *3*	1.89 *4*	^{189}Re(24.3 h) - 216.663, 219.395, 245.09
186.05 *1*	4.8 *3*	^{226}Ac(29.37 h) - 253.73, 67.67
186.05 *1*	0.0088 *4*	^{230}Th(7.538×10^{4} y) - 67.67, 143.87, 253.73
186.17 *3*	9.4 *5*	^{193}Au(17.65 h) - 255.57, 268.22, 173.52
186.211 *13*	3.59 *6*	^{226}Ra(1600 y) - 262.27, 600.66, 414.60
186.4 *3*	3.3 *6*	^{192}Hg(4.85 h) - 274.8, 157.2, 306.5
186.718 *2*	27.8 *12*	^{190}Re(3.2 h) - 119.12, 0
186.718 *2*	52.4 *21*	^{190}Ir(11.78 d) - 605.24, 518.55, 557.972
186.718 *2*	66.3 *6*	^{190}Ir(3.25 h) - 616.08, 502.53, 361.136
187.1 *5*		^{239}Cm(2.9 h) - 146.4, 41
187.1 *5*	0.060 *15*	^{243}Bk(4.5 h) - 536, 146.4, 41
187.59 *10*	19.4 *10*	^{188}Pt(10.2 d) - 195.05, 381.43, 423.34
188.00 *5*	0.54 *3*	^{225}Ac(10.0 d) - 99.91, 150.04, 99.63
188.01 *4*	0.00023 *12*	^{184}Re(169 d) - 252.848, 216.548, 920.932
188.27 *3*	37.4 *17*	^{196}Au(9.6 h) - 147.81, 168.37, 285.49
188.418 *4*	54	^{125}Xe(16.9 h) - 243.378, 54.968, 453.796
189.7 *1*	0.24 *1*	^{240}U(14.1 h) - 44.10, 66.5, 169.2
189.82 *6*	0.193 *12*	^{245}Cm(8500 y) - 174.94, 132.99, 41.95
190.04 *5*	2.67 *12*	^{132}Ce(3.51 h) - 182.11, 155.37, 216.83
190.29 *3*	15.56 *15*	^{114}In(49.51 d) - 725.298, 558.456
190.46 *16*	64.0 *14*	^{81}Rb(4.576 h) - 446.15, 510.31, 456.76
191.2137 *15*	20.6 *5*	^{169}Lu(34.06 h) - 960.622, 1449.74, 889.753
191.437 *10*	3.7	^{197}Pt(19.8915 h) - 77.351, 268.78
191.437 *10*	0.632 *21*	^{197}Hg(64.14 h) - 77.351, 268.78
191.96 *9*	9.37 *17*	^{72}Zn(46.5 h) - 145.04, 16.4, 103.14
192.349 *5*	3.08 *10*	^{59}Fe(44.503 d) - 1099.251, 1291.596, 142.652
193.509 *4*	4.4	^{229}Th(7340 y) - 210.853, 86.40, 86.25
195.0 *1*	22.6 *10*	^{209}At(5.41 h) - 545.0, 781.9, 790.2
195.05 *10*	18.6 *10*	^{188}Pt(10.2 d) - 187.59, 381.43, 423.34
196.301 *10*	25.98 *17*	^{88}Kr(2.84 h) - 2392.11, 2195.842, 834.830
196.56 *3*	4.59 *14*	^{129}Xe(8.88 d) - 39.578
197.299 *12*	3.4×10^{-7} *6*	^{147}Pm(2.6234 y) - 121.220, 76.073
197.299 *12*	27	^{147}Eu(24.1 d) - 121.220, 677.516, 1077.043
197.3 *3*	87.0 *11*	^{120}Sb(5.76 d) - 1171.3, 1023.1, 89.9
197.95788 *6*	35.8 *3*	^{169}Yb(32.026 d) - 63.12077, 177.21402, 109.77987
197.99 *6*	73	^{101}Rh(3.3 y) - 127.226, 325.23, 295.01
198.241 *1*	52.39 *16*	^{168}Tm(93.1 d) - 815.990, 447.515, 184.285
198.6060 *12*	1.19 *3*	^{75}Ge(82.78 m) - 264.6576, 468.6, 419.1
199.2132 *10*	40.9 *22*	^{156}Tb(5.35 d) - 534.318, 1222.36, 88.9667
199.50 *5*	0.55 *3*	^{138}Nd(5.04 h) - 325.76, 341.65, 215.31
200.38 *4*	0.79 *8*	^{195}Hg(41.6 h) - 261.75, 560.27, 387.87
201.3112 *7*	0.472 *6*	^{192}Ir(73.831 d) - 205.79549, 484.5780, 374.4852
201.52 *6*	6.4 *18*	^{187}Pt(2.35 h) - 106.46, 110.04, 709.17
201.6 *3*	0.034 *5*	^{197}Pt(95.41 m) - 346.5, 53.10
201.6 *3*	0.089 *13*	^{197}Hg(23.8 h) - 279.01, 130.2, 77.351
201.83 *3*	86 *5*	^{176}Lu(3.78×10^{10} y) - 306.78, 88.34, 400.99
201.83 *3*	>0.0007	^{176}Lu(3.635 h) - 88.34, 1159.28, 1061.61
201.83 *3*	6	^{176}Ta(8.09 h) - 1159.28, 88.34, 1224.93
202.21 *5*	†4.7 *5*	^{224}Rn(107 m) - 260.581, 265.806, 328.331
202.38 *7*	†33.7 *6*	^{129}Ba(2.16 h) - 182.32, 1459.1, 419.83
202.51 *3*	97.3 *4*	^{90}Y(3.19 h) - 479.17, 681.8
202.8 *1*	†30.8 *10*	^{230}Ra(93 m) - 72.0, 63.0, 469.7
202.860 *10*	0.0580 *21*	^{127}Te(9.35 h) - 417.95, 360.32, 215.17
202.860 *10*	68	^{127}Xe(36.4 d) - 172.132, 374.991, 145.252
203.13 *10*	6.4 *5*	^{90}Mo(5.56 h) - 257.34, 122.370, 323.20
203.5 *2*	74	^{109}In(4.2 h) - 623.7, 1148.9, 426.25
203.818 *3*	20.6 *20*	^{156}Sm(9.4 h) - 87.4897, 165.8452, 37.9681
204.10 *6*	40.8 *23*	^{198}Au(2.27 d) - 214.841, 97.1949, 180.31
204.117 *2*	0.028 *9*	^{95}Nb(34.975 d) - 765.794, 561.67
204.117 *2*	2.33 *7*	^{95}Nb(86.6 h) - 582.082, 786.198, 820.624
204.117 *2*	63.25 *13*	^{95}Tc(61 d) - 582.082, 835.149, 786.198
205.0 *10*	36 *4*	^{246}Am(39 m) - 679.0, 152.9, 756
205.309 *2*	5.01 *5*	^{235}U(7.038×10^{8} y) - 185.712, 143.764, 163.358
205.79549 *6*	3.300 *17*	^{192}Ir(73.831 d) - 484.5780, 374.4852, 201.3112
205.879 *13*	0.040 *6*	^{245}Bk(4.94 d) - 471.805, 164.8, 430.634
205.93 *5*	>0.32	^{224}Ac(2.78 h) - 156.82, 140.7, 144.44
206.17 *5*	50 *5*	^{222}Fr(14.2 m) - 111.12, 242.11, 131.00
206.17 *5*	0.189 *8*	^{226}Th(30.57 m) - 111.12, 242.11, 131.00
206.50 *4*	58	^{174}Ta(1.05 h) - 91.00, 1205.92, 1228.33
207.4 *3*	14.0 *8*	^{175}Ta(10.5 h) - 348.5, 266.9, 81.5
207.801 *5*	4.9 *3*	^{167}Ho(3.1 h) - 346.547, 321.336, 237.873
207.801 *5*	41 *6*	^{167}Tm(9.25 d) - 57.0723, 531.54, 264.9
207.849 *5*	0.0080 *16*	^{188}W(69.4 d) - 290.669, 227.083, 63.582
208.00 *1*	21.2 *3*	^{237}U(6.75 d) - 59.5412, 26.3448, 164.61
208.08 *3*	1.14 *9*	^{164}Tm(2.0 m) - 91.40, 1154.66, 768.91
208.20597 *11*	8.732 *12*	^{199}Au(3.139 d) - 158.37947, 49.82680
208.20597 *11*	12.3 *6*	^{199}Tl(7.42 h) - 455.46, 247.26, 158.37947
208.3664 *5*	11.0 *6*	^{177}Lu(6.734 d) - 112.9498, 321.3162, 249.6741
208.3664 *5*	57.7 *11*	^{177}Lu(160.4 d) - 228.4838, 378.5029, 418.5391
208.3664 *5*	0.94 *8*	^{177}Ta(56.56 h) - 112.9498, 1057.8, 745.9
208.8057 *6*	2.95 *5*	^{183}Re(70.0 d) - 162.3219, 46.4839, 291.7238
209.753 *2*	3.42 *5*	^{239}Np(2.3565 d) - 106.125, 277.599, 228.183
209.753 *2*	3.50 *20*	^{239}Am(11.9 h) - 49.10, 277.599, 228.183
209.753 *2*	3.29 *10*	^{243}Cm(29.1 y) - 277.599, 228.183, 285.460
210.4 *1*	2.8	^{186}Pt(2.2 h) - 689.4, 611.5, 635.3
210.853 *3*	2.8 *3*	^{229}Th(7340 y) - 193.509, 86.40, 86.25

Energy	Intensity	Parent - Associated γ-rays
211.03 *3*	30.8 *9*	^{77}Ge(11.30 h) - 264.44, 215.51, 416.33
211.15 *3*	12.2 *5*	^{161}Er(3.21 h) - 826.6, 592.6, 314.77
211.309 *7*	25.9 *10*	^{149}Nd(1.728 h) - 114.314, 270.166, 654.831
211.407 *2*	2.4 *calc*	^{195}Ir(2.5 h) - 98.85, 30.898, 129.70
211.407 *2*	0.0109 *11*	^{195}Au(186.09 d) - 98.85, 129.70, 30.898
211.80 *10*	0.096 *10*	^{254}Es(39.3 h) - 177.30, 71.30, 104.0
212.0040 *14*	31.0 *15*	^{153}Tb(2.34 d) - 109.7601, 102.2564, 170.4511
212.189 *27*	81	^{121}Te(154 d) - 1102.149, 37.138, 998.291
212.189 *27*	84	^{121}I(2.12 h) - 532.08, 598.74, 475.28
212.46 *5*	2.9×10^{-5} *3*	^{240}Pu(6563 y) - 45.242, 104.234, 160.308
213.440 *3*	81.4 *11*	^{178}Hf(31 y) - 426.383, 325.562, 574.215
213.440 *3*	81.4 *11*	^{178}Ta(2.36 h) - 426.383, 325.562, 88.867
213.754 *5*	10.90 *22*	^{153}Dy(6.4 h) - 80.723, 99.659, 254.259
214.30 *7*	13.4 *4*	^{129}Ba(2.23 h) - 220.83, 129.14, 554.1
214.335 *3*	11.3 *11*	^{179}Lu(4.59 h) - 214.930, 123.3790, 337.713
214.841 *3*	77	^{198}Au(2.27 d) - 97.1949, 180.31, 204.10
214.930 *3*	0.46 *16*	^{179}Lu(4.59 h) - 214.335, 123.3790, 337.713
215.17 *13*	0.0387 *17*	^{127}Te(9.35 h) - 417.95, 360.32, 202.860
215.256 *2*	81.3 *7*	^{180}Hf(5.5 h) - 332.277, 443.09, 57.555
215.31 *6*	0.29 *3*	^{138}Nd(5.04 h) - 325.76, 199.50, 341.65
215.51 *3*	28.6 *9*	^{77}Ge(11.30 h) - 264.44, 211.03, 416.33
215.718 *24*	86	^{97}Ru(2.9 d) - 324.48, 569.31, 460.57
215.983 *5*	33.1 *16*	^{224}Fr(3.33 m) - 131.613, 836.90, 1340.70
215.983 *5*	52.3 *12*	^{224}Ac(2.78 h) - 131.613, 84.373, 205.93
215.983 *5*	0.254 *3*	^{228}Th(1.9131 y) - 84.373, 131.613, 166.410
216.078 *8*	19.66 *23*	^{131}Ba(11.50 d) - 496.326, 123.805, 373.246
216.548 *9*	9.43 *20*	^{184}Re(169 d) - 252.848, 920.932, 161.269
216.663 *24*	5.50 *14*	^{189}Re(24.3 h) - 219.395, 245.09, 185.85
216.83 *4*	4.95 *23*	^{132}Ce(3.51 h) - 182.11, 155.37, 190.04
217.6 *3*	†100	^{244}Bk(4.35 h) - 891.5, 921.5, 490.5
217.940 *18*	~0.8	^{231}U(4.2 d) - 25.646, 84.216, 58.570
218.19 *5*	11.6 *4*	^{221}Fr(4.9 m) - 410.7, 99.5, 150.0
218.221 *4*	0.933 *18*	^{158}Tb(180 y) - 944.09, 962.06, 79.5104
218.221 *4*	†1000 *4*	^{158}Ho(11.3 m) - 98.918, 945.61, 948.78
219.395 *21*	4.54 *10*	^{189}Re(24.3 h) - 216.663, 245.09, 185.85
220.83 *7*	8.5 *3*	^{129}Ba(2.23 h) - 214.30, 129.14, 554.1
220.94 *2*	0.0541 *6*	^{135}La(19.5 h) - 480.51, 874.51, 587.83
223.75 *2*	23.5 *18*	^{246}Pu(10.84 d) - 43.81, 179.94, 27.58
224.38 *10*	35	^{182}Hf(61.5 m) - 344.1, 506.60, 455.80
226.01 *4*	0.215 *5*	^{159}Gd(18.479 h) - 363.55, 58.00, 348.16
226.2 *3*	5.4 *8*	^{198}Tl(1.87 h) - 636.4, 411.80205, 587.2
226.378 *8*	3.30 *20*	^{239}Am(11.9 h) - 49.10, 277.599, 228.183
226.918 *4*	68.4 *12*	^{155}Dy(9.9 h) - 184.564, 1089.8, 1090.0
227.0 *10*	5.8 *16*	^{247}Am(23.0 m) - 285.0
227.0 *10*	6.3 *11*	^{251}Cf(898 y) - 176.6, 285.0, 61.5
227.083 *7*	0.221 *8*	^{188}W(69.4 d) - 290.669, 63.582, 207.849
228		^{202}Pt(44 h) - 244
228.16 *6*	88.0 *18*	^{132}Te(3.204 d) - 49.72, 116.30, 111.76
228.183 *1*	10.76 *18*	^{239}Np(2.3565 d) - 106.125, 277.599, 209.753
228.183 *1*	11.3 *6*	^{239}Am(11.9 h) - 49.10, 277.599, 226.378
228.183 *1*	10.6 *3*	^{243}Cm(29.1 y) - 277.599, 209.753, 285.460
228.4838 *6*	37.0 *7*	^{177}Lu(160.4 d) - 413.6636, 319.0205, 121.6211
228.56 *20*	0.000331 *14*	^{237}Pu(45.2 d) - 280.40, 298.89, 320.75
229.32 *2*	63 *3*	^{147}Gd(38.06 h) - 396.00, 929.01, 370.0
229.3207 *6*	26	^{182}Re(64.0 h) - 67.74970, 1121.3007, 1221.4066
229.50 *6*	0.106 *9*	^{128}Ba(2.43 d) - 273.44, 374.99, 359.10
229.6 *6*	0.683 *17*	^{175}Hf(70 d) - 343.40, 89.36, 433.0
230.37 *5*	27	^{226}Ac(29.37 h) - 253.73, 186.05, 67.67
230.37 *5*	0.122 *6*	^{230}U(20.8 d) - 72.20, 154.23, 158.18
231.1 *2*	19	^{256}Es(7.6 h) - 861.8, 172.6, 1092.9
231.15 *5*	0.7 *calc*	^{139}Nd(5.50 h) - 113.94, 737.96, 982.2
231.67 *1*	84.4 *16*	^{85}Sr(67.63 m) - 151.159, 129.820, 731.812
231.67 *1*	84 *6*	^{85}Y(2.68 h) - 504.45, 913.93, 409.5
231.67 *1*	22.8 *14*	^{85}Y(4.86 h) - 2123.8, 767.40, 535.61
232.72 *12*	8.5×10^{-6} *15*	^{99}Tc(6.01 h) - 140.511, 142.628, 2.1726
233.221 *18*	10	^{133}Xe(2.19 d)
233.6 *1*	19.6 *10*	^{126}Ba(100 m) - 257.6, 241.0, 681.8
233.6 *3*		^{255}Es(39.8 d) - 269.1, 35.7
234.5 *1*	0.011 *3*	^{220}Fr(27.4 s) - 413.0, 178.4, 44.60
234.81 *9*	3.0	^{223}Fr(21.8 m) - 50.13, 79.72, 49.89
235.63 *2*	4.30 *13*	^{200}Pb(21.5 h) - 147.63, 257.17, 268.38
235.69 *2*	0.294 *16*	^{95}Zr(64.02 d) - 756.729, 724.199
235.69 *2*	24.9 *8*	^{95}Nb(86.6 h)
235.971 *20*	12.3 *9*	^{227}Th(18.72 d) - 50.13, 256.25, 329.851
236.48 *1*	0.063 *9*	^{211}Rn(14.6 h) - 68.573, 167.90
237.873 *15*	5.0 *3*	^{167}Ho(3.1 h) - 346.547, 321.336, 207.801
238.632 *2*	43.3 *4*	^{212}Pb(10.64 h) - 300.087, 115.183, 415.2
238.75 *9*	44 *4*	^{181}Os(105 m) - 826.77, 118.03, 831.62
238.9 *4*	0.277 *5*	^{85}Sr(67.63 m) - 151.159, 129.820, 731.812
238.9963 *18*	1.6	^{77}As(38.83 h) - 520.639, 249.7862, 87.8671
238.9963 *18*	23	^{77}Br(57.036 h) - 520.639, 297.2151, 249.7862
240.0 *5*		^{196}Tl(1.41 h) - 426.0, 635.5, 695.6
240.86 *2*	0.34 *7*	^{245}Am(2.05 h) - 252.80, 295.72, 42.88
240.986 *6*	4.10 *5*	^{224}Ra(3.66 d) - 292.70, 645.50, 422.04
241.0 *1*	6.0 *5*	^{126}Ba(100 m) - 233.6, 257.6, 681.8
241.0 *1*	11.0 *6*	^{257}Fm(100.5 d) - 179.4, 61.6, 104.4
241.1 *1*	0.84 *15*	^{202}Pb(3.53 h) - 490.47, 459.72, 389.94
241.305 *5*	10.9 *3*	^{163}Tm(1.810 h) - 104.320, 69.229, 1434.45
241.56 *5*	2.92 *12*	^{92}Sr(2.71 h) - 1383.93, 953.31, 430.49
242.11 *2*	1.95 *20*	^{222}Fr(14.2 m) - 206.17, 111.12, 131.00
242.11 *2*	0.866 *40*	^{226}Th(30.57 m) - 111.12, 131.00, 206.17
242.15 *5*	4.3 *3*	^{195}Tl(1.16 h) - 563.52, 884.47, 1363.88
242.80 *10*	96	^{86}Zr(16.5 h) - 29.10, 612.00, 135.6
242.917 *7*	35.5 *7*	^{165}Tm(30.06 h) - 47.155, 297.369, 806.372
243.282 *12*	5.60 *3*	^{151}Gd(124 d) - 153.60, 174.70, 21.542
243.378 *5*	30.1 *6*	^{125}Xe(16.9 h) - 188.418, 54.968, 453.796
243.37 *6*	7.0 *10*	^{189}Pt(10.87 h) - 721.41, 94.33, 568.84
243.71 *3*	2.49 *16*	^{200}Pt(12.5 h) - 76.21, 135.90, 59.97
244		^{202}Pt(44 h) - 228
245.09 *3*	3.5 *4*	^{189}Re(24.3 h) - 216.663, 219.395, 185.85
245.09 *3*	6	^{189}Ir(13.2 d) - 69.537, 59.053, 36.202
245.31 *1*	79 *4*	^{210}At(8.1 h) - 82.802, 106, 167
245.395 *20*	1.33 *4*	^{111}Ag(7.45 d) - 342.13, 96.75, 620.26
245.395 *20*	94	^{111}In(2.8047 d) - 171.28, 150.824
246.0591 *5*	27 *4*	^{183}Ta(5.1 d) - 353.9912, 107.9322, 161.3467
247.26 *3*	9.3 *5*	^{199}Tl(7.42 h) - 455.46, 208.20597, 158.37947
247.5 *2*	0.00034 *3*	^{123}Te(119.7 d) - 158.97, 88.46
247.925 *6*	22.1 *20*	^{154}Tb(9.4 h) - 123.071, 540.18, 649.564
247.925 *6*	79 *9*	^{154}Tb(22.7 h) - 346.643, 1419.81, 123.071
248.58 *1*	3.42 *22*	^{158}Er(2.29 h) - 71.91, 386.84, 45.5
249.6741 *10*	0.212 *11*	^{177}Lu(6.734 d) - 208.3664, 112.9498, 321.3162
249.770 *4*	90	^{135}Xe(9.14 h) - 608.151, 408.009, 158.260
249.7862 *21*	0.394 *16*	^{77}As(38.83 h) - 238.9963, 520.639, 87.8671
249.7862 *21*	2.98 *7*	^{77}Br(57.036 h) - 238.9963, 520.639, 297.2151
251.863 *10*	26.3 *9*	^{151}Tb(17.609 h) - 287.357, 108.088, 587.46
252.4 *3*	8.5 *3*	^{127}Sb(3.85 d) - 685.7, 473.0, 783.7
252.80 *2*	6	^{245}Am(2.05 h) - 240.86, 295.72, 42.88
252.80 *2*	29.1 *19*	^{245}Bk(4.94 d) - 380.8, 385.0, 103.1
252.80 *2*	2.50 *8*	^{249}Cf(351 y) - 388.16, 333.37, 266.62
252.848 *5*	43 *3*	^{184}Ta(8.7 h) - 414.03, 920.932, 111.208
252.848 *5*	10.7 *3*	^{184}Re(169 d) - 216.548, 920.932, 161.269
253.678 *10*	99 *6*	^{118}Sb(5.00 h) - 1229.68, 1050.65, 40.8
253.73 *1*	5.7 *4*	^{226}Ac(29.37 h) - 186.05, 67.67
253.73 *1*	0.0111 *5*	^{230}Th(7.538×10^{4} y) - 67.67, 143.87, 186.05
254.259 *17*	8.58 *22*	^{153}Dy(6.4 h) - 80.723, 213.754, 99.659
254.29 *5*	11.0 *4*	^{137}Ce(34.4 h) - 824.82, 169.26, 762.3
254.4 *2*	13.3 *13*	^{185}Ir(14.4 h) - 1828.8, 60.0, 97.4
254.566 *23*	0.636 *12*	^{149}Eu(93.1 d) - 327.526, 277.089, 22.510
255.05 *3*	1.82 *6*	^{113}Sn(115.09 d) - 391.690, 638.02, 382.9
255.11 *2*	0.236 *7*	^{139}Pr(4.41 h) - 1347.33, 1630.67, 1375.56
255.57 *4*	6.2 *5*	^{193}Au(17.65 h) - 186.17, 268.22, 173.52
255.87 *8*	71 *5*	^{200}Au(18.7 h) - 332.82, 146.07, 59.97
256.25 *2*	7.0 *4*	^{227}Th(18.72 d) - 235.971, 50.13, 329.851
256.93 *13*	98	^{152}Dy(2.38 h)
257.17 *2*	4.46 *13*	^{200}Pb(21.5 h) - 147.63, 235.63, 268.38
257.34 *4*	78 *3*	^{90}Mo(5.56 h) - 122.370, 203.13, 323.20
257.6 *1*	7.6 *4*	^{126}Ba(100 m) - 233.6, 241.0, 681.8
257.99 *3*	9.0 *21*	^{193}Hg(3.80 h) - 381.60, 861.11, 1118.84
257.99 *3*	49 *5*	^{193}Hg(11.8 h) - 407.63, 573.25, 932.37
258.72 *2*	1.64 *3*	^{113}Ag(5.37 h) - 298.60, 316.21, 672.34
259.5 *1*	2.9 *5*	^{198}Tl(1.87 h) - 636.4, 411.80205, 587.2
260.48 *3*	0.7	^{209}Po(102 y) - 262.81
260.581 *17*	†21.5 *10*	^{224}Rn(107 m) - 265.806, 202.21, 328.331
260.890 *30*	1.94 *1*	^{115}Cd(53.46 h) - 336.240, 527.900, 492.3

Energy	Intensity	Parent - Associated γ-rays
260.9 *3*	1.29 *22*	^{198}Tl(1.87 h) - 636.4, 411.80205, 587.2
261.3 *2*	0.173 *14*	^{224}Ac(2.78 h) - 156.82, 140.7, 144.44
261.35 *7*	13	^{79}Kr(35.04 h) - 397.54, 606.09, 306.47
261.75 *4*	30.9 *25*	^{195}Hg(41.6 h) - 560.27, 387.87, 200.38
261.92 *5*	†39 *5*	^{229}Ac(62.7 m) - 164.522, 569.1, 146.345
262.27 *5*	0.0050 *5*	^{226}Ra(1600 y) - 186.211, 600.66, 414.60
262.322 *2*	5.29 *5*	^{155}Tb(5.32 d) - 86.545, 105.305, 180.103
262.81 *3*	0.225 *11*	^{209}Po(102 y) - 260.48
263.062 *5*	56.7 *14*	^{93}Mo(6.85 h) - 949.82, 689.07, 541.22
263.285 *10*	6.71 *21*	^{182}Os(22.10 h) - 510.056, 180.230, 55.506
263.7 *3*	0.0230 *7*	^{113}Cd(14.1 y)
263.97 *7*	†1000	^{184}Ir(3.09 h) - 119.80, 390.38, 961.22
264.44 *3*	54	^{77}Ge(11.30 h) - 211.03, 215.51, 416.33
264.6576 *9*	11	^{75}Ge(82.78 m) - 198.6060, 468.6, 419.1
264.6576 *9*	58.90 *18*	^{75}Se(119.779 d) - 136.0001, 279.5422, 121.1155
264.9	>0.07	^{167}Tm(9.25 d) - 207.801, 57.0723, 531.54
265 *10*	~30	^{247}Bk(1380 y) - 84.0
265.56 *2*	41.8 *13*	^{135}Ce(17.7 h) - 300.07, 606.76, 518.05
265.806 *17*	†20.1 *10*	^{224}Rn(107 m) - 260.581, 202.21, 328.331
265.832 *5*		^{210}Bi(5.013 d) - 304.896
265.832 *5*	50	^{210}Bi(3.04×10^{6} y) - 304.896, 649.42, 344.52
266.62 *2*	0.69 *3*	^{249}Cf(351 y) - 388.16, 333.37, 252.80
266.86 *4*	13.3 *4*	^{103}Ag(65.7 m) - 118.72, 148.193, 1273.83
266.9 *1*	7.3 *4*	^{93}Y(10.18 h) - 947.1, 1917.8, 680.2
266.9 *4*	10.8 *13*	^{175}Ta(10.5 h) - 207.4, 348.5, 81.5
268.218 *20*	15.6 *4*	^{135}Ba(28.7 h)
268.22 *5*	3.6 *3*	^{193}Au(17.65 h) - 186.17, 255.57, 173.52
268.38 *2*	3.96 *17*	^{200}Pb(21.5 h) - 147.63, 257.17, 235.63
268.78 *5*	0.231 *22*	^{197}Pt(19.8915 h) - 77.351, 191.437
268.78 *5*	0.0393 *19*	^{197}Hg(64.14 h) - 77.351, 191.437
~269.1		^{255}Es(39.8 d) - 233.6, 35.7
269.459 *10*	13.7 *3*	^{223}Ra(11.435 d) - 154.21, 323.871, 144.232
269.50 *2*	36.5 *8*	^{56}Ni(6.077 d) - 158.38, 811.85, 749.95
269.67 *7*	6.43 *12*	^{101}Pd(8.47 h) - 296.29, 590.44, 24.46
270.068 *11*	27.8 *9*	^{204}Po(3.53 h) - 883.984, 1016.31, 534.90
270.166 *7*	10.7 *3*	^{149}Nd(1.728 h) - 211.309, 114.314, 654.831
270.2 *2*	21.1 *23*	^{76}Kr(14.8 h) - 315.7, 45.48, 406.5
270.245 *2*	0.00316 *5*	^{232}U(68.9 y) - 57.766, 129.065, 328.000
270.4031 *20*	80 *5*	^{182}Hf(9×10^{6} y) - 156.088, 114.3152, 172.5708
270.53 *4*	28.0 *4*	^{119}Te(4.70 d) - 153.59, 1212.73, 1136.75
271.13	86.7 *3*	^{44}Sc(58.6 h) - 1001.85, 1126.08, 1157.031
271.131 *8*	0.074 *3*	^{152}Eu(9.3116 h) - 841.570, 963.390, 121.7817
271.131 *8*	8.6 *6*	^{152}Tb(17.5 h) - 344.2785, 586.2648, 778.9040
271.23 *1*	10.8 *3*	^{219}Rn(3.96 s) - 401.81, 130.59, 293.54
271.8 *4*	2.6	^{253}Fm(3.00 d) - 144.99, 62.47, 405
272.105 *15*	21.2 *3*	^{173}Lu(1.37 y) - 78.63, 100.724, 171.393
272.918 *6*	0.550 *17*	^{174}Lu(142 d) - 992.128, 176.645, 76.471
272.97 *4*	10.4 *4*	^{66}Ge(2.26 h) - 43.81, 381.85, 108.90
273.349 *18*	28	^{117}Cd(2.49 h) - 1303.27, 344.459, 1576.62
273.44 *1*	15	^{128}Ba(2.43 d) - 374.99, 229.50, 359.10
274.6 *6*		^{196}Tl(1.41 h) - 426.0, 635.5, 695.6
274.8 *3*	50.4 *20*	^{192}Hg(4.85 h) - 157.2, 306.5, 186.4
275.21 *2*	6.8 *5*	^{151}Pm(28.40 h) - 340.08, 167.75, 717.72
275.925 *7*	17.8 *3*	^{133}Ba(38.9 h) - 632.56
275.988 *12*	0.30	^{81}Kr(2.29×10^{5} y)
276.0 *2*	2.92 *16*	^{77}Kr(74.4 m) - 129.64, 146.59, 311.86
276.8 *1*	†20.2 *19*	^{258}Md(51.5 d) - 367.8, 447.9, 71.1
277.089 *10*	3.56 *6*	^{149}Eu(93.1 d) - 327.526, 22.510, 254.566
277.3 *3*	96	^{78}Ge(88.0 m) - 293.9
277.599 *1*	14.38 *21*	^{239}Np(2.3565 d) - 106.125, 228.183, 209.753
277.599 *1*	15.0 *7*	^{239}Am(11.9 h) - 49.10, 228.183, 226.378
277.599 *1*	14.0 *4*	^{243}Cm(29.1 y) - 228.183, 209.753, 285.460
277.88 *2*	7.2 *5*	^{191}Au(3.18 h) - 586.45, 674.19, 283.91
278.0 *8*	3.4 *7*	^{247}Cm(1.56×10^{7} y) - 402.6, 287.4, 344.5
278.43 *5*	0.567 *17*	^{129}Te(69.6 m) - 27.81, 459.60, 487.39
278.835 *17*	1.60 *5*	^{133}La(3.912 h) - 302.353, 290.06, 632.765
279.01 *5*	2.4	^{197}Pt(95.41 m) - 346.5, 53.10
279.01 *5*	6	^{197}Hg(23.8 h) - 130.2, 201.6, 77.351
279.1967 *12*	81	^{203}Hg(46.612 d)
279.1967 *12*	81	^{203}Pb(51.873 h) - 401.323, 680.516
279.5422 *10*	24.99 *5*	^{75}Se(119.779 d) - 264.6576, 136.0001, 121.1155
280.23 *2*	47.3 *20*	^{237}Am(73.0 m) - 438.4, 473.5, 908.8
280.40 *20*	0.000916 *18*	^{237}Pu(45.2 d) - 298.89, 320.75, 228.56
280.41 *6*	0.167 *13*	^{105}Rh(35.36 h) - 319.14, 306.25, 442.37
280.41 *6*	30.2 *17*	^{105}Ag(41.29 d) - 344.520, 644.55, 443.37
280.459 *8*	29.77 *22*	^{166}Ho(1200 y) - 184.410, 810.276, 711.683
280.462 *9*		^{110}Sn(4.11 h)
282.522 *14*	3.01 *5*	^{175}Yb(4.185 d) - 396.329, 113.805, 144.863
282.8 *2*	28 *3*	^{198}Tl(1.87 h) - 636.4, 411.80205, 587.2
282.864 *8*	11.3 *4*	^{162}Ho(67.0 m) - 185.005, 1220.0, 937.2
282.956 *2*	12.2 *3*	^{61}Cu(3.333 h) - 656.008, 67.412, 1185.234
283.53 *4*	0.00058 *8*	^{137}Cs(30.07 y) - 661.657
283.69 *1*	1.7	^{231}Pa(32760 y) - 27.36, 300.07, 302.65
283.91 *2*	6.7 *4*	^{191}Au(3.18 h) - 586.45, 277.88, 674.19
284.305 *5*	6.14 *5*	^{131}I(8.02070 d) - 364.489, 636.989, 80.185
285.0 *2*	23	^{247}Am(23.0 m) - 227.0
285.0 *2*	1.4 *3*	^{251}Cf(898 y) - 176.6, 227.0, 61.5
285.460 *2*	0.728 *20*	^{243}Cm(29.1 y) - 277.599, 228.183, 209.753
285.49 *7*	4.3 *4*	^{196}Au(9.6 h) - 147.81, 188.27, 168.37
285.95 *1*	3.1	^{149}Pm(53.08 h) - 859.46, 590.88, 22.510
286.410 *26*	23.8 *5*	^{206}Po(8.8 d) - 1032.26, 511.36, 807.38
286.572 *5*	88	^{75}Br(96.7 m) - 141.3147, 427.883, 377.385
287.357 *10*	28.3 *9*	^{151}Tb(17.609 h) - 251.863, 108.088, 587.46
287.4 *3*	2.0 *3*	^{247}Cm(1.56×10^{7} y) - 402.6, 278.0, 344.5
288	6.0×10^{-5} *4*	^{133}Ba(38.9 h) - 632.56
288.07 *7*	0.31 *4*	^{212}Bi(60.55 m) - 727.330, 1620.50, 785.37
290.06 *5*	0.904 *8*	^{133}La(3.912 h) - 278.835, 302.353, 632.765
290.27 *17*	0.00014 *5*	^{159}Dy(144.4 d) - 58.00, 348.16, 79.45
290.3 *1*	36 *5*	^{198}Pb(2.40 h) - 365.4, 173.4, 865.3
290.669 *13*	0.402 *12*	^{188}W(69.4 d) - 227.083, 63.582, 207.849
291.7 *1*	0.0011	^{208}Po(2.898 y) - 570.4, 601.6, 861.9
291.7238 *5*	3.05 *16*	^{183}Re(70.0 d) - 162.3219, 46.4839, 208.8057
292.70 *10*	0.0062 *7*	^{224}Ra(3.66 d) - 240.986, 645.50, 422.04
293.266 *2*	42.80 *13*	^{143}Ce(33.039 h) - 57.356, 664.571, 721.929
293.545 *13*	2.52 *9*	^{194}Ir(19.28 h) - 328.455, 645.157, 1150.76
293.545 *13*	10.4 *6*	^{194}Au(38.02 h) - 328.455, 1468.91, 2043.67
293.54 *4*	0.073 *4*	^{219}Rn(3.96 s) - 271.23, 401.81, 130.59
293.9 *5*	4.0 *8*	^{78}Ge(88.0 m) - 277.3
294.1 *1*	0.98 *7*	^{247}Cf(3.11 h) - 447.8, 417.9, 407.0
294.978 *20*	0.00280 *7*	^{103}Pd(16.991 d) - 39.757, 357.47, 497.080
295.01 *3*	0.595 *18*	^{101}Rh(3.3 y) - 197.99, 127.226, 325.23
295.72 *2*	0.22 *7*	^{245}Am(2.05 h) - 252.80, 240.86, 42.88
295.901 *13*	28.9 *8*	^{171}Er(7.516 h) - 308.31, 111.621, 124.015
295.95827 *12*	28.67 *9*	^{192}Ir(73.831 d) - 205.79549, 484.5780, 374.4852
295.95827 *12*	22.3 *3*	^{192}Au(4.94 h) - 316.50791, 2236.89, 612.46564
296.29 *3*	19	^{101}Pd(8.47 h) - 590.44, 269.67, 24.46
296.90 *3*	62.3 *15*	^{186}Ir(16.64 h) - 137.157, 434.84, 773.28
296.974 *9*	33.9 *7*	^{173}Hf(23.6 h) - 123.672, 139.634, 311.239
297.2151 *20*	4.16 *18*	^{77}Br(57.036 h) - 238.9963, 520.639, 249.7862
297.32 *5*	79.8 *16*	^{73}Ga(4.86 h) - 325.70, 739.42, 767.8
297.369 *6*	12.71 *25*	^{165}Tm(30.06 h) - 242.917, 47.155, 806.372
297.88 *10*	0.012	^{163}Er(75.0 m) - 1113.5, 436.1, 439.94
298.580 *2*	26.13 *18*	^{160}Tb(72.3 d) - 879.383, 966.171, 1177.962
298.60 *1*	10	^{113}Ag(5.37 h) - 258.72, 316.21, 672.34
298.634 *5*	28.6 *7*	^{149}Gd(9.28 d) - 149.735, 346.651, 748.601
298.89 *20*	0.44 *5*	^{233}Np(36.2 m) - 312.17, 546.9, 506.5
298.89 *20*	0.000661 *16*	^{237}Pu(45.2 d) - 280.40, 320.75, 228.56
300.07 *2*	23.5 *3*	^{135}Ce(17.7 h) - 265.56, 606.76, 518.05
300.07 *1*	2.46 *7*	^{231}Pa(32760 y) - 27.36, 302.65, 283.69
300.087 *10*	3.28 *3*	^{212}Pb(10.64 h) - 238.632, 115.183, 415.2
300.219 *10*	0.797 *11*	^{67}Cu(61.83 h) - 184.577, 93.311, 91.266
300.219 *10*	16.80 *22*	^{67}Ga(3.2612 d) - 93.311, 184.577, 393.529
300.34 *2*	6.62 *6*	^{233}Pa(26.967 d) - 312.17, 340.81, 86.814
300.654 *12*	12.8 *6*	^{207}At(1.80 h) - 814.41, 588.33, 467.12
300.884 *15*	0.088 *7*	^{134}Ce(3.16 d) - 162.306, 130.414, 31.89
302.353 *8*	1.05 *3*	^{133}La(3.912 h) - 278.835, 290.06, 632.765
302.65 *1*	2.2 *3*	^{231}Pa(32760 y) - 27.36, 300.07, 283.69
302.7 *1*	80 *5*	^{138}Pr(2.12 h) - 1037.8, 788.742, 390.9
302.853 *1*	0.0048 *3*	^{133}Xe(5.243 d) - 80.9971, 79.6139, 160.613
302.853 *1*	18.33 *6*	^{133}Ba(10.51 y) - 356.017, 80.9971, 383.851
303.41 *3*	21.6 *11*	^{250}Es(8.6 h) - 828.82, 349.4, 383.7
304 *2*	0.07 *1*	^{254}Es(275.7 d) - 63.0, 316, 385
304.849 *3*	4.29 *5*	^{140}Ba(12.752 d) - 537.261, 29.9640, 162.660
304.87 *2*	14	^{85}Kr(4.480 h)

Energy	Intensity	Parent - Associated γ-rays
304.896 *6*	31	^{206}Hg(8.15 m) - 649.42, 344.52
304.896 *6*		^{210}Bi(5.013 d) - 265.832
304.896 *6*	28	^{210}Bi(3.04×10^{6} y) - 265.832, 649.42, 344.52
306.25 *3*	5.1 *3*	^{105}Rh(35.36 h) - 319.14, 280.41, 442.37
306.47 *10*	2.6 *1*	^{79}Kr(35.04 h) - 261.35, 397.54, 606.09
306.5 *3*	5.4 *6*	^{192}Hg(4.85 h) - 274.8, 157.2, 186.4
306.78 *4*	94	^{176}Lu(3.78×10^{10} y) - 201.83, 88.34, 400.99
306.857 *5*	81 *4*	^{101}Rh(4.34 d) - 545.117, 127.226, 179.636
306.9 *2*	0.150 *15*	^{140}Pr(3.39 m) - 1596.210, 751.637, 925.189
308.0 *1*	0.080 *8*	^{228}Pa(22 h) - 29.8, 43.3, 316.8
308.222 *8*	4.9 *5*	^{245}Pu(10.5 h) - 327.428, 560.13, 376.676
308.222 *8*	3.2×10^{-6} *9*	^{249}Bk(320 d) - 327.428
308.25 *5*	100	^{48}Cr(21.56 h) - 112.36, 420.5
308.31 *3*	64.4 *16*	^{171}Er(7.516 h) - 295.901, 111.621, 124.015
308.45692 *13*	30.00 *8*	^{192}Ir(73.831 d) - 205.79549, 484.5780, 374.4852
311.239 *8*	10.75 *20*	^{173}Hf(23.6 h) - 123.672, 296.974, 139.634
311.4 *1*	0.032 *3*	^{109}Pd(13.7012 h) - 88.04, 647.3, 781.4
311.86 *14*	3.7 *5*	^{77}Kr(74.4 m) - 129.64, 146.59, 276.0
312.17 *2*	38.6 *4*	^{233}Pa(26.967 d) - 300.34, 340.81, 86.814
312.17 *2*	0.7	^{233}Np(36.2 m) - 298.89, 546.9, 506.5
312.6	0.336 *20*	^{42}K(12.360 h) - 1524.70, 899.43, 1922.18
314.12 *2*	61 *3*	^{128}Sb(9.01 h) - 753.82, 743.22, 526.57
314.3 *3*	0.000423 *10*	^{117}Sn(13.60 d) - 158.562, 156.02
314.77 *4*	2.49 *10*	^{161}Er(3.21 h) - 826.6, 211.15, 592.6
314.8 *3*	0.094 *12*	^{230}Pa(17.4 d) - 951.95, 918.48, 454.95
315.302 *13*	19	^{117}In(116.2 m)
315.7 *2*	39 *4*	^{76}Kr(14.8 h) - 270.2, 45.48, 406.5
316 *2*	0.15 *2*	^{254}Es(275.7 d) - 63.0, 304, 385
316.21 *2*	1.343 *20*	^{113}Ag(5.37 h) - 298.60, 258.72, 672.34
316.44 *15*	11.1 *4*	^{105}Ru(4.44 h) - 724.21, 469.37, 676.36
316.50791 *13*	82.81 *21*	^{192}Ir(73.831 d) - 205.79549, 484.5780, 374.4852
316.50791 *13*	58.0 *8*	^{192}Au(4.94 h) - 295.95827, 2236.89, 612.46564
316.8 *1*	0.044 *6*	^{228}Pa(22 h) - 308.0, 29.8, 43.3
319.0205 *8*	10.5 *3*	^{177}Lu(160.4 d) - 413.6636, 121.6211, 171.8576
319.14 *6*	19	^{105}Rh(35.36 h) - 306.25, 280.41, 442.37
319.411 *18*	1.95 *11*	^{147}Nd(10.98 d) - 91.105, 531.016, 439.895
319.90 *7*	9.4 *5*	^{195}Ir(3.8 h) - 100
320.0824 *4*	10	^{51}Cr(27.7025 d)
320.75 *20*	0.000546 *16*	^{237}Pu(45.2 d) - 280.40, 298.89, 228.56
321.3162 *16*	0.219 *11*	^{177}Lu(6.734 d) - 208.3664, 112.9498, 249.6741
321.336 *24*	23.5 *8*	^{167}Ho(3.1 h) - 346.547, 237.873, 207.801
322.41 *8*	9.7×10^{-5} *5*	^{99}Tc(6.01 h) - 140.511, 142.628, 2.1726
322.41 *8*	6.2 *3*	^{99}Rh(16.1 d) - 528.24, 353.05, 89.65
323.20 *18*	6.3 *5*	^{90}Mo(5.56 h) - 257.34, 122.370, 203.13
323.871 *10*	3.93 *7*	^{223}Ra(11.435 d) - 269.459, 154.21, 144.232
324.48 *3*	10.79 *17*	^{97}Ru(2.9 d) - 215.718, 569.31, 460.57
324.81 *3*	0.0314 *15*	^{107}Cd(6.50 h) - 93.124, 828.93, 796.462
325.1 *2*	2.5 *3*	^{257}Md(5.52 h) - 371.4, 181.3, 388.5
325.23 *3*	11.83 *11*	^{101}Rh(3.3 y) - 197.99, 127.226, 295.01
325.562 *4*	94.1 *11*	^{178}Hf(31 y) - 426.383, 574.215, 213.440
325.562 *4*	94.1 *11*	^{178}Ta(2.36 h) - 426.383, 213.440, 88.867
325.70 *7*	11.17 *24*	^{73}Ga(4.86 h) - 297.32, 739.42, 767.8
325.76 *5*	2.93 *7*	^{138}Nd(5.04 h) - 199.50, 341.65, 215.31
326.16 *20*	92	^{157}Dy(8.14 h) - 182.20, 83.01, 60.82
326.785 *15*	3.034 *25*	^{71}As(65.28 h) - 174.954, 1095.490, 499.876
327.428 *8*	25.4 *25*	^{245}Pu(10.5 h) - 560.13, 308.222, 376.676
327.428 *8*	1.7×10^{-5} *3*	^{249}Bk(320 d) - 308.222
327.526 *10*	4.03 *12*	^{149}Eu(93.1 d) - 277.089, 22.510, 254.566
327.96 *10*	0.139 *11*	^{212}Bi(60.55 m) - 727.330, 1620.50, 785.37
328.000 *6*	0.00283 *6*	^{232}U(68.9 y) - 57.766, 129.065, 270.245
328.331 *21*	†3.7 *3*	^{224}Rn(107 m) - 260.581, 265.806, 202.21
328.455 *11*	93 *5*	^{194}Ir(171 d) - 482.833, 600.5, 687.7
328.455 *11*	13.1 *4*	^{194}Ir(19.28 h) - 293.545, 645.157, 1150.76
328.455 *11*	61 *3*	^{194}Au(38.02 h) - 293.545, 1468.91, 2043.67
328.762 *8*	20.3 *3*	^{140}La(1.6781 d) - 1596.210, 487.021, 815.772
329.851 *20*	2.7 *3*	^{227}Th(18.72 d) - 235.971, 50.13, 256.25
330.2 *2*	8.6 *5*	^{123}Xe(2.08 h) - 148.9, 178.1, 1093.4
331.19 *3*	79 *5*	^{201}Pb(9.33 h) - 361.27, 945.96, 907.56
332.277 *10*	94.1 *8*	^{180}Hf(5.5 h) - 443.09, 215.256, 57.555
332.82 *40*	12.1 *23*	^{200}Au(18.7 h) - 146.07, 59.97, 133.23
332.983 *24*	22.9 *5*	^{196}Au(6.183 d) - 355.684, 521.175, 1091.331
333.37 *2*	14.6 *4*	^{249}Cf(351 y) - 388.16, 252.80, 266.62
333.4 *4*	6.2×10^{-5} *15*	^{186}Re(3.7183 d) - 122.30
333.971 *12*	68	^{150}Pm(2.68 h) - 1324.51, 1165.74, 831.92
333.971 *12*	4.0 *3*	^{150}Eu(12.8 h) - 406.52, 1165.74, 921.2
333.971 *12*	96	^{150}Eu(36.9 y) - 439.401, 584.274, 737.455
336.240 *12*	45.9 *1*	^{115}Cd(53.46 h) - 527.900, 492.3, 260.890
336.240 *12*	45.83 *10*	^{115}In(4.486 h)
336.43 *3*	70.2 *5*	^{95}Ru(1.643 h) - 1096.76, 626.77, 1178.66
337.713 *5*	0.181 *19*	^{179}Lu(4.59 h) - 214.335, 214.930, 123.3790
338.320 *3*	11.27 *19*	^{228}Ac(6.15 h) - 911.204, 968.971, 964.766
339.65 *6*	5.6 *5*	^{182}Hf(61.5 m) - 344.1, 224.38, 506.60
340.08 *1*	23	^{151}Pm(28.40 h) - 167.75, 275.21, 717.72
340.547 *8*	42.2 *13*	^{136}Cs(13.16 d) - 818.514, 1048.073, 1235.362
340.71 *13*	70 *3*	^{99}Rh(4.7 h) - 617.8, 1261.2, 936.7
340.81 *3*	4.47 *4*	^{233}Pa(26.967 d) - 312.17, 300.34, 86.814
341.65 *5*	0.41 *4*	^{138}Nd(5.04 h) - 325.76, 199.50, 215.31
342.13 *2*	7	^{111}Ag(7.45 d) - 245.395, 96.75, 620.26
343.40 *8*	84	^{175}Hf(70 d) - 89.36, 433.0, 229.6
344.1 *1*	42 *4*	^{182}Hf(61.5 m) - 224.38, 506.60, 455.80
344.2785 *12*	26.5 *4*	^{152}Eu(13.537 y) - 121.7817, 1408.006, 964.079
344.2785 *12*	2.38 *3*	^{152}Eu(9.3116 h) - 841.570, 963.390, 121.7817
344.2785 *12*	65	^{152}Tb(17.5 h) - 586.2648, 271.131, 778.9040
344.459 *10*	17.9 *4*	^{117}Cd(2.49 h) - 273.349, 1303.27, 1576.62
344.5 *5*	~1.3	^{247}Cm(1.56×10^{7} y) - 402.6, 278.0, 287.4
344.520 *21*	41	^{105}Ag(41.29 d) - 280.41, 644.55, 443.37
344.52 *17*	0.7	^{206}Hg(8.15 m) - 304.896, 649.42
344.52 *17*	0.7	^{210}Bi(3.04×10^{6} y) - 265.832, 304.896, 649.42
344.9 *2*	35.2 *14*	^{184}Hf(4.12 h) - 139.1, 181.0, 41.4
344.95 *20*	0.0030 *3*	^{65}Zn(244.26 d) - 1115.546, 770.6
345.916 *25*	15.12 *10*	^{181}Hf(42.39 d) - 482.182, 133.024, 136.266
346.5 *2*	11.1 *3*	^{197}Pt(95.41 m) - 53.10
346.547 *15*	56	^{167}Ho(3.1 h) - 321.336, 237.873, 207.801
346.643 *5*	69 *5*	^{154}Tb(22.7 h) - 247.925, 1419.81, 123.071
346.651 *3*	23.9 *3*	^{149}Gd(9.28 d) - 149.735, 298.634, 748.601
346.93 *7*	0.0076 *5*	^{60}Co(5.2714 y) - 1332.501, 1173.237, 826.06
347.18 *10*	†150 *20*	^{171}Hf(12.1 h) - 122.0, 662.2, 1071.8
348.16 *7*	0.234 *5*	^{159}Gd(18.479 h) - 363.55, 58.00, 226.01
348.16 *7*	0.00095 *10*	^{159}Dy(144.4 d) - 58.00, 79.45, 290.27
348.4	†64	^{178}Yb(74 m) - 390.8, 42.4
348.5 *5*	12.0 *6*	^{175}Ta(10.5 h) - 207.4, 266.9, 81.5
349.4 *1*	19.8 *9*	^{250}Es(8.6 h) - 828.82, 303.41, 383.7
349.9 *1*	0.82 *4*	^{251}Fm(5.30 h) - 880.8, 453.1, 405.6
350.065 *10*	7.80 *15*	^{122}Xe(20.1 h) - 148.612, 416.633, 90.596
352.24 *2*	29.43 *9*	^{149}Tb(4.118 h) - 164.98, 388.57, 652.12
353.05 *6*	34.6 *10*	^{99}Rh(16.1 d) - 528.24, 89.65, 322.41
353.39 *6*	9.5 *5*	^{199}Pb(90 m) - 366.90, 1135.04, 720.24
353.9912 *5*	11.2 *3*	^{183}Ta(5.1 d) - 246.0591, 107.9322, 161.3467
355.40 *9*	2.09 *9*	^{97}Zr(16.91 h) - 743.36, 507.64, 1147.97
355.684 *2*	94 *3*	^{196}Ir(1.40 h) - 393.346, 521.175, 447.1
355.684 *2*	87	^{196}Au(6.183 d) - 332.983, 521.175, 1091.331
356.017 *2*	62.05 *19*	^{133}Ba(10.51 y) - 80.9971, 302.853, 383.851
357.47 *5*	0.0221 *7*	^{103}Pd(16.991 d) - 39.757, 497.080, 294.978
358.3 *1*	0.315 *20*	^{251}Fm(5.30 h) - 425.4, 480.4, 383.2
359.10 *4*	0.096 *9*	^{128}Ba(2.43 d) - 273.44, 374.99, 229.50
359.90 *9*	6.0 *3*	^{191}Pt(2.802 d) - 538.90, 409.44, 82.407
360.32 *10*	0.1346 *10*	^{127}Te(9.35 h) - 417.95, 202.860, 215.17
360.70 *11*	20 *4*	^{181}Re(19.9 h) - 365.57, 639.30, 953.42
360.80 *10*	108	^{73}Se(7.15 h) - 67.03, 865.09, 510
361.136 *6*	89.57 *9*	^{190}Ir(3.25 h) - 616.08, 502.53, 186.718
361.27 *5*	9.9 *5*	^{201}Pb(9.33 h) - 331.19, 945.96, 907.56
361.68 *2*	0.84 *4*	^{165}Dy(2.334 h) - 94.700, 633.415, 715.328
362	<0.00026	^{206}Tl(4.199 m) - 803.10, 1166
362.39 *13*	39.5 *9*	^{179}Hf(25.05 d) - 453.43, 122.793, 146.15
362.81 *4*	2.2×10^{-6} *4*	^{85}Kr(10.756 y) - 514.0067, 151.159, 129.820
362.81 *4*	>0.0010	^{85}Sr(64.84 d) - 514.0067, 868.5, 151.159
363.55 *4*	11.4 *6*	^{159}Gd(18.479 h) - 58.00, 348.16, 226.01
364.489 *5*	81.7 *6*	^{131}I(8.02070 d) - 636.989, 284.305, 80.185
365.4 *1*	19 *3*	^{198}Pb(2.40 h) - 290.3, 173.4, 865.3
365.57 *12*	56 *6*	^{181}Re(19.9 h) - 360.70, 639.30, 953.42
366.27 *3*	4.81 *5*	^{65}Ni(2.5172 h) - 1481.84, 1115.546, 1623.42
366.56 *10*	0.076 *12*	^{230}Pa(17.4 d) - 951.95, 918.48, 454.95
366.90 *6*	44.2 *22*	^{199}Pb(90 m) - 353.39, 1135.04, 720.24
367.8 *1*	†100 *7*	^{258}Md(51.5 d) - 447.9, 276.8, 71.1

Energy	Intensity	Parent - Associated γ-rays
367.943 *10*	73	^{200}Au(18.7 h) - 332.82, 146.07, 59.97
367.943 *10*	87	^{200}Tl(26.1 h) - 1205.717, 579.298, 828.320
368.76 *6*	0.35 *2*	^{249}Cm(64.15 m) - 634.31, 560.45, 621.87
370.0 *1*	17.2 *6*	^{147}Gd(38.06 h) - 229.32, 396.00, 929.01
370.509 *8*	11.0 *6*	^{157}Eu(15.18 h) - 63.929, 410.723, 54.548
371.4 *1*	11.7 *6*	^{257}Md(5.52 h) - 325.1, 181.3, 388.5
371.918 *2*	30.60 *9*	^{129}Cs(32.06 h) - 411.490, 548.945, 39.578
372.760	87	^{43}K(22.3 h) - 617.490, 396.861, 593.390
372.760	23	^{43}Sc(3.891 h) - 1931.3, 1558.5, 593.390
373.246 *11*	14.04 *19*	^{131}Ba(11.50 d) - 496.326, 123.805, 216.078
374.4852 *8*	0.721 *5*	^{192}Ir(73.831 d) - 205.79549, 484.5780, 201.3112
374.72 *7*	89 *15*	^{204}Pb(67.2 m) - 899.15, 911.78, 622.53
374.72 *7*	82 *4*	^{204}Bi(11.22 h) - 899.15, 984.02, 911.78
374.991 *12*	17.2 *6*	^{127}Xe(36.4 d) - 202.860, 172.132, 145.252
374.99 *2*	0.309 *15*	^{128}Ba(2.43 d) - 273.44, 229.50, 359.10
375.045 *6*	0.001554 *9*	^{239}Pu(24110 y) - 51.624, 38.661, 129.297
375.1 *1*	3.3 *3*	^{249}Es(102.2 m) - 379.5, 813.2, 1218.5
376.676 *3*	3.2 *3*	^{245}Pu(10.5 h) - 327.428, 560.13, 308.222
376.7 *3*	~0.9	^{133}Ce(97 m) - 97.261, 76.9, 557.7
377.385 *4*	3.93 *4*	^{75}Br(96.7 m) - 286.572, 141.3147, 427.883
377.4 *3*	0.122 *15*	^{252}Es(471.7 d) - 924.12, 800.01, 785.09
377.748 *5*	1.643 *19*	^{52}Fe(8.275 h) - 168.688, 1727.57, 1039.928
378.5029 *7*	29.7 *12*	^{177}Lu(160.4 d) - 413.6636, 319.0205, 121.6211
378.8 *5*	4.2 *4*	^{80}Sr(106.3 m) - 589.0, 175.4, 553.4
379.5 *1*	40.4 *25*	^{249}Es(102.2 m) - 813.2, 375.1, 1218.5
380.79 *7*	78	^{87}Y(13.37 h)
380.8 *1*	2.40 *17*	^{245}Bk(4.94 d) - 205.879, 471.805, 164.8
381.17 *3*	2.49 *24*	^{83}Sr(32.41 h) - 762.65, 381.53, 418.37
381.43 *10*	7.5 *4*	^{188}Pt(10.2 d) - 187.59, 195.05, 423.34
381.53 *3*	14.1 *5*	^{83}Sr(32.41 h) - 762.65, 418.37, 381.17
381.60 *4*	16 *5*	^{193}Hg(3.80 h) - 861.11, 257.99, 1118.84
381.7 *3*	0.56 *5*	^{243}Pu(4.956 h) - 84.0, 41.8, 67
381.768 *12*	89.6 *9*	^{183}Os(13.0 h) - 114.463, 167.844, 851.474
381.85 *5*	28	^{66}Ge(2.26 h) - 43.81, 272.97, 108.90
382.9 *1*	>6.0×10^{-5}	^{113}Sn(115.09 d) - 391.690, 255.05, 638.02
383.2 *3*	0.0196 *20*	^{251}Fm(5.30 h) - 425.4, 480.4, 358.3
383.6 *5*	0.036 *3*	^{230}Pa(17.4 d) - 951.95, 918.48, 454.95
383.7 *1*	13.6 *7*	^{250}Es(8.6 h) - 828.82, 303.41, 349.4
383.851 *3*	8.94 *3*	^{133}Ba(10.51 y) - 356.017, 80.9971, 302.853
385.0 *1*	0.57 *4*	^{245}Bk(4.94 d) - 205.879, 471.805, 164.8
385 *2*	0.05 *1*	^{254}Es(275.7 d) - 63.0, 316, 304
385.31 *13*	0.060 *10*	^{93}Mo(6.85 h) - 949.82, 689.07, 541.22
386.28 *5*	93	^{71}Zn(3.96 h) - 487.38, 620.18, 511.56
386.84 *4*	9.0 *4*	^{158}Er(2.29 h) - 71.91, 248.58, 45.5
387.1 *5*	0.0181 *18*	^{253}Es(20.47 d) - 41.79, 389.11, 42.98
387.87 *5*	2.15 *8*	^{195}Hg(41.6 h) - 261.75, 560.27, 200.38
388.16 *2*	66	^{249}Cf(351 y) - 333.37, 252.80, 266.62
388.5 *15*	~0.07	^{257}Md(5.52 h) - 371.4, 325.1, 181.3
388.531 *3*	81.9 *5*	^{87}Sr(2.803 h)
388.531 *3*	82	^{87}Y(79.8 h) - 484.805
388.57 *2*	18.37 *13*	^{149}Tb(4.118 h) - 352.24, 164.98, 652.12
388.633 *11*	34.1 *7*	^{126}I(13.11 d) - 666.331, 753.819, 1420.17
388.633 *11*	41	^{126}Cs(1.64 m) - 491.243, 925.24, 879.876
389.11 *8*	0.0264 *3*	^{253}Es(20.47 d) - 41.79, 387.1, 42.98
389.94 *7*	6.2 *5*	^{202}Pb(3.53 h) - 490.47, 459.72, 241.1
390.38 *7*	†381 *27*	^{184}Ir(3.09 h) - 263.97, 119.80, 961.22
390.6 *2*	0.31 *3*	^{164}Yb(75.8 m) - 40.928, 675.41, 446.74
390.8	†100	^{178}Yb(74 m) - 348.4, 42.4
390.9 *1*	6.1 *3*	^{138}Pr(2.12 h) - 1037.8, 788.742, 302.7
391.28 *6*	1.53 *12*	^{111}Pd(5.5 h) - 172.18
391.690 *15*	64.2	^{113}In(1.6582 h)
391.690 *15*	64	^{113}Sn(115.09 d) - 255.05, 638.02, 382.9
392.87 *9*		^{88}Zr(83.4 d)
393.346 *7*	97.0 *19*	^{196}Ir(1.40 h) - 521.175, 447.1, 355.684
393.529 *10*	4.68 *6*	^{67}Ga(3.2612 d) - 93.311, 184.577, 300.219
396.00 *10*	34.3 *16*	^{147}Gd(38.06 h) - 229.32, 929.01, 370.0
396.329 *20*	6.40 *10*	^{175}Yb(4.185 d) - 282.522, 113.805, 144.863
396.861	11.85 *8*	^{43}K(22.3 h) - 372.760, 617.490, 593.390
397.54 *10*	9.3 *3*	^{79}Kr(35.04 h) - 261.35, 606.09, 306.47
397.859 *12*	2.9 *3*	^{183}Hf(1.067 h) - 783.754, 73.174, 459.069
398.9 *6*	88	^{173}Tm(8.24 h) - 461.4, 62.6
400 *20*		^{256}Md(78.1 m)

Energy	Intensity	Parent - Associated γ-rays
400.56 *5*	36.6 *10*	^{28}Mg(20.91 h) - 30.6383, 1342.27, 941.72
400.89 *7*	3.94 *13*	^{187}Ir(10.5 h) - 912.95, 427.12, 610.68
400.99 *4*	0.329 *19*	^{176}Lu(3.78×10^{10} y) - 306.78, 201.83, 88.34
401.323 *10*	3.35 *7*	^{203}Pb(51.873 h) - 279.1967, 680.516
401.81 *1*	6.37 *22*	^{219}Rn(3.96 s) - 271.23, 130.59, 293.54
402.586 *10*	49.6 *20*	^{87}Kr(76.3 m) - 2554.8, 845.43, 2558.1
402.6 *3*	72 *6*	^{247}Cm(1.56×10^{7} y) - 278.0, 287.4, 344.5
405 *2*	~0.08	^{253}Fm(3.00 d) - 271.8, 144.99, 62.47
405.6 *1*	0.99 *5*	^{251}Fm(5.30 h) - 880.8, 453.1, 349.9
405.75 *6*	9.7 *5*	^{207}Po(5.80 h) - 992.33, 742.64, 911.79
406.5 *2*	12.1 *12*	^{76}Kr(14.8 h) - 315.7, 270.2, 45.48
406.52 *5*	2.81 *24*	^{150}Eu(12.8 h) - 333.971, 1165.74, 921.2
407.0 *1*	0.190 *20*	^{247}Cf(3.11 h) - 294.1, 447.8, 417.9
407.338 *3*	42.1 *8*	^{172}Er(49.3 h) - 610.062, 68.107, 446.025
407.351 *15*	38.8 *3*	^{116}Sb(60.3 m) - 1293.558, 972.564, 542.867
407.63 *4*	32 *5*	^{193}Hg(11.8 h) - 257.99, 573.25, 932.37
408.009 *8*	0.359 *12*	^{135}Xe(9.14 h) - 249.770, 608.151, 158.260
409.44 *2*	8.0 *4*	^{191}Pt(2.802 d) - 538.90, 359.90, 82.407
409.5 *3*	0.84 *6*	^{85}Y(2.68 h) - 231.67, 504.45, 913.93
410.7 *2*	0.14 *4*	^{221}Fr(4.9 m) - 218.19, 99.5, 150.0
410.723 *9*	17.5 *9*	^{157}Eu(15.18 h) - 63.929, 370.509, 54.548
411.1163 *11*	2.234 *4*	^{152}Eu(13.537 y) - 121.7817, 1408.006, 964.079
411.490 *2*	22.31 *9*	^{129}Cs(32.06 h) - 371.918, 548.945, 39.578
411.80205 *17*	96	^{198}Au(2.69517 d) - 675.8836, 1087.684
411.80205 *17*	82 *7*	^{198}Tl(5.3 h) - 675.8836, 636.4, 1200.6
411.80205 *17*	57 *5*	^{198}Tl(1.87 h) - 636.4, 587.2, 226.2
411.95 *5*	63	^{127}Cs(6.25 h) - 124.70, 462.31, 587.01
413.0 *1*	0.0147 *20*	^{220}Fr(27.4 s) - 234.5, 178.4, 44.60
413.6636 *7*	17.4 *6*	^{177}Lu(160.4 d) - 319.0205, 121.6211, 171.8576
414.03 *4*	72	^{184}Ta(8.7 h) - 252.848, 920.932, 111.208
414.60 *5*	0.00030	^{226}Ra(1600 y) - 186.211, 262.27, 600.66
414.81 *2*	83.3 *21*	^{126}Sb(12.46 d) - 695.03, 666.331, 720.64
415.2	0.143 *22*	^{212}Pb(10.64 h) - 238.632, 300.087, 115.183
416.33 *3*	21.8 *5*	^{77}Ge(11.30 h) - 264.44, 211.03, 215.51
416.633 *25*	1.87 *4*	^{122}Xe(20.1 h) - 350.065, 148.612, 90.596
417.9 *1*	0.34 *3*	^{247}Cf(3.11 h) - 294.1, 447.8, 407.0
417.95 *10*	1.0	^{127}Te(9.35 h) - 360.32, 202.860, 215.17
418.01 *3*	34.2 *10*	^{130}I(12.36 h) - 536.09, 668.54, 739.48
418.37 *3*	4.41 *15*	^{83}Sr(32.41 h) - 762.65, 381.53, 381.17
418.5 *3*	0.220 *23*	^{252}Es(471.7 d) - 924.12, 800.01, 785.09
418.5391 *7*	21.3 *8*	^{177}Lu(160.4 d) - 413.6636, 319.0205, 121.6211
419.1 *3*	0.185 *7*	^{75}Ge(82.78 m) - 264.6576, 198.6060, 468.6
419.83 *7*	†<26.7	^{129}Ba(2.16 h) - 182.32, 1459.1, 202.38
420.5	<0.03	^{48}Cr(21.56 h) - 308.25, 112.36
422.04 *10*	0.0030 *5*	^{224}Ra(3.66 d) - 240.986, 292.70, 645.50
422.18 *4*	86 *5*	^{202}Pb(3.53 h) - 490.47, 459.72, 389.94
422.18 *4*	83.7 *25*	^{202}Bi(1.72 h) - 960.67, 657.49, 954.45
423.34 *10*	4.36 *23*	^{188}Pt(10.2 d) - 187.59, 195.05, 381.43
425.1 *3*	0.0137 *20*	^{45}Ti(184.8 m) - 720.22, 1408.6, 1662.4
425.4 *1*	0.95 *5*	^{251}Fm(5.30 h) - 480.4, 358.3, 383.2
425.84 *10*	13.0 *9*	^{197}Tl(2.84 h) - 152.22, 1411.34, 577.97
426.00 *3*	0.58 *12*	^{166}Dy(81.6 h) - 82.471, 28.242, 54.2400
426.0 *1*	7	^{196}Au(6.183 d) - 355.684, 332.983, 521.175
426.0 *1*	84 *5*	^{196}Tl(1.84 h) - 610.5, 635.5, 1495.8
426.0 *1*	91 *14*	^{196}Tl(1.41 h) - 635.5, 695.6, 505.2
426.25 *21*	4.12 *15*	^{109}In(4.2 h) - 203.5, 623.7, 1148.9
426.383 *6*	97.0 *13*	^{178}Hf(31 y) - 325.562, 574.215, 213.440
426.383 *6*	97.0 *13*	^{178}Ta(2.36 h) - 325.562, 213.440, 88.867
426.98 *5*	13.2 *6*	^{177}W(135 m) - 115.65, 1036.4, 115.05
427.12 *4*	4.12 *13*	^{187}Ir(10.5 h) - 912.95, 400.89, 610.68
427.875 *6*	30	^{125}Sb(2.7582 y) - 600.600, 635.954, 463.365
427.883 *4*	4.4 *4*	^{75}Br(96.7 m) - 286.572, 141.3147, 377.385
430.49 *3*	3.28 *15*	^{92}Sr(2.71 h) - 1383.93, 953.31, 241.56
430.634 *20*	4.06 *20*	^{241}Cm(32.8 d) - 471.805, 205.879, 165.049
430.634 *20*	0.0015 *3*	^{245}Bk(4.94 d) - 205.879, 471.805, 164.8
431.4 *5*	5.2×10^{-5} *4*	^{145}Sm(340 d) - 61.25, 492.31
432.86 *7*	9	^{195}Ir(3.8 h) - 100
433.0 *5*	1.436 *25*	^{175}Hf(70 d) - 343.40, 89.36, 229.6
433.22 *9*	0.0518 *9*	^{137}Ce(9.0 h) - 447.15, 10.6, 436.59
433.9 *2*	1.28 *11*	^{137}Pr(1.28 h) - 836.7, 514.0, 160.32
433.937 *4*	90	^{108}Ag(418 y) - 722.907, 614.276
434.84 *3*	33.9 *9*	^{186}Ir(16.64 h) - 296.90, 137.157, 773.28

Energy	Intensity	Parent - Associated γ-rays
436.1 *1*	0.0285 *6*	^{163}Er(75.0 m) - 1113.5, 439.94, 297.88
436.59 *9*	0.265 *9*	^{137}Ce(9.0 h) - 447.15, 10.6, 433.22
438.4 *1*	8.3 *4*	^{237}Am(73.0 m) - 280.23, 473.5, 908.8
438.63 *2*	94.77 *20*	^{69}Zn(13.76 h)
439.401 *15*	80.4 *16*	^{150}Eu(36.9 y) - 333.971, 584.274, 737.455
439.56 *1*	10.0 *5*	^{202}Au(28.8 s) - 1125.25, 1306.5, 1204.1
439.56 *1*	91	^{202}Tl(12.23 d) - 520.2, 960.1
439.895 *22*	1.20 *8*	^{147}Nd(10.98 d) - 91.105, 531.016, 319.411
439.94 *10*	0.0276 *6*	^{163}Er(75.0 m) - 1113.5, 436.1, 297.88
440.02 *5*	0.428 *14*	^{123}I(13.27 h) - 158.97, 528.96, 538.54
442.2 *1*	23.0 *14*	^{211}Rn(14.6 h) - 68.573, 167.90, 236.48
442.37 *5*	0.042 *6*	^{105}Rh(35.36 h) - 319.14, 306.25, 280.41
442.901 *10*	26.8 *3*	^{128}Cs(3.66 m) - 526.557, 1140.079, 969.458
443.09 *4*	81.9 *9*	^{180}Hf(5.5 h) - 332.277, 215.256, 57.555
443.37 *7*	10.5 *5*	^{105}Ag(41.29 d) - 344.520, 280.41, 644.55
443.799 *19*	3.27 *9*	^{103}Ru(39.26 d) - 497.080, 610.33, 557.039
446.025 *9*	2.96 *7*	^{172}Er(49.3 h) - 610.062, 407.338, 68.107
446.15 *2*	23.2 *7*	^{81}Rb(4.576 h) - 190.46, 510.31, 456.76
446.74 *26*	0.28 *3*	^{164}Yb(75.8 m) - 40.928, 675.41, 390.6
447.1 *2*	94.1 *19*	^{196}Ir(1.40 h) - 393.346, 521.175, 355.684
447.15 *8*	1.8	^{137}Ce(9.0 h) - 10.6, 436.59, 433.22
447.515 *3*	23.05 *10*	^{168}Tm(93.1 d) - 198.241, 815.990, 184.285
447.8 *1*	0.55 *4*	^{247}Cf(3.11 h) - 294.1, 417.9, 407.0
447.9 *1*	†37 *4*	^{258}Md(51.5 d) - 367.8, 276.8, 71.1
448.34 *9*	2.34 *14*	^{92}Y(3.54 h) - 934.46, 1405.28, 561.03
450.85 *2*	0.011 *4*	^{85}Kr(4.480 h) - 304.87
450.85 *2*	0.0108 *5*	^{85}Sr(67.63 m) - 151.159, 129.820, 731.812
450.97 *3*	24.2 *13*	^{106}Rh(131 m) - 511.842, 1045.83, 717.24
450.97 *3*	28.2 *7*	^{106}Ag(8.28 d) - 511.842, 1045.83, 717.24
452.83 *10*	0.31 *6*	^{212}Bi(60.55 m) - 727.330, 1620.50, 785.37
453.1 *1*	1.45 *8*	^{251}Fm(5.30 h) - 425.4, 480.4, 358.3
453.43 *17*	68 *3*	^{179}Hf(25.05 d) - 362.39, 122.793, 146.15
453.655 *5*	8.61 *19*	^{232}Pa(1.31 d) - 969.315, 894.351, 150.059
453.796 *11*	4.69 *10*	^{125}Xe(16.9 h) - 188.418, 243.378, 54.968
453.88 *6*	65 *2*	^{146}Pm(5.53 y) - 735.72, 589.3, 146.4
454.95 *5*	8	^{230}Ac(122 s) - 508.20, 1243.9, 1347.7
454.95 *5*	6.27 *16*	^{230}Pa(17.4 d) - 951.95, 918.48, 898.68
454.95 *5*	2.5×10^{-5} *7*	^{234}U(2.455×10^{5} y) - 53.20, 120.90, 508.20
455.46 *3*	12.4 *6*	^{199}Tl(7.42 h) - 208.20597, 247.26, 158.37947
455.80 *8*	18.5 *14*	^{182}Hf(61.5 m) - 344.1, 224.38, 506.60
456.76 *5*	3.02 *9*	^{81}Rb(4.576 h) - 190.46, 446.15, 510.31
458.25 *7*	1.7	^{210}Rn(2.4 h) - 648.70, 570.95, 72.70
459.069 *11*	27 *3*	^{183}Hf(1.067 h) - 783.754, 73.174, 397.859
459.60 *5*	7.70 *23*	^{129}Te(69.6 m) - 27.81, 487.39, 278.43
459.72 *7*	8.6 *5*	^{202}Pb(3.53 h) - 490.47, 389.94, 241.1
459.88 *12*	26.62 *19*	^{96}Nb(23.35 h) - 778.224, 568.80, 849.929
460.547 *7*	3.95 *20*	^{193}Os(30.11 h) - 138.938, 73.042, 557.429
460.57 *3*	0.121 *3*	^{97}Ru(2.9 d) - 215.718, 324.48, 569.31
461.4 *8*	6.9 *3*	^{173}Tm(8.24 h) - 398.9, 62.6
462.31 *5*	5.07 *5*	^{127}Cs(6.25 h) - 411.95, 124.70, 587.01
463.004 *6*	20.9 *10*	^{228}Pa(22 h) - 308.0, 29.8, 43.3
463.365 *4*	10.493 *15*	^{125}Sb(2.7582 y) - 427.875, 600.600, 635.954
464.55 *4*	1.73 *8*	^{132}Cs(6.479 d) - 667.718, 630.19, 505.79
464.55 *4*	76 *5*	^{132}La(4.8 h) - 567.14, 1909.91, 663.07
467.12 *1*	7.1 *5*	^{207}At(1.80 h) - 814.41, 588.33, 300.654
468.07152 *24*	47.83 *17*	^{192}Ir(73.831 d) - 205.79549, 484.5780, 374.4852
468.58 *4*	2.42 *17*	^{102}Rh(207 d) - 475.10, 628.05, 1103.16
468.6 *4*	0.223 *9*	^{75}Ge(82.78 m) - 264.6576, 198.6060, 419.1
469.37 *10*	17.5 *5*	^{105}Ru(4.44 h) - 724.21, 676.36, 316.44
469.7 *1*	†29.3 *10*	^{230}Ra(93 m) - 72.0, 63.0, 202.8
470.472 *13*	1.41 *3*	^{121}Te(16.78 d) - 573.139, 507.591, 65.548
471.805 *20*	71 *3*	^{241}Cm(32.8 d) - 430.634, 205.879, 165.049
471.805 *20*	0.026 *5*	^{245}Bk(4.94 d) - 205.879, 164.8, 430.634
473.0 *4*	25.8 *7*	^{127}Sb(3.85 d) - 685.7, 783.7, 252.4
473.5 *1*	4.3 *3*	^{237}Am(73.0 m) - 280.23, 438.4, 908.8
475.10 *3*	95 *4*	^{102}Rh(2.9 y) - 631.28, 697.49, 766.84
475.10 *3*	38.4 *25*	^{102}Rh(207 d) - 628.05, 1103.16, 468.58
475.28 *4*	1.02 *4*	^{121}I(2.12 h) - 212.189, 532.08, 598.74
476.8 *1*	42.0 *8*	^{144}Pm(363 d) - 696.510, 618.01, 778.5
477.2 *2*	20.2 *14*	^{55}Co(17.53 h) - 931.3, 1408.4, 1316.4
477.22 *4*	39	^{133}Ce(4.9 h) - 510.36, 58.39, 130.803
477.595	10.52 *6*	^{7}Be(53.12 d)
477.99 *2*	1.02 *3*	^{188}Re(17.005 h) - 155.032, 632.99, 931.34
477.99 *2*	15	^{188}Ir(41.5 h) - 155.032, 2214.62, 632.99
479.17 *9*	90.74 *3*	^{90}Y(3.19 h) - 202.51, 681.8
479.531 *17*	21.8 *4*	^{187}W(23.72 h) - 685.774, 72.001, 134.243
480.4 *1*	0.392 *20*	^{251}Fm(5.30 h) - 425.4, 358.3, 383.2
480.51 *2*	1.5	^{135}La(19.5 h) - 874.51, 587.83, 220.94
482.182 *23*	80.50 *11*	^{181}Hf(42.39 d) - 133.024, 345.916, 136.266
482.833 *22*	97 *5*	^{194}Ir(171 d) - 328.455, 600.5, 687.7
484.40 *4*	2.21 *11*	^{183}Os(9.9 h) - 1101.94, 1107.92, 1034.85
484.470 *20*	0.290 *2*	^{115}Cd(44.6 d) - 933.8, 1290.580, 1132.570
484.5780 *4*	3.184 *11*	^{192}Ir(73.831 d) - 205.79549, 374.4852, 201.3112
484.805 *5*	89.7 *3*	^{87}Y(79.8 h) - 388.531
487.021 *12*	45.5 *6*	^{140}La(1.6781 d) - 1596.210, 815.772, 328.762
487.38 *4*	62 *3*	^{71}Zn(3.96 h) - 386.28, 620.18, 511.56
487.39 *5*	1.42 *5*	^{129}Te(69.6 m) - 27.81, 459.60, 278.43
489.23 *10*	6.2 *4*	^{47}Ca(4.536 d) - 1297.09, 807.86, 767.1
490.47 *7*	9.1 *5*	^{202}Pb(3.53 h) - 459.72, 389.94, 241.1
490.5 *5*	†18 *2*	^{244}Bk(4.35 h) - 891.5, 217.6, 921.5
491.243 *11*	2.85 *6*	^{126}I(13.11 d) - 666.331, 753.819, 1420.17
491.243 *11*	5.0 *4*	^{126}Cs(1.64 m) - 388.633, 925.24, 879.876
492.3 *6*	8.03 *9*	^{115}Cd(53.46 h) - 336.240, 527.900, 260.890
492.31 *15*	0.00328 *12*	^{145}Sm(340 d) - 61.25, 431.4
496.242 *15*	0.146 *7*	^{150}Tb(3.48 h) - 638.050, 511, 3383.6
496.326 *13*	47	^{131}Ba(11.50 d) - 123.805, 216.078, 373.246
497.080 *7*	90.9 *10*	^{103}Ru(39.26 d) - 610.33, 443.799, 557.039
497.080 *7*	0.00396 *14*	^{103}Pd(16.991 d) - 39.757, 357.47, 294.978
497.358 *24*	0.047 *1*	^{115}In(4.486 h) - 336.240
497.77 *10*	73 *5*	^{200}Au(18.7 h) - 332.82, 146.07, 59.97
499.876 *10*	3.624 *16*	^{71}As(65.28 h) - 174.954, 1095.490, 326.785
502.53 *7*	92.31 *4*	^{190}Ir(3.25 h) - 616.08, 361.136, 186.718
504.45 *10*	60	^{85}Y(2.68 h) - 231.67, 913.93, 409.5
505.2 *7*	6 *3*	^{196}Tl(1.41 h) - 426.0, 635.5, 695.6
505.79 *3*	0.73 *5*	^{132}Cs(6.479 d) - 667.718, 630.19, 1317.927
506.5 *5*	0.154 *21*	^{233}Np(36.2 m) - 312.17, 298.89, 546.9
506.60 *8*	21.6 *17*	^{182}Hf(61.5 m) - 344.1, 224.38, 455.80
507.4 *7*	85 *7*	^{89}Nb(1.18 h) - 587.83, 769.69, 1277.5
507.591 *11*	17.7 *4*	^{121}Te(16.78 d) - 573.139, 470.472, 65.548
507.60 *10*	14.8 *8*	^{62}Zn(9.186 h) - 596.56, 40.84, 548.35
507.64 *8*	5.03 *19*	^{97}Zr(16.91 h) - 743.36, 1147.97, 355.40
508.20 *10*	5.15 *16*	^{230}Ac(122 s) - 454.95, 1243.9, 1347.7
508.20 *10*	1.5×10^{-5} *4*	^{234}U(2.455×10^{5} y) - 53.20, 120.90, 454.95
508.8 *5*	0.0228 *18*	^{142}Pr(19.12 h) - 641.285
~510	0.296 *9*	^{73}Se(7.15 h) - 360.80, 67.03, 865.09
510.056 *10*	52	^{182}Os(22.10 h) - 180.230, 263.285, 55.506
510.31 *9*	5.3 *9*	^{81}Rb(4.576 h) - 190.46, 446.15, 456.76
510.36 *7*	20.7 *5*	^{133}Ce(4.9 h) - 477.22, 58.39, 130.803
510.530 *11*	1.83 *4*	^{133}I(20.8 h) - 529.872, 875.329, 1298.223
510.77 *10*	22.6 *3*	^{208}Tl(3.053 m) - 2614.533, 583.191, 860.564
511	0.449 *22*	^{150}Tb(3.48 h) - 638.050, 496.242, 3383.6
511 *2*	0.076	^{222}Rn(3.8235 d)
511.36 *5*	24.1 *5*	^{206}Po(8.8 d) - 1032.26, 286.410, 807.38
511.56 *4*	28.4 *19*	^{71}Zn(3.96 h) - 386.28, 487.38, 620.18
511.842 *28*	86 *4*	^{106}Rh(131 m) - 1045.83, 717.24, 450.97
511.842 *28*	88 *3*	^{106}Ag(8.28 d) - 1045.83, 717.24, 450.97
514.0067 *19*	0.43	^{85}Kr(10.756 y) - 362.81, 151.159, 129.820
514.0 *2*	1.08 *11*	^{137}Pr(1.28 h) - 836.7, 433.9, 160.32
514.0067 *19*	96	^{85}Sr(64.84 d) - 868.5, 151.159, 362.81
516.18 *4*	40.7 *4*	^{206}Bi(6.243 d) - 803.10, 881.01, 1718.70
518.05 *2*	13.6 *5*	^{135}Ce(17.7 h) - 265.56, 300.07, 606.76
518.55 *7*	34.0 *11*	^{190}Ir(11.78 d) - 186.718, 605.24, 557.972
520.2 *1*	0.58 *4*	^{202}Tl(12.23 d) - 439.56, 960.1
520.39 *1*	0.0576 *18*	^{83}Br(2.40 h) - 529.635, 552.63, 648.9
520.39 *1*	44.7 *22*	^{83}Rb(86.2 d) - 529.635, 552.63, 790.0
520.639 *4*	0.558 *22*	^{77}As(38.83 h) - 238.9963, 249.7862, 87.8671
520.639 *4*	22.4 *4*	^{77}Br(57.036 h) - 238.9963, 297.2151, 249.7862
521.175 *5*	96	^{196}Ir(1.40 h) - 393.346, 447.1, 355.684
521.175 *5*	0.389 *9*	^{196}Au(6.183 d) - 355.684, 332.983, 1091.331
522.65 *9*	16.0 *5*	^{132}I(2.295 h) - 667.718, 772.60, 954.55
526.557 *14*	2.41 *3*	^{128}Cs(3.66 m) - 442.901, 1140.079, 969.458
526.57 *4*	45 *2*	^{128}Sb(9.01 h) - 753.82, 743.22, 314.12
527.900 *10*	27.45 *18*	^{115}Cd(53.46 h) - 336.240, 492.3, 260.890
528.24 *7*	38	^{99}Rh(16.1 d) - 353.05, 89.65, 322.41

Energy	Intensity	Parent - Associated γ-rays
528.96 *5*	1.39 *4*	^{123}I(13.27 h) - 158.97, 440.02, 538.54
529.635 *9*	1.200 *17*	^{83}Br(2.40 h) - 520.39, 552.63, 648.9
529.635 *9*	29.3 *13*	^{83}Rb(86.2 d) - 520.39, 552.63, 790.0
529.872 *11*	87.0 *17*	^{133}I(20.8 h) - 875.329, 1298.223, 510.530
531.016 *22*	13.1 *7*	^{147}Nd(10.98 d) - 91.105, 319.411, 439.895
531.54 *4*	1.6	^{167}Tm(9.25 d) - 207.801, 57.0723, 264.9
532.08 *4*	6.07 *25*	^{121}I(2.12 h) - 212.189, 598.74, 475.28
534.318 *11*	66.6 *3*	^{156}Tb(5.35 d) - 199.2132, 1222.36, 88.9667
534.90 *2*	13.2 *7*	^{204}Po(3.53 h) - 883.984, 270.068, 1016.31
535.61 *18*	3.46 *14*	^{85}Y(4.86 h) - 231.67, 2123.8, 767.40
536 *10*	>0.015	^{243}Bk(4.5 h) - 187.1, 146.4, 41
536.09 *3*	99	^{130}I(12.36 h) - 668.54, 739.48, 418.01
537.261 *9*	24.39 *7*	^{140}Ba(12.752 d) - 29.9640, 162.660, 304.849
538.11 *10*	0.0110 *9*	^{236}Np(22.5 h) - 642.35, 687.59, 104.234
538.54 *5*	0.382 *12*	^{123}I(13.27 h) - 158.97, 528.96, 440.02
538.90 *5*	13.7 *7*	^{191}Pt(2.802 d) - 409.44, 359.90, 82.407
539.512 *5*		^{100}Mo(1.00×10^{19} y) - 590.792
539.512 *5*	80.6 *4*	^{100}Rh(20.8 h) - 2375.976, 822.654, 1553.348
540.18 *6*	20	^{154}Tb(9.4 h) - 123.071, 247.925, 649.564
541.22 *7*	0.060 *10*	^{93}Mo(6.85 h) - 949.82, 689.07, 385.31
542.867 *15*	48.1 *4*	^{116}Sb(60.3 m) - 1293.558, 972.564, 407.351
544.7 *3*	17.9 *9*	^{129}Sb(4.40 h) - 812.8, 914.6, 1030.1
545.0 *1*	91	^{209}At(5.41 h) - 781.9, 790.2, 195.0
545.117 *7*	4.27 *24*	^{101}Rh(4.34 d) - 306.857, 127.226, 179.636
546.9 *4*	0.280 *14*	^{233}Np(36.2 m) - 312.17, 298.89, 506.5
548.35 *11*	15.3 *8*	^{62}Zn(9.186 h) - 596.56, 40.84, 507.60
548.945 *8*	3.40 *3*	^{129}Cs(32.06 h) - 371.918, 411.490, 39.578
549.76 *4*	0.114 *17*	^{220}Rn(55.6 s)
550.284 *12*	94.5 *7*	^{148}Pm(41.29 d) - 75.7, 62.2
550.284 *12*	22.00 *16*	^{148}Pm(5.370 d) - 1465.12, 914.85, 611.293
550.284 *12*	98.5 *22*	^{148}Eu(54.5 d) - 629.987, 611.293, 553.231
550.7 *1*	5.0	^{248}Bk(23.7 h) - 592.2, 43.38
552.63 *2*	0.0200 *11*	^{83}Br(2.40 h) - 529.635, 520.39, 648.9
552.63 *2*	16.0 *7*	^{83}Rb(86.2 d) - 520.39, 529.635, 790.0
553.231 *14*	12.9 *22*	^{148}Eu(54.5 d) - 550.284, 629.987, 611.293
553.4 *5*	6.9 *7*	^{80}Sr(106.3 m) - 589.0, 175.4, 378.8
554.1 *2*	2.94 *9*	^{129}Ba(2.23 h) - 214.30, 220.83, 129.14
554.348 *2*	70.8 *7*	^{82}Br(35.30 h) - 776.517, 619.106, 698.374
554.348 *2*	62.4 *8*	^{82}Rb(6.472 h) - 776.517, 619.106, 1044.002
554.60 *7*	7.9×10^{-5} *5*	^{244}Cm(18.10 y) - 42.824, 98.860, 152.63
555.796 *23*	92.6 *9*	^{104}Ag(69.2 m) - 767.72, 941.7, 926.2
556.41 *5*	96 *10*	^{102}Rh(207 d) - 475.10, 628.05, 1103.16
556.65 *5*	0.121 *4*	^{129}Te(33.6 d) - 105.50
557.039 *20*	0.8672 *9*	^{103}Ru(39.26 d) - 497.080, 610.33, 443.799
557.429 *21*	1.30 *12*	^{193}Os(30.11 h) - 138.938, 460.547, 73.042
557.7 *3*	11.3 *23*	^{133}Ce(97 m) - 97.261, 76.9, 376.7
557.972 *14*	14.3 *10*	^{190}Re(3.2 h) - 119.12, 0
557.972 *14*	30.1 *9*	^{190}Ir(11.78 d) - 186.718, 605.24, 518.55
558.456 *2*	3.24 *23*	^{114}In(49.51 d) - 725.298
559.101 *5*	45	^{76}As(1.0778 d) - 657.041, 1216.104, 1212.94
559.101 *5*	74	^{76}Br(16.2 h) - 657.041, 1853.67, 1216.104
560.13 *5*	5.4 *5*	^{245}Pu(10.5 h) - 327.428, 308.222, 376.676
560.27 *4*	7	^{195}Hg(41.6 h) - 261.75, 387.87, 200.38
560.44 *2*	73	^{120}I(81.0 m) - 1523.0, 640.85, 601.11
560.45 *3*	0.84 *6*	^{249}Cm(64.15 m) - 634.31, 368.76, 621.87
561.03 *6*	2.40 *14*	^{92}Y(3.54 h) - 934.46, 1405.28, 448.34
561.03 *6*	100	^{92}Nb(3.47×10^{7} y) - 934.46
561.11 *7*	10.9 *6*	^{238}Am(98 m) - 962.77, 918.69, 605.13
561.11 *7*	0.00015 *4*	^{242}Cm(162.8 d) - 44.08, 101.90, 157.42
561.67 *10*	0.013 *3*	^{95}Nb(34.975 d) - 765.794, 204.117
563.246 *5*	0.362 *6*	^{134}La(6.45 m) - 604.721, 1554.946, 1732.12
563.52 *5*	10.5 *5*	^{195}Tl(1.16 h) - 884.47, 1363.88, 242.15
564.119 *17*	71	^{122}Sb(2.7238 d) - 1140.55
564.119 *17*	18	^{122}I(3.63 m) - 692.794, 793.278, 683.647
564.397 *16*	14.7 *8*	^{117}Cd(3.36 h) - 1997.33, 1065.98, 1432.91
566.34 *6*	25.3 *13*	^{240}Np(61.9 m) - 973.9, 600.57, 895.8
567.14 *3*	0.234 *9*	^{132}Cs(6.479 d) - 667.718, 630.19, 505.79
567.14 *3*	15.7 *12*	^{132}La(4.8 h) - 464.55, 1909.91, 663.07
568.80 *12*	58.0 *3*	^{96}Nb(23.35 h) - 778.224, 459.88, 849.929
568.84 *5*	7.1 *3*	^{189}Pt(10.87 h) - 721.41, 94.33, 243.37
569.1 *2*	†91 *12*	^{229}Ac(62.7 m) - 164.522, 261.92, 146.345
569.31 *4*	0.873 *17*	^{97}Ru(2.9 d) - 215.718, 324.48, 460.57
569.310 *14*	13.7 *10*	^{190}Re(3.2 h) - 119.12, 0
569.331 *3*	15.38 *6*	^{134}Cs(2.0648 y) - 847.025
569.5 *1*	8.2 *8*	^{234}Pa(6.70 h) - 131.30, 946.00, 883.24
569.702 *2*	97.74 *3*	^{207}Bi(31.55 y) - 1063.662, 1770.237, 1442.20
570.4 *3*	0.0006	^{208}Po(2.898 y) - 291.7, 601.6, 861.9
570.95 *7*	0.840 *22*	^{210}Rn(2.4 h) - 458.25, 648.70, 72.70
572.9 *1*	15	^{170}Hf(16.01 h) - 164.71, 620.7, 120.19
573.139 *11*	80.3 *17*	^{121}Te(16.78 d) - 507.591, 470.472, 65.548
573.25 *6*	26 *3*	^{193}Hg(11.8 h) - 257.99, 407.63, 932.37
574.17 *3*	0.033	^{69}Zn(13.76 h) - 438.63
574.17 *3*	13.3 *11*	^{69}Ge(39.05 h) - 1107.01, 872.14, 1336.72
574.215 *21*	88 *3*	^{178}Hf(31 y) - 426.383, 325.562, 213.440
574.8 *3*	0.070 *8*	^{226}Ac(29.37 h) - 253.73, 186.05, 67.67
575.10 *10*	0.90 *9*	^{111}Pd(5.5 h) - 172.18
576.0 *2*	0.065 *9*	^{146}Gd(48.27 d) - 154.57, 115.51, 114.71
577.97 *10*	4.5 *3*	^{197}Tl(2.84 h) - 425.84, 152.22, 1411.34
579.298 *13*	72 *5*	^{200}Au(18.7 h) - 332.82, 146.07, 59.97
579.298 *13*	13.8 *7*	^{200}Tl(26.1 h) - 367.943, 1205.717, 828.320
582.082 *3*	0.055 *7*	^{95}Nb(86.6 h) - 235.69
582.082 *3*	29.96 *5*	^{95}Tc(61 d) - 204.117, 835.149, 786.198
583.191 *2*	84.5 *7*	^{208}Tl(3.053 m) - 2614.533, 510.77, 860.564
584.274 *12*	52.6 *14*	^{150}Eu(36.9 y) - 333.971, 439.401, 737.455
584.32 *2*	2.84 *20*	^{254}Es(39.3 h) - 211.80, 177.30, 71.30
585.13 *5*	1.99 *8*	^{195}Hg(9.9 h) - 779.80, 61.46, 180.11
586.2648 *25*	9.4 *6*	^{152}Tb(17.5 h) - 344.2785, 271.131, 778.9040
586.45 *3*	17	^{191}Au(3.18 h) - 277.88, 674.19, 283.91
587.01 *5*	4.21 *6*	^{127}Cs(6.25 h) - 411.95, 124.70, 462.31
587.2 *3*	52	^{198}Tl(1.87 h) - 636.4, 411.80205, 226.2
587.46 *2*	15.6 *5*	^{151}Tb(17.609 h) - 287.357, 251.863, 108.088
587.83 *9*	100	^{89}Nb(1.18 h) - 507.4, 769.69, 1277.5
587.83 *2*	0.1108 *8*	^{135}La(19.5 h) - 480.51, 874.51, 220.94
588.33 *2*	19.2 *10*	^{207}At(1.80 h) - 814.41, 300.654, 467.12
589.0 *5*	39 *4*	^{80}Sr(106.3 m) - 175.4, 553.4, 378.8
589.3 *1*	0.42 *9*	^{146}Pm(5.53 y) - 453.88, 735.72, 146.4
590.44 *6*	12.06 *19*	^{101}Pd(8.47 h) - 296.29, 269.67, 24.46
590.792 *6*		^{100}Mo(1.00×10^{19} y) - 539.512
590.88 *1*	0.069 *3*	^{149}Pm(53.08 h) - 285.95, 859.46, 22.510
592.2	>0.015	^{248}Bk(23.7 h) - 550.7, 43.38
592.6 *1*	3.7 *4*	^{161}Er(3.21 h) - 826.6, 211.15, 314.77
593.31 *9*	0.00228 *19*	^{127}Te(109 d) - 88.26
593.390	11.26 *8*	^{43}K(22.3 h) - 372.760, 617.490, 396.861
593.390	0.0022 *7*	^{43}Sc(3.891 h) - 372.760, 1931.3, 1558.5
595.847 *6*	59 *3*	^{74}As(17.77 d) - 608.353, 1204.208, 887.19
596.56 *13*	26	^{62}Zn(9.186 h) - 40.84, 548.35, 507.60
598.74 *5*	1.47 *6*	^{121}I(2.12 h) - 212.189, 532.08, 475.28
600.1 *1*	14.0 *7*	^{132}I(1.387 h) - 98.0, 22
600.5 *1*	62 *3*	^{194}Ir(171 d) - 482.833, 328.455, 687.7
600.57 *6*	18.4 *9*	^{240}Np(61.9 m) - 566.34, 973.9, 895.8
600.600 *4*	17.86 *5*	^{125}Sb(2.7582 y) - 427.875, 635.954, 463.365
600.66 *5*	0.00049	^{226}Ra(1600 y) - 186.211, 262.27, 414.60
601.11 *2*	5.8 *12*	^{120}I(81.0 m) - 560.44, 1523.0, 640.85
601.6 *2*	0.00049	^{208}Po(2.898 y) - 291.7, 570.4, 861.9
602.729 *3*	98.26 *23*	^{124}Sb(60.20 d) - 1690.983, 722.786, 645.8549
602.729 *3*	63	^{124}I(4.1760 d) - 1690.983, 722.786, 1509.47
604.721 *2*	97.62 *3*	^{134}Cs(2.0648 y) - 847.025
604.721 *2*	5.04 *10*	^{134}La(6.45 m) - 1554.946, 563.246, 1732.12
605.13 *9*	7.6 *5*	^{238}Am(98 m) - 962.77, 918.69, 561.11
605.24 *5*	14.9 *10*	^{190}Re(3.2 h) - 119.12, 0
605.24 *5*	39.9 *14*	^{190}Ir(11.78 d) - 186.718, 518.55, 557.972
606.09 *10*	8.12 *20*	^{79}Kr(35.04 h) - 261.35, 397.54, 306.47
606.76 *2*	18.8 *5*	^{135}Ce(17.7 h) - 265.56, 300.07, 518.05
606.88 *15*	3.1 *3*	^{112}Ag(3.130 h) - 617.516, 1387.67, 694.863
608.151 *12*	2.90 *9*	^{135}Xe(9.14 h) - 249.770, 408.009, 158.260
608.353 *5*	0.552 *12*	^{74}As(17.77 d) - 595.847, 1204.208, 887.19
610.0 *8*	1.47 *21*	^{132}I(1.387 h) - 98.0, 22
610.062 *2*	44.2 *10*	^{172}Er(49.3 h) - 407.338, 68.107, 446.025
610.33 *20*	5.75 *5*	^{103}Ru(39.26 d) - 497.080, 443.799, 557.039
610.5 *5*	11.9 *12*	^{196}Tl(1.84 h) - 426.0, 635.5, 1495.8
610.68 *11*	3.93 *15*	^{187}Ir(10.5 h) - 912.95, 427.12, 400.89
611.293 *8*	1.021 *11*	^{148}Pm(5.370 d) - 1465.12, 550.284, 914.85
611.293 *8*	20.5 *4*	^{148}Eu(54.5 d) - 550.284, 629.987, 553.231
611.5 *1*	5.7 *9*	^{186}Pt(2.2 h) - 689.4, 210.4, 635.3

Energy	Intensity	Parent - Associated γ-rays
612.00 *10*	5.7 *3*	^{86}Zr(16.5 h) - 242.80, 29.10, 135.6
612.46564 *20*	4.34 *4*	^{192}Au(4.94 h) - 316.50791, 295.95827, 2236.89
613.725 *3*	54	^{78}As(90.7 m) - 694.916, 1308.59, 828.189
614.0 *8*	2.5 *7*	^{132}I(1.387 h) - 98.0, 22
614.276 *4*	89.8 *18*	^{108}Ag(418 y) - 722.907, 433.937
616.08 *14*	93.10 *3*	^{190}Ir(3.25 h) - 502.53, 361.136, 186.718
616.6 *1*	25	^{80}Rb(34 s) - 703.9, 639.6, 1256.3
617.490	79.2 *6*	^{43}K(22.3 h) - 372.760, 396.861, 593.390
617.516 *11*	43	^{112}Ag(3.130 h) - 1387.67, 606.88, 694.863
617.8 *3*	12.0 *10*	^{99}Rh(4.7 h) - 340.71, 1261.2, 936.7
618.01 *3*	98.6 *10*	^{144}Pm(363 d) - 696.510, 476.8, 778.5
619.106 *4*	43.4 *4*	^{82}Br(35.30 h) - 776.517, 554.348, 698.374
619.106 *4*	37.976 *8*	^{82}Rb(6.472 h) - 776.517, 554.348, 1044.002
620.18 *4*	57 *3*	^{71}Zn(3.96 h) - 386.28, 487.38, 511.56
620.26 *13*	0.0110 *8*	^{111}Ag(7.45 d) - 342.13, 245.395, 96.75
620.7 *1*	18	^{170}Hf(16.01 h) - 164.71, 120.19, 572.9
621.87 *6*	0.182 *13*	^{249}Cm(64.15 m) - 634.31, 560.45, 368.76
622.53 *8*	0.268 *20*	^{204}Pb(67.2 m) - 899.15, 911.78, 374.72
623.7 *3*	5.5 *3*	^{109}In(4.2 h) - 203.5, 1148.9, 426.25
626.77 *3*	17.8 *5*	^{95}Ru(1.643 h) - 336.43, 1096.76, 1178.66
627.72 *10*	32.6 *10*	^{86}Y(14.74 h) - 1076.64, 1153.01, 777.35
628.05 *5*	3.8 *3*	^{102}Rh(207 d) - 475.10, 1103.16, 468.58
628.66 *3*	3.212 *21*	^{116}Te(2.49 h) - 93.88, 103.01, 637.9
629.1 *2*	24.0 *12*	^{201}Bi(108 m) - 936.2, 1014.1, 786.4
629.95 *3*	24.8 *5*	^{72}Ga(14.10 h) - 834.01, 2201.69, 2507.82
629.95 *3*	7.92 *14*	^{72}As(26.0 h) - 834.01, 1463.95, 1050.73
629.987 *8*	89	^{148}Pm(41.29 d) - 75.7, 62.2
629.987 *8*	71.9 *16*	^{148}Eu(54.5 d) - 550.284, 611.293, 553.231
630.19 *2*	0.95 *3*	^{132}Cs(6.479 d) - 667.718, 505.79, 1317.927
630.34 *3*	0.0293 *6*	^{186}Re(3.7183 d) - 122.30
630.34 *3*	15.6 *12*	^{186}Ir(1.90 h) - 1.5, 767.497, 773.28
631.28 *5*	56 *2*	^{102}Rh(2.9 y) - 475.10, 697.49, 766.84
632.56 *10*	0.010	^{133}Ba(38.9 h)
632.76 *10*	1.01 *9*	^{111}Pd(5.5 h) - 172.18
632.765 *8*	0.624 *19*	^{133}La(3.912 h) - 278.835, 302.353, 290.06
632.99 *2*	1.273 *12*	^{188}Re(17.005 h) - 155.032, 477.99, 931.34
632.99 *2*	18 *3*	^{188}Ir(41.5 h) - 155.032, 2214.62, 477.99
633.083 *23*	2.15 *20*	^{146}Pm(5.53 y) - 453.88, 735.72, 589.3
633.083 *23*	35.9 *8*	^{146}Eu(4.61 d) - 747.159, 634.137, 665.424
633.415 *20*	0.568 *12*	^{165}Dy(2.334 h) - 94.700, 361.68, 715.328
634.137 *21*	45.0 *10*	^{146}Eu(4.61 d) - 747.159, 633.083, 665.424
634.31 *2*	1.5 *1*	^{249}Cm(64.15 m) - 560.45, 368.76, 621.87
634.32 *10*	~0.036	^{74}As(17.77 d) - 595.847, 608.353, 1204.208
634.78 *10*	15.4 *5*	^{74}As(17.77 d) - 595.847, 608.353, 1204.208
635.3 *1*	2.6 *4*	^{186}Pt(2.2 h) - 689.4, 611.5, 210.4
635.5 *1*	9.8 *10*	^{196}Tl(1.84 h) - 426.0, 610.5, 1495.8
635.5 *1*	51 *8*	^{196}Tl(1.41 h) - 426.0, 695.6, 505.2
635.954 *5*	11.31 *9*	^{125}Sb(2.7582 y) - 427.875, 600.600, 463.365
636.4 *3*	10.1 *7*	^{198}Tl(5.3 h) - 411.80205, 675.8836, 1200.6
636.4 *3*	57 *5*	^{198}Tl(1.87 h) - 411.80205, 587.2, 226.2
636.989 *4*	7.17 *9*	^{131}I(8.02070 d) - 364.489, 284.305, 80.185
637.9 *2*	0.753 *21*	^{116}Te(2.49 h) - 93.88, 628.66, 103.01
638.02 *6*	0.00095 *4*	^{113}Sn(115.09 d) - 391.690, 255.05, 382.9
638.050 *16*	0.72 *4*	^{150}Tb(3.48 h) - 511, 496.242, 3383.6
639.30 *14*	6.4 *13*	^{181}Re(19.9 h) - 365.57, 360.70, 953.42
639.6 *1*	1.50 *15*	^{80}Rb(34 s) - 616.6, 703.9, 1256.3
640.85 *5*	9.1 *4*	^{120}I(81.0 m) - 560.44, 1523.0, 601.11
641.285 *9*	47	^{142}La(91.1 m) - 2397.8, 2542.7, 894.9
641.285 *9*	0.0022	^{142}Pr(19.12 h)
641.4 *5*	0.384 *20*	^{142}Pm(40.5 s) - 1575.85, 2384.3, 2845.9
642.35 *9*	0.9	^{236}Np(22.5 h) - 687.59, 538.11, 104.234
643.5 *5*	0.00024	^{236}Pu(2.858 y) - 47.574, 108.96, 166.0
644.01 *4*	84	^{119}Te(16.03 h) - 699.85, 1749.65, 1413.19
644.55 *7*	11.1 *5*	^{105}Ag(41.29 d) - 344.520, 280.41, 443.37
645.157 *16*	1.18 *3*	^{194}Ir(19.28 h) - 328.455, 293.545, 1150.76
645.50 *10*	0.0054 *9*	^{224}Ra(3.66 d) - 240.986, 292.70, 422.04
645.8549 *20*	7.456 *24*	^{124}Sb(60.20 d) - 602.729, 1690.983, 722.786
646.116 *9*	78.0 *8*	^{185}Os(93.6 d) - 874.813, 880.523, 717.424
647.3 *1*	0.024	^{109}Pd(13.7012 h) - 88.04, 311.4, 781.4
648.70 *7*	0.843 *22*	^{210}Rn(2.4 h) - 458.25, 570.95, 72.70
648.80 *2*	28.4 *20*	^{254}Es(39.3 h) - 211.80, 177.30, 71.30
648.9 *1*	0.0124 *10*	^{83}Br(2.40 h) - 529.635, 520.39, 552.63
649.42 *5*	2.6	^{206}Hg(8.15 m) - 304.896, 344.52
649.42 *5*	3.8	^{210}Bi(3.04×10^{6} y) - 265.832, 304.896, 344.52
649.564 *11*	10.9 *6*	^{154}Tb(9.4 h) - 123.071, 247.925, 540.18
650.91 *13*	0.00028 *10*	^{127}Te(109 d) - 88.26
652.12 *2*	16.25 *22*	^{149}Tb(4.118 h) - 352.24, 164.98, 388.57
652.43 *4*	100	^{98}Tc(4.2×10^{6} y) - 745.36
652.9 *2*	8.0 *3*	^{91}Sr(9.63 h) - 1024.3, 749.8, 925.8
653.512 *25*	15.0 *7*	^{145}Eu(5.93 d) - 893.73, 1658.53, 1997.00
654.831 *13*	8.0 *4*	^{149}Nd(1.728 h) - 211.309, 114.314, 270.166
656.008 *4*	10.77 *18*	^{61}Cu(3.333 h) - 282.956, 67.412, 1185.234
657.041 *5*	6.2 *3*	^{76}As(1.0778 d) - 559.101, 1216.104, 1212.94
657.041 *5*	15.9 *7*	^{76}Br(16.2 h) - 559.101, 1853.67, 1216.104
657.49 *3*	32.4 *15*	^{202}Pb(3.53 h) - 490.47, 459.72, 389.94
657.49 *3*	60.6 *18*	^{202}Bi(1.72 h) - 960.67, 422.18, 954.45
657.7622 *21*	94.0 *4*	^{110}Ag(249.79 d) - 116.48, 1.113
657.7622 *21*	98 *5*	^{110}In(69.1 m) - 2129.53, 2211.49, 2317.54
657.7622 *21*	98.3 *20*	^{110}In(4.9 h) - 884.685, 937.493, 707.40
658.08 *6*	98	^{97}Nb(72.1 m) - 1024.49, 1268.68, 1515.59
658.89 *6*	0.0123 *10*	^{127}Te(109 d) - 88.26
660.040 *17*	89 *4*	^{208}At(1.63 h) - 686.527, 177.595, 845.044
661.657 *3*	85.1 *2*	^{137}Cs(30.07 y) - 283.53
662.06 *5*	0.0259 *15*	^{141}La(3.92 h) - 1354.52, 1693.3, 2267.0
662.2 *1*	†266 *30*	^{171}Hf(12.1 h) - 122.0, 347.18, 1071.8
663.07 *3*	9.0 *6*	^{132}La(4.8 h) - 464.55, 567.14, 1909.91
664.571 *15*	5.69 *4*	^{143}Ce(33.039 h) - 293.266, 57.356, 721.929
665.424 *15*	7.23 *15*	^{146}Eu(4.61 d) - 747.159, 634.137, 633.083
666.331 *12*	100	^{126}Sb(12.46 d) - 695.03, 414.81, 720.64
666.331 *12*	33.1 *7*	^{126}I(13.11 d) - 753.819, 1420.17, 2045.17
667.404 *20*	11.04 *19*	^{171}Lu(8.24 d) - 739.78, 19.394, 75.878
667.718 *3*	99	^{132}I(2.295 h) - 772.60, 954.55, 522.65
667.718 *3*	98	^{132}Cs(6.479 d) - 630.19, 505.79, 1317.927
668.54 *3*	96 *3*	^{130}I(12.36 h) - 536.09, 739.48, 418.01
669.60 *7*	0.0035 *6*	^{211}At(7.214 h) - 687.0, 742.64
672.34 *2*	0.87 *3*	^{113}Ag(5.37 h) - 298.60, 258.72, 316.21
674.1 *1*	45	^{211}Rn(14.6 h) - 68.573, 167.90, 236.48
674.19 *3*	6.8 *5*	^{191}Au(3.18 h) - 586.45, 277.88, 283.91
675.41 *22*	0.38 *3*	^{164}Yb(75.8 m) - 40.928, 390.6, 446.74
675.795 *5*	0.514 *7*	^{145}Pr(5.984 h) - 748.278, 72.500, 978.969
675.8836 *7*	0.804 *3*	^{198}Au(2.69517 d) - 411.80205, 1087.684
675.8836 *7*	11	^{198}Tl(5.3 h) - 411.80205, 636.4, 1200.6
676.36 *8*	15.7 *5*	^{105}Ru(4.44 h) - 724.21, 469.37, 316.44
677.516 *7*	9.8 *3*	^{147}Eu(24.1 d) - 197.299, 121.220, 1077.043
678.4 *1*	28.9 *14*	^{211}Rn(14.6 h) - 68.573, 167.90, 236.48
679.0 *10*	53	^{246}Am(39 m) - 205.0, 152.9, 756
680.2 *1*	0.658 *14*	^{93}Y(10.18 h) - 266.9, 947.1, 1917.8
680.516 *10*	0.753 *18*	^{203}Pb(51.873 h) - 279.1967, 401.323
681.8 *6*	0.32 *3*	^{90}Y(3.19 h) - 202.51, 479.17
681.8 *2*	4.4 *5*	^{126}Ba(100 m) - 233.6, 257.6, 241.0
683.647 *19*	0.796 *16*	^{122}I(3.63 m) - 564.119, 692.794, 793.278
684.672 *9*	99.7 *20*	^{93}Mo(6.85 h) - 949.82, 689.07, 541.22
684.88 *7*	9.4 *5*	^{195}Ir(3.8 h) - 100
685.7 *5*	37	^{127}Sb(3.85 d) - 473.0, 783.7, 252.4
685.774 *18*	27.3 *6*	^{187}W(23.72 h) - 479.531, 72.001, 134.243
686.527 *20*	98	^{208}At(1.63 h) - 660.040, 177.595, 845.044
687.0	0.261 *6*	^{211}At(7.214 h) - 669.60, 742.64
687.59 *9*	0.250 *5*	^{236}Np(22.5 h) - 642.35, 538.11, 104.234
687.7 *1*	59 *3*	^{194}Ir(171 d) - 482.833, 328.455, 600.5
688.68 *2*	12.3 *9*	^{254}Es(39.3 h) - 211.80, 177.30, 71.30
689.07 *5*	0.070 *10*	^{93}Mo(6.85 h) - 949.82, 541.22, 385.31
689.4 *1*	70 *11*	^{186}Pt(2.2 h) - 611.5, 210.4, 635.3
692.03 *2*	0.157 *9*	^{57}Co(271.79 d) - 122.0614, 136.4743, 14.41300
692.794 *17*	3.85 *13*	^{122}Sb(2.7238 d) - 1140.55
692.794 *17*	1.355 *25*	^{122}I(3.63 m) - 564.119, 793.278, 683.647
693.79 *2*	24.3 *17*	^{254}Es(39.3 h) - 211.80, 177.30, 71.30
694.4 *10*	43	^{147}Tb(1.7 h) - 1152.4, 139.9, 119.7
694.863 *12*	3.0 *3*	^{112}Ag(3.130 h) - 617.516, 1387.67, 606.88
694.916 *4*	16.7 *11*	^{78}As(90.7 m) - 613.725, 1308.59, 828.189
695.03 *2*	100	^{126}Sb(12.46 d) - 666.331, 414.81, 720.64
695.6 *1*	41 *6*	^{196}Tl(1.41 h) - 426.0, 635.5, 505.2
695.88 *6*	3.071 *12*	^{129}Te(33.6 d) - 105.50
696.510 *5*	1.3	^{144}Pr(17.28 m) - 2185.662, 1489.160, 1387.9
696.510 *5*	99	^{144}Pm(363 d) - 618.01, 476.8, 778.5

Energy	Intensity	Parent - Associated γ-rays
697.49 *8*	44 *2*	^{102}Rh(2.9 y) - 475.10, 631.28, 766.84
698.374 *5*	28.49 *25*	^{82}Br(35.30 h) - 776.517, 554.348, 619.106
699.85 *6*	10.1 *5*	^{119}Te(16.03 h) - 644.01, 1749.65, 1413.19
702.622 *19*	97.9 *20*	^{94}Nb(2.03×10^{4} y) - 871.091
702.622 *19*	99.6 *18*	^{94}Tc(293 m) - 871.091, 849.74, 916.10
703.44 *3*	31	^{205}Bi(15.31 d) - 1764.36, 987.62, 1043.72
703.9 *2*	1.88 *20*	^{80}Rb(34 s) - 616.6, 639.6, 1256.3
707.40 *2*	29.5 *10*	^{110}In(4.9 h) - 657.7622, 884.685, 937.493
708.06 *6*	26.4 *11*	^{139}Nd(5.50 h) - 113.94, 737.96, 982.2
709.17 *7*	5.2 *4*	^{187}Pt(2.35 h) - 106.46, 201.52, 110.04
711.683 *8*	55.32 *22*	^{166}Ho(1200 y) - 184.410, 810.276, 280.459
715.328 *20*	0.534 *11*	^{165}Dy(2.334 h) - 94.700, 361.68, 633.415
717.24 *6*	28.9 *15*	^{106}Rh(131 m) - 511.842, 1045.83, 450.97
717.24 *6*	28.9 *8*	^{106}Ag(8.28 d) - 511.842, 1045.83, 450.97
717.424 *12*	3.94 *4*	^{185}Os(93.6 d) - 646.116, 874.813, 880.523
717.72 *8*	4.05 *22*	^{151}Pm(28.40 h) - 340.08, 167.75, 275.21
719.7 *7*	65	^{117}Te(62 m) - 1716.4, 2300.0, 1090.7
720.22 *17*	0.154 *12*	^{45}Ti(184.8 m) - 1408.6, 1662.4, 425.1
720.24 *6*	6.5 *3*	^{199}Pb(90 m) - 366.90, 353.39, 1135.04
720.64 *4*	53.8 *24*	^{126}Sb(12.46 d) - 695.03, 666.331, 414.81
721.41 *3*	9.3 *4*	^{189}Pt(10.87 h) - 94.33, 568.84, 243.37
721.929 *13*	5.39 *4*	^{143}Ce(33.039 h) - 293.266, 57.356, 664.571
722.12 *8*	7.7 *5*	^{154}Tb(21.5 h) - 123.071, 1274.436, 2187.10
722.786 *4*	10.81 *4*	^{124}Sb(60.20 d) - 602.729, 1690.983, 645.8549
722.786 *4*	10.35 *11*	^{124}I(4.1760 d) - 602.729, 1690.983, 1509.47
722.907 *10*	90.8 *18*	^{108}Ag(418 y) - 433.937, 614.276
723.304 *5*	20.22 *9*	^{154}Eu(8.593 y) - 184.810, 81.99
724.199 *5*	44.17 *13*	^{95}Zr(64.02 d) - 756.729, 235.69
724.21 *8*	47	^{105}Ru(4.44 h) - 469.37, 676.36, 316.44
725.298 *9*	3.24 *23*	^{114}In(49.51 d) - 558.456
725.673 *9*	32.7 *3*	^{148}Pm(41.29 d) - 75.7, 62.2
727.330 *9*	6.58 *5*	^{212}Bi(60.55 m) - 1620.50, 785.37, 1078.62
728.18 *2*	†2200 *60*	^{160}Ho(5.02 h) - 879.383, 962.317, 966.171
729.57 *5*	0.72 *3*	^{129}Te(33.6 d) - 105.50
731.812 *13*	0.007 *3*	^{85}Kr(4.480 h) - 304.87
731.812 *13*	0.0147 *8*	^{85}Sr(67.63 m) - 151.159, 129.820, 450.85
735.72 *6*	22.5 *15*	^{146}Pm(5.53 y) - 453.88, 589.3, 146.4
737.455 *15*	9.60 *19*	^{150}Eu(36.9 y) - 333.971, 439.401, 584.274
737.96 *8*	35	^{139}Nd(5.50 h) - 113.94, 982.2, 708.06
739.42 *5*	4.23 *24*	^{73}Ga(4.86 h) - 297.32, 325.70, 767.8
739.48 *3*	82 *3*	^{130}I(12.36 h) - 536.09, 668.54, 418.01
739.50 *2*	12.13 *12*	^{99}Mo(65.94 h) - 140.511, 181.063, 777.921
739.78 *2*	47.8 *7*	^{171}Lu(8.24 d) - 19.394, 667.404, 75.878
741.98 *4*	1.2×10^{-6} *4*	^{143}Pr(13.57 d)
741.98 *4*	39	^{143}Pm(265 d)
742.64 *8*	28.2 *4*	^{207}Po(5.80 h) - 992.33, 911.79, 405.75
742.64 *8*	0.0010 *3*	^{211}At(7.214 h) - 687.0, 669.60
743.22 *2*	100 *5*	^{128}Sb(9.01 h) - 753.82, 314.12, 526.57
743.36 *3*	93	^{97}Zr(16.91 h) - 507.64, 1147.97, 355.40
743.971 *5*	66 *18*	^{244}Am(10.1 h) - 897.848, 153.863, 99.383
744.233 *13*	90.0 *8*	^{52}Mn(5.591 d) - 1434.068, 935.538, 1333.649
745.36 *4*	102 *7*	^{98}Tc(4.2×10^{6} y) - 652.43
745.9 *1*	0.207 *17*	^{177}Ta(56.56 h) - 112.9498, 208.3664, 1057.8
747.159 *16*	34.0 *16*	^{146}Pm(5.53 y) - 453.88, 735.72, 589.3
747.159 *16*	98.5 *20*	^{146}Eu(4.61 d) - 634.137, 633.083, 665.424
748.278 *5*	0.5250 *21*	^{145}Pr(5.984 h) - 675.795, 72.500, 978.969
748.601 *2*	8.22 *10*	^{149}Gd(9.28 d) - 149.735, 298.634, 346.651
749.8 *1*	23.61 *17*	^{91}Sr(9.63 h) - 1024.3, 652.9, 925.8
749.95 *3*	49.5 *12*	^{56}Ni(6.077 d) - 158.38, 811.85, 269.50
751.637 *18*	0.032 *3*	^{140}Pr(3.39 m) - 1596.210, 306.9, 925.189
753.819 *13*	4.16 *9*	^{126}I(13.11 d) - 666.331, 1420.17, 2045.17
753.82 *2*	100 *5*	^{128}Sb(9.01 h) - 743.22, 314.12, 526.57
755 *2*	†10	^{243}Bk(4.5 h) - 187.1, 536, 146.4
756 *1*	13.3 *11*	^{246}Am(39 m) - 679.0, 205.0, 152.9
756.729 *12*	54	^{95}Zr(64.02 d) - 724.199, 235.69
762.3 *1*	0.192 *9*	^{137}Ce(34.4 h) - 824.82, 169.26, 835.38
762.65 *10*	30	^{83}Sr(32.41 h) - 381.53, 418.37, 381.17
765.794 *7*	100	^{95}Nb(34.975 d) - 204.117, 561.67
765.794 *7*	93.82 *19*	^{95}Tc(20.0 h) - 1073.71, 947.67, 869.60
766.38 *2*	2.2×10^{-5} *2*	^{238}Pu(87.7 y) - 43.498, 99.853, 152.720
766.84 *6*	34 *2*	^{102}Rh(2.9 y) - 475.10, 631.28, 697.49
767.1 *3*	0.191 *13*	^{47}Ca(4.536 d) - 1297.09, 489.23, 807.86
767.40 *19*	3.6 *4*	^{85}Y(4.86 h) - 231.67, 2123.8, 535.61
767.497 *25*	0.0327 *6*	^{186}Re(3.7183 d) - 122.30
767.497 *25*	18.4 *15*	^{186}Ir(1.90 h) - 1.5, 630.34, 773.28
767.72 *8*	65.7 *19*	^{104}Ag(69.2 m) - 555.796, 941.7, 926.2
767.8 *1*	1.44 *8*	^{73}Ga(4.86 h) - 297.32, 325.70, 739.42
768.91 *8*	1.25 *10*	^{164}Tm(2.0 m) - 91.40, 1154.66, 208.08
769.69 *19*	6.5 *6*	^{89}Nb(1.18 h) - 587.83, 507.4, 1277.5
770.6 *2*	0.0030 *3*	^{65}Zn(244.26 d) - 1115.546, 344.95
772.60 *1*	75.6 *13*	^{132}I(2.295 h) - 667.718, 954.55, 522.65
773.28 *3*	8.9 *4*	^{186}Ir(16.64 h) - 296.90, 137.157, 434.84
773.28 *3*	11.7 *10*	^{186}Ir(1.90 h) - 1.5, 767.497, 630.34
773.67 *3*	49.9 *5*	^{131}Te(30 h) - 182.25
776.517 *3*	83.5 *8*	^{82}Br(35.30 h) - 554.348, 619.106, 698.374
776.517 *3*	84	^{82}Rb(6.472 h) - 554.348, 619.106, 1044.002
777.35 *10*	22.4 *6*	^{86}Y(14.74 h) - 1076.64, 627.72, 1153.01
777.921 *20*	4.26 *5*	^{99}Mo(65.94 h) - 140.511, 739.50, 181.063
778.224 *15*	96.45 *19*	^{96}Nb(23.35 h) - 568.80, 459.88, 849.929
778.224 *15*	100	^{96}Tc(4.28 d) - 849.929, 812.581, 1126.965
778.5 *1*	1.51 *5*	^{144}Pm(363 d) - 696.510, 618.01, 476.8
778.817 *10*	18.9 *4*	^{166}Tm(7.70 h) - 2052.36, 184.410, 1273.540
778.9040 *18*	12.942 *19*	^{152}Eu(13.537 y) - 121.7817, 1408.006, 964.079
778.9040 *18*	5.8 *4*	^{152}Tb(17.5 h) - 344.2785, 586.2648, 271.131
779.80 *5*	7	^{195}Hg(9.9 h) - 61.46, 585.13, 180.11
781.4 *2*	0.0112 *12*	^{109}Pd(13.7012 h) - 88.04, 311.4, 647.3
781.9 *1*	83.5 *22*	^{209}At(5.41 h) - 545.0, 790.2, 195.0
783.29 *9*	17	^{50}V(1.4×10^{17} y) - 1553.768
783.7 *5*	15.1 *3*	^{127}Sb(3.85 d) - 685.7, 473.0, 252.4
783.754 *14*	66 *7*	^{183}Hf(1.067 h) - 73.174, 459.069, 397.859
785.09 *6*	18.3 *10*	^{252}Es(471.7 d) - 924.12, 800.01, 139.03
785.37 *8*	1.102 *13*	^{212}Bi(60.55 m) - 727.330, 1620.50, 1078.62
786.198 *4*	0.0158 *21*	^{95}Nb(86.6 h) - 235.69
786.198 *4*	8.66 *4*	^{95}Tc(61 d) - 204.117, 582.082, 835.149
786.4 *5*	9.5 *5*	^{201}Bi(108 m) - 629.1, 936.2, 1014.1
786.99 *6*	50	^{202}Pb(3.53 h) - 490.47, 459.72, 389.94
788.742 *8*	34	^{138}La(1.05×10^{11} y) - 1435.795
788.742 *8*	100 *5*	^{138}Pr(2.12 h) - 1037.8, 302.7, 390.9
790.0 *4*	0.657 *18*	^{83}Rb(86.2 d) - 520.39, 529.635, 552.63
790.2 *1*	63.5 *17*	^{209}At(5.41 h) - 545.0, 781.9, 195.0
792.071 *6*	37.5 *6*	^{184}Re(38.0 d) - 903.279, 111.208, 894.757
793.278 *25*	0.016 *4*	^{122}Sb(2.7238 d) - 1140.55
793.278 *25*	1.327 *25*	^{122}I(3.63 m) - 564.119, 692.794, 683.647
793.60 *9*	0.10 *2*	^{87}Zr(1.68 h) - 1227, 1209.8, 1024
793.75 *3*	18.10 *25*	^{131}Te(30 h) - 182.25
795.864 *4*	85.53 *4*	^{134}Cs(2.0648 y) - 847.025
796.462 *25*	0.0665 *20*	^{107}Cd(6.50 h) - 93.124, 828.93, 324.81
798.80 *4*	61 *4*	^{246}Bk(1.80 d) - 1081.40, 833.60, 1124.29
799.64 *6*	9.4 *10*	^{182}Hf(61.5 m) - 344.1, 224.38, 506.60
801.953 *4*	8.69 *4*	^{134}Cs(2.0648 y) - 847.025
803.10 *5*	0.0050 *8*	^{206}Tl(4.199 m) - 362, 1166
803.10 *5*	99	^{206}Bi(6.243 d) - 881.01, 516.18, 1718.70
803.10 *5*	0.00121 *4*	^{210}Po(138.376 d)
805.75 *6*	0.084 *4*	^{68}Ga(67.629 m) - 1077.35, 1883.09, 1260.97
805.9 *4*	8.4 *9*	^{127}Sn(2.10 h) - 1114.3, 1095.6, 823.1
806.372 *17*	9.5 *3*	^{165}Tm(30.06 h) - 242.917, 47.155, 297.369
807.38 *8*	22.7 *5*	^{206}Po(8.8 d) - 1032.26, 511.36, 286.410
807.86 *10*	6.2 *4*	^{47}Ca(4.536 d) - 1297.09, 489.23, 767.1
810.064 *15*	16.63 *25*	^{172}Lu(6.70 d) - 1093.657, 900.724, 181.528
810.276 *8*	58.08 *22*	^{166}Ho(1200 y) - 184.410, 711.683, 280.459
810.775 *9*	99	^{58}Co(70.86 d) - 863.959, 1674.730
811.79 *5*	9.70 *4*	^{156}Eu(15.19 d) - 88.9667, 1230.68, 1153.67
811.85 *3*	86.0 *9*	^{56}Ni(6.077 d) - 158.38, 749.95, 269.50
812.581 *15*	82 *4*	^{96}Tc(4.28 d) - 778.224, 849.929, 1126.965
812.8 *5*	43	^{129}Sb(4.40 h) - 914.6, 544.7, 1030.1
813.2 *1*	9.2 *6*	^{249}Es(102.2 m) - 379.5, 375.1, 1218.5
814.41 *3*	44.5 *22*	^{207}At(1.80 h) - 588.33, 300.654, 467.12
815.772 *19*	23.28 *19*	^{140}La(1.6781 d) - 1596.210, 487.021, 328.762
815.990 *4*	48.99 *16*	^{168}Tm(93.1 d) - 198.241, 447.515, 184.285
817.04 *5*	0.093 *3*	^{129}Te(33.6 d) - 105.50
818.514 *12*	100	^{136}Cs(13.16 d) - 1048.073, 340.547, 1235.362
820.3 *3*	30	^{203}Bi(11.76 h) - 825.2, 896.9, 1847.4
820.624 *5*	0.00037 *21*	^{95}Nb(86.6 h) - 235.69
822.48 *5*	4.28 *16*	^{125}Sn(9.64 d) - 1067.10, 1089.15, 915.55

Energy	Intensity	Parent - Associated γ-rays
822.654 *7*	21.09 *6*	^{100}Rh(20.8 h) - 539.512, 2375.976, 1553.348
823.1 *4*	10.9 *23*	^{127}Sn(2.10 h) - 1114.3, 1095.6, 805.9
824.82 *12*	0.44	^{137}Ce(34.4 h) - 169.26, 762.3, 835.38
825.2 *1*	14.6 *7*	^{203}Bi(11.76 h) - 820.3, 896.9, 1847.4
826.06 *3*	0.0076 *8*	^{60}Co(5.2714 y) - 1332.501, 1173.237, 346.93
826.6 *1*	64 *3*	^{161}Er(3.21 h) - 211.15, 592.6, 314.77
826.77 *22*	20	^{181}Os(105 m) - 238.75, 118.03, 831.62
828.189 *13*	8.1 *5*	^{78}As(90.7 m) - 613.725, 694.916, 1308.59
828.320 *12*	10.8 *6*	^{200}Tl(26.1 h) - 367.943, 1205.717, 579.298
828.82 *3*	5.5 *9*	^{250}Es(2.22 h) - 989.12, 1031.85, 1167.25
828.82 *3*	72 *4*	^{250}Es(8.6 h) - 303.41, 349.4, 383.7
828.93 *3*	0.17	^{107}Cd(6.50 h) - 93.124, 796.462, 324.81
831.62 *22*	7.7 *10*	^{181}Os(105 m) - 238.75, 826.77, 118.03
831.92 *25*	11.9 *5*	^{150}Pm(2.68 h) - 333.971, 1324.51, 1165.74
833.537 *3*	0.220 *4*	^{66}Cu(5.120 m) - 1039.231, 1333.120, 1872.753
833.537 *3*	5.89 *6*	^{66}Ga(9.49 h) - 1039.231, 2751.852, 2189.631
833.60 *4*	5.0 *3*	^{246}Bk(1.80 d) - 798.80, 1081.40, 1124.29
834.01 *2*	96	^{72}Ga(14.10 h) - 2201.69, 629.95, 2507.82
834.01 *2*	80	^{72}As(26.0 h) - 629.95, 1463.95, 1050.73
834.830 *3*	12.98 *14*	^{88}Kr(2.84 h) - 2392.11, 196.301, 2195.842
834.848 *3*	99.976 *1*	^{54}Mn(312.3 d)
835.149 *5*	26.63 *19*	^{95}Tc(61 d) - 204.117, 582.082, 786.198
835.38 *12*	0.103 *4*	^{137}Ce(34.4 h) - 824.82, 169.26, 762.3
836.7 *1*	1.8	^{137}Pr(1.28 h) - 433.9, 514.0, 160.32
836.79 *6*	19.2 *11*	^{205}Po(1.66 h) - 872.39, 1001.21, 849.83
836.90 *7*	9.8 *5*	^{224}Fr(3.33 m) - 215.983, 131.613, 1340.70
840 *40*	†3	^{243}Bk(4.5 h) - 187.1, 536, 146.4
841.211 *17*	0.79 *7*	^{61}Co(1.650 h) - 67.412, 908.631
841.570 *5*	14.2 *3*	^{152}Eu(9.3116 h) - 963.390, 121.7817, 1389.00
845.044 *20*	19.7 *9*	^{208}At(1.63 h) - 686.527, 660.040, 177.595
845.43 *4*	7.34 *20*	^{87}Kr(76.3 m) - 402.586, 2554.8, 2558.1
846.771 *5*	98.9 *3*	^{56}Mn(2.5785 h) - 1810.772, 2113.123, 2522.88
846.771 *5*	100	^{56}Co(77.27 d) - 1238.282, 2598.459, 1771.351
847.025 *25*	0.00030 *10*	^{134}Cs(2.0648 y)
849.74 *7*	95.7 *18*	^{94}Tc(293 m) - 871.091, 702.622, 916.10
849.83 *7*	25.5 *15*	^{205}Po(1.66 h) - 872.39, 1001.21, 836.79
849.929 *13*	20.45 *19*	^{96}Nb(23.35 h) - 778.224, 568.80, 459.88
849.929 *13*	98 *4*	^{96}Tc(4.28 d) - 778.224, 812.581, 1126.965
850.647 *24*	0.065 *13*	^{88}Y(106.65 d) - 1836.063, 898.042, 2734.086
851.474 *17*	4.56 *3*	^{183}Os(13.0 h) - 381.768, 114.463, 167.844
852.21 *3*	27.0 *6*	^{131}Te(30 h) - 182.25
859.46 *6*	0.109 *3*	^{149}Pm(53.08 h) - 285.95, 590.88, 22.510
860.564 *5*	12.42 *10*	^{208}Tl(3.053 m) - 2614.533, 583.191, 510.77
861.11 *17*	12.4 *21*	^{193}Hg(3.80 h) - 381.60, 257.99, 1118.84
861.35 *5*	0.019 *3*	^{117}In(116.2 m) - 315.302
861.35 *5*	0.31 *3*	^{117}Sb(2.80 h) - 158.562, 1004.51, 1021.0
861.8	32	^{256}Es(7.6 h) - 231.1, 172.6, 1092.9
861.9 *2*	0.00034	^{208}Po(2.898 y) - 291.7, 570.4, 601.6
863.959 *9*	0.683 *11*	^{58}Co(70.86 d) - 810.775, 1674.730
865.09 *12*	0.584 *18*	^{73}Se(7.15 h) - 360.80, 67.03, 510
865.3 *1*	5.9 *5*	^{198}Pb(2.40 h) - 290.3, 365.4, 173.4
868.5 *4*	0.0120 *5*	^{85}Sr(64.84 d) - 514.0067, 151.159, 362.81
869.60 *3*	0.317 *8*	^{95}Tc(20.0 h) - 765.794, 1073.71, 947.67
871.091 *18*	100	^{94}Nb(2.03×10^{4} y) - 702.622
871.091 *18*	100	^{94}Tc(293 m) - 702.622, 849.74, 916.10
872.14 *3*	11.9 *9*	^{69}Ge(39.05 h) - 1107.01, 574.17, 1336.72
872.39 *7*	37	^{205}Po(1.66 h) - 1001.21, 849.83, 836.79
874.51 *2*	0.164 *3*	^{135}La(19.5 h) - 480.51, 587.83, 220.94
874.813 *13*	6.29 *6*	^{185}Os(93.6 d) - 646.116, 880.523, 717.424
875.329 *11*	4.51 *10*	^{133}I(20.8 h) - 529.872, 1298.223, 510.530
875.68 *5*	0.150 *7*	^{62}Cu(9.74 m) - 1172.9, 2301.8, 1128.9
879.383 *3*	30.10 *6*	^{160}Tb(72.3 d) - 298.580, 966.171, 1177.962
879.383 *3*	†1450 *50*	^{160}Ho(5.02 h) - 728.18, 962.317, 966.171
879.876 *13*	0.754 *17*	^{126}I(13.11 d) - 666.331, 753.819, 1420.17
879.876 *13*	1.29 *3*	^{126}Cs(1.64 m) - 388.633, 491.243, 925.24
880.523 *13*	5.17 *6*	^{185}Os(93.6 d) - 646.116, 874.813, 717.424
880.8 *1*	2.19 *11*	^{251}Fm(5.30 h) - 425.4, 480.4, 358.3
881.01 *5*	66.2 *7*	^{206}Bi(6.243 d) - 803.10, 516.18, 1718.70
881.610 *3*	69	^{84}Rb(32.77 d) - 1897.761, 1016.162
883.24 *4*	9.6 *6*	^{234}Pa(6.70 h) - 131.30, 946.00, 569.5
883.984 *20*	29.9 *6*	^{204}Po(3.53 h) - 270.068, 1016.31, 534.90
884.47 *5*	10.0 *5*	^{195}Tl(1.16 h) - 563.52, 1363.88, 242.15
884.685 *3*	72.2 *3*	^{110}Ag(249.79 d) - 116.48, 1.113
884.685 *3*	92.9 *19*	^{110}In(4.9 h) - 657.7622, 937.493, 707.40
887.19 *7*	0.0255 *12*	^{74}As(17.77 d) - 595.847, 608.353, 1204.208
888.80 *5*	25.1 *4*	^{240}Am(50.8 h) - 987.76, 98.860, 42.824
889.277 *3*	99.984 *1*	^{46}Sc(83.79 d) - 1120.545, 2010
889.753 *21*	5.36 *14*	^{169}Lu(34.06 h) - 960.622, 191.2137, 1449.74
889.96 *2*	1.530 *23*	^{250}Bk(3.217 h) - 989.12, 1031.85, 1028.65
891.5 *10*	†114 *12*	^{244}Bk(4.35 h) - 217.6, 921.5, 490.5
893.73 *3*	66 *3*	^{145}Eu(5.93 d) - 653.512, 1658.53, 1997.00
894.351 *12*	19.8 *3*	^{232}Pa(1.31 d) - 969.315, 150.059, 453.655
894.757 *6*	15.6 *3*	^{184}Re(38.0 d) - 903.279, 792.071, 111.208
894.9 *4*	8.34 *14*	^{142}La(91.1 m) - 641.285, 2397.8, 2542.7
895.8 *1*	13.6 *6*	^{240}Np(61.9 m) - 566.34, 973.9, 600.57
896.28 *6*	0.47	^{209}Po(102 y) - 260.48, 262.81
896.9 *3*	13	^{203}Bi(11.76 h) - 820.3, 825.2, 1847.4
897.848 *7*	28 *8*	^{244}Am(10.1 h) - 743.971, 153.863, 99.383
898.042 *3*	14.04 *9*	^{88}Rb(17.78 m) - 1836.063, 2677.892, 1382.406
898.042 *3*	93.7 *3*	^{88}Y(106.65 d) - 1836.063, 2734.086, 850.647
898.68 *10*	5.8 *3*	^{230}Pa(17.4 d) - 951.95, 918.48, 454.95
899.15 *3*	99	^{204}Pb(67.2 m) - 911.78, 374.72, 622.53
899.15 *3*	98 *8*	^{204}Bi(11.22 h) - 374.72, 984.02, 911.78
899.43	0.0515 *25*	^{42}K(12.360 h) - 1524.70, 312.6, 1922.18
900.724 *20*	29.8 *4*	^{172}Lu(6.70 d) - 1093.657, 181.528, 810.064
903.279 *7*	37.9 *6*	^{184}Re(38.0 d) - 792.071, 111.208, 894.757
907.56 *11*	5.7 *3*	^{201}Pb(9.33 h) - 331.19, 361.27, 945.96
908.631 *17*	3.6 *3*	^{61}Co(1.650 h) - 67.412, 841.211
908.8 *2*	2.60 *15*	^{237}Am(73.0 m) - 280.23, 438.4, 473.5
908.96 *4*	0.010	^{89}Sr(50.53 d)
908.96 *4*	100	^{89}Zr(78.41 h) - 1713.06, 1744.52, 1657.28
909.847 *18*	0.0703 *15*	^{121}Te(154 d) - 1102.149, 37.138, 998.291
911.204 *4*	25.8 *4*	^{228}Ac(6.15 h) - 968.971, 338.320, 964.766
911.204 *4*	23.0 *11*	^{228}Pa(22 h) - 463.004, 968.971, 964.766
911.78 *7*	90.69 *10*	^{204}Pb(67.2 m) - 899.15, 374.72, 622.53
911.78 *7*	13.5 *16*	^{204}Bi(11.22 h) - 899.15, 374.72, 984.02
911.79 *9*	16.95 *24*	^{207}Po(5.80 h) - 992.33, 742.64, 405.75
912.73 *9*	1.78 *10*	^{92}Nb(10.15 d) - 934.46, 1847.27, 1132.24
912.95 *4*	4.79 *18*	^{187}Ir(10.5 h) - 427.12, 400.89, 610.68
913.93 *11*	9.0 *5*	^{85}Y(2.68 h) - 231.67, 504.45, 409.5
914.6 *5*	20.0 *11*	^{129}Sb(4.40 h) - 812.8, 544.7, 1030.1
914.85 *3*	11.46 *9*	^{148}Pm(5.370 d) - 1465.12, 550.284, 611.293
915.55 *5*	4.13 *16*	^{125}Sn(9.64 d) - 1067.10, 1089.15, 822.48
916.10 *15*	7.6 *4*	^{94}Tc(293 m) - 871.091, 702.622, 849.74
918.48 *10*	8.2 *4*	^{230}Pa(17.4 d) - 951.95, 454.95, 898.68
918.69 *4*	23.0 *14*	^{238}Am(98 m) - 962.77, 561.11, 605.13
920.932 *9*	32.0 *8*	^{184}Ta(8.7 h) - 414.03, 252.848, 111.208
920.932 *9*	8.14 *12*	^{184}Re(169 d) - 252.848, 216.548, 161.269
921.2 *3*	0.210 *16*	^{150}Eu(12.8 h) - 333.971, 406.52, 1165.74
921.5 *10*	†22 *3*	^{244}Bk(4.35 h) - 891.5, 217.6, 490.5
923.98 *2*	2.86 *9*	^{238}Np(2.117 d) - 984.45, 1028.54, 1025.87
924.12 *5*	2.41 *16*	^{252}Es(471.7 d) - 800.01, 785.09, 139.03
925.189 *21*	0.0260 *25*	^{140}Pr(3.39 m) - 1596.210, 306.9, 751.637
925.24 *5*	4.56 *8*	^{126}Cs(1.64 m) - 388.633, 491.243, 879.876
925.8 *2*	3.84 *3*	^{91}Sr(9.63 h) - 1024.3, 749.8, 652.9
926.2 *1*	12.5 *15*	^{104}Ag(69.2 m) - 555.796, 767.72, 941.7
929.01 *7*	20.2 *8*	^{147}Gd(38.06 h) - 229.32, 396.00, 370.0
931.3 *2*	75	^{55}Co(17.53 h) - 477.2, 1408.4, 1316.4
931.34 *2*	0.553 *5*	^{188}Re(17.005 h) - 155.032, 632.99, 477.99
932.37 *15*	12.5 *13*	^{193}Hg(11.8 h) - 257.99, 407.63, 573.25
933.8 *7*	2.000 *6*	^{115}Cd(44.6 d) - 1290.580, 484.470, 1132.570
934.46 *5*	13.9 *8*	^{92}Y(3.54 h) - 1405.28, 561.03, 448.34
934.46 *5*	99	^{92}Nb(10.15 d) - 912.73, 1847.27, 1132.24
934.46 *5*	100	^{92}Nb(3.47×10^{7} y) - 561.03
935.538 *11*	94.5 *9*	^{52}Mn(5.591 d) - 1434.068, 744.233, 1333.649
936.2 *5*	11.3 *6*	^{201}Bi(108 m) - 629.1, 1014.1, 786.4
936.7 *4*	2.20 *6*	^{99}Rh(4.7 h) - 340.71, 617.8, 1261.2
937.2 *2*	10.8 *4*	^{162}Ho(67.0 m) - 185.005, 1220.0, 282.864
937.493 *4*	34.13 *11*	^{110}Ag(249.79 d) - 116.48, 1.113
937.493 *4*	68.4 *14*	^{110}In(4.9 h) - 657.7622, 884.685, 707.40
941.7 *1*	25.0 *23*	^{104}Ag(69.2 m) - 555.796, 767.72, 926.2
941.72 *5*	38.3 *10*	^{28}Mg(20.91 h) - 30.6383, 1342.27, 400.56
942.80 *11*	18.8 *17*	^{182}Hf(61.5 m) - 344.1, 224.38, 506.60
944.09 *5*	44	^{158}Tb(180 y) - 962.06, 79.5104, 181.930

Energy	Intensity	Parent - Associated γ-rays
944.104 *7*	7.76 *9*	^{48}V(15.9735 d) - 983.517, 1312.096, 2240.375
945.61 *4*	†366 *40*	^{158}Ho(11.3 m) - 218.221, 98.918, 948.78
945.96 *8*	7.4 *6*	^{201}Pb(9.33 h) - 331.19, 361.27, 907.56
946.00 *3*	13.4 *8*	^{234}Pa(6.70 h) - 131.30, 883.24, 569.5
946 *2*	†~8	^{243}Bk(4.5 h) - 187.1, 536, 146.4
947.1 *1*	2.09 *11*	^{93}Y(10.18 h) - 266.9, 1917.8, 680.2
947.67 *2*	1.951 *19*	^{95}Tc(20.0 h) - 765.794, 1073.71, 869.60
948.78 *5*	†345 *10*	^{158}Ho(11.3 m) - 218.221, 98.918, 945.61
949.82 *3*	0.120 *10*	^{93}Mo(6.85 h) - 689.07, 541.22, 385.31
951.95 *5*	29.1 *14*	^{230}Pa(17.4 d) - 918.48, 454.95, 898.68
953.31 *7*	3.52 *14*	^{92}Sr(2.71 h) - 1383.93, 430.49, 241.56
953.42 *16*	3.6 *9*	^{181}Re(19.9 h) - 365.57, 360.70, 639.30
954.45 *4*	7.8 *5*	^{202}Bi(1.72 h) - 960.67, 422.18, 657.49
954.55 *9*	17.6 *5*	^{132}I(2.295 h) - 667.718, 772.60, 522.65
960.1 *1*	0.069 *6*	^{202}Tl(12.23 d) - 439.56, 520.2
960.622 *20*	23.4 *5*	^{169}Lu(34.06 h) - 191.2137, 1449.74, 889.753
960.67 *5*	92 *8*	^{202}Pb(3.53 h) - 490.47, 459.72, 389.94
960.67 *5*	99	^{202}Bi(1.72 h) - 422.18, 657.49, 954.45
961.22 *8*	†183 *13*	^{184}Ir(3.09 h) - 263.97, 119.80, 390.38
962.06 *4*	20.3 *4*	^{158}Tb(180 y) - 944.09, 79.5104, 181.930
962.317 *4*	†1300 *50*	^{160}Ho(5.02 h) - 728.18, 879.383, 966.171
962.77 *3*	28	^{238}Am(98 m) - 918.69, 561.11, 605.13
963.390 *12*	11.67 *10*	^{152}Eu(9.3116 h) - 841.570, 121.7817, 1389.00
964.079 *18*	14.605 *21*	^{152}Eu(13.537 y) - 344.2785, 778.9040, 411.1163
964.766 *10*	4.99 *9*	^{228}Ac(6.15 h) - 911.204, 968.971, 338.320
964.766 *10*	11.4 *6*	^{228}Pa(22 h) - 911.204, 463.004, 968.971
966.171 *3*	25.10 *12*	^{160}Tb(72.3 d) - 879.383, 298.580, 1177.962
966.171 *3*	†1200 *50*	^{160}Ho(5.02 h) - 728.18, 879.383, 962.317
968.971 *17*	15.8 *3*	^{228}Ac(6.15 h) - 911.204, 338.320, 964.766
968.971 *17*	13.9 *8*	^{228}Pa(22 h) - 911.204, 463.004, 964.766
969.315 *11*	41.6 *19*	^{232}Pa(1.31 d) - 894.351, 150.059, 453.655
969.458 *20*	0.630 *19*	^{128}Cs(3.66 m) - 442.901, 526.557, 1140.079
970.350 *9*	0.588 *20*	^{152}Eu(9.3116 h) - 841.570, 963.390, 121.7817
972.564 *19*	74.2 *7*	^{116}Sb(60.3 m) - 1293.558, 542.867, 407.351
973.9 *1*	23.8 *12*	^{240}Np(61.9 m) - 566.34, 600.57, 895.8
978.969 *15*	0.256 *5*	^{145}Pr(5.984 h) - 748.278, 675.795, 72.500
982.2 *2*	26.4 *8*	^{139}Nd(5.50 h) - 113.94, 737.96, 708.06
983.517 *5*	100.1 *3*	^{48}Sc(43.67 h) - 1312.096, 1037.599, 175.361
983.517 *5*	99.98 *20*	^{48}V(15.9735 d) - 1312.096, 944.104, 2240.375
984.02 *2*	59 *3*	^{204}Bi(11.22 h) - 899.15, 374.72, 911.78
984.45 *2*	27.8	^{238}Np(2.117 d) - 1028.54, 1025.87, 923.98
985.10 *10*	5.54 *18*	^{170}Lu(2.012 d) - 84.25474, 1280.25, 2041.88
987.62 *3*	16.13 *16*	^{205}Bi(15.31 d) - 1764.36, 703.44, 1043.72
987.76 *6*	73.2 *10*	^{240}Am(50.8 h) - 888.80, 98.860, 42.824
989.12 *2*	45	^{250}Bk(3.217 h) - 1031.85, 1028.65, 889.96
989.12 *2*	13.3 *9*	^{250}Es(2.22 h) - 1031.85, 828.82, 1167.25
992.128 *13*	0.546 *11*	^{174}Lu(142 d) - 272.918, 176.645, 76.471
992.33 *9*	59.3 *7*	^{207}Po(5.80 h) - 742.64, 911.79, 405.75
996.82	0.0014 *2*	^{24}Na(14.9590 h) - 1368.633, 2754.028, 3866.19
998.291 *11*	0.0796 *18*	^{121}Te(154 d) - 1102.149, 37.138, 909.847
1001.21 *7*	28.8 *15*	^{205}Po(1.66 h) - 872.39, 849.83, 836.79
1001.85	1.2	^{44}Sc(58.6 h) - 1126.08, 1157.031
1004.51 *15*	0.0062 *13*	^{117}In(116.2 m) - 315.302
1004.51 *15*	0.21 *3*	^{117}Sb(2.80 h) - 158.562, 861.35, 1021.0
1004.725 *6*	18.01 *5*	^{154}Eu(8.593 y) - 184.810, 81.99
1013.808 *11*	20.20 *17*	^{148}Pm(41.29 d) - 75.7, 62.2
1014.1 *5*	10.7 *5*	^{201}Bi(108 m) - 629.1, 936.2, 786.4
1016.162 *13*	0.349 *10*	^{84}Rb(32.77 d) - 881.610, 1897.761
1016.31 *2*	24.1 *5*	^{204}Po(3.53 h) - 883.984, 270.068, 534.90
1020.6 *5*	0.0068 *14*	^{117}In(116.2 m) - 315.302
1021.0 *5*	0.112 *17*	^{117}Sb(2.80 h) - 158.562, 861.35, 1004.51
1021.00 *20*	0.00193 *10*	^{123}Sn(129.2 d) - 1088.64, 1030.23, 160.33
1023.1 *2*	99.4 *3*	^{120}Sb(5.76 d) - 1171.3, 197.3, 89.9
1024 *1*	0.28 *2*	^{87}Zr(1.68 h) - 1227, 1209.8, 793.60
1024.3 *1*	33	^{91}Sr(9.63 h) - 749.8, 652.9, 925.8
1024.49 *11*	1.09 *7*	^{97}Nb(72.1 m) - 658.08, 1268.68, 1515.59
1025.87 *2*	9.6 *5*	^{238}Np(2.117 d) - 984.45, 1028.54, 923.98
1028.54 *2*	20.3 *8*	^{238}Np(2.117 d) - 984.45, 1025.87, 923.98
1028.65 *2*	4.90 *13*	^{250}Bk(3.217 h) - 989.12, 1031.85, 889.96
1030.1 *6*	12.6 *8*	^{129}Sb(4.40 h) - 812.8, 914.6, 544.7
1030.23 *10*	0.0310 *12*	^{123}Sn(129.2 d) - 1088.64, 1021.00, 160.33
1031.70 *3*	0.125 *5*	^{132}Cs(6.479 d) - 667.718, 630.19, 505.79

Energy	Intensity	Parent - Associated γ-rays
1031.85 *2*	35.6 *5*	^{250}Bk(3.217 h) - 989.12, 1028.65, 889.96
1031.85 *2*	10.6 *8*	^{250}Es(2.22 h) - 989.12, 828.82, 1167.25
1032.26 *10*	32.9 *7*	^{206}Po(8.8 d) - 511.36, 286.410, 807.38
1034.85 *5*	6.02 *6*	^{183}Os(9.9 h) - 1101.94, 1107.92, 484.40
1036.4 *3*	10.3 *2*	^{177}W(135 m) - 115.65, 426.98, 115.05
1037.599 *26*	97.6 *5*	^{48}Sc(43.67 h) - 1312.096, 983.517, 175.361
1037.8 *1*	101 *5*	^{138}Pr(2.12 h) - 788.742, 302.7, 390.9
1039.231 *6*	9	^{66}Cu(5.120 m) - 833.537, 1333.120, 1872.753
1039.231 *6*	37	^{66}Ga(9.49 h) - 2751.852, 833.537, 2189.631
1039.928 *17*	0.095 *4*	^{52}Fe(8.275 h) - 168.688, 377.748, 1727.57
1043.72 *3*	7.51 *9*	^{205}Bi(15.31 d) - 1764.36, 703.44, 987.62
1044.002 *5*	32.068 *8*	^{82}Rb(6.472 h) - 776.517, 554.348, 619.106
1045.83 *8*	30.4 *15*	^{106}Rh(131 m) - 511.842, 717.24, 450.97
1045.83 *8*	29.6 *10*	^{106}Ag(8.28 d) - 511.842, 717.24, 450.97
1048.073 *20*	80 *3*	^{136}Cs(13.16 d) - 818.514, 340.547, 1235.362
1050.65 *3*	97 *5*	^{118}Sb(5.00 h) - 1229.68, 253.678, 40.8
1050.73 *4*	0.984 *21*	^{72}As(26.0 h) - 834.01, 629.95, 1463.95
1057.8 *1*	0.29 *3*	^{177}Ta(56.56 h) - 112.9498, 208.3664, 745.9
1061.61 *9*	0.000762 *25*	^{176}Lu(3.635 h) - 82.13
1063.662 *4*	74.5 *2*	^{207}Bi(31.55 y) - 569.702, 1770.237, 1442.20
1065.04 *8*	0.0164 *21*	^{174}Lu(3.31 y) - 76.471, 1241.847, 1318.296
1065.98 *3*	23.1 *5*	^{117}Cd(3.36 h) - 1997.33, 564.397, 1432.91
1067.10 *5*	10	^{125}Sn(9.64 d) - 1089.15, 822.48, 915.55
1071.8 *1*	†148 *15*	^{171}Hf(12.1 h) - 122.0, 662.2, 347.18
1073.71 *2*	3.74 *4*	^{95}Tc(20.0 h) - 765.794, 947.67, 869.60
1076.64 *4*	9	^{86}Rb(18.631 d)
1076.64 *4*	83	^{86}Y(14.74 h) - 627.72, 1153.01, 777.35
1077.043 *6*	6.15 *19*	^{147}Eu(24.1 d) - 197.299, 121.220, 677.516
1077.35 *4*	3.0	^{68}Ga(67.629 m) - 1883.09, 805.75, 1260.97
1078.62 *10*	0.564 *19*	^{212}Bi(60.55 m) - 727.330, 1620.50, 785.37
1080.21 *8*	5.6 *3*	^{177}Yb(1.911 h) - 150.392, 1241.2, 121.6211
1081.40 *6*	5.8 *4*	^{246}Bk(1.80 d) - 798.80, 833.60, 1124.29
1087.684 *3*	0.159 *2*	^{198}Au(2.69517 d) - 411.80205, 675.8836
1088.64 *10*	0.6	^{123}Sn(129.2 d) - 1030.23, 1021.00, 160.33
1089.15 *10*	4.59 *16*	^{125}Sn(9.64 d) - 1067.10, 822.48, 915.55
1089.737 *5*	1.727 *6*	^{152}Eu(13.537 y) - 121.7817, 1408.006, 964.079
1089.8	>2.8	^{155}Dy(9.9 h) - 226.918, 184.564, 1090.0
1090.0	>2.8	^{155}Dy(9.9 h) - 226.918, 184.564, 1089.8
1090.7 *7*	6.9 *7*	^{117}Te(62 m) - 719.7, 1716.4, 2300.0
1091.331 *17*	0.149 *6*	^{196}Au(6.183 d) - 355.684, 332.983, 521.175
1092.9	15	^{256}Es(7.6 h) - 861.8, 231.1, 172.6
1093.4 *3*	2.79 *24*	^{123}Xe(2.08 h) - 148.9, 178.1, 330.2
1093.657 *13*	6.0 *3*	^{172}Tm(63.6 h) - 78.7426, 1387.093, 1529.72
1093.657 *13*	62.5 *13*	^{172}Lu(6.70 d) - 900.724, 181.528, 810.064
1095.490 *10*	4.08 *6*	^{71}As(65.28 h) - 174.954, 499.876, 326.785
1095.6 *4*	20 *4*	^{127}Sn(2.10 h) - 1114.3, 823.1, 805.9
1096.76 *6*	21.0 *10*	^{95}Ru(1.643 h) - 336.43, 626.77, 1178.66
1099.251 *4*	56.5 *15*	^{59}Fe(44.503 d) - 1291.596, 192.349, 142.652
1101.94 *4*	49.0 *5*	^{183}Os(9.9 h) - 1107.92, 1034.85, 484.40
1102.149 *18*	2.54 *6*	^{121}Te(154 d) - 37.138, 998.291, 909.847
1103.16 *4*	2.42 *8*	^{102}Rh(207 d) - 475.10, 628.05, 468.58
1107.01 *6*	36	^{69}Ge(39.05 h) - 574.17, 872.14, 1336.72
1107.92 *4*	22.36 *20*	^{183}Os(9.9 h) - 1101.94, 1034.85, 484.40
1112.074 *4*	13.644 *21*	^{152}Eu(13.537 y) - 121.7817, 1408.006, 964.079
1113.5 *3*	0.0490 *14*	^{163}Er(75.0 m) - 436.1, 439.94, 297.88
1114.3 *4*	39 *4*	^{127}Sn(2.10 h) - 1095.6, 823.1, 805.9
1115.546 *4*	15.43 *9*	^{65}Ni(2.5172 h) - 1481.84, 366.27, 1623.42
1115.546 *4*	50.60 *24*	^{65}Zn(244.26 d) - 344.95, 770.6
1118.84 *17*	8.0 *12*	^{193}Hg(3.80 h) - 381.60, 861.11, 257.99
1120.545 *4*	99.987 *1*	^{46}Sc(83.79 d) - 889.277, 2010
1121.3007 *5*	34.9 *1*	^{182}Ta(114.43 d) - 67.74970, 1221.4066, 1189.0503
1121.3007 *5*	32	^{182}Re(12.7 h) - 67.74970, 1221.4066, 1189.0503
1121.3007 *5*	22.0 *6*	^{182}Re(64.0 h) - 229.3207, 67.74970, 1221.4066
1124.29 *4*	~4.4	^{246}Bk(1.80 d) - 798.80, 1081.40, 833.60
1125.25 *8*	2.30 *8*	^{202}Au(28.8 s) - 439.56, 1306.5, 1204.1
1125.46 *4*	14.9 *3*	^{131}Te(30 h) - 182.25
1126.08	1.2	^{44}Sc(58.6 h) - 1001.85, 1157.031
1126.8 *2*	0.8	^{141}Nd(2.49 h) - 1292.6, 1147.2, 145.4405
1126.965 *21*	15.2 *12*	^{96}Tc(4.28 d) - 778.224, 849.929, 812.581
1128.9 *1*	0.0324 *17*	^{62}Cu(9.74 m) - 1172.9, 875.68, 2301.8
1129.224 *15*	92.7 *4*	^{90}Nb(14.60 h) - 2318.968, 141.178, 2186.242
1129.67 *10*	2.5 *2*	^{26}Al(7.17×10^{5} y) - 1808.65, 2938

Energy	Intensity	Parent - Associated γ-rays
1131.511 *18*	22.74 *14*	^{135}I(6.57 h) - 1260.409, 1678.027, 1457.56
1132.24 *8*	0.005	^{92}Nb(10.15 d) - 934.46, 912.73, 1847.27
1132.570 *10*	0.0856 *10*	^{115}Cd(44.6 d) - 933.8, 1290.580, 484.470
1135.04 *8*	7.8 *4*	^{199}Pb(90 m) - 366.90, 353.39, 720.24
1136.75 *7*	7.66 *7*	^{119}Te(4.70 d) - 153.59, 1212.73, 270.53
1140.079 *23*	1.168 *11*	^{128}Cs(3.66 m) - 442.901, 526.557, 969.458
1140.55 *3*	0.76 *4*	^{122}Sb(2.7238 d)
1147.2 *2*	0.306 *12*	^{141}Nd(2.49 h) - 1126.8, 1292.6, 145.4405
1147.97 *8*	2.61 *10*	^{97}Zr(16.91 h) - 743.36, 507.64, 355.40
1148.9 *4*	4.3 *4*	^{109}In(4.2 h) - 203.5, 623.7, 426.25
1150.76 *4*	0.601 *17*	^{194}Ir(19.28 h) - 328.455, 293.545, 645.157
1152.4 *1*	100 *8*	^{147}Tb(1.7 h) - 694.4, 139.9, 119.7
1153.01 *4*	30.5 *9*	^{86}Y(14.74 h) - 1076.64, 627.72, 777.35
1153.67 *10*	6.79 *6*	^{156}Eu(15.19 d) - 811.79, 88.9667, 1230.68
1154.66 *5*	1.64 *13*	^{164}Tm(2.0 m) - 91.40, 768.91, 208.08
1157.031	99.9	^{44}Sc(3.927 h) - 1499.43, 2656.41, 2144.2
1157.031	1.2	^{44}Sc(58.6 h) - 1001.85, 1126.08
1159.28 *9*	0.00139 *4*	^{176}Lu(3.635 h) - 82.13
1159.28 *9*	25	^{176}Ta(8.09 h) - 88.34, 1224.93, 201.83
1165.74 *3*	15.8 *6*	^{150}Pm(2.68 h) - 333.971, 1324.51, 831.92
1165.74 *3*	0.257 *24*	^{150}Eu(12.8 h) - 333.971, 406.52, 921.2
1166 *3*		^{206}Tl(4.199 m) - 803.10, 362
1167.25 *3*	2.94 *20*	^{250}Es(2.22 h) - 989.12, 1031.85, 828.82
1171.3 *2*	100	^{120}Sb(5.76 d) - 1023.1, 197.3, 89.9
1172.9 *1*	0.34	^{62}Cu(9.74 m) - 875.68, 2301.8, 1128.9
1173.237 *4*	99.9736 *7*	^{60}Co(5.2714 y) - 1332.501, 346.93, 826.06
1177.962 *4*	14.87 *6*	^{160}Tb(72.3 d) - 879.383, 298.580, 966.171
1178.66 *6*	5.16 *25*	^{95}Ru(1.643 h) - 336.43, 1096.76, 626.77
1181.39 *1*	99.3 *25*	^{210}At(8.1 h) - 82.802, 106, 167
1185.234 *15*	3.75 *7*	^{61}Cu(3.333 h) - 282.956, 656.008, 67.412
1189.0503 *5*	16.23 *4*	^{182}Ta(114.43 d) - 67.74970, 1121.3007, 1221.4066
1189.0503 *5*	15.0 *6*	^{182}Re(12.7 h) - 67.74970, 1121.3007, 1221.4066
1200.6 *2*	9.7 *10*	^{198}Tl(5.3 h) - 411.80205, 675.8836, 636.4
1204.1 *1*	2.01 *16*	^{202}Au(28.8 s) - 439.56, 1125.25, 1306.5
1204.208 *12*	0.285 *18*	^{74}As(17.77 d) - 595.847, 608.353, 887.19
1204.77 *6*	0.30	^{91}Y(58.51 d)
1204.77 *6*	2.9	^{91}Nb(60.86 d)
1205.717 *14*	29.9 *17*	^{200}Tl(26.1 h) - 367.943, 579.298, 828.320
1205.92 *4*	4.9 *4*	^{174}Ta(1.05 h) - 206.50, 91.00, 1228.33
1209.8 *7*	0.33 *2*	^{87}Zr(1.68 h) - 1227, 1024, 793.60
1212.73 *7*	66	^{119}Te(4.70 d) - 153.59, 270.53, 1136.75
1212.94 *4*	1.44 *9*	^{76}As(1.0778 d) - 559.101, 657.041, 1216.104
1216.104 *20*	3.42 *18*	^{76}As(1.0778 d) - 559.101, 657.041, 1212.94
1216.104 *20*	8.8 *4*	^{76}Br(16.2 h) - 559.101, 657.041, 1853.67
1218.5 *1*	1.5 *1*	^{249}Es(102.2 m) - 379.5, 813.2, 375.1
1220.0 *2*	22.5 *12*	^{162}Ho(67.0 m) - 185.005, 282.864, 937.2
1221.4066 *5*	26.98 *10*	^{182}Ta(114.43 d) - 67.74970, 1121.3007, 1189.0503
1221.4066 *5*	24.8 *10*	^{182}Re(12.7 h) - 67.74970, 1121.3007, 1189.0503
1221.4066 *5*	17.4 *4*	^{182}Re(64.0 h) - 229.3207, 67.74970, 1121.3007
1222.36 *7*	31.00 *12*	^{156}Tb(5.35 d) - 534.318, 199.2132, 88.9667
1224.93 *7*	6	^{176}Ta(8.09 h) - 1159.28, 88.34, 201.83
1227 *1*	1.0	^{87}Zr(1.68 h) - 1209.8, 1024, 793.60
1228.33 *7*	1.4 *4*	^{174}Ta(1.05 h) - 206.50, 91.00, 1205.92
1229.68 *2*	100 *5*	^{118}Sb(5.00 h) - 253.678, 1050.65, 40.8
1230.68 *6*	7.98 *3*	^{156}Eu(15.19 d) - 811.79, 88.9667, 1153.67
1235.362 *23*	20.0 *7*	^{136}Cs(13.16 d) - 818.514, 1048.073, 340.547
1238.282 *7*	67.6 *4*	^{56}Co(77.27 d) - 846.771, 2598.459, 1771.351
1241.2 *2*	3.47 *17*	^{177}Yb(1.911 h) - 150.392, 1080.21, 121.6211
1241.847 *6*	5.14 *10*	^{174}Lu(3.31 y) - 76.471, 1318.296, 1065.04
1243.9 *1*	3.50 *8*	^{230}Ac(122 s) - 454.95, 508.20, 1347.7
1254.7 *2*	0.026 *3*	^{139}Ba(83.06 m) - 165.864, 1420.5, 1310.6
1256.3 *2*	0.57 *8*	^{80}Rb(34 s) - 616.6, 703.9, 639.6
1256.901 *19*	0.81 *4*	^{122}Sb(2.7238 d) - 1140.55
1260.409 *17*	28.90 *17*	^{135}I(6.57 h) - 1131.511, 1678.027, 1457.56
1260.97 *5*	0.083 *4*	^{68}Ga(67.629 m) - 1077.35, 1883.09, 805.75
1261.2 *4*	11	^{99}Rh(4.7 h) - 340.71, 617.8, 936.7
1266.12 *11*	0.07	^{31}Si(157.3 m)
1268.68 *9*	0.148 *20*	^{97}Nb(72.1 m) - 658.08, 1024.49, 1515.59
1269.06 *10*	0.0018 *6*	^{74}As(17.77 d) - 595.847, 608.353, 1204.208
1269.34 *2*	0.93 *4*	^{178}Lu(28.4 m) - 93.180, 1340.8, 1310.05
1273.540 *16*	14.9 *3*	^{166}Tm(7.70 h) - 778.817, 2052.36, 184.410
1273.83 *8*	9.3 *3*	^{103}Ag(65.7 m) - 118.72, 148.193, 266.86
1274.436 *6*	35.19 *18*	^{154}Eu(8.593 y) - 184.810, 81.99
1274.436 *6*	10.5 *7*	^{154}Tb(21.5 h) - 123.071, 2187.10, 722.12
1274.53 *2*	99.944 *14*	^{22}Na(2.6019 y)
1277.5 *15*	1.6 *5*	^{89}Nb(1.18 h) - 587.83, 507.4, 769.69
1280.25 *10*	8.18 *23*	^{170}Lu(2.012 d) - 84.25474, 2041.88, 985.10
1290.580 *10*	0.890 *14*	^{115}Cd(44.6 d) - 933.8, 484.470, 1132.570
1291.596 *7*	43.2 *11*	^{59}Fe(44.503 d) - 1099.251, 192.349, 142.652
1292.6 *2*	0.46 *4*	^{141}Nd(2.49 h) - 1126.8, 1147.2, 145.4405
1293.558 *15*	100.0 *9*	^{116}Sb(60.3 m) - 972.564, 542.867, 407.351
1293.587	99.1	^{41}Ar(109.34 m) - 1677.198
1297.09 *10*	71	^{47}Ca(4.536 d) - 489.23, 807.86, 767.1
1298.223 *11*	2.35 *5*	^{133}I(20.8 h) - 529.872, 875.329, 510.530
1303.27 *3*	18.4 *4*	^{117}Cd(2.49 h) - 273.349, 344.459, 1576.62
1306.5 *1*	2.25 *7*	^{202}Au(28.8 s) - 439.56, 1125.25, 1204.1
1308.59 *4*	13.0 *11*	^{78}As(90.7 m) - 613.725, 694.916, 828.189
1310.05 *4*	1.40 *5*	^{178}Lu(28.4 m) - 93.180, 1340.8, 1269.34
1310.6 *2*	0.0159 *8*	^{139}Ba(83.06 m) - 165.864, 1420.5, 1254.7
1312.096 *6*	100.1 *5*	^{48}Sc(43.67 h) - 983.517, 1037.599, 175.361
1312.096 *6*	97.5 *8*	^{48}V(15.9735 d) - 983.517, 944.104, 2240.375
1314.67 *1*	0.931 *14*	^{152}Eu(9.3116 h) - 841.570, 963.390, 121.7817
1316.4 *2*	7.09 *10*	^{55}Co(17.53 h) - 931.3, 477.2, 1408.4
1317.927 *7*	0.585 *20*	^{132}Cs(6.479 d) - 667.718, 630.19, 505.79
1318.296 *10*	0.035 *3*	^{174}Lu(3.31 y) - 76.471, 1241.847, 1065.04
1324.51 *6*	17.5 *7*	^{150}Pm(2.68 h) - 333.971, 1165.74, 831.92
1332.501 *5*	99.9856 *4*	^{60}Co(5.2714 y) - 1173.237, 346.93, 826.06
1333.120 *6*	0.0037 *3*	^{66}Cu(5.120 m) - 1039.231, 833.537, 1872.753
1333.649 *17*	5.07 *5*	^{52}Mn(5.591 d) - 1434.068, 935.538, 744.233
1336.72 *6*	4.5 *4*	^{69}Ge(39.05 h) - 1107.01, 574.17, 872.14
1340.70 *10*	4.8 *5*	^{224}Fr(3.33 m) - 215.983, 131.613, 836.90
1340.8 *2*	3.22 *14*	^{178}Lu(28.4 m) - 93.180, 1310.05, 1269.34
1342.27 *4*	52.6 *16*	^{28}Mg(20.91 h) - 30.6383, 941.72, 400.56
1345.84 *4*	0.473 *10*	^{64}Cu(12.700 h)
1347.33 *1*	0.47	^{139}Pr(4.41 h) - 1630.67, 255.11, 1375.56
1347.7 *1*	1.57 *4*	^{230}Ac(122 s) - 454.95, 508.20, 1243.9
1354.52 *9*	1.64 *9*	^{141}La(3.92 h) - 1693.3, 2267.0, 662.06
1362.9 *1*	32.5 *18*	^{211}Rn(14.6 h) - 68.573, 167.90, 236.48
1363.02 *4*	0.787 *20*	^{93}Mo(6.85 h) - 949.82, 689.07, 541.22
1363.02 *4*	66	^{93}Tc(2.75 h) - 1520.37, 1477.13, 1539.01
1363.88 *10*	8.4 *4*	^{195}Tl(1.16 h) - 563.52, 884.47, 242.15
1368.633	100	^{24}Na(14.9590 h) - 2754.028, 3866.19, 996.82
1375.56 *3*	0.154 *7*	^{139}Pr(4.41 h) - 1347.33, 1630.67, 255.11
1377.63 *3*	81.7 *16*	^{57}Ni(35.60 h) - 127.164, 1919.52, 1757.55
1379.40 *6*	0.93 *3*	^{166}Ho(26.83 h) - 80.574, 1581.89, 1662.48
1382.406 *26*	0.74 *3*	^{88}Rb(17.78 m) - 1836.063, 898.042, 2677.892
1383.93 *5*	90 *3*	^{92}Sr(2.71 h) - 953.31, 430.49, 241.56
1384.300 *5*	24.12 *8*	^{110}Ag(249.79 d) - 116.48, 1.113
1387.093 *4*	5.6 *3*	^{172}Tm(63.6 h) - 78.7426, 1093.657, 1529.72
1387.67 *17*	5.4 *6*	^{112}Ag(3.130 h) - 617.516, 606.88, 694.863
1387.9 *1*	0.00672 *5*	^{144}Pr(17.28 m) - 696.510, 2185.662, 1489.160
1389.00 *1*	0.748 *23*	^{152}Eu(9.3116 h) - 841.570, 963.390, 121.7817
1405.28 *9*	4.8 *3*	^{92}Y(3.54 h) - 934.46, 561.03, 448.34
1408.006 *3*	21.005 *24*	^{152}Eu(13.537 y) - 121.7817, 964.079, 1112.074
1408.4 *2*	16.88 *8*	^{55}Co(17.53 h) - 931.3, 477.2, 1316.4
1408.6 *5*	0.085 *9*	^{45}Ti(184.8 m) - 720.22, 1662.4, 425.1
1411.34 *10*	4.6 *4*	^{197}Tl(2.84 h) - 425.84, 152.22, 577.97
1413.19 *8*	1.09 *8*	^{119}Te(16.03 h) - 644.01, 699.85, 1749.65
1419.81 *8*	46 *3*	^{154}Tb(22.7 h) - 247.925, 346.643, 123.071
1420.17 *2*	0.295 *6*	^{126}I(13.11 d) - 666.331, 753.819, 2045.17
1420.5 *2*	0.26 *3*	^{139}Ba(83.06 m) - 165.864, 1254.7, 1310.6
1432.91 *3*	13.4 *3*	^{117}Cd(3.36 h) - 1997.33, 1065.98, 564.397
1434.068 *14*	100.0 *5*	^{52}Mn(5.591 d) - 935.538, 744.233, 1333.649
1434.45 *3*	7.96 *19*	^{163}Tm(1.810 h) - 104.320, 69.229, 241.305
1435.36 *4*	6.38 *25*	^{234}Np(4.4 d) - 1558.31, 1527.21, 1601.80
1435.795 *10*	66	^{138}La(1.05×10^{11} y)
1436.70 *2*	29.0 *13*	^{210}At(8.1 h) - 82.802, 106, 167
1442.20 *9*	0.130 *3*	^{207}Bi(31.55 y) - 569.702, 1063.662, 1770.237
1449.74 *4*	9.92 *21*	^{169}Lu(34.06 h) - 960.622, 191.2137, 889.753
1457.56 *3*	8.73 *6*	^{135}I(6.57 h) - 1260.409, 1131.511, 1678.027
1459.1 *2*	†50.0 *20*	^{129}Ba(2.16 h) - 182.32, 202.38, 419.83
1460.830	11	^{40}K(1.277×10^{9} y)
1463.95 *15*	1.107 *19*	^{72}As(26.0 h) - 834.01, 629.95, 1050.73
1465.12 *3*	22	^{148}Pm(5.370 d) - 550.284, 914.85, 611.293

Energy	Intensity	Parent - Associated γ-rays
1468.91 *4*	6.4 *4*	^{194}Au(38.02 h) - 328.455, 293.545, 2043.67
1477.13 *4*	99.1 *25*	^{93}Mo(6.85 h) - 949.82, 689.07, 541.22
1477.13 *4*	8.7 *5*	^{93}Tc(2.75 h) - 1363.02, 1520.37, 1539.01
1481.84 *5*	24	^{65}Ni(2.5172 h) - 1115.546, 366.27, 1623.42
1483.39 *2*	46.5 *20*	^{210}At(8.1 h) - 82.802, 106, 167
1489.160 *5*	0.278 *4*	^{144}Pr(17.28 m) - 696.510, 2185.662, 1387.9
1495.8 *5*	8.2 *9*	^{196}Tl(1.84 h) - 426.0, 610.5, 635.5
1499.43	0.912 *15*	^{44}Sc(3.927 h) - 1157.031, 2656.41, 2144.2
1509.47 *4*	3.13 *5*	^{124}I(4.1760 d) - 602.729, 1690.983, 722.786
1515.59 *12*	0.122 *13*	^{97}Nb(72.1 m) - 658.08, 1024.49, 1268.68
1520.37 *9*	24.4 *8*	^{93}Tc(2.75 h) - 1363.02, 1477.13, 1539.01
1523.0 *4*	11.2 *7*	^{120}I(81.0 m) - 560.44, 640.85, 601.11
1524.70	18	^{42}K(12.360 h) - 312.6, 899.43, 1922.18
1527.21 *4*	11.2 *5*	^{234}Np(4.4 d) - 1558.31, 1601.80, 1435.36
1529.72 *4*	5.1 *3*	^{172}Tm(63.6 h) - 78.7426, 1093.657, 1387.093
1539.01 *10*	0.76 *4*	^{93}Tc(2.75 h) - 1363.02, 1520.37, 1477.13
1553.348 *10*	20.67 *8*	^{100}Rh(20.8 h) - 539.512, 2375.976, 822.654
1553.768 *8*	83	^{50}V(1.4×10^{17} y)
1554.946 *24*	0.412 *8*	^{134}La(6.45 m) - 604.721, 563.246, 1732.12
1558.31 *4*	18.72 *20*	^{234}Np(4.4 d) - 1527.21, 1601.80, 1435.36
1558.5	0.0084 *5*	^{43}Sc(3.891 h) - 372.760, 1931.3, 593.390
1575.85 *15*	3.7	^{142}Pr(19.12 h) - 641.285
1575.85 *15*	2.0	^{142}Pm(40.5 s) - 641.4, 2384.3, 2845.9
1576.62 *3*	11.19 *22*	^{117}Cd(2.49 h) - 273.349, 1303.27, 344.459
1581.89 *8*	0.187 *4*	^{166}Ho(26.83 h) - 80.574, 1379.40, 1662.48
1596.210 *35*	95.4 *14*	^{140}La(1.6781 d) - 487.021, 815.772, 328.762
1596.210 *35*	0.50	^{140}Pr(3.39 m) - 306.9, 751.637, 925.189
1601.80 *4*	9.1 *4*	^{234}Np(4.4 d) - 1558.31, 1527.21, 1435.36
1620.50 *10*	1.49 *3*	^{212}Bi(60.55 m) - 727.330, 785.37, 1078.62
1623.42 *6*	0.498 *14*	^{65}Ni(2.5172 h) - 1481.84, 1115.546, 366.27
1627.20 *20*	3.4	^{89}Nb(1.9 h) - 1833.46, 3092.7, 2572.3
1630.67 *2*	0.343 *10*	^{139}Pr(4.41 h) - 1347.33, 255.11, 1375.56
1642.714	31.9 *10*	^{38}Cl(37.24 m) - 2167.405
1657.28 *14*	0.107 *4*	^{89}Zr(78.41 h) - 908.96, 1713.06, 1744.52
1658.53 *5*	14.9 *8*	^{145}Eu(5.93 d) - 893.73, 653.512, 1997.00
1662.4 *6*	0.041 *4*	^{45}Ti(184.8 m) - 720.22, 1408.6, 425.1
1662.48 *8*	0.120 *2*	^{166}Ho(26.83 h) - 80.574, 1379.40, 1581.89
1674.730 *10*	0.518 *8*	^{58}Co(70.86 d) - 810.775, 863.959
1677.198	0.052 *5*	^{41}Ar(109.34 m) - 1293.587
1678.027 *21*	9.62 *20*	^{135}I(6.57 h) - 1260.409, 1131.511, 1457.56
1690.983 *7*	47.79 *15*	^{124}Sb(60.20 d) - 602.729, 722.786, 645.8549
1690.983 *7*	10.88 *13*	^{124}I(4.1760 d) - 602.729, 722.786, 1509.47
1692.420	0.166 *17*	^{38}S(170.3 m) - 1941.944, 1745.77, 2750.97
1693.3 *1*	0.074 *4*	^{141}La(3.92 h) - 1354.52, 2267.0, 662.06
1713.06 *24*	0.763 *13*	^{89}Zr(78.41 h) - 908.96, 1744.52, 1657.28
1716.4 *7*	15.9 *16*	^{117}Te(62 m) - 719.7, 2300.0, 1090.7
1718.70 *7*	31.8 *4*	^{206}Bi(6.243 d) - 803.10, 881.01, 516.18
1727.57 *8*	0.211 *10*	^{52}Fe(8.275 h) - 168.688, 377.748, 1039.928
1732.12 *3*	0.234 *5*	^{134}La(6.45 m) - 604.721, 1554.946, 563.246
1744.52 *15*	0.129 *3*	^{89}Zr(78.41 h) - 908.96, 1713.06, 1657.28
1745.77	2.44 *8*	^{38}S(170.3 m) - 1941.944, 2750.97, 1692.420
1749.65 *8*	3.95 *25*	^{119}Te(16.03 h) - 644.01, 699.85, 1413.19
1757.55 *3*	5.75 *16*	^{57}Ni(35.60 h) - 1377.63, 127.164, 1919.52
1760.70 *20*		^{90}Y(64.00 h) - 2186.242
1764.36 *4*	32.5 *6*	^{205}Bi(15.31 d) - 703.44, 987.62, 1043.72
1770.237 *10*	6.87 *4*	^{207}Bi(31.55 y) - 569.702, 1063.662, 1442.20
1771.351 *16*	15.69 *15*	^{56}Co(77.27 d) - 846.771, 1238.282, 2598.459
1778.969 *12*	100	^{28}Al(2.2414 m)
1808.65 *7*	99.76 *4*	^{26}Al(7.17×10^{5} y) - 1129.67, 2938
1810.772 *17*	27.2 *8*	^{56}Mn(2.5785 h) - 846.771, 2113.123, 2522.88
1828.8	10	^{185}Ir(14.4 h) - 254.4, 60.0, 97.4
1833.46 *17*	3.16 *24*	^{89}Nb(1.9 h) - 1627.20, 3092.7, 2572.3
1836.063 *12*	21.40 *24*	^{88}Rb(17.78 m) - 898.042, 2677.892, 1382.406
1836.063 *12*	99.2 *3*	^{88}Y(106.65 d) - 898.042, 2734.086, 850.647
1847.27 *8*	0.85 *4*	^{92}Nb(10.15 d) - 934.46, 912.73, 1132.24
1847.4 *3*	11.4 *6*	^{203}Bi(11.76 h) - 820.3, 825.2, 896.9
1853.67 *5*	14.7 *7*	^{76}Br(16.2 h) - 559.101, 657.041, 1216.104
1872.753 *6*	<0	^{66}Cu(5.120 m) - 1039.231, 833.537, 1333.120
1883.09 *7*	0.138 *6*	^{68}Ga(67.629 m) - 1077.35, 805.75, 1260.97
1897.761 *14*	0.738 *21*	^{84}Rb(32.77 d) - 881.610, 1016.162
1909.91 *4*	9.0 *6*	^{132}La(4.8 h) - 464.55, 567.14, 663.07
1917.8 *1*	1.55 *3*	^{93}Y(10.18 h) - 266.9, 947.1, 680.2
1919.52 *5*	12.26 *25*	^{57}Ni(35.60 h) - 1377.63, 127.164, 1757.55
1922.18	0.041 *4*	^{42}K(12.360 h) - 1524.70, 312.6, 899.43
1931.3	0.0151 *9*	^{43}Sc(3.891 h) - 372.760, 1558.5, 593.390
1941.944	83	^{38}S(170.3 m) - 1745.77, 2750.97, 1692.420
1997.00 *4*	7.2 *4*	^{145}Eu(5.93 d) - 893.73, 653.512, 1658.53
1997.33 *3*	26	^{117}Cd(3.36 h) - 1065.98, 564.397, 1432.91
2010	1.3×10^{-5} *10*	^{46}Sc(83.79 d) - 1120.545, 889.277
2041.88 *10*	6.10 *18*	^{170}Lu(2.012 d) - 84.25474, 1280.25, 985.10
2043.67 *5*	3.60 *18*	^{194}Au(38.02 h) - 328.455, 293.545, 1468.91
2045.17 *2*	0.0046 *3*	^{126}I(13.11 d) - 666.331, 753.819, 1420.17
2052.36 *3*	17.2 *3*	^{166}Tm(7.70 h) - 778.817, 184.410, 1273.540
2113.123 *10*	14.3 *4*	^{56}Mn(2.5785 h) - 846.771, 1810.772, 2522.88
2123.8 *2*	5.0 *3*	^{85}Y(4.86 h) - 231.67, 767.40, 535.61
2129.53 *16*	2.13 *9*	^{110}In(69.1 m) - 657.7622, 2211.49, 2317.54
2144.2	0.0069 *15*	^{44}Sc(3.927 h) - 1157.031, 1499.43, 2656.41
2167.405	42.4 *11*	^{38}Cl(37.24 m) - 1642.714
2185.662 *7*	0.694 *13*	^{144}Pr(17.28 m) - 696.510, 1489.160, 1387.9
2186.242 *25*	1.4×10^{-6} *3*	^{90}Y(64.00 h) - 1760.70
2186.242 *25*	17.96 *16*	^{90}Nb(14.60 h) - 1129.224, 2318.968, 141.178
2187.10 *16*	9.9 *6*	^{154}Tb(21.5 h) - 123.071, 1274.436, 722.12
2189.631 *9*	5.58 *6*	^{66}Ga(9.49 h) - 1039.231, 2751.852, 833.537
2195.842 *7*	13.18 *10*	^{88}Kr(2.84 h) - 2392.11, 196.301, 834.830
2201.69 *5*	25.9 *5*	^{72}Ga(14.10 h) - 834.01, 629.95, 2507.82
2211.49 *10*	1.76 *7*	^{110}In(69.1 m) - 657.7622, 2129.53, 2317.54
2214.62 *20*	18.7 *13*	^{188}Ir(41.5 h) - 155.032, 632.99, 477.99
2236.89 *17*	5.6 *6*	^{192}Au(4.94 h) - 316.50791, 295.95827, 612.46564
2240.375 *19*	2.41 *4*	^{48}V(15.9735 d) - 983.517, 1312.096, 944.104
2267.0 *2*	0.0413 *25*	^{141}La(3.92 h) - 1354.52, 1693.3, 662.06
2300.0 *7*	11.2 *12*	^{117}Te(62 m) - 719.7, 1716.4, 1090.7
2301.8 *2*	0.0414 *20*	^{62}Cu(9.74 m) - 1172.9, 875.68, 1128.9
2317.54 *10*	1.31 *5*	^{110}In(69.1 m) - 657.7622, 2129.53, 2211.49
2318.968 *10*	0.0018	^{90}Y(3.19 h) - 202.51, 479.17, 681.8
2318.968 *10*	82.03 *16*	^{90}Nb(14.60 h) - 1129.224, 141.178, 2186.242
2375.976 *16*	32.64 *24*	^{100}Rh(20.8 h) - 539.512, 822.654, 1553.348
2384.3 *6*	0.067 *6*	^{142}Pm(40.5 s) - 1575.85, 641.4, 2845.9
2392.11 *4*	34.6 *1*	^{88}Kr(2.84 h) - 196.301, 2195.842, 834.830
2397.8 *9*	13.3 *3*	^{142}La(91.1 m) - 641.285, 2542.7, 894.9
2507.82 *6*	12.78 *23*	^{72}Ga(14.10 h) - 834.01, 2201.69, 629.95
2522.88 *6*	0.99 *3*	^{56}Mn(2.5785 h) - 846.771, 1810.772, 2113.123
2542.7 *10*	10.00 *24*	^{142}La(91.1 m) - 641.285, 2397.8, 894.9
2554.8 *2*	9.2 *5*	^{87}Kr(76.3 m) - 402.586, 845.43, 2558.1
2558.1 *2*	3.92 *25*	^{87}Kr(76.3 m) - 402.586, 2554.8, 845.43
2572.3 *4*	2.58 *20*	^{89}Nb(1.9 h) - 1627.20, 1833.46, 3092.7
2598.459 *13*	17.28 *15*	^{56}Co(77.27 d) - 846.771, 1238.282, 1771.351
2614.533 *13*	99	^{208}Tl(3.053 m) - 583.191, 510.77, 860.564
2614.533 *13*	100	^{208}Bi(3.68×10^{5} y)
2656.41	0.115 *6*	^{44}Sc(3.927 h) - 1157.031, 1499.43, 2144.2
2677.892 *21*	1.96 *3*	^{88}Rb(17.78 m) - 1836.063, 898.042, 1382.406
2734.086 *13*	0.71 *7*	^{88}Y(106.65 d) - 1836.063, 898.042, 850.647
2750.97	1.38 *5*	^{38}S(170.3 m) - 1941.944, 1745.77, 1692.420
2751.852 *6*	23.28 *18*	^{66}Ga(9.49 h) - 1039.231, 833.537, 2189.631
2754.028	99.944 *4*	^{24}Na(14.9590 h) - 1368.633, 3866.19, 996.82
2845.9 *8*	0.047 *4*	^{142}Pm(40.5 s) - 1575.85, 641.4, 2384.3
2938	0.24 *4*	^{26}Al(7.17×10^{5} y) - 1808.65, 1129.67
3092.7 *2*	3.0 *3*	^{89}Nb(1.9 h) - 1627.20, 1833.46, 2572.3
3383.6 *5*	0.06 *3*	^{150}Tb(3.48 h) - 638.050, 511, 496.242
3817 *2*		^{150}Eu(12.8 h) - 333.971, 406.52, 1165.74
3836 *2*		^{150}Eu(12.8 h) - 333.971, 406.52, 1165.74
3846 *2*		^{150}Eu(12.8 h) - 333.971, 406.52, 1165.74
3866.19	0.052 *4*	^{24}Na(14.9590 h) - 1368.633, 2754.028, 996.82
3927 *2*		^{150}Eu(12.8 h) - 333.971, 406.52, 1165.74