Energy-ordered Decay γ-ray Tables from the *Table of Isotopes*

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 223.80 *5*	0.020 *7*	^{189}Re(24.3 h)	216.663(5.50), 219.395(4.54), 245.09(3.5)
223.811 *7*	26.0 *13*	^{190}Re(3.1 m)	186.718(48.4), 557.972(28.2), 569.310(25.1)
223.811 *7*	0.56 *6*	^{190}Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
• 223.811 *7*	3.74 *18*	^{190}Ir(11.78 d)	186.718(52.4), 605.24(39.9), 518.55(34.0)
223.83 *4*	1.44 *8*	^{102}Mo(11.3 m)	211.66(3.8), 148.19(3.76), 359.9(0.27)
223.85 *10*	0.056 *5*	^{228}Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
223.85 *10*	0.96 *8*	^{228}Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
223.9 *1*	64 *6*	^{141}Gd(24.5 s)	351.1(89), 574.9(51), 361.2(37)
• 223.9 *3*	0.00024 *6*	^{230}U(20.8 d)	72.20(0.60), 154.23(0.125), 230.37(0.122)
• 223.97 *10*	0.031 *6*	^{194}Au(38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
224.00 *15*	†1.7 *7*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
224.0 *4*	†0.8	^{171}Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
• 224.02 *8*	0.028 *5*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
224.08 *6*	1.02 *15*	^{55}V(6.54 s)	517.71(73), 880.70(18.1), 921.10(4.6)
224.1 *3*	8.5 *4*	^{158}Sm(5.30 m)	189.4(15.2), 363.6(12.4), 324.5(10.6)
• 224.1 *1*	0.0089 *8*	^{231}Th(25.52 h)	25.646(14.5), 84.216(6.6), 89.944(0.94)
224.13 *16*	0.198 *19*	^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
224.16 *7*	0.141 *16*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
224.2 *2*	20.1 *13*	^{118}Pd(1.9 s)	125.4(34), 125.4(34), 151.6(15.0)
224.2 *6*	†1.1	^{179}Os(6.5 m)	65.39(†100), 218.6(†17), 32.3(†17)
224.21 *7*	0.17 *6*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
224.270 *7*	0.113 *21*	^{207}Po(5.80 h)	992.33(59.3), 742.64(28.2), 911.79(16.95)
224.29 *6*	0.0442 *22*	^{187}Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
224.346 *4*	0.30 *4*	^{174}Tm(5.4 m)	366.526(92), 992.128(87), 272.918(86)
224.35 *8*	0.125 *11*	^{228}Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
224.38 *10*	†15 *7*	^{182}Lu(2.0 m)	818.4(†100), 720.6(†100), 808.1(†50)
224.4	0.36	^{96}Y(9.6 s)	1750.42(89), 915.0(60), 617.1(56)
224.40 *20*	†29 *3*	^{106}Sn(115 s)	386.8(†100), 477.5(†62), 253.30(†57)
224.437 *10*	0.40 *5*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
224.495 *12*	0.043 *11*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
224.5 *7*	0.39 *7*	^{201}Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
224.55 *2*	0.15 *5*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
224.6 *7*	0.20 *17*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
• 224.6 *3*	0.014 *9*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
224.6 *3*	†329 *33*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
224.6 *2*	†24.0 *15*	^{166}W(18.8 s)	125.8(†310), 172.5(†17.8), 395.9(†17)
224.64 *5*	0.039	^{221}Rn(25 m)	186.38(21.6), 150.04(4.5), 216.90(2.6)
• 224.64 *5*	0.096 *9*	^{225}Ac(10.0 d)	99.91(1.01), 150.04(0.80), 99.63(0.62)
224.68 *10*	0.178 *23*	^{132}Ce(3.51 h)	182.11(77), 155.37(10.5), 216.83(4.95)
224.7 *3*	0.054 *9*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
224.7 *2*	3.4 *4*	^{191}Hg(50.8 m)	252.5(57), 420.1(18.6), 578.6(17.6)
224.7 *2*	†60 *7*	^{191}Hg(49 m)	252.5(†100), 196.3(†65), 240.9(†44)
224.75 *6*	43.9 *13*	^{78}Zn(1.47 s)	181.68(28.1), 860.30(24.5), 635.56(20.9)
224.8 *4*	32.7 *13*	^{83}Se(22.3 m)	356.687(70), 510.17(43), 718.10(15.0)
224.8 *3*	0.13 *5*	^{119}Ag(2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
224.8 *4*	0.3 *1*	^{159}Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
224.8 *3*	>0.12	^{204}Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
224.8 *6*	>0.11	^{209}Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
224.81 *4*		^{193}Hg(3.80 h)	861.11(†100), 1118.84(†64), 789.21(†36)
• 224.85 *4*	0.027 *16*	^{206}Po(8.8 d)	1032.26(32.9), 511.36(24.1), 286.410(23.8)
224.86 *4*	0.24 *5*	^{237}Am(73.0 m)	280.23(47.3), 438.4(8.3), 473.5(4.3)
• 224.9 *4*	†0.05 *3*	^{102}Rh(207 d)	475.070(†47), 628.05(†4.6), 1103.16(†2.99)
224.9 *3*	0.28 *4*	^{190}Au(42.8 m)	295.78(71.0), 301.82(23.4), 597.67(9.4)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
224.99 *3*	0.59 *8*	^{177}W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
225.0 *8*	0.007	^{150}Pm(2.68 h)	333.971(68), 1324.51(17.5), 1165.739(15.8)
225.0 *10*	0.14 *14*	^{172}Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
225.00 *8*	5.0 *5*	^{194}Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
• 225.0 *3*	9.0×10^{-6} *2*	^{233}U(1.592×10^{5} y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
225.01 *10*	0.152 *20*	^{183}Hf(1.067 h)	783.754(66), 73.174(38), 459.069(27)
225.08 *12*	0.123 *10*	^{105}Ru(4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
225.1 *5*	0.28 *6*	^{74}Kr(11.50 m)	89.65(31), 203.0(18.0), 296.67(9.9)
225.1 *1*	0.92 *7*	^{200}Po(11.5 m)	671.0(34.0), 617.7(19.7), 434.4(9.3)
225.1 *1*	0.051 *5*	^{210}Rn(2.4 h)	458.25(1.7), 648.70(0.843), 570.95(0.840)
225.1 *1*	†55 *4*	^{225}Fr(4.0 m)	182.3(†100), 31.50(†91), 75.1(†45)
225.12 *4*	0.085 *6*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
225.13 *5*	26	^{119}Cs(43.0 s)	176.05(29.7), 257.9(17.4), 259.4(7)
• 225.149 *19*	0.072 *10*	^{229}Th(7340 y)	193.509(4.4), 210.853(2.8), 86.40(2.57)
225.19 *18*	0.43 *3*	^{186}Au(10.7 m)	191.56(62), 298.67(25.4), 764.89(10.5)
225.2 *2*	†<0.15	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
225.2 *3*	0.16 *4*	^{188}Hg(3.25 m)	66.7(63), 190.1(4.40), 82.7(2.6)
225.3		^{161}Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
225.3	†4.0	^{224}Ac(2.9 h)	156.4(†100), 140.8(†55), 261.6(†28)
225.32 *2*	0.408 *12*	^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
225.38 *7*	3.02 *3*	^{139}Xe(39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
225.4 *3*	1.5	^{67}As(42.5 s)	122.7(19.2), 120.8(9.3), 243.6(7.8)
225.4 *1*	10	^{140}Sm(14.82 m)	225.5(>10), 140.0(5.0), 1138.1(1.8)
225.4 *3*	0.033 *13*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
225.4 *3*	1.1	^{170}Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
• 225.417 *5*	1.51×10^{-5} *5*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
• 225.44 *22*	0.0039 *7*	^{145}Eu(5.93 d)	893.73(66), 653.512(15.0), 1658.53(14.9)
• 225.45 *20*	0.0058 *9*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
225.469 *39*	0.071 *16*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
225.49 *14*	0.126 *15*	^{205}Po(1.66 h)	872.39(37), 1001.21(28.8), 849.83(25.5)
225.5 *1*	>10	^{140}Sm(14.82 m)	225.4(10), 140.0(5.0), 1138.1(1.8)
225.5 *2*	2.68 *18*	^{152}Ho(49.5 s)	647.2(92), 613.8(88.4), 683.3(88)
225.5 *3*	†2.7	^{171}Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
225.5 *2*	0.075 *10*	^{208}Fr(59.1 s)	635.8(10), 778.5(6.8), 325.3(5.2)
• 225.5 *10*	†0.24	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
225.6 *1*	1.57 *22*	^{129}Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
225.65 *11*	2.13 *21*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
225.69 *4*	2.9 *3*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
225.7 *3*	†1.3	^{149}Ce(5.3 s)	57.7(†100), 380.0(†33.7), 86.4(†20.2)
225.72 *16*	†10.8 *22*	^{189}Au(28.7 m)	713.17(†100), 812.68(†63), 447.65(†55)
225.82 *12*	0.191 *6*	^{192}Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
225.85 *14*	†15 *2*	^{159}Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
225.87 *14*	0.091 *21*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
225.9 *5*	0.0013 *6*	^{166}Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
• 225.901 *6*	0.07 *4*	^{169}Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
225.93 *24*	0.20 *6*	^{66}Ge(2.26 h)	43.89(28.7), 381.85(28), 272.97(10.4)
225.93 *5*	1.28 *9*	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
225.94 *3*	26.8 *21*	^{154}Tb(22.7 h)	247.925(79), 346.643(69), 1419.81(46)
225.945 *4*	0.156 *10*	^{199}Pt(30.80 m)	542.993(15), 493.772(5.59), 317.056(4.95)
225.98 *3*	19.6 *10*	^{109}Ru(34.5 s)	206.29(22.0), 1929.05(13.7), 358.79(13.6)
226.0 *3*	0.017 *4*	^{112}Ag(3.130 h)	617.27(43), 1387.67(5.4), 606.49(3.1)
226	†4.5	^{175}Os(1.4 m)	125.0(†100), 181(†10.8), 248(†8.6)
226.0 *10*	†12 *2*	^{229}U(58 m)	122.51(†100), 88.43(†88), 198.83(†88)
226.0 *5*	0.036 *3*	^{233}Np(36.2 m)	312.17(0.7), 298.89(0.44), 546.9(0.280)

Energy-ordered Decay γ-ray Tables from the *Table of Isotopes*

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
226.01 *4*	0.215 *5*	^{159}Gd(18.479 h)	363.55(11.4), 58.00(2.15), 348.16(0.234)
• 226.01 *4*	3.6×10^{-6} *2*	^{159}Dy(144.4 d)	58.00(2.22), 348.16(0.00095), 79.45(0.00048)
226.04 *5*	7.0 *4*	^{106}In(6.2 m)	632.66(100), 861.16(92), 997.87(48)
226.1 *2*	0.023	^{233}Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
226.11 *10*	0.19 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
• 226.19 *5*	3.06 *21*	^{182}Re(64.0 h)	229.3220(26), 67.75001(22.2), 1121.3007(22.0)
226.2	0.33	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
226.2 *3*	†19 *3*	^{198}Tl(1.87 h)	636.4(†202), 411.8044(†202), 587.2(†185)
226.30 *20*	0.69 *14*	^{102}Zr(2.9 s)	599.60(13.9), 535.30(10.6), 64.50(8.9)
226.3 *2*	0.65 *15*	^{105}Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
226.3 *10*	0.022 *9*	^{129}Sb(4.40 h)	812.8(43), 914.6(20.0), 544.7(17.9)
226.3 *3*	0.24 *5*	^{151}Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
• 226.3 *7*	0.00025 *18*	^{169}Yb(32.026 d)	63.12077(44.2), 197.95788(35.8), 177.21402(22.16)
226.3 *3*	0.097 *22*	^{188}Hg(3.25 m)	66.7(63), 190.1(4.40), 82.7(2.6)
226.3 *1*	0.10 *5*	^{242}U(16.8 m)	67.60(9.6), 55.58(3.90), 585.0(1.92)
226.36 *9*	0.61 *7*	^{123}Cd(1.82 s)	1165.86(25.7), 1027.45(22.6), 2102.81(12.5)
• 226.378 *8*	0.28 *2*	^{239}Np(2.3565 d)	106.125(27.2), 277.599(14.38), 228.183(10.76)
226.378 *8*	3.30 *20*	^{239}Am(11.9 h)	277.599(15.0), 228.183(11.3), 209.753(3.50)
226.4 *2*	†29 *3*	^{116}Xe(56 s)	104.5(†100), 310.7(†42), 247.7(†40)
226.5 *4*	0.030 *12*	^{140}Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
226.5 *5*	†4.4 *8*	^{172}W(6.6 m)	38.9(†100), 423.3(†44), 89.8(†33.0)
226.5 *5*	†5.8 *13*	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
226.50 *3*	4.2 *3*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
226.6 *3*	5.2 *4*	^{158}Sm(5.30 m)	189.4(15.2), 363.6(12.4), 324.5(10.6)
226.6 *1*	0.027	^{227}Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
226.63 *3*	0.037 *8*	^{157}Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
226.69 *23*	†2.1 *3*	^{181}Pt(51 s)	289.29(†100), 111.97(†100), 230.15(†92)
226.7 *2*	1.1 *3*	^{105}Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
• 226.7 *3*	9.0×10^{-6} *2*	^{233}U(1.592×10^5 y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
226.746 *5*	6.6 *4*	^{184}Ta(8.7 h)	414.03(72), 252.848(43), 920.932(32.0)
• 226.746 *5*	0.018 *3*	^{184}Re(38.0 d)	903.279(37.9), 792.071(37.5), 111.208(17.1)
• 226.746 *5*	1.47 *4*	^{184}Re(169 d)	252.848(10.7), 216.548(9.43), 920.932(8.14)
226.8 *1*	0.06 *6*	^{101}Zr(2.1 s)	119.3(10.8), 205.6(6.0), 912.2(3.48)
226.8 *1*	†17.8 *5*	^{152}Pr(3.24 s)	164.2(†100), 284.9(†81.0), 72.40(†38.9)
226.8 *2*	†100 *23*	^{155}Tm(21.6 s)	531.7(†20), 88.1(†17), 1057.2(†13)
226.82 *8*	1.4	^{96}Y(9.6 s)	1750.42(89), 915.0(60), 617.1(56)
226.83 *8*	0.171 *25*	^{208}Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
226.847 *19*	0.163 *5*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
226.918 *4*	68.4 *12*	^{155}Dy(9.9 h)	184.564(3.37), 1089.8(>2.8), 1090.0(>2.8)
• 226.991 *1*	0.1483 *20*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
227.0 *2*	1	^{115}Rh(0.99 s)	127.9(64.6), 125.6(33.3), 296.5(17)
227		^{162}Tm(24.3 s)	811.52(6.5), 798.68(5.2), 227.52(5)
227 *1*	0.46	^{168}Lu(6.7 m)	198.82(28), 979.22(20), 896.12(15)
227.0 *2*		^{177}Tm(85 s)	104.5(†11.1), 517.5(†22.2), 44.5(†10)
227.0 *10*	5.8 *16*	^{247}Am(23.0 m)	285.0(23)
• 227.0 *10*	6.3 *11*	^{251}Cf(898 y)	176.6(17.7), 285.0(1.4), 61.5(0.56)
• 227.083 *7*	0.221 *8*	^{188}W(69.4 d)	290.669(0.402), 63.582(0.109), 207.849(0.0080)
227.106 *7*	0.21	^{182}Hf(61.5 m)	942.80(18.8), 799.64(9.4), 114.3152(6.2)
227.135 *5*	0.68 *14*	^{151}Pr(18.90 s)	880.19(13), 189.057(11.8), 484.501(11.3)
• 227.18 *2*	0.338 *23*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
227.2 *3*		^{131}La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
227.2 *3*	†1.2 *6*	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
227.25 *3*	5.8 *3*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
227.3 *2*	1.5 *3*	^{128}Sb(9.01 h)	753.82(100), 743.22(100), 314.12(61)

Energy-ordered Decay γ-ray Tables from the *Table of Isotopes*

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
227.36 *2*	0.67 *6*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
227.4 *2*	†595 *57*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
227.4 *2*	0.015 *5*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
227.46 *15*	>0.21	^{204}Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
227.47 *4*	2.06 *11*	^{200}Pt(12.5 h)	76.21(13), 135.90(3.24), 243.71(2.49)
227.481 *6*	0.85	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
227.481 *6*	0.70	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
227.50 *20*	0.113 *13*	^{83}Y(7.08 m)	35.50(0.44), 882.1(6.30), 489.90(5.53)
227.5 *3*	1.6 *5*	^{159}Eu(18.1 m)	67.8(19), 78.6(9.1), 95.7(7.0)
227.5 *3*	3.5 *4*	^{170}Ho(2.76 m)	258.2(37.0), 931.3(36.1), 181.6(23.8)
227.5 *3*	†5.0 *9*	^{198}Tl(1.87 h)	636.4(†202), 411.8044(†202), 587.2(†185)
227.52 *3*	7	^{162}Tm(21.70 m)	102.00(17.5), 798.68(8.4), 900.7(6.5)
227.52 *3*	5 *3*	^{162}Tm(24.3 s)	811.52(6.5), 798.68(5.2), 900.7(4.0)
227.55 *16*	0.012 *5*	^{130}I(12.36 h)	536.09(99), 668.54(96), 739.48(82)
227.6 *2*	†6.4 *7*	^{113}Ru(0.80 s)	263.2(†100), 211.7(†31.0), 337.5(†27.9)
227.62 *15*	†4.3	^{197}Ir(5.8 m)	469.72(†100), 430.56(†61), 815.92(†45)
• 227.65 *5*		^{206}Bi(6.243 d)	803.10(99), 881.01(66.2), 516.18(40.7)
• 227.7 *4*	0.020 *15*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
227.7 *1*	3.0 *3*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
227.72 *10*	43	^{212}Fr(20.0 m)	1273.8(46), 1185.6(14.1), 138.30(7.7)
227.76 *8*	0.125 *12*	^{90}Kr(32.32 s)	1118.69(39.0), 121.82(35.5), 539.49(30.8)
227.76 *6*	1.51 *4*	^{138}Cs(33.41 m)	1435.795(76.3), 462.796(30.7), 1009.78(29.8)
227.8 *1*		^{172}Ir(4.4 s)	475.0, 378.4
227.8 *1*	†100.0 *21*	^{172}Ir(2.0 s)	378.4(†62.0), 448.4(†40.5), 582.3(†20.2)
227.8 *1*		^{176}Pt(6.33 s)	
227.81 *14*	0.83 *21*	^{105}In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
227.82 *6*	0.0077 *12*	^{133}La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
227.82 *30*	0.20 *5*	^{137}Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
• 227.85 *7*	0.050 *16*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
• 227.878 *3*	0.22 *4*	^{169}Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
• 227.891 *10*	0.1302 *21*	^{125}Sb(2.7582 y)	427.875(30), 600.600(17.86), 635.954(11.31)
227.9 *2*	6.5 *8*	^{194}Tl(32.8 m)	636.5(99), 428.0(99), 748.9(76)
228.0 *2*	†<0.15	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
228.0 *2*	2.99 *18*	^{139}Sm(2.57 m)	273.7(37), 306.7(28.5), 596.3(8.0)
228 *1*	0.10	^{142}Gd(70.2 s)	750.2(11.2), 178.90(11.20), 284.4(6.16)
228.0 *6*	†2.5	^{177}Os(2.8 m)	84.7(†100), 125.4(†63), 195.8(†61)
• 228		^{202}Pt(44 h)	244
228.0 *1*	0.38	^{227}Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
228.0 *4*		^{230}Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
• 228.0 *4*	>0.005	^{230}Pa(17.4 d)	951.95(1.65), 918.48(8.2), 454.95(6.27)
• 228.0 *4*	0.027 *5*	^{252}Es(471.7 d)	52.33(0.55), 64.42(0.274), 418.5(0.220)
228.04 *4*	0.099 *18*	^{183}Os(13.0 h)	381.768(89.6), 114.463(20.63), 167.844(8.81)
• 228.05 *15*	0.0358 *22*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
228.06 *11*	0.255 *20*	^{164}Lu(3.14 m)	123.3(34.0), 740.52(12.2), 262.22(10.8)
228.09 *4*	0.0050 *20*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
• 228.1 *1*	2.0×10^{-5} *2*	^{233}U(1.592×10^{5} y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
228.12 *3*	77.3 *6*	^{166}Lu(2.65 m)	337.50(41), 367.95(31.4), 102.38(25.2)
228.12 *3*	15 *4*	^{166}Lu(1.41 m)	102.38(13), 285.07(11.0), 830.06(10.2)
228.12 *3*	4 *4*	^{166}Lu(2.12 m)	1427.18(23.0), 2098.6(16.1), 1256.64(15.2)
• 228.16 *6*	88.0 *18*	^{132}Te(3.204 d)	49.72(15.0), 116.30(1.96), 111.76(1.74)
• 228.183 *1*	10.76 *18*	^{239}Np(2.3565 d)	106.125(27.2), 277.599(14.38), 209.753(3.42)
228.183 *1*	11.3 *6*	^{239}Am(11.9 h)	277.599(15.0), 209.753(3.50), 226.378(3.30)
• 228.183 *1*	10.6 *3*	^{243}Cm(29.1 y)	277.599(14.0), 209.753(3.29), 285.460(0.728)
228.2 *3*	†1.50 *20*	^{182}Ir(15 m)	273.23(†100), 126.79(†77), 236.3(†21.0)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
228.21 *7*	0.0229 *8*	^{166}Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
228.22 *10*	0.77 *10*	^{115}Te(5.8 m)	723.569(30), 1380.58(23.0), 1326.83(22.7)
228.3 *3*	0.00042 *25*	^{165}Dy(2.334 h)	94.700(3.58), 361.68(0.84), 633.415(0.568)
228.34 *20*	0.029 *4*	^{165}Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
228.4 *1*	40	^{53}Ti(32.7 s)	127.6(46), 1675.5(25), 100.8(20.3)
228.4 *4*	1.68 *9*	^{86}Se(15.3 s)	2441.1(43.0), 2660.0(21.6), 48.3(15.4)
228.4 *4*	0.19 *4*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
228.4	†50 *5*	^{189}Tl(1.4 m)	317.5(†100), 215.6(†90), 335(†63)
228.48 *6*	1.326 *14*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
• 228.4838 *6*	37.0 *7*	^{177}Lu(160.4 d)	208.3664(57.7), 378.5029(29.7), 418.5391(21.3)
228.5 *1*	†1.83 *17*	^{123}La(17 s)	92.5(†100), 937.3(†43), 153.6(†43)
• 228.5 *2*	1.9×10^{-5} *4*	^{228}Th(1.9131 y)	84.373(1.266), 215.985(0.263), 131.613(0.1355)
228.56 *20*	0.048 *4*	^{233}Np(36.2 m)	312.17(0.7), 298.89(0.44), 546.9(0.280)
• 228.56 *20*	†3.93×10^{6} *16*	^{237}Pu(45.2 d)	280.40(†870000), 298.89(†7.85×10^{6}), 320.75(†6.48×10^{6})
228.58 *8*	†97 *10*	^{168}Lu(5.5 m)	1483.65(†100), 111.8(†68), 111.79(†68)
228.59 *6*	0.38 *2*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
228.6 *1*	†3.3 *4*	^{225}Fr(4.0 m)	182.3(†100), 31.50(†91), 225.1(†55)
228.630 *20*	2.1 *14*	^{106}Rh(131 m)	511.842(85), 1045.83(30.4), 717.24(28.9)
• 228.630 *20*	2.10 *10*	^{106}Ag(8.28 d)	511.842(88), 1045.83(29.6), 717.24(28.9)
228.67 *5*	28.9 *12*	^{75}Zn(10.2 s)	432.29(20.2), 155.94(17.2), 606.43(9.0)
228.7 *1*	0.074 *20*	^{75}Kr(4.3 m)	132.43(67), 154.66(20.8), 153.15(8.0)
228.70 *7*	6.9 *10*	^{183}Ir(58 m)	392.52(10.4), 87.67(5.6), 282.39(4.9)
• 228.71 *5*	>0.00039	^{169}Yb(32.026 d)	63.12077(44.2), 197.95788(35.8), 177.21402(22.16)
228.71 *7*	0.037 *7*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
228.7346 *18*	0.052 *8*	^{155}Sm(22.3 m)	104.3346(74.6), 245.771(3.7), 141.4428(1.98)
228.76 *11*	1.6 *4*	^{181}Os(105 m)	238.75(44), 826.77(20), 118.03(12.9)
228.78 *20*	†2.3	^{197}Ir(5.8 m)	469.72(†100), 430.56(†61), 815.92(†45)
• 228.785 *6*	0.008 *3*	^{235}U(7.038×10^{8} y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
228.80 *6*	2.52 *13*	^{143}Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
228.8		^{238}Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
228.9 *1*	0.11 *1*	^{107}Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
228.9 *3*	0.14 *5*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
228.9	0.08	^{185}Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
228.951 *15*	0.012 *3*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
• 229.00 *7*	0.023 *5*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
• 229.0 *5*	0.0024 *6*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
229	0.07	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
229.0 *2*	†3.0	^{256}Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
229.08 *9*	18	^{115}Ag(20.0 m)	212.80(4.4), 472.70(4.0), 649.10(3.0)
229.08 *9*	†100	^{115}Ag(18.0 s)	131.52(†77), 388.9(†52), 360.52(†16.3)
• 229.080 *10*	0.356 *9*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
229.1 *3*	0.102 *24*	^{100}Rh(20.8 h)	539.59(78.4), 2376.1(35.3), 1553.4(21)
• 229.1		^{185}Os(93.6 d)	646.116(78.0), 874.813(6.29), 880.523(5.17)
229.1 *3*	0.15 *5*	^{237}Am(73.0 m)	280.23(47.3), 438.4(8.3), 473.5(4.3)
229.17 *13*	†5.2 *10*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
229.2 *5*	0.14 *5*	^{89}Nb(1.9 h)	1627.20(3.4), 1833.46(3.16), 3092.7(3.0)
229.2 *2*	0.12 *6*	^{109}Sn(18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
229.2 *1*	23.4 *14*	^{130}Sn(3.72 m)	192.5(70), 779.8(59), 70.0(35.5)
229.2 *3*	†15 *4*	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 234.0(†40.0)
229.3 *3*	2.29 *14*	^{95}Rh(5.02 m)	941.6(72), 1352.0(20.8), 677.6(5.80)
• 229.3 *2*	0.036 *10*	^{247}Cm(1.56×10^{7} y)	402.6(72), 278.0(3.4), 287.4(2.0)
• 229.32 *2*	63 *3*	^{147}Gd(38.06 h)	396.00(34.3), 929.01(20.2), 370.0(17.2)
• 229.3220 *6*	3.630 *21*	^{182}Ta(114.43 d)	67.75001(41.2), 1121.3007(34.9), 1221.4066(26.98)
229.3220 *6*	2.5 *3*	^{182}Re(12.7 h)	67.75001(38.2), 1121.3007(32), 1221.4066(24.8)

Energy-ordered Decay γ-ray Tables from the *Table of Isotopes*

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 229.3220 *6*	26	^{182}Re(64.0 h)	67.75001(22.2), 1121.3007(22.0), 1221.4066(17.4)
229.4 *6*	13 *3*	^{172}Ho(25 s)	133.6(36), 178.0(23), 757.2(18)
229.4 *3*	0.32 *8*	^{184}Au(53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
• 229.420 *20*	0.0120 *8*	^{110}Ag(249.79 d)	657.7622(94.0), 884.685(72.2), 937.493(34.13)
• 229.50 *6*	0.106 *9*	^{128}Ba(2.43 d)	273.44(15), 374.99(0.309), 359.10(0.096)
• 229.50 *25*	0.028 *12*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
229.5 *1*	0.56 *8*	^{236}Th(37.5 m)	110.8(4.2), 646.6(0.72), 196.0(0.69)
• 229.50 *10*	0.040	^{249}Cf(351 y)	388.16(66), 333.37(14.6), 252.80(2.50)
229.51 *8*	0.30 *14*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
229.566 *9*	0.482 *13*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
229.6 *7*	0.08 *5*	^{97}Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
• 229.6 *6*	0.683 *17*	^{175}Hf(70 d)	343.40(84), 89.36(2.40), 433.0(1.436)
229.60 *10*	†100	^{185}Pt(33.0 m)	135.3(†80), 197.4(†74), 255.10(†51)
229.6 *3*	0.29 *3*	^{188}Hg(3.25 m)	66.7(63), 190.1(4.40), 82.7(2.6)
229.6 *10*	†10.0 *16*	^{229}U(58 m)	122.51(†100), 88.43(†88), 198.83(†88)
229.61 *5*	0.0025 *8*	^{173}Hf(23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
229.65 *1*	0.752 *23*	^{118}In(4.45 m)	1229.68(96), 1050.69(81.0), 683.08(54.3)
229.7 *5*	0.46 *22*	^{74}Kr(11.50 m)	89.65(31), 203.0(18.0), 296.67(9.9)
229.7 *6*	0.09 *5*	^{117}Ag(72.8 s)	135.4(23), 337.7(10.3), 157.1(7.9)
229.7 *3*	6.7 *4*	^{158}Sm(5.30 m)	189.4(15.2), 363.6(12.4), 324.5(10.6)
229.7 *2*	0.069 *10*	^{223}Ac(2.10 m)	98.58(0.891), 191.3(0.58), 83.55(0.57)
229.72 *3*	0.2428 *23*	^{135}I(6.57 h)	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
229.78 *5*	0.87 *5*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
229.81 *9*	0.070 *9*	^{105}Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
229.90 *5*	0.037 *10*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
229.9		^{152}Pm(13.8 m)	200.6, 63.51, 137.08
229.94 *2*	0.80 *6*	^{204}Po(3.53 h)	883.984(29.9), 270.068(27.8), 1016.31(24.1)
• 229.94 *5*	0.014 *4*	^{237}Np(2.14×10^{6} y)	29.374(15.0), 86.477(12.4), 94.66(0.6)
229.943 *5*	0.0030 *8*	^{155}Sm(22.3 m)	104.3346(74.6), 245.771(3.7), 141.4428(1.98)
230.0 *3*	†8.9 *5*	^{111}Rh(11 s)	275.4(†100.0), 411.8(†9.42), 789.0(†3.8)
230.0 *6*	0.7	^{153}Ho(2.0 m)	295.8(67), 637.0(5.36), 688.5(3.7)
230.0 *1*	†2.2 *5*	^{169}Ta(4.9 m)	511.0(†20.6), 28.80(†18.3), 192.4(†8)
230 *20*		^{201}Pt(2.5 m)	1760, 150, 70
230 *1*	0.0030 *10*	^{214}Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
• 230 *1*	0.0017 *9*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
• 230.01 *20*	0.0033 *7*	^{145}Eu(5.93 d)	893.73(66), 653.512(15.0), 1658.53(14.9)
230.1 *2*	0.28 *11*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
230.1 *5*	0.020 *11*	^{179}W(6.40 m)	238.61(0.218), 281.70(0.186), 222.5(0.057)
• 230.11 *2*	6.2×10^{-5} *10*	^{233}U(1.592×10^{5} y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
230.12 *7*	0.31 *3*	^{205}At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
230.12 *7*	0.00061 *10*	^{209}Rn(28.5 m)	143.166(0.0102), 154.198(0.0073), 384.61(0.0024)
230.15 *12*	†92 *14*	^{181}Pt(51 s)	289.29(†100), 111.97(†100), 243.11(†61)
230.15 *4*	0.348 *15*	^{183}Os(9.9 h)	1101.94(49.0), 1107.92(22.36), 1034.85(6.02)
230.20 *20*	0.29 *4*	^{84}Br(31.80 m)	881.610(42), 1897.761(14.7), 3927.5(6.8)
230.2 *1*	†53 *4*	^{153}Ho(9.3 m)	108.7(†100), 365.9(†92), 161.5(†83)
• 230.2 *1*	0.0018 *8*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
230.26 *5*	0.132 *11*	^{107}Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
230.29 *2*	0.220 *11*	^{57}Mn(87.2 s)	122.0614(13.9), 14.41300(10.56), 692.03(5.50)
• 230.29 *2*	0.0004 *4*	^{57}Co(271.79 d)	122.0614(85.60), 136.4743(10.68), 14.41300(9.16)
230.3 *2*	0.0234 *25*	^{111}Pd(23.4 m)	580.00(0.8), 70.44(0.78), 1459.0(0.56)
230.3		^{165}Dy(1.257 m)	515.467(1.53), 361.68(0.534), 153.803(0.242)
• 230.3 *3*		^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
230.33 *9*	0.54 *4*	^{87}Br(55.60 s)	1419.71(22.0), 1476.04(7.9), 1577.60(6.0)
230.37 *17*	0.20 *18*	^{148}Ba(0.607 s)	56.08(29.20), 133.53(3.88), 415.78(3.59)

Energy-ordered Decay γ-ray Tables from the *Table of Isotopes*

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 230.37 *5*	27	^{226}Ac(29 h)	158.18(17.5), 72.20(0.56), 574.8(0.070)
• 230.37 *5*	0.122 *6*	^{230}U(20.8 d)	72.20(0.60), 154.23(0.125), 158.18(0.070)
230.4 *3*	†0.35 *5*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
230.4		^{131}La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
230.4 *8*	>0.11	^{209}Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
230.43 *5*	†2	^{131}Ce(10.3 m)	169.42(†100), 414.25(†68), 119.18(†44)
230.43 *5*	†100 *5*	^{131}Ce(5.0 m)	436.85(†7.3), 462.9(†6.9), 568.95(†4.7)
230.49 *20*	0.13	^{113}Pd(93 s)	95.74(3.3), 643.7(3.0), 739.63(2.4)
230.5 *1*	1.28 *13*	^{137}Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
230.5		^{168}Hf(25.95 m)	183.8(†100), 157.2(†68), 324.1
230.50 *7*	0.54 *6*	^{193}Au(17.65 h)	186.17(10.1), 255.57(6.7), 268.22(3.9)
230.557 *8*	0.012 *3*	^{184}Ta(8.7 h)	414.03(72), 252.848(43), 920.932(32.0)
• 230.557 *8*	0.0151 *25*	^{184}Re(38.0 d)	903.279(37.9), 792.071(37.5), 111.208(17.1)
• 230.557 *8*	0.0051 *8*	^{184}Re(169 d)	252.848(10.7), 216.548(9.43), 920.932(8.14)
230.6 *6*	0.023 *7*	^{72}Ga(14.10 h)	834.01(96), 2201.69(25.9), 629.95(24.8)
230.6 *2*	1.5 *3*	^{151}Er(23.5 s)	638.3(36), 667.2(17), 256.4(15.9)
230.62 *5*	1.7	^{79}Ge(19.1 s)	109.58(21), 1505.85(9.2), 100.48(2.70)
230.62 *5*	61	^{79}Ge(39.0 s)	542.27(32.6), 755(18), 634.00(13)
• 230.628 *13*	0.0801 *12*	^{160}Tb(72.3 d)	879.383(30.01), 298.580(25.51), 966.171(25.21)
• 230.65 *5*	0.253 *15*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
230.65 *8*	2.21 *21*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
230.66 *10*		^{118}Ag(2.0 s)	487.77(57), 677.13(53), 1058.39(14.8)
230.7 *3*	1.47 *20*	^{69}Ni(11.4 s)	1871.1(40.9), 679.7(39.7), 1213.0(39.3)
230.76 *9*	0.036 *3*	^{139}Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
230.8 *3*	0.70 *4*	^{175}Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
230.82 *3*	6.3	^{154}Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
230.88 *8*	0.0265 *22*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
230.9 *2*	0.019 *6*	^{133}Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
230.90 *13*	0.52 *6*	^{151}Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
230.9 *2*	†100 *10*	^{204}Fr(1 s)	
230.9 *5*		^{223}Rn(23.2 m)	591.8(†100), 635.2(†76), 416.0(†55)
• 230.9 *4*	0.024 *5*	^{252}Es(471.7 d)	52.33(0.55), 64.42(0.274), 418.5(0.220)
230.92 *10*	†100	^{157}Yb(38.6 s)	340.7(†90), 241.7(†74), 353.94(†57)
230.95 *5*	0.278 *17*	^{121}I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
231.0	>0.0043	^{83}As(13.4 s)	734.60(43), 1113.10(14.7), 2076.70(11.9)
231.0 *3*		^{122}Ba(1.95 m)	550.7, 388.7, 65.8
231.0 *10*	0.12 *6*	^{138}Pr(2.12 h)	1037.8(101), 788.742(100), 302.7(80)
231.10 *5*	0.93 *19*	^{157}Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
231.1 *2*	†3.5 *10*	^{159}Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
231.1 *3*		^{207}Hg(2.9 m)	351.059(77), 997.1(69), 1637.1(30)
231.1 *2*	†61	^{256}Es(7.6 h)	861.8(†100), 172.6(†49), 1092.9(†47)
• 231.15 *20*	0.0058 *7*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
231.2 *8*	2.68 *4*	^{90}Tc(49.2 s)	1054.3(100), 948.1(100), 944.7(36.6)
231.2 *4*	†0.8 *4*	^{105}Nb(2.95 s)	94.8(†100), 246.9(†79), 309.9(†41.9)
231.2 *4*	0.10 *5*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
231.2 *1*	0.063 *6*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
231.2 *3*		^{207}Hg(2.9 m)	351.059(77), 997.1(69), 1637.1(30)
231.3 *4*	†8 *2*	^{134}Pr(17 m)	1964.1(†100), 1904.3(†100), 1579.9(†100)
231.3 *3*	†6.0 *15*	^{189}Au(28.7 m)	713.17(†100), 812.68(†63), 447.65(†55)
• 231.3 *2*	0.0022 *11*	^{225}Ac(10.0 d)	99.91(1.01), 150.04(0.80), 99.63(0.62)
• 231.326 *19*	0.209 *7*	^{166}Ho(1.20×10^3 y)	184.410(72.6), 810.276(58.08), 711.683(55.32)
231.4 *1*	0.10	^{43}Ar(5.37 m)	975.0(34), 738.1(15), 1439.5(13)
231.42 *10*	0.026 *4*	^{228}Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
• 231.4255 *25*	0.062 *5*	^{77}Br(57.036 h)	238.996(23), 520.639(22.4), 297.215(4.16)

Energy-ordered Decay γ-ray Tables from the *Table of Isotopes*

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 231.440 *20*	0.74 *1*	^{115}Cd(53.46 h)	336.240(45.9), 527.900(27.45), 492.3(8.03)
• 231.440 *20*	0.00088 *6*	^{115}Cd(44.6 d)	933.8(2.000), 1290.580(0.890), 484.470(0.290)
231.5		^{161}Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
231.54 *9*	0.325 *12*	^{83}Se(70.1 s)	1030.86(21.2), 356.687(18), 987.96(16.1)
• 231.550 *2*	2.05 *4*	^{143}Ce(33.039 h)	293.266(42.80), 57.356(11.7), 664.571(5.69)
231.6 *1*	10.74 *23*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
231.6 *2*	0.33 *7*	^{148}Ce(56 s)	269.519(17.0), 291.724(16.7), 121.169(13.2)
231.6 *2*	†30 *4*	^{181}Ir(4.90 m)	107.64(†100), 1639.6(†52), 318.9(†46)
231.611 *10*	12.12 *25*	^{142}Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
231.67 *1*	84 *6*	^{85}Y(2.68 h)	504.45(60), 913.93(9.0), 409.5(0.84)
231.67 *1*	22.8 *14*	^{85}Y(4.86 h)	2123.8(5.0), 767.40(3.6), 535.61(3.46)
231.7 *3*	0.90 *12*	^{126}Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
231.70 *10*	0.0030	^{239}U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
231.73 *21*	0.58 *4*	^{186}Au(10.7 m)	191.56(62), 298.67(25.4), 764.89(10.5)
231.8 *6*	†100	^{119}Xe(5.8 m)	98.5(†95), 461.5(†91), 207.8(†60)
231.8		^{131}La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
231.8 *3*	0.070 *7*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
231.85 *23*	0.101 *19*	^{103}Tc(54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
231.85 *10*	0.100 *14*	^{201}Pb(9.33 h)	331.19(79), 361.27(9.9), 945.96(7.4)
231.9 *2*	0.17 *3*	^{101}Sr(118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
231.9 *2*	†0.41 *21*	^{194}Bi(92 s)	965.4(†100.0), 575.1(†98.0), 280.1(†73.7)
231.92 *2*	0.36 *4*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
232.0 *2*	4.90 *20*	^{114}Pd(2.42 m)	126.7(4.49), 358.5(1.63), 136.7(0.90)
232.0 *6*		^{192}Hg(4.85 h)	274.8(50.4), 157.2(7), 306.5(5.4)
232.06 *5*	0.34 *5*	^{202}Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
232.08 *1*	2.04 *4*	^{145}Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
232.08 *3*	4.4	^{154}Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
232.1 *2*	†11.9 *15*	^{101}Y(448 ms)	98.3(†100), 133.8(†18.8), 661.8(†11.3)
232.1 *10*	0.301 *9*	^{129}Sb(4.40 h)	812.8(43), 914.6(20.0), 544.7(17.9)
• 232.101 *3*	0.0238 *10*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
232.101 *3*	0.47 *4*	^{154}Tb(9.4 h)	123.071(30), 247.925(22.1), 540.18(20)
232.101 *3*		^{154}Tb(21.5 h)	123.071(26), 1274.436(10.5), 2187.10(9.9)
232.101 *3*		^{154}Tb(22.7 h)	247.925(79), 346.643(69), 1419.81(46)
232.12 *6*	0.198 *18*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
• 232.18 *15*	0.0032 *4*	^{131}I(8.02070 d)	364.489(81.7), 636.989(7.17), 284.305(6.14)
232.18 *6*	0.54 *6*	^{193}Au(17.65 h)	186.17(10.1), 255.57(6.7), 268.22(3.9)
232.2 *4*	0.85 *8*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
232.2 *1*	0.27	^{227}Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
232.21 *3*	0.175 *21*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
232.3 *3*	†6.1 *6*	^{113}Ru(0.80 s)	263.2(†100), 211.7(†31.0), 337.5(†27.9)
• 232.3 *1*	0.121 *15*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
232.37 *8*	0.084 *9*	^{105}Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
232.37 *20*	0.21 *3*	^{107}Rh(21.7 m)	302.77(66), 392.47(8.8), 312.21(4.8)
232.38 *15*	0.0149 *15*	^{187}Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
232.4 *2*	†4.9 *4*	^{101}Nb(7.1 s)	276.10(†100), 157.466(†32), 13.5(†32)
232.4 *2*	0.070 *16*	^{140}Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
232.421 *16*	8.32 *25*	^{143}Cs(1.78 s)	195.554(13), 306.424(6.80), 660.06(4.79)
• 232.43 *2*	1.04 *9*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
• 232.437 *1*	0.0173 *20*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
232.5 *3*	0.081 *9*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
232.5 *3*		^{122}Ba(1.95 m)	550.7, 388.7, 231.0
232.5 *2*	0.78 *17*	^{129}Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
232.54 *20*	0.16 *5*	^{205}At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
• 232.61	<0.0002	^{134}Cs(2.062 y)	604.699(97.56), 795.845(85.44), 569.315(15.43)

Energy-ordered Decay γ-ray Tables from the *Table of Isotopes*

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
232.61 *8*	0.243 *13*	^{165}Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
232.69 *2*	11	^{69}As(15.2 m)	145.95(4.96), 86.78(3.44), 287.18(1.420)
232.7 *3*	0.055 *12*	^{76}Kr(14.8 h)	315.7(39), 270.2(21.1), 45.48(19.5)
232.7	†8	^{101}Rb(32 ms)	271.2(†100), 251.6(†31), 1091.8(†25)
232.7 *1*		^{125}La(76 s)	67.6(34), 43.6(3.5), 985.2
• 232.70 *25*	0.028 *12*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 232.7 *2*	0.015 *4*	^{245}Cm(8500 y)	174.94(10), 132.99(2.77), 41.95(0.350)
232.7 *2*	†3.0	^{256}Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
232.72 *12*	8.5×10^{-6} *15*	^{99}Tc(6.01 h)	322.41(0.000097), 89.65
• 232.72 *12*	0.43 *7*	^{99}Rh(16.1 d)	528.24(33), 353.05(30.0), 89.65(29.0)
232.72 *12*	0.089 *22*	^{99}Rh(4.7 h)	340.71(70), 617.8(12.0), 1261.2(11)
232.73 *5*	0.090 *7*	^{200}Pt(12.5 h)	76.21(13), 135.90(3.24), 243.71(2.49)
• 232.75 *2*	0.080 *13*	^{246}Pu(10.84 d)	43.81(25.0), 223.75(23.5), 179.94(9.7)
232.8 *2*	0.10 *3*	^{97}Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
232.8 *3*	†1.8	^{149}Ce(5.3 s)	57.7(†100), 380.0(†33.7), 86.4(†20.2)
• 232.81 *5*	$\dagger4.6\times10^{4}$ *3*	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^{9}), 33.195(†6000×10^{8})
232.87 *3*	0.56 *4*	^{109}Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
232.9 *1*	†14.3 *12*	^{105}Nb(2.95 s)	94.8(†100), 246.9(†79), 309.9(†41.9)
232.9	0.6	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
232.92 *13*	0.037 *10*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
• 232.94 *7*	0.088 *20*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
232.94 *3*	0.020 *7*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
233.0 *2*	3.1 *10*	^{118}Pd(1.9 s)	125.4(34), 125.4(34), 224.2(20.1)
233.0		^{138}Nd(5.04 h)	325.76(2.84), 199.50(0.53), 341.65(0.40)
233.0 *2*	2.1 *3*	^{194}Tl(32.8 m)	636.5(99), 428.0(99), 748.9(76)
• 233 *2*	0.008 *1*	^{254}Es(275.7 d)	63.0(2.0), 316(0.15), 304(0.07)
233.221 *18*		^{133}I(20.8 h)	529.872(87.0), 875.329(4.51), 1298.223(2.35)
233.25 *4*	0.38 *3*	^{228}Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
• 233.280 *13*	0.103 *3*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
233.30 *11*	0.291 *9*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
233.3 *2*	†1.3	^{144}Gd(4.5 m)	333.3(†100), 2432.6(†94.8), 629.5(†32.4)
233.3 *1*	0.524 *15*	^{210}Rn(2.4 h)	458.25(1.7), 648.70(0.843), 570.95(0.840)
233.35 *10*	†17 *1*	^{163}Hf(40.0 s)	70.98(†100), 62.14(†64), 45.39(†48)
233.36 *15*	0.307 *20*	^{208}Tl(3.053 m)	2614.533(99), 583.191(84.5), 510.77(22.6)
233.37 *8*	2.8 *2*	^{174}W(31 m)	35.42(14.1), 428.83(12.7), 328.68(9.5)
233.376 *5*	0.09	^{174}Tm(5.4 m)	366.526(92), 992.128(87), 272.918(86)
233.38 *12*	†100 *20*	^{187}Hg(1.9 m)	376.34(†38), 240.26(†33), 103.55(†32)
233.395 *12*	0.16 *3*	^{74}Ga(8.12 m)	595.847(91), 2353.46(44.5), 608.353(14.3)
233.4 *3*	1.45 *16*	^{171}Re(15.2 s)	568.4(16.1), 102.0(9.7), 1066.0(8.1)
233.4		^{182}Hg(10.83 s)	129.3(†100), 217.7(†75), 413.5(†53)
233.45 *22*	0.0108 *25*	^{139}Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
• 233.46 *20*	0.34 *9*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
• 233.469 *3*	0.029 *5*	^{235}U(7.038×10^{8} y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
• 233.5 *4*	†0.08 *1*	^{136}Cs(13.16 d)	818.514(†100), 1048.073(†80), 340.547(†42.3)
233.5 *1*	0.060 *5*	^{143}Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
• 233.54 *3*	0.071 *3*	^{189}Re(24.3 h)	216.663(5.50), 219.395(4.54), 245.09(3.5)
• 233.54 *3*	0.300 *12*	^{189}Ir(13.2 d)	245.09(6), 69.537(3.5), 59.053(1.20)
233.55 *9*	3.1 *3*	^{206}At(30.0 m)	700.66(98), 477.10(86), 395.54(48)
233.56 *10*	1.29 *16*	^{135}Nd(12.4 m)	204.02(52), 41.43(23), 441.2(14.9)
233.58 *5*	0.13 *3*	^{207}At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
233.6		^{26}Ne(197 ms)	151.1, 82.5
233.6 *1*	19.6 *10*	^{126}Ba(100 m)	257.6(7.6), 241.0(6.0), 681.8(4.4)
233.6 *3*	29.57 *11*	^{137}Pm(2.4 m)	177.5(40.29), 108.6(35), 286.0(16.06)
233.6 *1*	0.96 *6*	^{209}At(5.41 h)	545.0(91), 781.9(83.5), 790.2(63.5)

Energy-ordered Decay γ-ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
233.6 *2*		^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
233.6 *2*		^{234}Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
• 233.6 *2*		^{234}Np(4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
• 233.6 *2*		^{238}Pu(87.74 y)	43.498(0.0395), 99.853(0.00735), 152.720(0.000937)
233.6 *3*	0.45 *4*	^{251}Cm(16.8 m)	542.7(10.9), 530.0(1.62), 389.7(1.28)
• 233.6 *3*		^{255}Es(39.8 d)	269.1, 35.7
233.6 *3*	0.00026 *5*	^{255}Fm(20.07 h)	81.477(0.81), 58.477(0.67), 80.92(0.27)
• 233.605 *12*	0.553 *11*	^{173}Lu(1.37 y)	272.105(21.2), 78.63(11.87), 100.724(5.24)
233.61 *10*	1.8 *6*	^{181}Os(105 m)	238.75(44), 826.77(20), 118.03(12.9)
233.7 *1*	6.5 *5*	^{71}Br(21.4 s)	260.5(8.0), 171.6(6.2), 122.72(5.1)
233.7 *1*	0.274 *15*	^{101}Tc(14.22 m)	306.85(88), 545.06(6.0), 127.23(2.86)
• 233.7 *1*	†0.23 *3*	^{101}Rh(4.34 d)	306.85(†115), 545.06(†6.1), 127.23(†0.85)
233.71 *5*	1.0 *1*	^{148}Ce(56 s)	269.519(17.0), 291.724(16.7), 121.169(13.2)
233.77 *4*	0.405 *22*	^{100}Sr(202 ms)	963.85(22.0), 898.50(18.9), 65.46(15.2)
233.8 *2*	0.69 *14*	^{207}Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
233.8 *4*	†2.5 *4*	^{244}Bk(4.35 h)	891.5(†100), 217.6(†88), 921.5(†19)
• 233.84 *15*	0.087 *22*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 233.8608 *8*	5.58 *14*	^{177}Lu(160.4 d)	208.3664(57.7), 228.4838(37.0), 378.5029(29.7)
233.88 *10*	4.3 *6*	^{74}Kr(11.50 m)	89.65(31), 203.0(18.0), 296.67(9.9)
233.9 *3*	0.36 *5*	^{117}Cs(8.4 s)	204.8(15.0), 29.7(9.9), 205.6(6.8)
233.987 *8*	0.79 *3*	^{180}Re(2.44 m)	902.795(90), 103.557(22.2), 825.357(9.9)
234 *1*	0.078 *16*	^{100}Rh(20.8 h)	539.59(78.4), 2376.1(35.3), 1553.4(21)
234.0 *5*	†0.4 *2*	^{136}Eu(3.3 s)	254.9(†100), 431.4(†34), 458.0(†20)
234 *1*	0.021 *7*	^{138}Nd(5.04 h)	325.76(2.84), 199.50(0.53), 341.65(0.40)
234.0 *1*	†40.0 *18*	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 512.2(†37)
234.02 *20*	0.08 *3*	^{66}Ge(2.26 h)	43.89(28.7), 381.85(28), 272.97(10.4)
234.1	>0.026	^{197}Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
• 234.157 *9*	0.413 *10*	^{185}Os(93.6 d)	646.116(78.0), 874.813(6.29), 880.523(5.17)
234.2 *2*	1.5 *7*	^{103}Zr(1.3 s)	248(100), 164.05(94), 126.30(84)
234.2 *3*	0.102 *11*	^{123}Cs(5.94 m)	97.3(23), 596.7(10.1), 83.3(4.1)
234.2 *1*	0.252 *25*	^{143}Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
234.2 *2*	0.50 *9*	^{157}Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
234.2 *2*	3.1 *3*	^{176}Tm(1.9 m)	189.57(44.5), 1069.3(34), 381.8(21.8)
• 234.242 *23*	0.241 *12*	^{206}Bi(6.243 d)	803.10(99), 881.01(66.2), 516.18(40.7)
234.3 *4*	0.54 *4*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
234.3 *6*	0.030 *10*	^{132}I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
234.3 *5*	†2.5 *13*	^{134}I(3.69 m)	884.090(†3.6), 847.025(†3.6)
234.3 *3*	0.154 *7*	^{233}Np(36.2 m)	312.17(0.7), 298.89(0.44), 546.9(0.280)
234.4 *3*	0.063 *13*	^{83}Y(7.08 m)	35.50(0.44), 882.1(6.30), 489.90(5.53)
234.4 *2*	1.32 *13*	^{119}Cs(43.0 s)	176.05(29.7), 225.13(26), 257.9(17.4)
234.4	0.11 *3*	^{130}La(8.7 m)	357.4(81.0), 550.7(25.9), 908.0(17.0)
234.4	0.08	^{147}Ce(56.4 s)	268.80(7), 92.9(4.7), 374.23(3.5)
234.4	0.4 *3*	^{224}Th(1.05 s)	178.1(9), 410(0.8), 295.7(0.3)
• 234.40 *4*	0.0205 *7*	^{237}U(6.75 d)	59.537(34.5), 208.00(21.14), 26.345(2.43)
• 234.40 *4*	†7×10^{03} *3*	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^{9}), 33.195(†6000×10^{8})
234.41 *15*	0.106 *22*	^{150}Pr(6.19 s)	130.2(32), 722.5(7.0), 852.7(6.1)
234.44 *3*	2.65 *12*	^{90}Kr(32.32 s)	1118.69(39.0), 121.82(35.5), 539.49(30.8)
234.45 *5*	0.78 *4*	^{163}Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
234.48 *26*		^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
234.5	0.9	^{83}Zr(44 s)	55.55(8), 104.97(5.70), 475.1(5.1)
234.50 *8*	†4 *1*	^{114}Te(15.2 m)	90.28(†100), 83.8(†67), 1417.6(†32)
234.5 *2*	4.7 *3*	^{121}Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
234.5 *1*	0.8 *3*	^{141}Tb(3.5 s)	293.3(16.8), 343.6(16.3), 198.4(14.8)
234.5 *4*	0.16 *9*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)

Energy-ordered Decay γ-ray Tables from the *Table of Isotopes*

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
234.5 *1*	0.151 *13*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
234.6 *3*	1.1 *4*	^{139}Sm(2.57 m)	273.7(37), 306.7(28.5), 596.3(8.0)
234.6 *3*	0.057 *11*	^{141}Eu(40.0 s)	394.0(9), 384.5(5.6), 382.9(2.97)
• 234.60 *3*	0.051 *7*	^{193}Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
234.6 *1*	0.26 *3*	^{249}Es(102.2 m)	379.5(40.4), 813.2(9.2), 375.1(3.3)
234.61 *5*	†2.14×10^{3} *24*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
234.7 *3*	0.13 *3*	^{76}Kr(14.8 h)	315.7(39), 270.2(21.1), 45.48(19.5)
• 234.70 *10*	0.0349 *19*	^{125}Sn(9.64 d)	1067.10(10), 1089.15(4.59), 822.48(4.28)
234.7	0.6	^{145}La(24.8 s)	70.0(11), 355.8(3.8), 118.2(3.6)
234.7 *1*	0.020 *7*	^{226}Fr(48 s)	253.73(22.3), 186.05(16.3), 253.9(2.5)
• 234.7 *1*	8.4×10^{-6} *18*	^{230}Th(7.538×10^{4} y)	67.67(0.376), 143.87(0.0486), 253.73(0.0111)
• 234.789 *22*	0.0650 *25*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
234.8 *3*	0.082 *8*	^{112}Sb(51.4 s)	1257.05(96), 990.70(14.3), 670.0(3.7)
234.8 *2*	†19.2 *18*	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 234.0(†40.0)
234.8 *2*	†0.14 *5*	^{160}Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
234.8 *2*	0.064 *21*	^{160}Ho(25.6 m)	728.18(46.9), 879.383(26.6), 962.317(25.6)
234.8 *3*	†0.24 *7*	^{188}Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
234.8 *2*	0.45 *7*	^{198}Tl(5.3 h)	411.8044(82), 675.8874(11), 636.4(10.1)
234.8 *1*	†14.3 *1*	^{225}Fr(4.0 m)	182.3(†100), 31.50(†91), 225.1(†55)
234.81 *9*	3.0	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 49.89(2.7)
• 234.81 *9*	†27 *10*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
• 234.832 *1*	0.0331 *20*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
• 234.90 *6*	0.37 *3*	^{69}Ge(39.05 h)	1107.01(36), 574.17(13.3), 872.14(11.9)
234.9 *5*	0.14	^{101}Cd(1.2 m)	98.0(47), 1722.5(11), 1259.3(8)
234.9	0.060 *14*	^{141}Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
234.96 *13*	0.105 *14*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
235.0 *1*	0.3 *1*	^{128}Sb(9.01 h)	753.82(100), 743.22(100), 314.12(61)
• 235.0 *2*	0.020 *15*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
235.0 *1*	0.17 *6*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
• 235.0	0.021	^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
235.024 *6*	1.12 *13*	^{180}Lu(5.7 m)	407.94(43.0), 1199.7(24.3), 1106.00(22.7)
235.1 *4*	0.033 *16*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
235.11 *3*	0.113 *21*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
235.21 *9*	0.095 *8*	^{165}Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
235.3 *2*	0.28 *8*	^{119}Ag(2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
235.3 *4*	0.27 *4*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
• 235.3 *1*	0.043 *8*	^{226}Ac(29 h)	230.37(27), 158.18(17.5), 72.20(0.56)
• 235.3 *1*	0.0117 *8*	^{230}U(20.8 d)	72.20(0.60), 154.23(0.125), 230.37(0.122)
235.40 *22*	0.396 *16*	^{86}Y(14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
235.4 *3*	0.25 *5*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
235.4 *3*	†100	^{233}Pu(20.9 m)	534.8(†90.2), 500.3(†38.6), 688.1(†33.3)
235.471 *26*	2.19 *19*	^{134}I(52.6 m)	847.025(95.4), 884.090(64.9), 1072.547(15.0)
• 235.50 *12*	0.42 *3*	^{190}Ir(11.78 d)	186.718(52.4), 605.24(39.9), 518.55(34.0)
235.519 *17*	0.219 *18*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
• 235.55 *15*	0.039 *4*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
235.58 *25*	0.008 *3*	^{85}Br(2.90 m)	802.41(2.56), 924.63(1.63), 919.06(0.65)
235.62 *6*	1.05 *6*	^{148}Ba(0.607 s)	56.08(29.20), 133.53(3.88), 415.78(3.59)
235.63 *2*	4.30 *13*	^{200}Pb(21.5 h)	147.63(37.7), 257.17(4.46), 268.38(3.96)
235.68 *5*	0.42 *8*	^{77}Zn(2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
• 235.69 *2*	0.294 *16*	^{95}Zr(64.02 d)	756.729(54), 724.199(44.17)
235.7 *6*	†10 *2*	^{119}Xe(5.8 m)	231.8(†100), 98.5(†95), 461.5(†91)
235.736 *10*	0.35 *10*	^{182}Os(22.10 h)	510.056(52), 180.230(33.5), 263.285(6.71)
• 235.79 *4*	0.057 *3*	^{205}Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
235.9 *8*	4.2 *4*	^{80}Sr(106.3 m)	589.0(39), 175.4(10.1), 553.4(6.9)

Energy-ordered Decay γ-ray Tables from the *Table of Isotopes*

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
235.9 *3*	0.30 *3*	^{117}Cs(8.4 s)	204.8(15.0), 29.7(9.9), 205.6(6.8)
235.9 *2*		^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
235.9 *3*	0.50	^{150}Tb(5.8 m)	638.05(100), 650.4(70), 438.37(42)
235.90 *8*	0.82 *7*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
235.9 *3*		^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
235.9 *3*	†80 *40*	^{234}Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
• 235.9 *3*	0.012 *2*	^{234}Np(4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
• 235.9 *3*	1.0×10^{-8} *5*	^{238}Pu(87.74 y)	43.498(0.0395), 99.853(0.00735), 152.720(0.000937)
235.91 *12*	0.48 *4*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
235.93 *2*	2.472 *12*	^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
• 235.971 *20*	†813 *57*	^{227}Th(18.72 d)	50.13(†528), 256.25(†463), 329.851(†178)
• 235.993 *18*	0.0092 *6*	^{231}Th(25.52 h)	25.646(14.5), 84.216(6.6), 89.944(0.94)
• 235.993 *18*	0.2	^{231}U(4.2 d)	25.646(12), 84.216(7), 217.940(0.8)
236.0 *10*	0.17 *3*	^{99}Pd(21.4 m)	136.00(73), 263.60(15.2), 673.38(6.9)
• 236.0 *6*	0.010	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)
236.021 *5*	0.07 *3*	^{162}Ho(67.0 m)	185.005(28.6), 1220.0(22.5), 282.864(11.3)
236.075 *4*	0.79 *5*	^{75}Br(96.7 m)	286.572(88), 141.3147(6.6), 427.883(4.4)
236.10 *30*	0.83 *7*	^{115}Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
236.14 *3*	0.122 *9*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
236.18 *16*	64	^{184}Hg(30.6 s)	156.24(58), 295.11(10.3), 392.42(7.1)
236.19 *7*	0.08	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
236.2 *1*	0.12	^{43}Ar(5.37 m)	975.0(34), 738.1(15), 1439.5(13)
236.2 *2*	1.9 *5*	^{103}Zr(1.3 s)	248(100), 164.05(94), 126.30(84)
236.2 *4*	0.50 *15*	^{121}Cd(13.5 s)	324.976(49.5), 1040.26(16.8), 349.937(12.9)
• 236.20 *7*	0.095 *16*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
236.2 *1*	†100	^{155}Yb(1.75 s)	174.9(†55), 361.6(†46), 378.0(†26)
236.2		^{182}Hg(10.83 s)	129.3(†100), 217.7(†75), 413.5(†53)
236.249 *8*	†0.54 *8*	^{225}Fr(4.0 m)	182.3(†100), 31.50(†91), 225.1(†55)
• 236.249 *8*	0.174 *9*	^{229}Th(7340 y)	193.509(4.4), 210.853(2.8), 86.40(2.57)
236.25 *3*	6.2 *3*	^{108}Sn(10.30 m)	396.44(64.3), 272.75(45.5), 669.08(22.6)
236.3 *3*	0.054 *9*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
236.3 *3*	†4 *1*	^{171}W(2.38 m)	184.2(†100), 294.5(†89), 478.7(†83)
236.3 *3*	†21.0 *20*	^{182}Ir(15 m)	273.23(†100), 126.79(†77), 912.02(†20.3)
236.3	0.12 *6*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
236.3 *3*	†>0.27	^{230}Ra(93 m)	72.0(†100), 63.0(†35.4), 202.8(†27.3)
236.369 *12*	3.41 *5*	^{183}Os(13.0 h)	381.768(89.6), 114.463(20.63), 167.844(8.81)
236.4 *4*	†9 *2*	^{112}Te(2.0 m)	372.70(†100), 296.20(†86), 418.9(†57)
236.4 *2*	†>0.14	^{160}Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
• 236.42 *21*	4.6×10^{-5} *7*	^{233}U(1.592×10^{5} y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
236.43 *3*	0.512 *24*	^{161}Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
236.48 *1*	0.97 *6*	^{207}At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
236.48 *1*	0.063 *9*	^{211}Rn(14.6 h)	68.573(0.42), 167.90(0.07)
236.5 *5*	†8	^{177}Os(2.8 m)	84.7(†100), 125.4(†63), 195.8(†61)
236.59 *11*	†28.6 *24*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
236.6	0.42	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
236.60 *23*	0.044 *4*	^{195}Pb(15.0 m)	383.64(106.9), 394.21(44), 878.40(24.2)
236.66 *10*	0.55 *5*	^{208}At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
236.68 *10*	6.0×10^{-5} *3*	^{135}La(19.5 h)	480.51(1.5), 874.51(0.164), 587.83(0.1108)
• 236.68 *7*	0.160 *18*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
236.7 *4*	0.34 *11*	^{113}Rh(2.72 s)	189.7(17.0), 409.3(15.9), 219.6(3.88)
236.7 *1*	3.0 *3*	^{129}Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
236.7 *1*	6.2 *9*	^{140}Gd(15.8 s)	174.8(76), 749.9(70), 379.0(38)
236.72 *17*	0.21 *3*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
236.78 *4*	†1.5 *5*	^{101}Nb(7.1 s)	276.10(†100), 157.466(†32), 13.5(†32)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
236.8 *2*	†1.6 *4*	^{103}Nb(1.5 s)	102.64(†100), 641.1(†55), 538.5(†34.0)
236.8 *2*		^{146}Dy(29 s)	2156.8, 1915.7, 1876.7
• 236.81 *7*	0.19 *5*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
236.81 *9*	1.66 *25*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
236.9 *5*	2 *1*	^{105}Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
237.0 *2*	0.10	^{140}Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
237.0	†1.2 *2*	^{178}Ir(12 s)	266.1(†100.0), 131.6(†79), 363.1(†39.9)
237.09 *13*	0.73 *7*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
237.1 *5*	0.40 *11*	^{77}Rb(3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
• 237.11 *7*	0.52 *9*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
237.11 *7*	0.24	^{183}Os(9.9 h)	1101.94(49.0), 1107.92(22.36), 1034.85(6.02)
237.14 *4*	0.302 *10*	^{171}Er(7.516 h)	308.31(64.4), 295.901(28.9), 111.621(20.5)
• 237.19	>0.00049	^{83}Rb(86.2 d)	520.39(44.7), 529.635(29.3), 552.63(16.0)
237.2 *3*	52 *7*	^{146}Ho(3.6 s)	682.9(100), 925.3(69), 673.7(55)
237.2		^{161}Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
237.2 *2*	0.055 *16*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
237.23 *7*	0.32 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
237.23 *4*	0.143 *7*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
• 237.23 *4*	0.019 *2*	^{246}Bk(1.80 d)	798.80(61), 1081.40(5.8), 833.60(5.0)
• 237.28 *6*	0.0094 *8*	^{152}Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
237.2881 *18*	0.07	^{182}Hf(61.5 m)	942.80(18.8), 799.64(9.4), 114.3152(6.2)
237.3 *2*	0.26 *5*	^{97}Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
237.3 *3*	45 *3*	^{178}Re(13.2 m)	105.9(23.0), 939.1(8.9), 777.9(3.8)
237.4	5.0 *13*	^{51}Fe(305 ms)	1825(0.49), 2140(0.24), 3423(0.20)
237.4 *5*	0.22 *7*	^{98}Sr(0.653 s)	119.353(73), 444.628(39), 428.4(31)
237.40 *14*	0.127 *17*	^{103}Ag(65.7 m)	118.72(31.2), 148.193(28.3), 266.86(13.3)
237.4 *3*	0.102 *11*	^{123}Cs(5.94 m)	97.3(23), 596.7(10.1), 83.3(4.1)
237.4 *1*		^{125}La(76 s)	67.6(34), 43.6(3.5), 985.2
237.4 *6*	0.041 *7*	^{150}Pm(2.68 h)	333.971(68), 1324.51(17.5), 1165.739(15.8)
237.4 *2*	0.00743 *16*	^{159}Gd(18.479 h)	363.55(11.4), 58.00(2.15), 348.16(0.234)
237.4 *5*	†0.20 *2*	^{188}Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
• 237.5 *4*	0.0028 *20*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
237.6 *5*	0.038 *19*	^{118}In(4.45 m)	1229.68(96), 1050.69(81.0), 683.08(54.3)
237.6	†0.8 *4*	^{178}Ir(12 s)	266.1(†100.0), 131.6(†79), 363.1(†39.9)
237.63 *11*	1.67 *3*	^{172}Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
• 237.64 *9*	0.012 *5*	^{160}Tb(72.3 d)	879.383(30.01), 298.580(25.51), 966.171(25.21)
237.65 *9*	†2.89 *9*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
237.7 *5*	0.50 *5*	^{61}Mn(0.71 s)	628.6(16.7), 206.8(8.2), 391.0(1.1)
237.7		^{99}Y(1.470 s)	121.761(33), 724.30(14.9), 536.2(6.6)
• 237.7	0.0063 *25*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
237.7 *2*	0.18 *3*	^{177}W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
• 237.774 *5*	1.44×10^{-5} *6*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
237.8		^{152}Ho(49.5 s)	315.9, 78
237.8 *3*	0.3 *1*	^{159}Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
• 237.8 *1*	<0.09	^{231}Th(25.52 h)	25.646(14.5), 84.216(6.6), 89.944(0.94)
237.86 *2*	0.0021	^{233}Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
• 237.86 *2*	0.063 *7*	^{237}Np(2.14×10^6 y)	29.374(15.0), 86.477(12.4), 94.66(0.6)
237.873 *15*	5.0 *3*	^{167}Ho(3.1 h)	346.547(56), 321.336(23.5), 207.801(4.9)
237.9 *3*	0.132 *25*	^{86}Y(14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
237.9 *2*	0.19 *3*	^{96}Rh(9.90 m)	832.57(100), 685.49(95.7), 631.71(74.5)
237.9 *2*	4	^{132}La(24.3 m)	464.55(22), 663.07(11.6), 285.6(7)
237.9 *2*	1.2	^{145}Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)
237.9 *2*	0.015 *8*	^{157}Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
237.9 *7*	0.231 *22*	^{199}Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
237.92 *14*	0.10 *3*	^{181}Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
237.93 *4*	0.39 *10*	^{143}Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
238.0 *3*		^{122}Ba(1.95 m)	550.7, 388.7, 231.0
238.0 *2*	1.1	^{145}La(24.8 s)	70.0(11), 355.8(3.8), 118.2(3.6)
238	†1.0	^{181}Os(2.7 m)	144.99(†100), 118.03(†28.3), 1118.8(†4.2)
238.1 *1*	0.150 *7*	^{210}Rn(2.4 h)	458.25(1.7), 648.70(0.843), 570.95(0.840)
238.1 *2*	0.069 *10*	^{223}Ac(2.10 m)	98.58(0.891), 191.3(0.58), 83.55(0.57)
238.2 *1*	3.5 *3*	^{137}Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
238.2 *1*	0.21 *10*	^{242}U(16.8 m)	67.60(9.6), 55.58(3.90), 585.0(1.92)
238.25 *7*	0.306 *17*	^{101}Tc(14.22 m)	306.85(88), 545.06(6.0), 127.23(2.86)
• 238.25 *7*	†0.28 *3*	^{101}Rh(4.34 d)	306.85(†115), 545.06(†6.1), 127.23(†0.85)
• 238.25 *15*	0.0166 *18*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
238.3 *8*	0.70 *12*	^{105}In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
238.3 *5*	0.23	^{157}Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
238.3 *5*	0.11 *4*	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
238.3 *2*	0.25 *5*	^{198}Tl(5.3 h)	411.8044(82), 675.8874(11), 636.4(10.1)
238.3		^{238}Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
• 238.38 *12*	0.00022 *3*	^{149}Pm(53.08 h)	285.95(3.1), 859.46(0.109), 590.88(0.069)
238.4 *3*	0.049 *10*	^{97}Nb(72.1 m)	658.08(98), 1024.49(1.09), 1268.68(0.148)
238.4 *5*	†0.2 *2*	^{101}Nb(7.1 s)	276.10(†100), 157.466(†32), 13.5(†32)
238.4 *5*	0.46 *15*	^{113}Te(1.7 m)	814.4(22), 1018.1(13.0), 1181.0(12.3)
238.4 *1*	†1.09 *13*	^{123}La(17 s)	92.5(†100), 937.3(†43), 153.6(†43)
• 238.40 *25*	0.034 *9*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
238.4 *3*	2.4 *3*	^{176}Tm(1.9 m)	189.57(44.5), 1069.3(34), 381.8(21.8)
238.4	<0.015	^{214}Pb(26.8 m)	351.921(35.8), 295.213(18.5), 241.981(7.50)
238.41 *2*	1.56 *16*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
238.453 *20*	0.80	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
• 238.471 *18*	0.160 *14*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
• 238.481 *2*	0.00226 *12*	^{161}Tb(6.88 d)	25.65150(23.2), 48.91562(17.0), 74.56711(10.2)
238.481 *2*	0.00070 *23*	^{161}Ho(2.48 h)	25.65150(27), 103.062(3.9), 77.414(1.91)
238.54 *15*	†2.5 *8*	^{155}Nd(8.9 s)	180.574(†100), 418.99(†75), 955.08(†50)
238.54 *9*	0.063 *25*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
238.581 *20*	0.0353 *10*	^{166}Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
• 238.6 *4*		^{234}Np(4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
238.61 *9*	0.218 *11*	^{179}W(6.40 m)	281.70(0.186), 222.5(0.057), 213.9(0.057)
238.62 *12*	†40 *3*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
238.63 *2*	0.53 *3*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
238.632 *2*	43.3 *4*	^{212}Pb(10.64 h)	300.087(3.28), 115.183(0.592), 415.2(0.143)
238.638 *3*	0.40 *8*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
238.64 *3*	0.146 *7*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
238.7 *3*	1.53 *15*	^{98}Sr(0.653 s)	119.353(73), 444.628(39), 428.4(31)
238.7 *1*	2.30 *22*	^{129}Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
238.70 *15*	†3.4 *5*	^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
238.7 *6*	0.42 *21*	^{186}Pt(2.0 h)	276.7(0), 611.5(6.0), 635.6(>3.8)
238.75 *9*	44 *4*	^{181}Os(105 m)	826.77(20), 118.03(12.9), 831.62(7.7)
238.8 *2*	0.019 *9*	^{98}Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
238.8 *1*	0.146 *22*	^{142}Gd(70.2 s)	750.2(11.2), 178.90(11.20), 284.4(6.16)
238.8 *5*	†0.13 *2*	^{188}Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
238.9	>0.08	^{83}Zr(44 s)	55.55(8), 104.97(5.70), 475.1(5.1)
238.9 *4*	0.34 *6*	^{85}Y(2.68 h)	231.67(84), 504.45(60), 913.93(9.0)
238.9 *4*	0.013 *3*	^{85}Y(4.86 h)	231.67(22.8), 2123.8(5.0), 767.40(3.6)
238.9 *2*	†3.3×10^3 *4*	^{158}Er(2.29 h)	71.91(†23300), 386.84(†111000), 248.58(†42000)
• 238.94 *5*	0.087 *12*	^{151}Gd(124 d)	153.56(6.20), 243.28(5.60), 174.70(2.96)

Energy-ordered Decay γ-ray Tables from the *Table of Isotopes*

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
238.97 *15*	0.58 *13*	^{125}Cd(0.57 s)	1027.53(25.8), 1173.16(25.1), 736.65(12.6)
• 238.996 *3*	1.6	^{77}As(38.83 h)	520.639(0.558), 249.786(0.394), 87.8671(0.202)
• 238.996 *3*	23	^{77}Br(57.036 h)	520.639(22.4), 297.215(4.16), 249.786(2.98)
239.0 *3*	0.27 *4*	^{76}Kr(14.8 h)	315.7(39), 270.2(21.1), 45.48(19.5)
239.0 *2*	0.061 *19*	^{103}Tc(54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
• 239.0 *2*	0.0021 *9*	^{160}Tb(72.3 d)	879.383(30.01), 298.580(25.51), 966.171(25.21)
239.0 *2*	†0.23 *5*	^{160}Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
239.0 *2*	0.107 *21*	^{160}Ho(25.6 m)	728.18(46.9), 879.383(26.6), 962.317(25.6)
239.0 *1*	0.9 *5*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
239.0 *7*	0.91 *23*	^{194}Tl(32.8 m)	636.5(99), 428.0(99), 748.9(76)
239.127 *23*	0.086 *4*	^{187}W(23.72 h)	685.774(27.3), 479.531(21.8), 72.001(11.14)
239.17 *11*	†58 *4*	^{159}Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
239.190 *18*	12.4 *5*	^{209}At(5.41 h)	545.0(91), 781.9(83.5), 790.2(63.5)
• 239.2 *4*	0.022 *12*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
239.2 *2*		^{181}Ir(4.90 m)	107.64(†100), 1639.6(†52), 318.9(†46)
239.2 *2*	†2.96 *18*	^{192}Tl(9.6 m)	422.8(†100), 634.8(†75.9), 786.3(†31.7)
239.21	0.12	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
239.22 *8*	8.6 *5*	^{167}Lu(51.5 m)	29.66(14.4), 213.19(3.6), 1267.26(3.25)
239.26 *22*	0.16 *3*	^{93}Kr(1.286 s)	253.42(41.2), 323.89(24.1), 266.83(20.6)
239.261 *5*	1.67 *9*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
239.3 *5*	0.45 *12*	^{126}Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
239.3 *2*	†4.1 *12*	^{229}Ac(62.7 m)	164.522(†100), 569.1(†91), 261.92(†39)
239.3 *1*	0.41 *6*	^{240}Np(61.9 m)	566.34(25.3), 973.9(23.8), 600.57(18.4)
• 239.4 *2*	0.0042 *10*	^{152}Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
239.4 *1*	†5 *1*	^{227}Rn(22.5 s)	162.14(†100), 739.2(†65), 686.2(†62)
• 239.46 *10*	0.054 *6*	^{194}Au(38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
239.5 *12*	16.6 *19*	^{32}Na(13.2 ms)	885.4(60), 2151.3(32), 1972.8(8.6)
239.5 *44*	†<0.2	^{142}Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
• 239.5 *2*	0.0042 *8*	^{172}Er(49.3 h)	610.062(44.2), 407.338(42.1), 68.107(3.29)
239.50 *19*	0.09 *3*	^{181}Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
239.5 *10*	0.017	^{210}Rn(2.4 h)	458.25(1.7), 648.70(0.843), 570.95(0.840)
239.51 *13*	1.21 *12*	^{174}W(31 m)	35.42(14.1), 428.83(12.7), 328.68(9.5)
• 239.540 *1*	0.2267 *20*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
239.54 *9*	0.079 *11*	^{200}Pt(12.5 h)	76.21(13), 135.90(3.24), 243.71(2.49)
239.585 *5*	4.4 *4*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
239.6 *5*	0.4 *3*	^{74}Kr(11.50 m)	89.65(31), 203.0(18.0), 296.67(9.9)
239.6 *2*	7.7 *5*	^{121}Cs(155 s)	153.9(15.2), 427.1(3.63), 179.4(2.7)
239.6 *2*	1.75 *18*	^{121}Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
239.6	0.013	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
239.60 *6*	0.41 *3*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
239.6 *2*	†8.9 *9*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
239.62 *6*	0.5	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
• 239.629 *8*	2.410 *23*	^{131}Ba(11.50 d)	496.326(47), 123.805(28.97), 216.078(19.66)
• 239.65 *2*	†1.31×10^4 *10*	^{134}Ce(75.9 h)	162.306(†230000), 130.414(†209000), 39.08(†>150000)
239.68 *10*	†18 *4*	^{163}Lu(238 s)	163.08(†100), 54.00(†88), 396.34(†63)
239.7 *2*	8.4 *7*	^{176}Tm(1.9 m)	189.57(44.5), 1069.3(34), 381.8(21.8)
239.7 *10*	0.17 *3*	^{201}Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
• 239.703 *24*	0.014 *3*	^{189}Re(24.3 h)	216.663(5.50), 219.395(4.54), 245.09(3.5)
239.8 *10*		^{181}Hg(3.6 s)	158.7, 92.4, 214.2
239.8 *4*	1.5	^{199}Po(4.13 m)	1002.19(19), 1034.3(16), 362.01(7)
239.828 *25*	0.0060 *24*	^{173}Hf(23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
239.864 *2*	0.176 *10*	^{199}Pt(30.80 m)	542.993(15), 493.772(5.59), 317.056(4.95)
239.90 *3*	1.07 *6*	^{109}Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
239.9 *1*	0.018 *4*	^{121}I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 239.9 *2*	0.0114 *8*	^{172}Er(49.3 h)	610.062(44.2), 407.338(42.1), 68.107(3.29)
240.0 *3*	†2.1 *6*	^{111}Ru(2.12 s)	303.8(†100), 211.7(†77.7), 382.0(†41.3)
240.0 *3*	†55 *6*	^{121}La(5.3 s)	139.3(†100), 134.4(†73), 97.8(†57)
240.00 *20*	0.25 *5*	^{158}Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
240.0 *3*		^{163}Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
240.0	>0.006	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
240.0 *5*	8.1 *14*	^{196}Pb(37 m)	253.1(27.0), 502.1(26.5), 366.5(11.1)
240	†23	^{228}Pa(22 h)	95(†100), 310(†42), 280(†20)
240.03 *7*	1.8 *3*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
• 240.09 *1*	3.83 *23*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
240.1 *2*	†71.0 *25*	^{201}Po(15.3 m)	890.1(†100), 904.2(†54.8), 1186.7(†20.8)
240.17 *9*	48	^{176}Re(5.3 m)	109.08(25.0), 848.7(4.0), 820(3.8)
240.19 *2*	12.5 *6*	^{155}Ho(48 m)	136.30(5.00), 45.38(5), 39.39(3.31)
240.20 *5*	0.54 *3*	^{119}I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
240.2 *2*	3.5 *4*	^{190}Tl(3.7 m)	416.4(91), 625.4(82), 731.1(37)
240.2		^{190}Tl(3.7 m)	416.4(91), 625.4(82), 731.1(37)
240.2 *8*	0.11	^{228}Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
240.20 *10*	0.052 *21*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
240.220 *7*	3.94 *16*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
240.22 *4*	4.5 *3*	^{202}Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
240.26 *15*	†33 *7*	^{187}Hg(1.9 m)	233.38(†100), 376.34(†38), 103.55(†32)
• 240.26 *4*	0.00028 *3*	^{231}Th(25.52 h)	25.646(14.5), 84.216(6.6), 89.944(0.94)
240.3 *7*	0.187 *22*	^{199}Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
240.3 *2*	†2	^{256}Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
• 240.332 *3*	0.1138 *14*	^{169}Yb(32.026 d)	63.12077(44.2), 197.95788(35.8), 177.21402(22.16)
240.36 *2*	0.246 *9*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
• 240.39 *6*	0.00035 *6*	^{233}U(1.592×10^5 y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
240.4 *5*	0.16 *5*	^{136}Nd(50.65 m)	108.90(32), 40.2(18.9), 574.8(10.4)
240.4	1.0	^{203}Po(36.7 m)	908.64(55), 1090.95(19.2), 893.49(18.7)
240.43 *7*		^{131}Sn(58.4 s)	367.40, 285.0, 62.9
240.43 *7*	†6.5 *10*	^{131}Sn(56.0 s)	1226.03(†100), 450.03(†90), 798.50(†86)
240.45 *6*	0.31 *4*	^{204}Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
240.49 *3*	7.5 *4*	^{164}Tm(5.1 m)	208.08(14.6), 314.97(10), 547.17(4.44)
240.5 *5*	0.22 *4*	^{70}As(52.6 m)	1039.20(81), 1114.1(21.8), 668.3(21.8)
240.5 *2*	†74 *15*	^{136}I(46.9 s)	1686.1(†100), 1689.0(†85), 1639.8(†61)
240.5 *4*	4.6 *13*	^{181}Lu(3.5 m)	652.5(22.0), 205.94(16.1), 574.9(15.4)
240.51 *10*	†30 *3*	^{229}U(58 m)	122.51(†100), 88.43(†88), 198.83(†88)
240.564 *17*	0.37 *3*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
240.593 *7*	1.38 *4*	^{131}La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
240.6		^{168}Hf(25.95 m)	183.8(†100), 157.2(†68), 324.1
240.6 *2*	0.72 *8*	^{221}Rn(25 m)	186.38(21.6), 150.04(4.5), 216.90(2.6)
• 240.6 *2*	0.0076 *22*	^{225}Ac(10.0 d)	99.91(1.01), 150.04(0.80), 99.63(0.62)
• 240.63 *8*	0.0038 *10*	^{171}Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
240.64 *8*	0.169 *15*	^{100}Sr(202 ms)	963.85(22.0), 898.50(18.9), 65.46(15.2)
• 240.64 *5*	1.54 *8*	^{147}Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
240.67 *11*	†100	^{110}Tc(0.92 s)	372.1(†17.0), 613.0(†16.0), 619.2(†14)
240.7 *2*	†1.6 *6*	^{171}Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
240.7 *1*	0.27 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
240.71 *4*	0.253 *7*	^{88}Kr(2.84 h)	2392.11(34.6), 196.301(25.98), 2195.842(13.18)
240.8 *2*	0.16 *7*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
240.8 *1*	†0.60 *6*	^{171}Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
240.8 *2*	0.157 *11*	^{199}Pb(90 m)	366.90(44.2), 353.39(9.5), 1135.04(7.8)
240.86 *2*	0.34 *7*	^{245}Am(2.05 h)	252.80(6), 295.72(0.22), 42.88(0.06)
• 240.86 *2*		^{245}Bk(4.94 d)	252.80(29.1), 380.8(2.40), 385.0(0.57)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 240.86 *2*	0.208 *8*	^{249}Cf(351 y)	388.16(66), 333.37(14.6), 252.80(2.50)
240.875 *3*	3.9 *3*	^{231}Ac(7.5 m)	282.471(39.0), 307.063(30.4), 221.399(16.8)
• 240.875 *3*	0.075 *6*	^{235}U(7.038×10^{8} y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
240.9 *2*	0.33 *11*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
240.9 *2*	12.1 *12*	^{191}Hg(50.8 m)	252.5(57), 420.1(18.6), 578.6(17.6)
240.9 *2*	†44 *9*	^{191}Hg(49 m)	252.5(†100), 196.3(†65), 224.7(†60)
240.9 *10*	>0.06	^{199}Pt(30.80 m)	542.993(15), 493.772(5.59), 317.056(4.95)
• 240.93 *1*	9.91 *10*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
240.97 *2*	5.72 *6*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
• 240.987 *6*	3.97 *4*	^{224}Ra(3.66 d)	292.70(0.0060), 645.50(0.0052), 422.04(0.0029)
240.987 *6*	†100	^{220}At(224 s)	292.70(†39), 422.04(†23), 645.50(†6)
241.0 *1*	6.0 *5*	^{126}Ba(100 m)	233.6(19.6), 257.6(7.6), 681.8(4.4)
241		^{191}Hg(50.8 m)	252.5(57), 420.1(18.6), 578.6(17.6)
241 *2*	0.9 *3*	^{196}Pb(37 m)	253.1(27.0), 502.1(26.5), 366.5(11.1)
• 241 *2*	†5×10^{04}	^{237}Pu(45.2 d)	280.40(†870000), 298.89(†7.85×10^{6}), 320.75(†6.48×10^{6})
• 241.0 *1*	11.0 *6*	^{257}Fm(100.5 d)	179.4(8.7), 61.6(1.45), 104.4(0.62)
241.02 *8*	0.174 *24*	^{201}Pb(9.33 h)	331.19(79), 361.27(9.9), 945.96(7.4)
241.1 *2*	2.5 *5*	^{103}Zr(1.3 s)	248(100), 164.05(94), 126.30(84)
241.1 *2*	†6.9 *6*	^{103}Nb(1.5 s)	102.64(†100), 641.1(†55), 538.5(†34.0)
241.1 *2*		^{146}Dy(29 s)	2156.8, 1915.7, 1876.7
241.1 *1*	0.84 *15*	^{202}Pb(3.53 h)	490.47(9.1), 459.72(8.6), 389.94(6.2)
241.17 *5*		^{173}W(7.5 m)	457.68(†100), 130.19(†31.5), 174.8(†29.1)
241.299 *10*	0.92 *5*	^{182}Os(22.10 h)	510.056(52), 180.230(33.5), 263.285(6.71)
241.3	27.0 *11*	^{35}Si(0.78 s)	4100.7(36.5), 3859.5(32.7), 2386.3(31.6)
241.3 *4*	7.2 *7*	^{73}Kr(27.0 s)	177.8(65.8), 62.5(19.1), 454.8(15)
241.305 *5*	10.9 *3*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 1434.45(7.96)
241.377 *15*	3.86 *7*	^{96}Nb(23.35 h)	778.224(96.45), 568.80(58.0), 459.88(26.62)
• 241.377 *15*	0.090 *20*	^{96}Tc(4.28 d)	778.224(100), 849.929(98), 812.581(82)
241.377 *15*	0.0075 *11*	^{96}Tc(51.5 m)	778.224(1.9), 1200.231(1.08), 480.705(0.311)
• 241.41 *4*	0.0258 *19*	^{171}Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
241.5 *2*	5.7 *9*	^{98}Y(2.0 s)	1223.0(80), 620.505(63), 647.58(53)
241.5 *2*	2.02 *22*	^{98}Y(0.548 s)	1223.0(36.0), 2941.3(16.7), 1590.9(14.7)
241.5	0.8 *4*	^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)
241.5 *4*	0.014	^{150}Pm(2.68 h)	333.971(68), 1324.51(17.5), 1165.739(15.8)
241.5 *2*	†65 *7*	^{155}Er(5.3 m)	110.12(†100), 234.0(†40.0), 512.2(†37)
• 241.50 *5*	0.228 *7*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
241.5 *5*	†0.5	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
241.50 *10*	0.069 *11*	^{195}Hg(9.9 h)	779.80(7), 61.46(6.2), 585.13(1.99)
241.55 *5*	6.3 *7*	^{157}Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
241.56 *5*	2.92 *12*	^{92}Sr(2.71 h)	1383.93(90), 953.31(3.52), 430.49(3.28)
241.59 *8*	1.21 *13*	^{75}Kr(4.3 m)	132.43(67), 154.66(20.8), 153.15(8.0)
241.6 *1*	0.95 *17*	^{129}Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
• 241.6 *4*	0.020 *9*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
241.6 *2*	†0.9 *3*	^{155}Tm(21.6 s)	226.8(†100), 531.7(†20), 88.1(†17)
• 241.653 *1*	1.44 *3*	^{148}Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
241.7 *2*	0.17 *5*	^{142}Gd(70.2 s)	750.2(11.2), 178.90(11.20), 284.4(6.16)
241.7	0.14	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
241.7 *3*	†74 *10*	^{157}Yb(38.6 s)	230.92(†100), 340.7(†90), 353.94(†57)
241.7 *2*	0.178 *20*	^{223}Ac(2.10 m)	98.58(0.891), 191.3(0.58), 83.55(0.57)
• 241.7 *2*	†1.97×10^{4}	^{227}Ac(21.773 y)	100(†110000), 69.21(†78000), 160.26(†70000)
241.75 *6*	1.0 *3*	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
• 241.78 *8*	0.060 *13*	^{119}Te(4.70 d)	153.59(66), 1212.73(66), 270.53(28.0)
241.8 *3*	2.83 *9*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
• 241.88 *4*	0.0180 *13*	^{103}Ru(39.26 d)	497.080(90.9), 610.33(5.75), 443.799(3.27)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 241.88 *4*	5.0×10^{-7} *5*	^{103}Pd(16.991 d)	39.757(0.07), 357.47(0.0221), 497.080(0.00396)
241.9 *2*	1.6	^{104}Zr(1.2 s)	100.9(6), 504.7(5), 445.0(5)
241.9	6	^{133}Pr(6.5 m)	134.3(14), 74.0(10), 315.6(10)
241.90 *30*	0.10 *3*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
241.9 *3*	1.02 *14*	^{176}Tm(1.9 m)	189.57(44.5), 1069.3(34), 381.8(21.8)
241.91 *5*	†22.4 *24*	^{229}U(58 m)	122.51(†100), 88.43(†88), 198.83(†88)
• 241.933 *30*	0.414 *8*	^{140}La(1.6781 d)	1596.210(95), 487.021(45.5), 815.772(23.28)
241.94 *5*	0.80 *15*	^{55}V(6.54 s)	517.71(73), 880.70(18.1), 921.10(4.6)
241.981 *8*	7.50 *10*	^{214}Pb(26.8 m)	351.921(35.8), 295.213(18.5), 53.226(1.11)
242.0 *7*	0.070 *23*	^{103}Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
242.0 *1*	0.031 *12*	^{133}Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
242.0 *2*	0.144 *20*	^{140}Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
242.00 *4*	0.21 *3*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
242.0 *2*	†4.1	^{256}Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
• 242.085 *20*	7.3×10^{-6} *5*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
• 242.10 *14*	0.00019 *3*	^{149}Pm(53.08 h)	285.95(3.1), 859.46(0.109), 590.88(0.069)
242.1 *1*	†1.6 *2*	^{225}Fr(4.0 m)	182.3(†100), 31.50(†91), 225.1(†55)
242.1 *2*	0.027	^{227}Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
242.12 *11*	6.0×10^{-5} *3*	^{135}La(19.5 h)	480.51(1.5), 874.51(0.164), 587.83(0.1108)
242.12 *5*	1.89 *20*	^{222}Fr(14.2 m)	206.15(51), 111.12(12.5), 317.8(0.8)
242.12 *5*	0.866 *40*	^{226}Th(30.9 m)	111.12(3.29), 131.02(0.278), 206.15(0.189)
242.15 *5*	4.3 *3*	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
242.19 *3*	9.9 *3*	^{90}Kr(32.32 s)	1118.69(39.0), 121.82(35.5), 539.49(30.8)
242.2 *11*	0.012 *8*	^{89}Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
242.2 *1*	1.5×10^{-6} *8*	^{129}Te(69.6 m)	27.81(16.3), 459.60(7.70), 487.39(1.42)
• 242.2 *1*	0.00066 *9*	^{129}Te(33.6 d)	695.88(2.988), 729.57(0.70), 556.65(0.118)
• 242.2 *1*	0.0090 *14*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
242.25 *5*	82	^{108}Tc(5.17 s)	465.6(14.3), 707.81(11.4), 1583.5(9.8)
242.281 *25*	1.7 *3*	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
• 242.29 *8*	0.00146 *24*	^{99}Mo(65.94 h)	739.50(12.1), 181.063(6.08), 140.511(4.52)
242.3 *3*	0.143 *14*	^{190}Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
242.35 *20*	†0.21 *2*	^{184}Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
242.4 *2*	†2	^{87}Nb(2.6 m)	200.95(†100), 470.63(†73), 1066.8(†37)
242.4 *3*	0.036 *9*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
242.4	†0.8 *2*	^{178}Ir(12 s)	266.1(†100.0), 131.6(†79), 363.1(†39.9)
242.4 *5*	76 *33*	^{184}Lu(20 s)	367.6(109), 481.9(65), 107.4(27)
• 242.4 *2*	0.094 *14*	^{229}Th(7340 y)	193.509(4.4), 210.853(2.8), 86.40(2.57)
242.45 *10*	0.093 *20*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
242.5 *3*	37	^{87}Se(5.85 s)	334.0(35), 573.2(19), 468.0(18)
• 242.5 *8*	0.0072 *9*	^{160}Tb(72.3 d)	879.383(30.01), 298.580(25.51), 966.171(25.21)
• 242.5	0.037 *12*	^{177}Lu(160.4 d)	208.3664(57.7), 228.4838(37.0), 378.5029(29.7)
242.5 *4*	0.084 *7*	^{233}Np(36.2 m)	312.17(0.7), 298.89(0.44), 546.9(0.280)
• 242.524 *22*	0.00084 *8*	^{231}Th(25.52 h)	25.646(14.5), 84.216(6.6), 89.944(0.94)
242.56 *5*	3.50 *6*	^{138}Xe(14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
242.6 *10*		^{77}Ga(13.2 s)	469.4(†100), 458.6(†48), 2187.3
242.6 *3*	0.023 *5*	^{113}Sb(6.67 m)	497.96(80), 332.41(14.8), 88.25(2.7)
242.6 *12*	0.35 *14*	^{186}Pt(2.0 h)	276.7(0), 611.5(6.0), 635.6(>3.8)
242.6		^{190}Hg(20.0 m)	142.6(68), 171.5(4.8), 154.7(2.5)
• 242.69 *4*	0.0210 *8*	^{134}Cs(2.062 y)	604.699(97.56), 795.845(85.44), 569.315(15.43)
242.7 *1*	2.9 *3*	^{117}Cs(8.4 s)	204.8(15.0), 29.7(9.9), 205.6(6.8)
242.7	0.092 *14*	^{141}Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
242.80 *10*	96	^{86}Zr(16.5 h)	29.10(21.6), 612.00(5.7), 135.6(0.47)
242.8 *6*	†2.7 *13*	^{142}Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
242.8 *2*	0.47 *7*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
242.8 *3*	0.10	^{170}Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
242.84 *9*	2.4 *3*	^{81}Ge(7.6 s)	335.98(58.9), 792.94(34), 1495.53(19.9)
242.84 *9*	0.5 *3*	^{81}Ge(7.6 s)	93.10(26), 335.98(12.8), 197.30(12.3)
242.84 *7*	41 *4*	^{108}In(58.0 m)	875.46(100), 632.96(100), 1032.85(35)
242.851 *19*	0.8 *3*	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
• 242.855 *1*	0.0156 *8*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
242.9 *2*	0.18 *4*	^{142}Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
242.9 *1*	0.13 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
242.90 *4*	0.16 *5*	^{207}Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
242.91 *3*	0.00163 *16*	^{145}Pr(5.984 h)	748.278(0.5250), 675.795(0.514), 72.500(0.261)
242.91 *6*	6.1 *14*	^{181}Os(105 m)	238.75(44), 826.77(20), 118.03(12.9)
• 242.917 *7*	35.5 *7*	^{165}Tm(30.06 h)	47.155(16.9), 297.369(12.71), 806.372(9.5)
243.0 *4*	0.169 *25*	^{105}In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
243.00 *15*	†6 *2*	^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
243.1 *4*	1.47 *5*	^{103}Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
243.1 *1*	†2.22 *22*	^{123}La(17 s)	92.5(†100), 937.3(†43), 153.6(†43)
243.10 *10*	0.92 *14*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
243.1 *4*	6.6 *13*	^{185}Au(4.25 m)	310.6(13), 77.7(6), 332.0(5.5)
243.1 *2*	†10	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
243.1 *10*	0.082 *17*	^{201}Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
243.10 *6*	0.49	^{227}Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
• 243.10 *6*	0.048 *3*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
243.11 *11*	†61 *9*	^{181}Pt(51 s)	289.29(†100), 111.97(†100), 230.15(†92)
243.12 *5*	10.6 *10*	^{124}In(2.4 s)	1131.64(100), 969.94(52), 1072.85(47)
• 243.127 *3*	0.22 *5*	^{169}Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
243.13 *14*	0.86 *14*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
243.2 *1*	†100	^{160}Lu(36.1 s)	395.4(†21.0), 577.2(†10.7), 1115.3(†6.8)
243.2	6.7 *8*	^{179}Pt(21.2 s)	171.7(16), 193.1(14.2), 99.8(13.2)
243.2 *3*	0.11 *3*	^{188}Hg(3.25 m)	66.7(63), 190.1(4.40), 82.7(2.6)
243.2 *1*	0.019 *9*	^{221}Rn(25 m)	186.38(21.6), 150.04(4.5), 216.90(2.6)
• 243.2 *1*	0.0013 *5*	^{225}Ac(10.0 d)	99.91(1.01), 150.04(0.80), 99.63(0.62)
• 243.28 *5*	5.60 *3*	^{151}Gd(124 d)	153.56(6.20), 174.70(2.96), 21.531(2.85)
243.3 *1*	†100 *6*	^{137}Te(2.49 s)	554.0(†34), 469.1(†21), 358.6(†18.8)
243.3 *3*	†4	^{223}Rn(23.2 m)	591.8(†100), 635.2(†76), 416.0(†55)
243.37 *6*	7.0 *10*	^{189}Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
243.378 *5*	30.1 *6*	^{125}Xe(16.9 h)	188.418(54), 54.968(6.81), 453.796(4.69)
• 243.383 *11*	2.53×10^{-5} *5*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
243.39 *5*	2.52 *13*	^{62}Zn(9.186 h)	596.56(26), 40.84(25.5), 548.35(15.3)
243.4 *3*	†5 *1*	^{148}Er(4.6 s)	1653.4(†100), 387.7(†88), 197.1(†71)
243.4 *1*	37	^{174}Re(2.40 m)	113.0(19.8), 1002.9(5.62), 349.5(4.8)
• 243.414 *4*	0.037 *5*	^{77}Br(57.036 h)	238.996(23), 520.639(22.4), 297.215(4.16)
243.46 *40*	0.092 *23*	^{79}Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
243.5 *3*	0.34 *5*	^{127}In(1.09 s)	1597.7(49), 646.1(6.2), 805.1(5.6)
243.5 *3*	†<0.15	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
243.5	0.7	^{147}Ce(56.4 s)	268.80(7), 92.9(4.7), 374.23(3.5)
• 243.5 *3*		^{229}Th(7340 y)	193.509(4.4), 210.853(2.8), 86.40(2.57)
243.5 *8*	$\dagger5.0\times10^{2}$ *10*	^{234}Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
243.55 *3*	0.29 *4*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
243.56 *10*	0.055 *16*	^{200}Pt(12.5 h)	76.21(13), 135.90(3.24), 243.71(2.49)
243.6 *3*	7.8	^{67}As(42.5 s)	122.7(19.2), 120.8(9.3), 808.1(6.2)
243.6 *6*	0.40 *9*	^{115}Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
243.6 *2*	†4.2	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
243.6 *2*	0.23 *3*	^{236}Pa(9.1 m)	642.35(37.0), 687.59(9.9), 1762.7(6.0)
243.7 *5*	0.22 *7*	^{98}Sr(0.653 s)	119.353(73), 444.628(39), 428.4(31)

Energy-ordered Decay γ-ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
243.70 *20*	0.39 *7*	^{99}Ag(124 s)	264.41(65), 832.29(13.5), 805.07(12.5)
243.7 *4*	0.31 *25*	^{102}Cd(5.5 m)	481.0(63), 1036.6(12.8), 505.1(9.6)
243.7 *3*	3.8 *3*	^{185}Ta(49.4 m)	177.59(25.7), 173.68(22.6), 65.86(3.9)
243.71 *3*	2.49 *16*	^{200}Pt(12.5 h)	76.21(13), 135.90(3.24), 59.97(2.30)
243.80 *8*	53 *3*	^{102}Sr(69 ms)	150.15(18.0), 93.89(13.4), 253.95(12.6)
243.8 *3*	7.0 *10*	^{122}In(10.8 s)	1140.55(100), 1001.58(98.4), 103.74(81)
243.8 *2*	0.041 *4*	^{192}Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
• 243.83 *4*	0.324 *10*	^{148}Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
243.855 *14*	0.75 *5*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
243.89 *8*	<71	^{30}Mg(335 ms)	443.62(71), 2168.9(2.1), 687.52(2.0)
243.90 *6*	8	^{103}Ag(65.7 m)	118.72(31.2), 148.193(28.3), 266.86(13.3)
243.9 *1*	†29 *3*	^{123}La(17 s)	92.5(†100), 937.3(†43), 153.6(†43)
243.9	0.09	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
243.91 *15*	†6.2 *15*	^{163}Lu(238 s)	163.08(†100), 54.00(†88), 396.34(†63)
244 *2*	1.1 *6*	^{76}Rb(39.1 s)	2571.3(47), 424.0(43.4), 355.6(8.2)
244.0 *1*	†1.1 *3*	^{103}Nb(1.5 s)	102.64(†100), 641.1(†55), 538.5(†34.0)
244.0 *3*	0.37 *22*	^{123}Cd(2.10 s)	371.32(51), 1052.28(24.8), 1438.13(8.3)
244.0 *1*	7.1 *4*	^{148}Er(4.6 s)	1311.8(8.9), 315.3(6.9), 609.5(5.8)
244.0 *8*	2.1 *8*	^{156}Sm(9.4 h)	87.4897(24), 203.818(20.6), 165.8452(12.7)
• 244		^{202}Pt(44 h)	228
244	0.039 *13*	^{211}Pb(36.1 m)	404.853(3.78), 832.01(3.52), 427.088(1.76)
244.03 *3*	0.679 *25*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
244.07 *13*	0.309 *9*	^{81}Rb(4.576 h)	190.38(64.0), 446.15(23.2), 510.31(5.3)
244.1 *2*	†3.1 *3*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
244.1 *2*	†7.6 *7*	^{148}Er(4.6 s)	1653.4(†100), 387.7(†88), 197.1(†71)
244.14 *9*	2.85 *9*	^{70}Se(41.1 m)	49.51(35.8), 426.15(29), 376.65(9.43)
244.20 *20*	0.23 *2*	^{88}Nb(7.8 m)	1057.01(89.3), 1082.53(53.9), 399.41(45.7)
244.2 *4*	0.42 *13*	^{154}Ho(11.76 m)	334.6(84), 412.4(15.0), 873.4(12.5)
244.2 *3*	0.018 *12*	^{178}Lu(28.4 m)	93.180(6.0), 1340.8(3.22), 1310.05(1.40)
244.2 *1*	†45 *4*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
244.2 *1*	†0.7 *2*	^{225}Fr(4.0 m)	182.3(†100), 31.50(†91), 225.1(†55)
244.249 *5*	4.30 *9*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
• 244.2648 *6*	8.50 *24*	^{183}Ta(5.1 d)	246.0591(27), 353.9912(11.2), 107.9322(11.0)
• 244.2648 *6*	0.408 *9*	^{183}Re(70.0 d)	162.3219(23.3), 46.4839(7.97), 291.7238(3.05)
244.3 *5*	0.090 *16*	^{63}Zn(38.47 m)	669.62(8), 962.06(6.5), 1412.08(0.75)
244.3 *2*	†16 *3*	^{148}Er(4.6 s)	1653.4(†100), 387.7(†88), 197.1(†71)
244.31 *4*	0.95 *10*	^{208}Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
244.38 *2*	0.97 *7*	^{191}Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
244.4 *5*	0.094 *4*	^{47}V(32.6 m)	1793.9(0.19), 159.369(0.107), 1390.4(0.0793)
244.4 *1*	0.049 *11*	^{228}Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
244.41 *6*	0.33 *6*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
244.42 *10*	13.3 *5*	^{92}Tc(4.23 m)	1509.48(101), 773.04(100), 329.71(79.9)
• 244.474 *5*	0.19 *4*	^{169}Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
244.49 *3*	3.5 *4*	^{184}Ta(8.7 h)	414.03(72), 252.848(43), 920.932(32.0)
244.5 *6*	0.52 *9*	^{129}Sb(4.40 h)	812.8(43), 914.6(20.0), 544.7(17.9)
244.52 *15*	0.18	^{154}Pm(1.73 m)	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
244.57 *8*	1.10 *11*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
244.59 *24*	†0.42	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
244.6		^{112}Ru(1.75 s)	327.0, 82.4
244.6 *4*	1.6 *5*	^{166}Hf(6.77 m)	78.76(41), 341.82(4.7), 407.91(4.5)
244.6 *1*	0.16 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
244.6 *12*	0.28 *14*	^{186}Pt(2.0 h)	276.7(0), 611.5(6.0), 635.6(>3.8)
• 244.6	0.0032 *8*	^{191}Pt(2.9 d)	538.90(13.7), 409.44(8.0), 359.90(6.0)
244.6989 *10*	0.51 *7*	^{152}Pm(4.1 m)	121.7824(15.7), 841.586(2.17), 961.06(1.92)

Energy-ordered Decay γ-ray Tables from the *Table of Isotopes*

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
244.6989 *10*		^{152}Pm(13.8 m)	229.9, 200.6, 63.51
244.6989 *10*	78 *4*	^{152}Pm(7.52 m)	121.7824(45), 340.48(31.3), 1097.1(28.7)
• 244.6989 *10*	7.49 *13*	^{152}Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
244.6989 *10*	0.0255 *6*	^{152}Eu(9.274 h)	841.586(14.6), 963.37(12.01), 121.7824(7.21)
244.70 *15*	†7	^{154}Nd(25.9 s)	151.703(†800), 799.55(†600), 180.693(†510)
• 244.7 *3*	0.009 *3*	^{156}Eu(15.19 d)	811.79(9.70), 88.9667(8.4), 1230.68(7.98)
244.724 *14*	1.82 *7*	^{204}Po(3.53 h)	883.984(29.9), 270.068(27.8), 1016.31(24.1)
244.75 *6*	0.160 *8*	^{121}I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
244.80 *8*	0.55 *4*	^{100}Y(735 ms)	212.531(73), 118.59(15.4), 665.98(7.7)
244.80 *21*	0.013 *3*	^{112}Ag(3.130 h)	617.27(43), 1387.67(5.4), 606.49(3.1)
244.8		^{112}In(14.97 m)	617.27(4.6), 606.49(1.111), 1253.43(0.218)
244.8 *2*	0.148 *25*	^{129}La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
244.82 *5*	0.0077 *5*	^{194}Ir(19.15 h)	328.455(13.1), 293.545(2.55), 645.157(1.17)
• 244.82 *5*	0.027 *4*	^{194}Au(38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
244.83 *10*	0.22 *4*	^{162}Yb(18.87 m)	163.35(40.0), 118.70(33.6), 576.10(3.24)
• 244.832 *17*	0.0239 *11*	^{147}Eu(24.1 d)	197.299(27), 121.220(22.9), 677.516(9.8)
244.85 *10*	†24 *2*	^{131}Ce(10.3 m)	169.42(†100), 414.25(†68), 119.18(†44)
244.9 *2*	0.006 *4*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
244.93 *10*	0.198 *13*	^{194}Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
• 244.93 *2*	5.1×10^{-6} *5*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
244.95 *15*	0.9 *3*	^{187}Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
245.0 *3*	0.037 *8*	^{116}In(54.41 m)	1293.54(84.4), 1097.3(56.2), 416.86(28.9)
245.06 *14*	0.6 *3*	^{187}Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
245.080 *2*	1.30 *11*	^{109}Rh(80 s)	326.868(54), 426.135(7.7), 178.034(7.6)
245.09 *3*	2.58 *18*	^{109}Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
• 245.09 *3*	3.5 *4*	^{189}Re(24.3 h)	216.663(5.50), 219.395(4.54), 185.85(1.89)
• 245.09 *3*	6	^{189}Ir(13.2 d)	69.537(3.5), 59.053(1.20), 36.202(0.67)
245.10 *4*	0.31 *5*	^{131}La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
245.1 *10*	>0.037	^{199}Tl(7.42 h)	455.46(12.4), 208.20597(12.3), 247.26(9.3)
• 245.129 *3*	0.0028 *15*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
245.15 *20*	†0.27 *2*	^{184}Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
245.154 *12*	46 *3*	^{200}Bi(36.4 m)	1026.5(100), 462.34(98), 419.70(91)
245.154 *12*	†5.6 *3*	^{200}Bi(31 m)	1026.5(†110), 462.34(†45.7), 419.70(†26.0)
245.2 *5*	†0.03 *1*	^{188}Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
• 245.2 *3*	0.010 *3*	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)
245.21 *15*	0.025 *5*	^{105}Ru(4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
245.24 *10*	0.7 *3*	^{77}Rb(3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
245.24 *4*	0.70 *5*	^{81}Sr(22.3 m)	153.54(33.8), 147.76(30.1), 443.34(17.5)
• 245.2400 *5*	0.410 *19*	^{183}Ta(5.1 d)	246.0591(27), 353.9912(11.2), 107.9322(11.0)
• 245.2400 *5*	0.245 *19*	^{183}Re(70.0 d)	162.3219(23.3), 46.4839(7.97), 291.7238(3.05)
245.3 *4*	0.063 *19*	^{83}Y(7.08 m)	35.50(0.44), 882.1(6.30), 489.90(5.53)
245.31 *1*	79 *4*	^{210}At(8.1 h)	1181.39(99.3), 1483.39(46.5), 1436.70(29.0)
245.345 *2*	†7.8 *14*	^{229}Ac(62.7 m)	164.522(†100), 569.1(†91), 261.92(†39)
• 245.345 *2*	0.00362 *3*	^{233}U(1.592×10^5 y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
245.37 *2*	0.75 *8*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
245.38 *46*	0.08 *3*	^{137}Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
245.39 *14*	0.051 *7*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
245.4 *1*	3.5 *3*	^{135}Nd(12.4 m)	204.02(52), 41.43(23), 441.2(14.9)
245.4 *3*	1.7 *3*	^{192}Hg(4.85 h)	274.8(50.4), 157.2(7), 306.5(5.4)
245.4 *7*	0.220 *22*	^{199}Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
245.408 *45*	0.08 *1*	^{158}Eu(45.9 m)	944.09(25), 977.131(13.6), 79.5104(11)
• 245.422 *6*	1.24 *7*	^{111}Ag(7.45 d)	342.118(7), 96.73(0.20), 620.3(0.019)
245.422 *6*	0.50 *3*	^{111}Ag(64.8 s)	620.3(0.121), 171.28(0.12), 752.7(0.043)
• 245.422 *6*	94	^{111}In(2.8049 d)	171.28(90), 150.824(0.0028)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
245.5 *6*	0.44 *18*	^{104}Tc(18.3 m)	358.0(89), 530.5(15.6), 535.1(14.7)
245.50 *10*	0.270 *17*	^{146}Ce(13.52 m)	316.74(56), 218.23(20.8), 264.56(9.0)
245.5	0.21 *10*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
245.5 *4*	†7	^{177}Os(2.8 m)	84.7(†100), 125.4(†63), 195.8(†61)
245.5 *3*	0.11 *4*	^{181}Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
245.588 *25*	0.60 *18*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
245.60 *5*	0.0210 *15*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 245.6 *1*	0.0078 *9*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
245.7 *3*	0.044 *11*	^{103}Tc(54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
245.7	>0.028	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
245.7 *4*	0.16 *4*	^{207}Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
245.71 *3*	5.36 *20*	^{66}Ge(2.26 h)	43.89(28.7), 381.85(28), 272.97(10.4)
245.72 *5*	0.80 *21*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
245.771 *4*	3.7	^{155}Sm(22.3 m)	104.3346(74.6), 141.4428(1.98), 30.5(0.56)
245.80 *8*	3.1 *14*	^{79}Sr(2.25 m)	39.41(28), 105.00(21.8), 413.8(7.6)
245.8	4.5 *5*	^{147}Cs(0.225 s)	85.2(7.3), 109.7(4.5), 596.0(4.3)
245.8 *10*	0.32 *5*	^{208}Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
• 245.83 *9*	0.0018 *4*	^{95}Tc(61 d)	204.117(63.25), 582.082(29.96), 835.149(26.63)
245.88 *4*	0.31 *12*	^{183}Os(9.9 h)	1101.94(49.0), 1107.92(22.36), 1034.85(6.02)
245.9 *4*	0.18 *4*	^{119}Cd(2.69 m)	292.9(36.8), 343.0(16.9), 1609.7(10.9)
245.9 *5*	†40 *4*	^{119}Cs(30.4 s)	169.3(†>100), 314.0(†47)
245.95 *8*	0.035 *9*	^{133}I(20.8 h)	529.872(87.0), 875.329(4.51), 1298.223(2.35)
245.99 *6*	0.027	^{227}Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
• 245.99 *6*	0.0110 *15*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
246.0 *2*	28	^{199}Po(5.48 m)	845.7(23), 206.7(5.1), 545.8(4.6)
246.0 *1*	5.06 *11*	^{225}Th(8.72 m)	321.4(23), 359.0(4.1), 305.9(4.1)
246 *3*	†0.42 *11*	^{228}U(9.1 m)	98.0(†1.8), 185.7(†0.32), 152(†0.21)
246.0 *3*		^{233}Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
• 246.05 *9*	0.0013 *5*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
• 246.0591 *5*	27 *4*	^{183}Ta(5.1 d)	353.9912(11.2), 107.9322(11.0), 161.3467(8.9)
• 246.0591 *5*	1.31 *4*	^{183}Re(70.0 d)	162.3219(23.3), 46.4839(7.97), 291.7238(3.05)
246.15 *15*	†8	^{197}Ir(5.8 m)	469.72(†100), 430.56(†61), 815.92(†45)
246.19 *11*	0.076 *12*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
• 246.19 *20*	†0.65 *24*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
246.2 *3*	2.12 *22*	^{118}Ag(2.0 s)	487.77(57), 677.13(53), 1058.39(14.8)
246.2 *2*	0.183 *18*	^{148}Pr(2.27 m)	301.702(61), 1357.78(5.5), 1023.18(4.8)
246.2 *2*	1.80 *25*	^{148}Pr(2.0 m)	301.702(95), 450.58(50), 697.61(40)
246.2 *3*	>0.10	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
246.278 *19*	0.119 *4*	^{187}W(23.72 h)	685.774(27.3), 479.531(21.8), 72.001(11.14)
246.29 *5*	0.60 *14*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
246.3 *2*	0.23 *3*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
• 246.3 *5*		^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
246.4 *8*	0.49 *20*	^{122}In(10.3 s)	1140.55(98), 1001.58(50.7), 1190.58(20.5)
246.44 *5*	0.047 *5*	^{130}I(12.36 h)	536.09(99), 668.54(96), 739.48(82)
246.45 *2*	0.37 *6*	^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
246.456 *1*	2.23 *10*	^{199}Pt(30.80 m)	542.993(15), 493.772(5.59), 317.056(4.95)
• 246.489 *16*	0.0225 *9*	^{160}Tb(72.3 d)	879.383(30.01), 298.580(25.51), 966.171(25.21)
246.5 *2*	0.008 *4*	^{157}Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
246.5 *5*	0.42 *11*	^{164}Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
246.53 *17*	0.9 *3*	^{168}Lu(6.7 m)	198.82(28), 979.22(20), 896.12(15)
246.6 *3*	0.68 *4*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
246.66 *6*	1.20 *12*	^{148}Ba(0.607 s)	56.08(29.20), 133.53(3.88), 415.78(3.59)
246.7 *3*	0.61 *6*	^{109}Sb(17.0 s)	925.4(32), 1062.8(23.9), 664.5(20.1)
246.7 *1*	†1.04 *9*	^{123}La(17 s)	92.5(†100), 937.3(†43), 153.6(†43)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
246.7 *3*	0.16 *7*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
• 246.73 *10*	†2.4×10^4 *3*	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^9), 33.195(†6000×10^8)
246.771 *10*	0.60 *4*	^{182}Os(22.10 h)	510.056(52), 180.230(33.5), 263.285(6.71)
246.8 *2*	0.12 *3*	^{173}Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
246.8 *2*	†1.19 *7*	^{192}Tl(9.6 m)	422.8(†100), 634.8(†75.9), 786.3(†31.7)
• 246.84 *4*	0.053 *3*	^{235}U(7.038×10^8 y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
246.87 *5*	42.3 *20*	^{132}Sn(39.7 s)	340.53(49), 85.58(48.2), 899.04(44.8)
246.88 *3*	0.142 *6*	^{145}Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
• 246.885 *12*	0.632 *9*	^{131}Ba(11.50 d)	496.326(47), 123.805(28.97), 216.078(19.66)
246.90 *5*	0.90 *14*	^{77}Zn(2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
246.90 *20*	0.56 *14*	^{102}Zr(2.9 s)	599.60(13.9), 535.30(10.6), 64.50(8.9)
246.9 *1*	†79 *4*	^{105}Nb(2.95 s)	94.8(†100), 309.9(†41.9), 137.9(†38.8)
246.90 *7*	0.186 *23*	^{132}Ce(3.51 h)	182.11(77), 155.37(10.5), 216.83(4.95)
246.92 *2*	0.487 *12*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
246.92 *6*	3.69 *19*	^{250}Es(8.6 h)	828.82(72), 303.41(21.6), 349.4(19.8)
246.96 *5*	1.90 *10*	^{62}Zn(9.186 h)	596.56(26), 40.84(25.5), 548.35(15.3)
247.0 *10*	0.18 *9*	^{115}Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
247.0 *3*	0.29 *5*	^{121}Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
247.0 *2*	†2.7 *11*	^{155}Tm(21.6 s)	226.8(†100), 531.7(†20), 88.1(†17)
247.0 *2*	†28 *5*	^{155}Tm(45 s)	88.1(†100), 323.2(†65), 507.0(†40)
247	20 *3*	^{227}U(1.1 m)	310(3.6), 259(3.0), 209(2.8)
247.01 *8*	0.114 *11*	^{228}Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
247.08 *11*	0.18	^{53}V(1.61 m)	1006.14(90), 1289.59(10), 283.14(0.8)
247.1 *3*	0.019 *9*	^{98}Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
247.1 *2*	†3.1 *4*	^{110}Tc(0.92 s)	240.67(†100), 372.1(†17.0), 613.0(†16.0)
247.1	4.1 *4*	^{145}Tb(29.5 s)	257.8(39), 987.8(37), 537.0(23)
247.1 *3*	15 *10*	^{148}Tm(0.7 s)	646.6(100), 877.4(72), 1002.9(55)
247.1 *1*	0.45 *5*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
• 247.155 *6*	0.575 *25*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
247.158 *15*	0.0012	^{162}Tb(7.60 m)	260.070(37.2), 807.53(42.8), 888.20(38.7)
247.158 *15*	0.06 *3*	^{162}Ho(67.0 m)	185.005(28.6), 1220.0(22.5), 282.864(11.3)
247.2 *1*	0.18 *3*	^{142}Gd(70.2 s)	750.2(11.2), 178.90(11.20), 284.4(6.16)
247.2 *7*	0.012	^{161}Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
• 247.2 *3*	0.056 *19*	^{169}Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
• 247.26 *7*	0.018 *5*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
247.26 *3*	9.3 *5*	^{199}Tl(7.42 h)	455.46(12.4), 208.20597(12.3), 158.37947(4.96)
247.30 *5*	1.29 *8*	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
• 247.351 *5*	0.194 *3*	^{71}As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
247.4 *1*	†2.1 *6*	^{171}Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
247.4 *3*	†>0.27	^{230}Ra(93 m)	72.0(†100), 63.0(†35.4), 202.8(†27.3)
247.4 *4*	†7.2 *19*	^{233}Pu(20.9 m)	235.4(†100), 534.8(†90.2), 500.3(†38.6)
247.4 *2*	†2	^{256}Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
247.42 *14*	1.25 *10*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
• 247.444 *21*	5.0 *3*	^{182}Re(64.0 h)	229.3220(26), 67.75001(22.2), 1121.3007(22.0)
247.48 *2*	0.75 *5*	^{191}Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
247.49 *5*	0.70 *6*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
247.5 *4*	0.44 *6*	^{70}Se(41.1 m)	49.51(35.8), 426.15(29), 376.65(9.43)
247.5 *5*	†100 *1*	^{117}Pd(4.3 s)	649.9(†41), 323.9(†37), 625.9(†28)
247.5 *3*	0.029 *9*	^{135}I(6.57 h)	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
247.5 *5*		^{144}Gd(4.5 m)	333.3(†100), 2432.6(†94.8), 629.5(†32.4)
247.5 *2*	0.5	^{145}Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)
247.5	0.17 *3*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
247.50 *5*	2.8 *4*	^{157}Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
247.5		^{171}Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
247.52 *9*	0.94 *10*	^{148}Ce(56 s)	269.519(17.0), 291.724(16.7), 121.169(13.2)
247.53 *10*	2.7	^{115}Pd(25 s)	342.71(8), 303.87(7), 396.56(6)
247.53 *3*	2.6 *3*	^{125}Cd(0.57 s)	1027.53(25.8), 1173.16(25.1), 736.65(12.6)
247.586 *3*	0.39 *8*	^{231}Ac(7.5 m)	282.471(39.0), 307.063(30.4), 221.399(16.8)
247.6 *1*	0.85 *13*	^{119}Ag(2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
247.6 *1*	†10.7 *5*	^{152}Pr(3.24 s)	164.2(†100), 284.9(†81.0), 72.40(†38.9)
247.6 *1*	1.67 *9*	^{188}Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
247.6	†2.2	^{198}Bi(693 s)	1063.5(†100), 197.6(†80), 562.4(†79)
247.6 *4*	0.040 *5*	^{233}Np(36.2 m)	312.17(0.7), 298.89(0.44), 546.9(0.280)
247.66 *8*	3.7 *4*	^{187}Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
247.7 *3*	†40 *5*	^{116}Xe(56 s)	104.5(†100), 310.7(†42), 191.6(†38)
247.70 *20*	0.8 *3*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
247.70 *20*	>0.32	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
247.75 *15*	0.71	^{154}Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
• 247.766 *15*	0.035 *7*	^{169}Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
247.77 *2*	1.55 *8*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
247.79 *7*	0.00037 *3*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
247.79 *7*	†244 *19*	^{234}Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
• 247.79 *7*	0.109 *7*	^{234}Np(4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
247.8 *3*	0.71 *6*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
247.82 *5*	†58 *5*	^{229}U(58 m)	122.51(†100), 88.43(†88), 198.83(†88)
247.84 *7*	3.43 *22*	^{63}Ga(32.4 s)	637.04(11), 627.10(10.3), 192.94(5.7)
247.9 *2*	0.77 *16*	^{141}Sm(22.6 m)	196.88(74), 431.6(40.4), 777.6(20.3)
• 247.91 *8*	0.029 *5*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
247.92 *10*	75	^{128}Cd(0.34 s)	857.05(71), 68.02(29), 925.0(9)
• 247.925 *6*	6.95 *3*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
247.925 *6*	22.1 *20*	^{154}Tb(9.4 h)	123.071(30), 540.18(20), 649.564(10.9)
247.925 *6*	1.7 *9*	^{154}Tb(21.5 h)	123.071(26), 1274.436(10.5), 2187.10(9.9)
247.925 *6*	79 *9*	^{154}Tb(22.7 h)	346.643(69), 1419.81(46), 123.071(43)
247.96 *5*	0.0708 *25*	^{123}I(13.27 h)	158.97(83), 528.96(1.39), 440.02(0.428)
248.0 *3*	1.5	^{67}As(42.5 s)	122.7(19.2), 120.8(9.3), 243.6(7.8)
248		^{82}Zr(32 s)	525, 397, 278
248	100 *15*	^{103}Zr(1.3 s)	164.05(94), 126.30(84), 120.00(68)
248.0 *1*	0.21 *10*	^{135}Nd(12.4 m)	204.02(52), 41.43(23), 441.2(14.9)
248	†8.6	^{175}Os(1.4 m)	125.0(†100), 181(†10.8), 170.1(†6.2)
248 *1*	1.67 *9*	^{188}Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
248	0.008	^{210}Rn(2.4 h)	458.25(1.7), 648.70(0.843), 570.95(0.840)
248.08 *10*	0.23 *4*	^{158}Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
248.17 *9*	0.14 *3*	^{205}Po(1.66 h)	872.39(37), 1001.21(28.8), 849.83(25.5)
248.2 *3*	†5.0 *15*	^{159}Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
• 248.2 *3*	0.121 *21*	^{190}Ir(11.78 d)	186.718(52.4), 605.24(39.9), 518.55(34.0)
248.29 *8*	0.028 *3*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
248.30 *3*	0.260 *14*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
248.4		^{168}Hf(25.95 m)	183.8(†100), 157.2(†68), 324.1
248.4 *4*	5.0 *5*	^{183}Lu(58 s)	1125.3(25.0), 1056.8(16.5), 168.1(7.5)
• 248.48 *5*	0.0019 *12*	^{205}Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
248.5 *3*		^{118}Ag(2.0 s)	487.77(57), 677.13(53), 1058.39(14.8)
248.5 *2*	†2.6 *6*	^{152}Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
248.5 *4*	0.10 *3*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
248.5 *5*		^{202}At(0.46 s)	
• 248.5 *5*	0.059 *3*	^{233}Pa(26.967 d)	312.17(38.6), 300.34(6.62), 340.81(4.47)
248.5 *5*	0.00073 *6*	^{233}Np(36.2 m)	312.17(0.7), 298.89(0.44), 546.9(0.280)
248.51 *13*	†39 *3*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
248.53 *7*	4.84 *25*	^{166}Lu(2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)

Energy-ordered Decay γ-ray Tables from the *Table of Isotopes*

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
248.58 *1*	42000 *3*	^{158}Er(2.29 h)	71.91(†23300), 386.84(†111000), 45.5(†35800)
248.6 *3*		^{122}Ba(1.95 m)	550.7, 388.7, 231.0
248.6 *4*	0.08 *4*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
• 248.6 *1*	0.0050 *25*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
248.64 *10*	0.75 *8*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
248.645 *22*	0.107 *5*	^{155}Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
• 248.7	0.4	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
248.7	†6.8 *16*	^{229}Ac(62.7 m)	164.522(†100), 569.1(†91), 261.92(†39)
248.7 *2*	0.59 *6*	^{237}Am(73.0 m)	280.23(47.3), 438.4(8.3), 473.5(4.3)
248.726 *6*	†2.5 *6*	^{229}Ac(62.7 m)	164.522(†100), 569.1(†91), 261.92(†39)
• 248.726 *6*	0.00143 *21*	^{233}U(1.592×10^5 y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
248.8 *4*	0.4 *3*	^{105}In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
248.8 *1*	0.8 *3*	^{141}Tb(3.5 s)	293.3(16.8), 343.6(16.3), 198.4(14.8)
248.8	0.11	^{185}Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
248.8	0.07 *3*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
248.84 *5*	†4.0 *2*	^{82}Ge(4.60 s)	1091.90(†100), 843.24(†9.3), 951.8(†1.7)
• 248.882 *6*	7.2×10^{-6} *7*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
248.9 *5*	0.033 *11*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
248.91 *4*	3.07 *18*	^{202}Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
248.95 *2*	1.33 *3*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
• 248.95 *10*	0.0050 *14*	^{237}Np(2.14×10^6 y)	29.374(15.0), 86.477(12.4), 94.66(0.6)
• 248.962 *7*	0.799 *21*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
• 248.962 *7*	>0.8	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
• 249.00 *15*	†5×10^{03}	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^9), 33.195(†6000×10^8)
• 249 *2*	0.025 *4*	^{254}Es(275.7 d)	63.0(2.0), 316(0.15), 304(0.07)
249.029 *4*	0.94 *5*	^{147}Pr(13.4 m)	77.9921(15), 314.675(13.2), 641.380(10.0)
• 249.03 *3*	0.0029 *4*	^{99}Mo(65.94 h)	739.50(12.1), 181.063(6.08), 140.511(4.52)
249.03 *4*	2.14 *16*	^{204}Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
249.06 *17*	†4.6 *7*	^{181}Pt(51 s)	289.29(†100), 111.97(†100), 230.15(†92)
249.1 *3*	4.4 *4*	^{69}Ni(11.4 s)	1871.1(40.9), 679.7(39.7), 1213.0(39.3)
249.1 *1*	0.33 *4*	^{73}Br(3.4 m)	64.9(37.0), 336.0(10.4), 699.8(9.1)
249.10 *20*	†5.6 *7*	^{106}Mo(8.4 s)	465.70(†100), 54.00(†54), 618.60(†25)
249.1 *1*	†18 *2*	^{135}Pm(49 s)	198.5(†100), 207.2(†70), 463.5(†62)
• 249.15 *10*	0.395 *21*	^{147}Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
249.2 *1*	1.44 *22*	^{109}Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
249.2 *2*	0.8	^{145}Ho(2.4 s)	339.8(15), 312.9(14.3), 334.1(13.5)
249.2	0.8	^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)
• 249.2 *4*	0.022 *6*	^{156}Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
249.22 *1*	2.5 *3*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
249.238 *11*	5.8 *3*	^{109}Rh(80 s)	326.868(54), 426.135(7.7), 178.034(7.6)
249.29 *3*	0.37 *3*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
249.3	3.6	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
249.3 *4*	>0.11	^{209}Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
249.3 *1*	0.063 *16*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
249.32 *3*	1.36 *12*	^{90}Kr(32.32 s)	1118.69(39.0), 121.82(35.5), 539.49(30.8)
249.33 *12*	0.068 *9*	^{197}Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
• 249.4 *3*	9.4×10^{-5} *23*	^{75}Se(119.779 d)	264.6584(58.50), 136.0008(58.3), 279.5441(24.79)
249.4 *10*	0.023 *14*	^{105}Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
249.4 *2*	0.14 *3*	^{117}Cs(8.4 s)	204.8(15.0), 29.7(9.9), 205.6(6.8)
• 249.4 *3*	0.038 *10*	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)
249.41 *6*	0.047 *19*	^{105}Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
• 249.432 *8*	2.813 *23*	^{131}Ba(11.50 d)	496.326(47), 123.805(28.97), 216.078(19.66)
249.49 *5*	0.087 *6*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
249.5 *5*	†28.7 *29*	^{88}Se(1.52 s)	159.2(†100), 259.2(†82), 1903.7(†64)
249.5 *2*	1.01 *24*	^{117}Ag(5.34 s)	135.4(48), 386.8(39.9), 298.1(21.1)
249.5 *2*	†1	^{139}I(2.29 s)	527.7(†100), 571.2(†98), 536.6(†67)
• 249.5 *2*	0.012 *5*	^{225}Ac(10.0 d)	99.91(1.01), 150.04(0.80), 99.63(0.62)
• 249.508 *25*	1.95 *12*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
249.52 *11*	0.291 *12*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
249.52 *15*	1.01	^{154}Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
249.563 *2*	1.4 *3*	^{151}Pr(18.90 s)	880.19(13), 189.057(11.8), 484.501(11.3)
• 249.57 *4*	0.00078 *8*	^{231}Th(25.52 h)	25.646(14.5), 84.216(6.6), 89.944(0.94)
249.6 *1*	1.60 *9*	^{207}Po(5.80 h)	992.33(59.3), 742.64(28.2), 911.79(16.95)
• 249.6 *5*	†0.49	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
• 249.6741 *10*	0.212 *11*	^{177}Lu(6.734 d)	208.3664(11.0), 112.9498(6.4), 321.3162(0.219)
• 249.6741 *10*	6.14 *18*	^{177}Lu(160.4 d)	208.3664(57.7), 228.4838(37.0), 378.5029(29.7)
• 249.6741 *10*	0.031 *3*	^{177}Ta(56.56 h)	112.9498(7.2), 208.3664(0.94), 1057.8(0.29)
249.7 *2*	0.6 *1*	^{128}Sb(9.01 h)	753.82(100), 743.22(100), 314.12(61)
• 249.7 *10*	0.020 *3*	^{240}Am(50.8 h)	987.76(73.2), 888.80(25.1), 98.860(1.5)
249.770 *4*	90	^{135}Xe(9.14 h)	608.151(2.90), 408.009(0.359), 158.260(0.290)
• 249.786 *3*	0.394 *16*	^{77}As(38.83 h)	238.996(1.6), 520.639(0.558), 87.8671(0.202)
• 249.786 *3*	2.98 *7*	^{77}Br(57.036 h)	238.996(23), 520.639(22.4), 297.215(4.16)
249.8 *2*	9.3 *8*	^{105}Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
249.8 *1*	0.053 *6*	^{145}Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
249.8 *4*	†1.1 *5*	^{198}Tl(1.87 h)	636.4(†202), 411.8044(†202), 587.2(†185)
249.81 *12*	0.278 *17*	^{192}Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
• 249.83 *4*	0.142 *14*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
249.83 *10*	0.21 *3*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
249.89 *18*	0.0116 *25*	^{139}Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
249.9	68 *3*	^{36}Si(0.45 s)	175.0(68), 878.2(44), 424.9(32)
249.9 *4*	1.1	^{113}Ag(68.7 s)	316.3(18), 392.3(11), 298.58(10)
249.94 *10*	0.0205 *11*	^{85}Br(2.90 m)	802.41(2.56), 924.63(1.63), 919.06(0.65)
• 249.95 *20*	0.0038 *11*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
250.00 *5*	0.178 *22*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
250.0		^{180}Os(21.5 m)	20.1(†100), 717.4, 667.0
250.03 *13*	9.6 *5*	^{167}Dy(6.20 m)	569.7(48), 259.33(27.9), 310.26(25.0)
250.1 *4*	0.12 *6*	^{109}Sn(18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
250.1	0.5	^{147}Ce(56.4 s)	268.80(7), 92.9(4.7), 374.23(3.5)
250.1 *2*	21.8 *10*	^{152}Nd(11.4 m)	278.5(32), 16.0(8.0), 294.6(3.8)
• 250.17 *10*	0.030 *4*	^{194}Au(38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
250.20 *5*	1.16 *19*	^{157}Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
250.2 *1*	0.74 *8*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
250.2 *5*		^{167}Ho(3.1 h)	346.547(56), 321.336(23.5), 237.873(5.0)
• 250.2 *5*	0.0022 *5*	^{167}Tm(9.25 d)	207.801(41), 57.0723(4.6), 531.54(1.6)
250.2	>0.013	^{197}Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
250.2 *1*	6.0 *3*	^{211}Rn(14.6 h)	674.1(45), 1362.9(32.5), 678.4(28.9)
250.3 *3*		^{122}Ba(1.95 m)	550.7, 388.7, 231.0
250.3 *2*	†39 *4*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
250.31 *21*	0.084 *21*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
250.332	46.3 *16*	^{39}Cl(55.6 m)	1267.185(54), 1517.508(39.2), 1091.058(2.42)
250.35 *3*	0.21 *4*	^{210}At(8.1 h)	1181.39(99.3), 245.31(79), 1483.39(46.5)
250.35 *5*	0.0204 *9*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
250.35 *5*	0.0204 *12*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 250.35 *5*	†5.7 *16*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
• 250.35 *5*	†23 *3*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
250.4 *1*	0.067 *5*	^{143}Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
• 250.43 *4*	0.00065 *7*	^{231}Th(25.52 h)	25.646(14.5), 84.216(6.6), 89.944(0.94)

Energy-ordered Decay γ-ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
250.5 *2*	†22.3 *8*	^{111}Ru(2.12 s)	303.8(†100), 211.7(†77.7), 382.0(†41.3)
250.5 *2*	†2.0 *5*	^{129}Sb(17.7 m)	759.8(†100.0), 657.78(†92), 433.76(†73)
250.5 *3*	0.0047	^{233}Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
• 250.5 *3*		^{237}Np(2.14×10^6 y)	29.374(15.0), 86.477(12.4), 94.66(0.6)
250.6 *2*	1.0	^{104}Zr(1.2 s)	100.9(6), 504.7(5), 445.0(5)
250.62 *5*	0.383 *12*	^{129}Te(69.6 m)	27.81(16.3), 459.60(7.70), 487.39(1.42)
• 250.62 *5*	0.00039 *8*	^{129}Te(33.6 d)	695.88(2.988), 729.57(0.70), 556.65(0.118)
250.68 *9*	†32.0 *22*	^{142}Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
250.69 *11*	0.66 *9*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
250.7 *2*	4.5 *4*	^{192}Pb(3.5 m)	1195.4(47), 608.2(17.9), 167.5(13.6)
250.71 *5*	0.038 *13*	^{127}Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
250.78 *5*	2.10 *15*	^{123}Ag(0.309 s)	263.87(35.9), 409.79(13.2), 591.30(8.2)
250.8 *6*	0.018 *5*	^{132}I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
250.826 *31*	0.034 *3*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
• 250.83 *8*	0.009 *5*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
250.881 *8*	6.7 *7*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
250.89 *6*	2.53 *11*	^{146}Ce(13.52 m)	316.74(56), 218.23(20.8), 264.56(9.0)
250.9 *1*	0.67 *20*	^{159}Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
250.9 *10*	0.17 *3*	^{201}Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
250.977 *4*	0.14	^{182}Hf(61.5 m)	942.80(18.8), 799.64(9.4), 114.3152(6.2)
251.0 *5*	0.51 *4*	^{99}Rh(4.7 h)	340.71(70), 617.8(12.0), 1261.2(11)
251.0 *2*	2.7	^{118}Pd(1.9 s)	125.4(34), 125.4(34), 224.2(20.1)
251.05 *4*	5.02 *12*	^{208}Rn(24.35 m)	426.78(7.07), 350.026(3.34), 287.160(2.85)
251.1 *4*	2.6 *5*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 251.1 *3*	0.041 *14*	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)
251.18 *9*	†1.9 *4*	^{103}Nb(1.5 s)	102.64(†100), 641.1(†55), 538.5(†34.0)
251.2 *1*	19.6 *5*	^{146}Ba(2.22 s)	140.7(20.2), 121.2(14.2), 197.0(12.6)
• 251.2 *5*		^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
251.2	0.13	^{164}Tm(5.1 m)	208.08(14.6), 314.97(10), 240.49(7.5)
251.2	†100 *28*	^{182}Hg(10.83 s)	170.1(†100)
251.2 *4*	†1.3	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
251.2 *3*	†8 *1*	^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
251.23 *12*	0.98 *10*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
251.24 *8*	0.98 *11*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
251.3 *2*	†1.2	^{101}Y(448 ms)	98.3(†100), 133.8(†18.8), 232.1(†11.9)
251.3 *3*	3.04 *16*	^{150}Pr(6.19 s)	130.2(32), 722.5(7.0), 852.7(6.1)
251.3 *10*	†7	^{238}Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
251.38 *13*	0.28 *6*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
251.4 *3*	0.031 *12*	^{133}Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
251.4	0.13	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
251.4 *5*	0.26 *15*	^{193}Au(17.65 h)	186.17(10.1), 255.57(6.7), 268.22(3.9)
251.46 *4*	2.24 *15*	^{132}Ce(3.51 h)	182.11(77), 155.37(10.5), 216.83(4.95)
• 251.46 *15*	0.033 *6*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
251.46 *22*	0.064 *11*	^{200}Pt(12.5 h)	76.21(13), 135.90(3.24), 243.71(2.49)
251.47 *7*	†13.7 *9*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
251.47 *7*	0.86 *3*	^{240}Np(7.22 m)	554.60(20.9), 597.40(11.7), 1496.9(1.33)
• 251.47 *7*	0.005 *2*	^{240}Am(50.8 h)	987.76(73.2), 888.80(25.1), 98.860(1.5)
• 251.47 *7*	9.8×10^{-6} *15*	^{244}Cm(18.10 y)	42.824(.0044100), 98.860(.0001470), 152.63(<4.9×10^{-7})
• 251.474 *17*	0.084 *5*	^{175}Yb(4.185 d)	396.329(6.40), 282.522(3.01), 113.805(1.88)
251.5 *10*	0.19 *6*	^{120}In(3.08 s)	1171.3(19), 2039.8(1.86), 703.8(1.42)
251.5 *5*	†3.3×10^2 *14*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
251.5 *1*	55 *6*	^{186}Hg(1.38 m)	112.1(63), 191.6(3.7), 227.7(3.0)
251.5 *1*	†8.8 *4*	^{230}Ra(93 m)	72.0(†100), 63.0(†35.4), 202.8(†27.3)
• 251.5 *1*	<0.04	^{235}U(7.038×10^8 y)	185.712(57.2), 143.764(10.96), 163.358(5.08)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
251.50 *10*	0.0027 *5*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
• 251.510 *37*	0.0109 *12*	^{149}Eu(93.1 d)	327.526(4.03), 277.089(3.56), 22.510(2.32)
251.51 *6*	1.24 *18*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
251.596 *25*	0.18 *3*	^{150}Pm(2.68 h)	333.971(68), 1324.51(17.5), 1165.739(15.8)
• 251.596 *25*	0.173 *9*	^{150}Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
251.6	†31	^{101}Rb(32 ms)	271.2(†100), 1091.8(†25), 1362.9(†14)
251.6 *2*	0.022 *7*	^{137}Pr(1.28 h)	836.7(1.8), 433.9(1.28), 514.0(1.08)
251.6 *2*	0.55 *10*	^{184}Au(53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
251.61 *5*	1.79 *19*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
251.628 *10*	0.066 *17*	^{152}Pm(4.1 m)	121.7824(15.7), 841.586(2.17), 961.06(1.92)
• 251.628 *10*	0.0626 *21*	^{152}Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
• 251.63 *3*	0.217 *16*	^{193}Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
251.70 *10*		^{131}Sn(56.0 s)	3267.5, 2470.5, 2039.25
251.70 *10*		^{131}Sn(58.4 s)	367.40, 285.0, 62.9
251.70 *10*	†4.6 *8*	^{131}Sn(56.0 s)	1226.03(†100), 450.03(†90), 798.50(†86)
251.7 *2*	†30.6 *20*	^{202}Po(44.7 m)	688.6(†1000), 316.0(†286), 165.7(†174)
251.70	0.151 *16*	^{204}Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
251.73 *5*	0.0180 *9*	^{165}Dy(1.257 m)	515.467(1.53), 361.68(0.534), 153.803(0.242)
251.75 *20*	0.045 *10*	^{126}In(1.60 s)	1141.11(55.9), 3344.61(21.6), 969.61(14.9)
251.75 *20*	0.22 *5*	^{126}In(1.64 s)	1141.11(100), 908.58(99), 111.79(88)
• 251.75 *10*	0.0470 *22*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
251.8 *2*	0.086 *9*	^{123}Cs(5.94 m)	97.3(23), 596.7(10.1), 83.3(4.1)
• 251.8 *1*	0.067 *8*	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)
251.82 *20*	1.8 *9*	^{181}Lu(3.5 m)	652.5(22.0), 205.94(16.1), 574.9(15.4)
251.86 *5*	0.39 *5*	^{183}Os(9.9 h)	1101.94(49.0), 1107.92(22.36), 1034.85(6.02)
251.863 *10*	26.3 *9*	^{151}Tb(17.609 h)	287.357(28.3), 108.088(24.3), 587.46(15.6)
251.9		^{165}Dy(1.257 m)	515.467(1.53), 361.68(0.534), 153.803(0.242)
251.9 *1*	0.063 *16*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
251.96 *34*	0.12 *3*	^{137}Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
• 251.961 *5*	0.28 *4*	^{200}Tl(26.1 h)	367.943(87), 1205.717(29.9), 579.298(13.8)
251.99 *25*	0.042 *13*	^{189}Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
252.0 *2*	6.2 *8*	^{76}Kr(14.8 h)	315.7(39), 270.2(21.1), 45.48(19.5)
252 *1*	†100	^{101}In(16 s)	750.3(†61), 420.7(†54), 891.4(†48)
• 252.0 *10*	9.0×10^{-5} *7*	^{115}Cd(53.46 h)	336.240(45.9), 527.900(27.45), 492.3(8.03)
252.00 *10*	0.43 *9*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
252	>0.00019	^{161}Ho(2.48 h)	25.65150(27), 103.062(3.9), 77.414(1.91)
252.0 *3*	†2.7 *3*	^{164}Hf(111 s)	122.1(†100), 153.3(†47), 313.7(†22)
252.0 *15*	†0.36	^{256}Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
252.05 *13*	0.371 *16*	^{86}Y(14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
252.067 *20*	5.8 *6*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
252.1 *3*	3.0 *3*	^{70}As(52.6 m)	1039.20(81), 1114.1(21.8), 668.3(21.8)
252.1 *3*	2.56 *19*	^{113}Rh(2.72 s)	189.7(17.0), 409.3(15.9), 219.6(3.88)
252.1 *3*	†1.10 *11*	^{182}Ir(15 m)	273.23(†100), 126.79(†77), 236.3(†21.0)
252.12 *18*	1.06 *9*	^{97}Rh(46.2 m)	189.21(49), 2245.6(14), 421.55(12.7)
252.17 *16*	0.98 *24*	^{181}Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
252.17 *20*	0.48 *5*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
• 252.2 *1*	>0.08	^{147}Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
252.2	†1.5 *3*	^{178}Ir(12 s)	266.1(†100.0), 131.6(†79), 363.1(†39.9)
252.2 *2*	†24 *3*	^{229}Ac(62.7 m)	164.522(†100), 569.1(†91), 261.92(†39)
252.2 *2*	0.27 *7*	^{237}Am(73.0 m)	280.23(47.3), 438.4(8.3), 473.5(4.3)
252.2	0.15 *5*	^{237}Am(73.0 m)	280.23(47.3), 438.4(8.3), 473.5(4.3)
• 252.219 *7*	0.270 *6*	^{149}Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
252.23 *4*	0.148 *15*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
252.3 *3*	0.10 *5*	^{127}In(1.09 s)	1597.7(49), 646.1(6.2), 805.1(5.6)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
252.3 *3*	38 *4*	^{127}In(3.66 s)	3074(2.85), 948.4(2.73), 832.8(1.98)
252.3 *4*		^{132}La(24.3 m)	464.55(22), 663.07(11.6), 285.6(7)
252.3 *1*	0.088 *18*	^{149}Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
252.3 *5*	0.34 *9*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
252.3 *2*	0.044 *22*	^{157}Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
252.3 *3*	3.3	^{159}Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
252.3 *6*	0.10	^{203}Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
• 252.350 *6*	0.096 *17*	^{200}Tl(26.1 h)	367.943(87), 1205.717(29.9), 579.298(13.8)
252.35 *12*	0.79 *6*	^{208}At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
• 252.4 *3*	8.5 *3*	^{127}Sb(3.85 d)	685.7(37), 473.0(25.7), 783.7(15.0)
252.4 *5*	0.062 *14*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
252.4 *7*		^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
252.4	†3.8	^{224}Ac(2.9 h)	156.4(†100), 140.8(†55), 261.6(†28)
• 252.43 *3*	0.095 *12*	^{229}Th(7340 y)	193.509(4.4), 210.853(2.8), 86.40(2.57)
252.44 *12*	0.28 *8*	^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
252.45 *5*	1.38 *8*	^{109}Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
252.45 *7*	1.67 *11*	^{148}La(1.05 s)	158.468(55.6), 989.85(9.3), 760.30(8.6)
• 252.5		^{57}Ni(35.60 h)	1377.63(81.7), 127.164(16.7), 1919.52(12.26)
252.5 *4*	5.9 *7*	^{72}Kr(17.2 s)	415.1(34.7), 310.0(28.5), 162.2(16.3)
252.50 *10*	1.55 *14*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
252.5 *2*	†1.6 *2*	^{182}Au(21 s)	154.76(†100), 264.33(†40.0), 855.41(†14.5)
252.5 *5*	†2.7 *6*	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
252.5 *2*	57 *6*	^{191}Hg(50.8 m)	420.1(18.6), 578.6(17.6), 274.2(13)
252.5 *2*	†100 *27*	^{191}Hg(49 m)	196.3(†65), 224.7(†60), 240.9(†44)
252.51 *6*	19.5 *10*	^{93}Kr(1.286 s)	253.42(41.2), 323.89(24.1), 266.83(20.6)
• 252.53 *11*	3.4×10^{-5} *5*	^{233}U(1.592×10^{5} y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
• 252.54 *7*	†3.7×10^{3} *5*	^{134}Ce(75.9 h)	162.306(†230000), 130.414(†209000), 39.08(†>150000)
• 252.60 *3*	0.134 *4*	^{148}Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
252.6 *2*	1.8 *3*	^{158}Yb(1.49 m)	74.1(54), 160.3(1.13), 147.7(0.92)
• 252.6 *3*	†6.3 *19*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
252.61 *10*	0.69 *4*	^{208}Tl(3.053 m)	2614.533(99), 583.191(84.5), 510.77(22.6)
252.65 *20*	0.127 *14*	^{190}Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
252.68 *3*	0.488 *24*	^{161}Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
252.69 *17*	†8.0 *16*	^{187}Hg(1.9 m)	233.38(†100), 376.34(†38), 240.26(†33)
252.70 *5*	0.117 *11*	^{107}Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
252.7 *2*	13	^{121}Xe(40.1 m)	132.8(10.9), 445.2(7.7), 310.5(5.4)
252.7 *3*	†<0.15	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
252.7 *3*	0.28 *5*	^{136}Nd(50.65 m)	108.90(32), 40.2(18.9), 574.8(10.4)
• 252.7 *5*		^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
252.70 *5*	1.8 *3*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
252.7 *1*	†7.4 *7*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
252.7 *2*	†1.3	^{256}Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
252.76 *4*	4.9 *14*	^{184}Ta(8.7 h)	414.03(72), 252.848(43), 920.932(32.0)
252.8 *3*	0.27 *5*	^{129}In(0.61 s)	2118.0(45), 1865.0(32), 769.3(9.1)
252.8 *8*	0.63 *14*	^{186}Pt(2.0 h)	276.7(0), 611.5(6.0), 635.6(>3.8)
252.80 *2*	6	^{245}Am(2.05 h)	240.86(0.34), 295.72(0.22), 42.88(0.06)
• 252.80 *2*	29.1 *19*	^{245}Bk(4.94 d)	380.8(2.40), 385.0(0.57), 103.1(0.39)
• 252.80 *2*	2.50 *8*	^{249}Cf(351 y)	388.16(66), 333.37(14.6), 266.62(0.69)
252.83 *7*	0.14	^{137}I(24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
252.848 *5*	43 *3*	^{184}Ta(8.7 h)	414.03(72), 920.932(32.0), 111.208(23.7)
• 252.848 *5*	3.02 *25*	^{184}Re(38.0 d)	903.279(37.9), 792.071(37.5), 111.208(17.1)
• 252.848 *5*	10.7 *3*	^{184}Re(169 d)	216.548(9.43), 920.932(8.14), 161.269(6.49)
252.9 *3*	0.050 *12*	^{140}Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
252.9 *5*	0.019 *16*	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
252.9 *3*	0.012	^{233}Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
252.92 *7*	0.28 *3*	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
252.963 *8*	13.7 *4*	^{159}Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
253.0 *1*	†100	^{75}Ga(126 s)	574.8(†31.6), 885.6(†11.1), 177.0(†10.7)
253.0 *1*	0.59 *4*	^{94}Rb(2.702 s)	1309.1(87), 836.9(87.10), 1577.5(31.8)
253.0 *5*	2.1 *5*	^{98}Rb(96 ms)	144.224(73), 289.4(68), 3010.5(23.4)
253.0 *5*		^{127}Ce(32 s)	58.4(7.3), 177.0, 114.8
253.00 *10*	†7.1 *15*	^{163}Lu(238 s)	163.08(†100), 54.00(†88), 396.34(†63)
253	†0.2	^{181}Os(2.7 m)	144.99(†100), 118.03(†28.3), 1118.8(†4.2)
253 *1*	0.0030 *10*	^{214}Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
253.01 *15*	†8.6 *14*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
253.05 *8*	0.060 *9*	^{187}Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
• 253.068 *4*	0.611 *4*	^{95}Tc(61 d)	204.117(63.25), 582.082(29.96), 835.149(26.63)
253.07 *4*	†26.0 *26*	^{155}Nd(8.9 s)	180.574(†100), 418.99(†75), 955.08(†50)
253.1 *2*	3.4 *23*	^{98}Y(2.0 s)	1223.0(80), 620.505(63), 647.58(53)
253.10 *5*	0.10 *3*	^{119}I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
253.1 *3*	4.8	^{124}Ba(11.9 m)	169.3(20), 1216(12), 188.98(10)
253.1 *5*	†3 *1*	^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
253.1 *5*	27.0 *22*	^{196}Pb(37 m)	502.1(26.5), 366.5(11.1), 191.7(11.1)
• 253.17 *2*	0.850 *15*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
253.2 *3*	0.099 *9*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
253.2 *1*	†343 *10*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
253.2 *5*	†4.7 *9*	^{195}Pb(15 m)	883.1(†100), 393.7(†42), 871.0(†36)
253.30 *20*	†57	^{106}Sn(115 s)	386.8(†100), 477.5(†62), 1190.0(†33)
253.3 *2*	6.2 *13*	^{140}Gd(15.8 s)	174.8(76), 749.9(70), 379.0(38)
253.3	0.7	^{147}Ce(56.4 s)	268.80(7), 92.9(4.7), 374.23(3.5)
253.3 *7*	0.198 *22*	^{199}Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
253.36 *13*	1.9 *3*	^{75}Rb(19.0 s)	178.98(<63), 178.97(>51), 187.21(8.7)
253.4 *1*	0.21 *3*	^{100}Zr(7.1 s)	504.25(31), 400.48(19.2), 498.0(0.72)
253.4 *2*	6	^{115}Rh(0.99 s)	127.9(64.6), 125.6(33.3), 296.5(17)
253.4 *2*	†80	^{147}Dy(40 s)	365.1(†100), 1388.0(†60), 100.7(†60)
253.4 *2*		^{151}Ho(35.2 s)	100.7
253.4 *2*		^{151}Ho(47.2 s)	100.7
253.4 *1*	7.0 *3*	^{149}Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
253.4 *3*	†15 *5*	^{159}Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
253.4 *1*	0.35 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
253.4 *1*	†1.9 *3*	^{225}Fr(4.0 m)	182.3(†100), 31.50(†91), 225.1(†55)
253.42 *5*	41.2 *22*	^{93}Kr(1.286 s)	323.89(24.1), 266.83(20.6), 252.51(19.5)
253.420 *30*	0.145 *9*	^{105}Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
253.43 *7*	†16.2 *15*	^{165}Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
253.45 *13*	0.32 *3*	^{67}Ge(18.9 m)	167.01(84), 1472.48(4.9), 910.92(3.1)
253.45 *5*	4.4 *4*	^{124}In(2.4 s)	1131.64(100), 969.94(52), 1072.85(47)
• 253.45 *5*	0.064 *14*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
253.50 *7*	3.64 *20*	^{99}Nb(2.6 m)	97.785(7), 2641.3(3.64), 2851.5(3.05)
253.5 *5*	†0.13 *2*	^{188}Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
253.54 *5*	0.57 *5*	^{221}Rn(25 m)	186.38(21.6), 150.04(4.5), 216.90(2.6)
• 253.54 *5*	0.123 *5*	^{225}Ac(10.0 d)	99.91(1.01), 150.04(0.80), 99.63(0.62)
• 253.56 *10*	0.0030 *12*	^{194}Au(38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
253.6 *3*	0.0025 *10*	^{230}Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
• 253.6 *3*	0.022 *8*	^{230}Pa(17.4 d)	951.95(1.65), 918.48(8.2), 454.95(6.27)
253.67 *15*		^{189}Au(28.7 m)	713.17(†100), 812.68(†63), 447.65(†55)
253.68 *1*	1.30 *14*	^{118}In(8.5 s)	1229.68(1.4), 1050.69(1.37), 41.0(0.25)
253.68 *1*	99 *6*	^{118}Sb(5.00 h)	1229.68(100), 1050.69(97), 41.0(30.0)
253.69 *6*	0.119 *12*	^{122}Xe(20.1 h)	350.065(7.80), 148.612(2.62), 416.633(1.87)

Energy-ordered Decay γ-ray Tables from the *Table of Isotopes*

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
253.70 *7*	2.356 *24*	^{73}Se(39.8 m)	67.03(2.59), 84.0(2.03), 393.43(1.626)
253.7 *2*	†18.6 *19*	^{105}Nb(2.95 s)	94.8(†100), 246.9(†79), 309.9(†41.9)
253.7 *1*	0.53 *4*	^{142}Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
253.7 *2*	†1.30 *13*	^{171}Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
253.73 *1*	22.3 *15*	^{226}Fr(48 s)	186.05(16.3), 253.9(2.5), 1322.5(2.18)
• 253.73 *1*	5.7 *4*	^{226}Ac(29 h)	186.05(4.8), 67.67(0.11)
• 253.73 *1*	0.0111 *5*	^{230}Th(7.538×10^4 y)	67.67(0.376), 143.87(0.0486), 186.05(0.0088)
253.8 *1*	8.0 *4*	^{129}La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
253.8 *2*	0.33 *7*	^{153}Ho(2.0 m)	295.8(67), 637.0(5.36), 688.5(3.7)
253.8 *3*	0.53 *4*	^{188}Hg(3.25 m)	66.7(63), 190.1(4.40), 82.7(2.6)
253.8 *3*	0.4	^{207}Hg(2.9 m)	351.059(77), 997.1(69), 1637.1(30)
253.821 *9*	0.59 *3*	^{204}Po(3.53 h)	883.984(29.9), 270.068(27.8), 1016.31(24.1)
253.9 *5*	1.4 *3*	^{75}Zn(10.2 s)	228.67(28.9), 432.29(20.2), 155.94(17.2)
253.9 *2*		^{130}Pr(40.0 s)	951.9, 499.0, 1405
253.9 *2*		^{131}Nd(27 s)	
253.9 *2*	0.00038 *6*	^{163}Er(75.0 m)	1113.5(0.0490), 436.1(0.0285), 439.94(0.0276)
253.9 *1*	†100	^{172}Re(15 s)	350.5(†55), 123.2(†45), 419.3(†10)
253.9 *1*	†74	^{172}Re(55 s)	123.2(†100), 743.0(†19), 350.5(†>3.7)
253.9 *1*	2.5 *7*	^{226}Fr(48 s)	253.73(22.3), 186.05(16.3), 1322.5(2.18)
• 253.9 *1*	0.00085 *9*	^{230}Th(7.538×10^4 y)	67.67(0.376), 143.87(0.0486), 253.73(0.0111)
253.91 *13*	0.12	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
253.94 *2*	2.53 *17*	^{191}Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
253.95 *15*	12.6 *8*	^{102}Sr(69 ms)	243.80(53), 150.15(18.0), 93.89(13.4)
254 *2*	0.9 *5*	^{76}Rb(39.1 s)	2571.3(47), 424.0(43.4), 355.6(8.2)
254.0 *2*	0.24 *7*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
254.05 *14*	0.019 *9*	^{98}Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
• 254.09 *4*	0.0095 *5*	^{147}Eu(24.1 d)	197.299(27), 121.220(22.9), 677.516(9.8)
254.1 *6*	>0.11	^{141}Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
254.1	>0.28	^{152}Ho(49.5 s)	647.2(92), 613.8(88.4), 683.3(88)
254.17 *14*	1.14 *7*	^{97}Zr(16.91 h)	743.36(93), 507.64(5.03), 1147.97(2.61)
254.2 *3*	1.8	^{221}Rn(25 m)	264.68(0.94)
254.228 *22*	0.085 *3*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
254.259 *17*	8.58 *22*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
• 254.26 *3*	0.169 *16*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
254.3 *3*		^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
254.3 *4*	1.9 *4*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
254.39 *2*	2.415 *25*	^{143}Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
• 254.39 *24*	0.056 *16*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
254.4 *2*	0.18 *6*	^{101}Zr(2.1 s)	119.3(10.8), 205.6(6.0), 912.2(3.48)
• 254.4 *1*	0.010 *8*	^{124}Sb(60.20 d)	602.730(97.8), 1690.980(47.3), 722.786(10.76)
254.4	0.21 *4*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
254.4 *4*	†3.0 *6*	^{172}W(6.6 m)	38.9(†100), 423.3(†44), 89.8(†33.0)
254.4 *2*	0.035 *9*	^{173}Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
254.4 *2*	0.84 *12*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
254.4 *2*	13.3 *13*	^{185}Ir(14.4 h)	1828.8(10), 60.0(5.7), 97.4(4.2)
254.4 *3*	†2.9	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
254.4 *3*	0.069 *20*	^{223}Ac(2.10 m)	98.58(0.891), 191.3(0.58), 83.55(0.57)
• 254.418 *3*	0.110 *6*	^{239}Np(2.3565 d)	106.125(27.2), 277.599(14.38), 228.183(10.76)
254.418 *3*	0.084 *6*	^{239}Am(11.9 h)	277.599(15.0), 228.183(11.3), 209.753(3.50)
• 254.418 *3*	0.110 *10*	^{243}Cm(29.1 y)	277.599(14.0), 228.183(10.6), 209.753(3.29)
254.43 *17*	1.778 *23*	^{77}Rb(3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
254.43 *8*	9.8 *4*	^{159}Sm(11.37 s)	189.79(46), 861.97(18.2), 797.2(6.1)
254.46 *14*	0.218 *10*	^{95}Ru(1.643 h)	336.43(70.2), 1096.76(21.0), 626.77(17.8)
254.5 *3*	0.59 *9*	^{77}Rb(3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
254.5 *5*	0.29 *10*	^{208}At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
• 254.566 *23*	0.0053 *3*	^{149}Pm(53.08 h)	285.95(3.1), 859.46(0.109), 590.88(0.069)
• 254.566 *23*	0.636 *12*	^{149}Eu(93.1 d)	327.526(4.03), 277.089(3.56), 22.510(2.32)
254.6 *1*	1.20 *14*	^{139}Nd(5.50 h)	113.94(40), 737.96(35), 982.2(26.4)
254.61 *20*	0.22	^{113}Pd(93 s)	95.74(3.3), 643.7(3.0), 739.63(2.4)
254.68 *9*	0.0063 *9*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 254.68 *9*	†49 *33*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
254.7		^{131}La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
254.7 *2*	†0.5 *1*	^{136}Pm(107 s)	373.8(†100), 602.7(†38.4), 857.2(†23.4)
254.7 *2*	0.21 *6*	^{167}Ho(3.1 h)	346.547(56), 321.336(23.5), 237.873(5.0)
254.74 *15*	0.211 *6*	^{77}Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
254.74 *13*	0.023 *9*	^{135}I(6.57 h)	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
254.74 *7*	1.25 *19*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
254.76 *4*	4.72 *23*	^{83}Zr(44 s)	55.55(8), 104.97(5.70), 475.1(5.1)
254.794 *15*	†1.18 *7*	^{153}Pm(5.4 m)	35.842(†100), 127.298(†75), 28.309(†34.6)
254.83 *5*	0.70 *7*	^{93}Kr(1.286 s)	253.42(41.2), 323.89(24.1), 266.83(20.6)
254.88 *12*	0.066 *10*	^{105}Ru(4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
254.89 *11*	†4.0 *7*	^{165}Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
254.90 *30*	7	^{116}Ag(10.4 s)	513.39(92), 705.82(61), 1028.90(30.4)
254.9 *2*	0.32 *7*	^{129}La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
254.9 *2*	†100 *10*	^{136}Eu(3.3 s)	431.4(†34), 458.0(†20), 778.0(†17)
254.9 *2*	1.0	^{145}Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)
254.94 *5*	0.59 *6*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
255.0 *1*	0.053 *7*	^{165}Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
255.0 *4*	0.33 *7*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 255	0.2	^{251}Cf(898 y)	176.6(17.7), 227.0(6.3), 285.0(1.4)
255.0 *2*	0.11 *3*	^{249}Es(102.2 m)	379.5(40.4), 813.2(9.2), 375.1(3.3)
255.04 *8*	0.62 *9*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
• 255.06 *5*	1.82 *6*	^{113}Sn(115.09 d)	391.690(64), 638.03(0.00095), 382.6(>0.000060)
255.1 *2*	0.237 *20*	^{132}I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
255.1 *3*	>0.020	^{132}I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
255.1 *6*	0.009 *5*	^{141}Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
255.10 *15*	†51 *5*	^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
255.1 *4*	0.05 *3*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
255.11 *2*	0.236 *7*	^{139}Pr(4.41 h)	1347.33(0.47), 1630.67(0.343), 1375.56(0.154)
255.13 *14*	†8.9 *18*	^{187}Hg(1.9 m)	233.38(†100), 376.34(†38), 240.26(†33)
255.16 *3*	1.56 *7*	^{81}Sr(22.3 m)	153.54(33.8), 147.76(30.1), 443.34(17.5)
255.19 *10*	0.49 *4*	^{190}Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
255.2 *3*	0.17 *5*	^{101}Zr(2.1 s)	119.3(10.8), 205.6(6.0), 912.2(3.48)
255.2	†19 *1*	^{148}Er(4.6 s)	1653.4(†100), 387.7(†88), 197.1(†71)
255.2 *3*	†14 *4*	^{153}Nd(28.9 s)	418.3(†100), 105.4(†36), 475.2(†33)
• 255.20 *12*	0.0043 *9*	^{166}Ho(1.20×10^3 y)	184.410(72.6), 810.276(58.08), 711.683(55.32)
255.2 *2*	1.02 *14*	^{176}Tm(1.9 m)	189.57(44.5), 1069.3(34), 381.8(21.8)
255.2 *3*	†1.5	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
• 255.23 *15*	0.052 *7*	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)
255.24 *5*	0.82 *7*	^{141}Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
255.25 *10*	0.0027	^{239}U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
255.3 *4*	0.12 *4*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
255.300 *12*	20.5 *5*	^{142}Ba(10.6 m)	1204.3(14.23), 895.2(13.9), 231.611(12.12)
255.3		^{190}Hg(20.0 m)	142.6(68), 171.5(4.8), 154.7(2.5)
255.3 *2*	†3.0	^{256}Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
• 255.35 *13*	0.0223 *14*	^{148}Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
• 255.370 *15*	8.0×10^{-5} *1*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
255.39 *5*	0.039 *14*	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 255.4 *5*	0.025 *7*	^{69}Ge(39.05 h)	1107.01(36), 574.17(13.3), 872.14(11.9)
255.4 *3*	0.0117 *20*	^{110}In(69.1 m)	657.7622(98), 2129.53(2.13), 2211.49(1.76)
255.4 *3*	†0.47 *7*	^{111}Rh(11 s)	275.4(†100.0), 411.8(†9.42), 230.0(†8.9)
255.4 *3*	0.38 *3*	^{152}Tb(4.2 m)	344.281(20.8), 411.115(18.8), 471.9(12.2)
255.4 *1*	9.1 *15*	^{194}Tl(32.8 m)	636.5(99), 428.0(99), 748.9(76)
• 255.44 *7*	0.405 *15*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
255.44 *6*	0.0053 *6*	^{166}Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
• 255.45 *3*	0.026 *3*	^{249}Cf(351 y)	388.16(66), 333.37(14.6), 252.80(2.50)
255.5 *1*	0.012 *4*	^{199}Tl(7.42 h)	455.46(12.4), 208.20597(12.3), 247.26(9.3)
255.5 *1*	0.099 *5*	^{210}Rn(2.4 h)	458.25(1.7), 648.70(0.843), 570.95(0.840)
255.53 *10*		^{115}Pd(25 s)	342.71(8), 303.87(7), 396.56(6)
• 255.54 *3*	0.230 *17*	^{246}Pu(10.84 d)	43.81(25.0), 223.75(23.5), 179.94(9.7)
255.57 *4*	6.7 *6*	^{193}Au(17.65 h)	186.17(10.1), 268.22(3.9), 173.52(2.9)
255.6 *2*	0.18	^{140}Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
• 255.6 *5*	0.005 *3*	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)
255.6 *2*	0.0040 *3*	^{240}U(14.1 h)	44.10(1.05), 189.7(0.24), 66.5(0.154)
255.68 *1*	16.4 *3*	^{151}Nd(12.44 m)	116.80(43.4), 1180.89(14.8), 138.89(7.84)
255.7 *3*	†7.2 *15*	^{109}Tc(0.87 s)	194.6(†100), 128.7(†51), 96.2(†48)
255.7 *2*	†1.4 *4*	^{230}Ra(93 m)	72.0(†100), 63.0(†35.4), 202.8(†27.3)
255.741 *30*	0.85 *9*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
• 255.75 *16*	0.0020 *3*	^{147}Eu(24.1 d)	197.299(27), 121.220(22.9), 677.516(9.8)
255.77 *5*	0.18	^{227}Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
• 255.77 *5*	0.112 *5*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
• 255.8 *5*		^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
255.86 *8*	1.83 *6*	^{70}Se(41.1 m)	49.51(35.8), 426.15(29), 376.65(9.43)
255.87 *9*	0.38 *3*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
255.87 *8*	†119 *9*	^{200}Au(18.7 h)	497.77(†123), 367.943(†123), 579.298(†121)
255.92 *5*	0.039 *14*	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
255.94 *2*	0.495 *20*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
• 255.94 *4*	3.9×10^{-5} *6*	^{233}U(1.592×10^{5} y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
256.0 *2*	0.098 *20*	^{95}Rb(377.5 ms)	352.02(49), 204.02(15.1), 680.7(14.8)
256.0 *1*	2.7 *3*	^{135}Nd(12.4 m)	204.02(52), 41.43(23), 441.2(14.9)
256.0 *2*	†>0.07	^{160}Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
256.0 *2*	>0.034	^{160}Ho(25.6 m)	728.18(46.9), 879.383(26.6), 962.317(25.6)
256	0.08 *4*	^{175}Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
256.0 *4*	1.40 *21*	^{186}Pt(2.0 h)	276.7(0), 611.5(6.0), 635.6(>3.8)
256.0 *2*	0.35 *9*	^{221}Rn(25 m)	186.38(21.6), 150.04(4.5), 216.90(2.6)
• 256.0 *2*	0.00033 *11*	^{225}Ac(10.0 d)	99.91(1.01), 150.04(0.80), 99.63(0.62)
256.0 *5*	0.042 *3*	^{233}Np(36.2 m)	312.17(0.7), 298.89(0.44), 546.9(0.280)
256.10 *7*		^{126}La(54 s)	625, 460, 340
256.1 *4*	0.07	^{154}Pm(1.73 m)	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
256.1 *4*	0.006	^{154}Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
256.1 *5*	†4.5 *12*	^{189}Au(28.7 m)	713.17(†100), 812.68(†63), 447.65(†55)
• 256.19 *10*	0.0066 *17*	^{189}Re(24.3 h)	216.663(5.50), 219.395(4.54), 245.09(3.5)
256.2 *1*	0.70 *8*	^{121}Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
256.2	†11 *2*	^{210}Fr(3.18 m)	643.8(†100), 817.6(†60), 203.1(†35)
256.24 *25*	†49 *8*	^{161}Lu(77 s)	110.78(†100), 100.32(†95), 43.7(†70)
256.25 *2*	0.0225 *12*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 256.25 *2*	†463 *24*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 329.851(†178)
• 256.3	>0.006	^{184}Re(38.0 d)	903.279(37.9), 792.071(37.5), 111.208(17.1)
256.3 *4*	>0.11	^{209}Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
256.4 *4*	0.074 *25*	^{86}Y(14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
256.4 *2*	15.9 *16*	^{151}Er(23.5 s)	638.3(36), 667.2(17), 100.3(10.7)
• 256.45 *3*	9.5 *8*	^{182}Re(64.0 h)	229.3220(26), 67.75001(22.2), 1121.3007(22.0)

Energy-ordered Decay γ-ray Tables from the *Table of Isotopes*

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
256.5 *2*	1.63 *19*	^{151}Ho(35.2 s)	527.4(63), 775.53(9.2), 209.5(5.69)
256.50 *10*	0.037 *6*	^{158}Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
256.5 *8*	0.067 *19*	^{164}Tm(5.1 m)	208.08(14.6), 314.97(10), 240.49(7.5)
256.53 *8*	4.4 *4*	^{206}At(30.0 m)	700.66(98), 477.10(86), 395.54(48)
256.57 *6*	0.0228 *15*	^{133}La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
256.6 *3*	0.17 *3*	^{81}Ga(1.221 s)	216.47(37.4), 828.26(22.1), 711.18(17.6)
256.6 *3*	†63	^{119}Pd(0.92 s)	129.9(†100), 326.1(†52), 69.9(†12)
256.6 *2*	0.5 *1*	^{129}Sn(2.23 m)	645.13(100), 80.5(6.6), 913.2(5.0)
256.6 *2*	0.051 *20*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
• 256.60 *4*	0.0225 *14*	^{171}Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
256.60 *2*	0.090 *24*	^{178}Lu(28.4 m)	93.180(6.0), 1340.8(3.22), 1310.05(1.40)
256.60 *2*	0.0034 *7*	^{178}Ta(9.31 m)	93.180(1.78), 1350.68(1.18), 1340.8(1.027)
256.63 *4*	0.442 *22*	^{100}Sr(202 ms)	963.85(22.0), 898.50(18.9), 65.46(15.2)
256.68 *9*	0.24 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
256.69 *5*	2.8 *4*	^{123}Cd(2.10 s)	371.32(51), 1052.28(24.8), 1438.13(8.3)
256.70 *17*	0.8 *3*	^{148}Ba(0.607 s)	56.08(29.20), 133.53(3.88), 415.78(3.59)
256.7 *3*	0.07 *3*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
256.8 *4*	0.02 *2*	^{102}Tc(5.28 s)	475.070(7), 468.59(0.88), 865.5(0.87)
• 256.8 *4*	†0.021 *10*	^{102}Rh(207 d)	475.070(†47), 628.05(†4.6), 1103.16(†2.99)
256.84 *4*	†13.5 *14*	^{224}Rn(107 m)	260.581(†100), 265.806(†93), 202.21(†21.9)
• 256.89 *7*	0.0217 *20*	^{145}Eu(5.93 d)	893.73(66), 653.512(15.0), 1658.53(14.9)
256.894 *10*	98 *3*	^{50}Ca(13.9 s)	1519.30(62.0), 71.552(52), 1590.85(37.8)
256.9 *1*	1.25 *15*	^{117}Xe(61 s)	28.5(7.0), 221.3(10.0), 32.3(7.6)
256.9 *1*	†65 *3*	^{148}Er(4.6 s)	1653.4(†100), 387.7(†88), 197.1(†71)
• 256.9 *1*	0.00087 *9*	^{177}Ta(56.56 h)	112.9498(7.2), 208.3664(0.94), 1057.8(0.29)
256.9 *4*	0.09 *5*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
256.93 *13*	98	^{152}Dy(2.38 h)	
256.99 *22*	0.0010 *4*	^{152}Eu(9.274 h)	841.586(14.6), 963.37(12.01), 121.7824(7.21)
257.087 *9*	3.43 *7*	^{131}La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
257.09 *9*	0.33 *6*	^{148}La(1.05 s)	158.468(55.6), 989.85(9.3), 760.30(8.6)
• 257.09 *20*	0.0064 *14*	^{237}Np(2.14×10^6 y)	29.374(15.0), 86.477(12.4), 94.66(0.6)
257.1 *3*	0.13	^{113}Pd(93 s)	95.74(3.3), 643.7(3.0), 739.63(2.4)
257.1 *2*	1.55 *18*	^{190}Tl(3.7 m)	416.4(91), 625.4(82), 731.1(37)
257.17 *10*	4.4 *3*	^{128}In(0.72 s)	831.54(100), 1168.80(100), 120.54(11.1)
257.17 *2*	4.46 *13*	^{200}Pb(21.5 h)	147.63(37.7), 235.63(4.30), 268.38(3.96)
257.2 *1*	0.042 *5*	^{107}Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
257.2 *2*	†3.4 *11*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
257.2 *4*	0.13 *7*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
257.2 *1*	0.052 *21*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
257.3	†1.0	^{144}Gd(4.5 m)	333.3(†100), 2432.6(†94.8), 629.5(†32.4)
257.30 *15*	0.068	^{233}Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
257.30		^{233}Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
• 257.30 *15*		^{237}Np(2.14×10^6 y)	29.374(15.0), 86.477(12.4), 94.66(0.6)
• 257.31 *5*		^{206}Bi(6.243 d)	803.10(99), 881.01(66.2), 516.18(40.7)
257.34 *4*	78 *3*	^{90}Mo(5.67 h)	122.370(64.2), 203.13(6.4), 323.20(6.3)
257.36 *10*	0.0032 *10*	^{166}Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
257.38 *8*	0.079 *16*	^{204}Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
257.4 *3*	†1.10 *11*	^{171}Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
257.46 *23*	†3.4 *7*	^{187}Hg(1.9 m)	233.38(†100), 376.34(†38), 240.26(†33)
257.5 *1*	0.14 *3*	^{142}Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
257.5 *1*	0.137 *5*	^{143}Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
257.5 *3*	52 *20*	^{148}Tm(0.7 s)	646.6(100), 877.4(72), 1002.9(55)
257.50 *20*	0.33 *9*	^{157}Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
257.51 *15*	0.0015 *4*	^{123}I(13.27 h)	158.97(83), 528.96(1.39), 440.02(0.428)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
257.52 *4*	87	^{119}I(19.1 m)	635.86(2.69), 320.53(2.17), 557.24(1.77)
257.52 *10*	0.031 *3*	^{228}Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
257.52 *10*	0.113 *13*	^{228}Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
257.6 *1*	7.6 *4*	^{126}Ba(100 m)	233.6(19.6), 241.0(6.0), 681.8(4.4)
257.6 *1*	†26	^{180}Au(8.1 s)	153.3(†100), 524.3(†29), 861.3(†22.6)
257.7 *1*	0.08 *2*	^{107}Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
257.7 *3*	0.11	^{170}Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
• 257.77 *11*	0.00034 *3*	^{149}Pm(53.08 h)	285.95(3.1), 859.46(0.109), 590.88(0.069)
257.8	39 *4*	^{145}Tb(29.5 s)	987.8(37), 537.0(23), 1446.8(15)
257.8 *2*	2.3 *1*	^{196}Os(34.9 m)	407.9(5.9), 126.2(5.3), 315.4(2.5)
257.82 *4*	0.44 *6*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
257.82 *10*	†23 *3*	^{157}Yb(38.6 s)	230.92(†100), 340.7(†90), 241.7(†74)
257.88 *5*	†2.38×10^{3} *24*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
257.9 *4*	1.02 *15*	^{113}Rh(2.72 s)	189.7(17.0), 409.3(15.9), 219.6(3.88)
257.9 *10*	17.4 *16*	^{119}Cs(43.0 s)	176.05(29.7), 225.13(26), 259.4(7)
257.9 *4*	1.4 *8*	^{140}Pm(5.95 m)	1028.19(100), 773.74(100), 419.57(92)
257.9 *3*	0.87 *5*	^{186}Au(10.7 m)	191.56(62), 298.67(25.4), 764.89(10.5)
257.95 *10*	0.238 *19*	^{194}Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
257.97 *5*		^{193}Hg(3.80 h)	861.11(†100), 1118.84(†64), 789.21(†36)
257.97 *5*	61 *6*	^{193}Hg(11.8 h)	407.63(25), 573.25(14.2), 932.37(6.7)
257.99 *41*	0.15 *5*	^{137}Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
258.0 *3*	0.033 *7*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
258.0 *3*	0.45 *11*	^{180}Ir(1.5 m)	276.4(56), 132.2(38.1), 699.0(13.4)
258 *3*	†100	^{189}W(11.5 m)	417(†96), 550(†28), 855(†20)
258.04 *7*	0.073 *22*	^{133}Sb(2.5 m)	1096.22(43.0), 817.8(18.5), 2755(12.5)
258.067 *13*	0.376 *10*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
• 258.11 *2*	0.56 *5*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
258.14 *11*	0.072 *7*	^{199}Tl(7.42 h)	455.46(12.4), 208.20597(12.3), 247.26(9.3)
258.2 *3*		^{122}Ba(1.95 m)	550.7, 388.7, 231.0
258.2 *1*	†177 *15*	^{141}Gd(24.5 s)	198.4(†208), 113.2(†69), 145.0(†46)
258.2 *1*	11.8 *12*	^{141}Tb(3.5 s)	293.3(16.8), 343.6(16.3), 198.4(14.8)
258.2 *3*	37.0 *22*	^{170}Ho(2.76 m)	931.3(36.1), 181.6(23.8), 890.2(22)
258.2 *1*	†5 *1*	^{227}Rn(22.5 s)	162.14(†100), 739.2(†65), 686.2(†62)
258.2 *2*	†3.0	^{256}Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
258.21 *3*	3.9 *4*	^{130}Sb(39.5 m)	793.53(100), 839.49(100), 331.05(78)
258.22 *9*	0.222 *12*	^{187}Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
258.23 *7*	†7.28×10^{4} *4*	^{234}Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
• 258.23 *7*	0.119 *8*	^{234}Np(4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
• 258.23 *7*	8.5×10^{-8} *13*	^{238}Pu(87.74 y)	43.498(0.0395), 99.853(0.00735), 152.720(0.000937)
• 258.25 *10*	>0.019	^{125}Sn(9.64 d)	1067.10(10), 1089.15(4.59), 822.48(4.28)
258.3 *2*	0.9 *2*	^{129}Sn(2.23 m)	645.13(100), 80.5(6.6), 913.2(5.0)
• 258.311 *3*	0.339 *14*	^{169}Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
258.327 *2*	5.7 *2*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
258.36 *8*	0.0135 *16*	^{125}Xe(16.9 h)	188.418(54), 243.378(30.1), 54.968(6.81)
258.36 *4*	0.32 *3*	^{189}Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
258.38 *7*	1.8	^{227}Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
• 258.38 *7*	0.0024 *4*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
258.411 *20*	31.5 *6*	^{138}Xe(14.08 m)	434.562(20.3), 1768.26(16.7), 2015.82(12.25)
• 258.46 *20*	0.0039 *16*	^{233}Pa(26.967 d)	312.17(38.6), 300.34(6.62), 340.81(4.47)
258.46 *20*	0.098 *7*	^{233}Np(36.2 m)	312.17(0.7), 298.89(0.44), 546.9(0.280)
• 258.46 *20*	†1.75×10^{6} *13*	^{237}Pu(45.2 d)	280.40(†870000), 298.89(†7.85×10^{6}), 320.75(†6.48×10^{6})
258.47 *6*	64	^{146}La(6.27 s)	924.58(7.45), 702.28(6.43), 666.07(6.18)
258.47 *6*	93	^{146}La(10.0 s)	409.86(81), 514.75(31), 502.95(26)
258.47 *5*	0.0025	^{239}U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
258.5	0.17	^{145}Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)
258.5 *3*	†1.5	^{149}Ce(5.3 s)	57.7(†100), 380.0(†33.7), 86.4(†20.2)
• 258.5	0.025	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
258.5	0.056 *5*	^{217}At(32.3 ms)	593.1(0.0120), 334, 455
258.5	†8	^{238}Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
258.53 *15*		^{108}Mo(1.5 s)	268.21, 125.5
258.53 *5*	9.2 *7*	^{126}In(1.64 s)	1141.11(100), 908.58(99), 111.79(88)
258.54 *4*	1.21 *8*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
258.60 *20*	1.0 *3*	^{102}Zr(2.9 s)	599.60(13.9), 535.30(10.6), 64.50(8.9)
258.62 *3*	0.98 *4*	^{161}Gd(3.66 m)	360.94(0.59), 314.92(22.7), 102.315(13.9)
• 258.7	0.04	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
258.7 *1*	†98 *10*	^{185}Hg(21.6 s)	222.8(†100.0), 212.5(†58), 190.1(†52)
258.79 *6*	0.55 *5*	^{214}Pb(26.8 m)	351.921(35.8), 295.213(18.5), 241.981(7.50)
258.8 *5*	0.11 *3*	^{74}Ga(8.12 m)	595.847(91), 2353.46(44.5), 608.353(14.3)
258.8 *1*	1.64 *3*	^{113}Ag(5.37 h)	298.58(10), 316.3(1.343), 672.3(0.87)
258.81 *3*	75	^{143}Gd(39 s)	204.77(19.4), 463.7(9.9), 812.9(5.4)
258.822 *11*	1.84 *6*	^{159}Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
• 258.89 *10*	0.025	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
258.98 *10*	5.4 *6*	^{184}Hg(30.6 s)	236.18(64), 156.24(58), 295.11(10.3)
258.99 *4*	0.374 *9*	^{98}Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
259 *1*	†3.5 *3*	^{103}Mo(67.5 s)	83.4(†100), 423.91(†69), 45.8(†57)
259.0 *2*	0.0009 *4*	^{123}I(13.27 h)	158.97(83), 528.96(1.39), 440.02(0.428)
259.0 *1*		^{153}Ho(9.3 m)	108.7(†100), 365.9(†92), 161.5(†83)
259	3.0 *12*	^{227}U(1.1 m)	247(20), 310(3.6), 209(2.8)
259.05 *6*	0.20 *9*	^{193}Au(17.65 h)	186.17(10.1), 255.57(6.7), 268.22(3.9)
• 259.08 *4*	0.034 *5*	^{229}Th(7340 y)	193.509(4.4), 210.853(2.8), 86.40(2.57)
259.09 *7*	0.237 *13*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
259.090 *15*	4.2 *11*	^{164}Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
259.10 *10*		^{83}Y(7.08 m)	35.50(0.44), 882.1(6.30), 489.90(5.53)
259.10 *10*	54 *3*	^{83}Y(2.85 m)	421.8(19.5), 494.50(8.1)
259.1 *5*	0.044 *7*	^{109}In(4.2 h)	203.5(74), 623.7(5.5), 1148.9(4.3)
259.2 *3*	†82 *8*	^{88}Se(1.52 s)	159.2(†100), 1903.7(†64), 1744.5(†62)
259.2 *1*	†0.50 *5*	^{171}Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
259.21 *16*	†1.8 *4*	^{187}Hg(1.9 m)	233.38(†100), 376.34(†38), 240.26(†33)
259.25 *20*	0.93 *6*	^{177}W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
259.3 *3*	†1.55 *18*	^{111}Rh(11 s)	275.4(†100.0), 411.8(†9.42), 230.0(†8.9)
259.3 *10*	0.007	^{150}Pm(2.68 h)	333.971(68), 1324.51(17.5), 1165.739(15.8)
259.32 *12*	92 *3*	^{92}Ru(3.65 m)	213.81(96), 134.57(65.5), 47.46(28)
259.33 *13*	27.9 *19*	^{167}Dy(6.20 m)	569.7(48), 310.26(25.0), 250.03(9.6)
• 259.33 *4*	0.00016 *3*	^{233}U(1.592×10^5 y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
259.351 *6*	0.75 *9*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
259.36 *82*	0.061 *11*	^{174}Ta(1.05 h)	206.50(58), 91.00(16.0), 1205.92(4.9)
259.37 *5*	1.61 *9*	^{148}Ba(0.607 s)	56.08(29.20), 133.53(3.88), 415.78(3.59)
259.38 *4*	2.84 *5*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
259.4 *1*	7 *3*	^{119}Cs(43.0 s)	176.05(29.7), 225.13(26), 257.9(17.4)
259.4 *4*	0.055 *16*	^{122}Xe(20.1 h)	350.065(7.80), 148.612(2.62), 416.633(1.87)
• 259.49 *5*	0.050 *25*	^{205}Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
259.5	0.11	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
259.5 *1*	5.8 *7*	^{198}Pb(2.40 h)	290.3(36), 365.4(19), 173.4(18)
259.53 *5*	0.0146 *8*	^{165}Dy(2.334 h)	94.700(3.58), 361.68(0.84), 633.415(0.568)
259.58 *4*	0.0044 *3*	^{135}La(19.5 h)	480.51(1.5), 874.51(0.164), 587.83(0.1108)
259.65 *4*	0.50 *6*	^{208}Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
259.7 *2*	0.027	^{227}Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
259.73 *11*	†5.4 *16*	^{189}Au(28.7 m)	713.17(†100), 812.68(†63), 447.65(†55)
• 259.737 *12*	1.089 *15*	^{166}Ho(1.20×10^3 y)	184.410(72.6), 810.276(58.08), 711.683(55.32)
259.8 *3*	0.46 *9*	^{134}Te(41.8 m)	767.20(29.0), 210.465(22.3), 277.951(20.9)
259.8 *4*	0.52 *16*	^{175}Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
259.862 *15*	0.193 *9*	^{183}Os(13.0 h)	381.768(89.6), 114.463(20.63), 167.844(8.81)
259.9 *2*	†3.0 *4*	^{230}Ra(93 m)	72.0(†100), 63.0(†35.4), 202.8(†27.3)
260.070 *6*	37.2 *4*	^{162}Tb(7.60 m)	807.53(42.8), 888.20(38.7), 185.289(14.4)
260.070 *6*	0.035 *14*	^{162}Ho(67.0 m)	185.005(28.6), 1220.0(22.5), 282.864(11.3)
260.09 *9*	†100 *4*	^{126}Cd(0.506 s)	428.11(†83.7), 688.23(†5.9), 555.40(†4.8)
260.1 *1*	0.8 *3*	^{135}Nd(12.4 m)	204.02(52), 41.43(23), 441.2(14.9)
260.12 *5*	7.3 *4*	^{93}Sr(7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
260.15 *40*	†1.0 *5*	^{131}Sn(56.0 s)	1226.03(†100), 450.03(†90), 798.50(†86)
• 260.19 *6*	0.1878 *24*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
260.2 *3*	0.80 *15*	^{98}Sr(0.653 s)	119.353(73), 444.628(39), 428.4(31)
• 260.2	0.0022 *6*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
260.21 *9*	0.048 *13*	^{81}Se(57.28 m)	275.988(0.049), 767.1(0.00061), 491.30(0.000089)
260.21 *9*	15.7 *7*	^{105}In(5.07 m)	131.37(41), 604.11(9.2), 668.23(7.8)
260.26 *15*	1.40 *9*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
260.29 *2*	0.18 *4*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
260.3 *3*	0.68 *3*	^{200}Po(11.5 m)	671.0(34.0), 617.7(19.7), 434.4(9.3)
260.330 *10*	0.61 *11*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
260.43 *7*	1.35 *8*	^{62}Zn(9.186 h)	596.56(26), 40.84(25.5), 548.35(15.3)
• 260.46 *7*	0.0428 *25*	^{151}Gd(124 d)	153.56(6.20), 243.28(5.60), 174.70(2.96)
• 260.48 *3*	0.1555 *3*	^{205}Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
• 260.48 *3*	0.7	^{209}Po(102 y)	262.81(0.225)
260.5 *1*	8.0 *4*	^{71}Br(21.4 s)	233.7(6.5), 171.6(6.2), 122.72(5.1)
260.50 *11*	0.39 *3*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
• 260.5 *5*	0.007 *3*	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)
260.581 *17*	†100 *5*	^{224}Rn(107 m)	265.806(†93), 202.21(†21.9), 328.331(†17.2)
260.6	0.50	^{95}Sr(23.90 s)	685.6(23), 2717.3(4.6), 2933.1(4.1)
260.6 *4*	0.0083 *25*	^{139}Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
260.6 *2*	0.16	^{140}Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
260.6 *10*	0.11 *11*	^{172}Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
260.61 *25*		^{189}Au(28.7 m)	713.17(†100), 812.68(†63), 447.65(†55)
• 260.65 *22*	9.8×10^{-5} *15*	^{233}U(1.592×10^5 y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
260.7 *2*	†129 *43*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
• 260.736 *6*	1.321 *19*	^{149}Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
260.77 *6*	0.0022	^{239}U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
• 260.80 *15*	†1.21×10^4 *19*	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^9), 33.195(†6000×10^8)
• 260.8		^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^9), 33.195(†6000×10^8)
260.87 *9*	0.097 *10*	^{165}Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
• 260.890 *30*	1.94 *1*	^{115}Cd(53.46 h)	336.240(45.9), 527.900(27.45), 492.3(8.03)
• 260.890 *30*	0.00092 *8*	^{115}Cd(44.6 d)	933.8(2.000), 1290.580(0.890), 484.470(0.290)
260.9 *1*	0.37 *4*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
260.98 *2*	0.43 *9*	^{133}Sb(2.5 m)	1096.22(43.0), 817.8(18.5), 2755(12.5)
261.0 *1*	53	^{101}Ag(11.1 m)	588.0(10.0), 667.3(9.8), 1173.9(8.94)
261.0 *3*	0.64 *6*	^{109}Sb(17.0 s)	925.4(32), 1062.8(23.9), 664.5(20.1)
261		^{122}Ba(1.95 m)	550.7, 388.7, 231.0
261.0 *3*	†0.70 *13*	^{144}Cs(1.01 s)	199.326(†100.0), 639.00(†21.2), 758.96(†20.6)
261.0 *3*	0.13 *3*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
• 261.0 *5*		^{229}Th(7340 y)	193.509(4.4), 210.853(2.8), 86.40(2.57)
• 261.07857 *11*	2.715 *11*	^{169}Yb(32.026 d)	63.12077(44.2), 197.95788(35.8), 177.21402(22.16)
261.08 *7*	4.03 *22*	^{205}Po(1.66 h)	872.39(37), 1001.21(28.8), 849.83(25.5)
261.1 *3*	†2.7 *8*	^{105}Nb(2.95 s)	94.8(†100), 246.9(†79), 309.9(†41.9)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
261.1 *4*	0.33 *12*	^{109}Sn(18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
• 261.1 *1*	1.98 *9*	^{147}Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
261.1 *2*	†1.5 *4*	^{194}Bi(92 s)	965.4(†100.0), 575.1(†98.0), 280.1(†73.7)
261.13 *4*	0.011 *3*	^{187}W(23.72 h)	685.774(27.3), 479.531(21.8), 72.001(11.14)
261.19 *7*	0.80 *8*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
261.2 *2*	0.448 *7*	^{91}Sr(9.63 h)	1024.3(33), 749.8(23.61), 652.9(8.0)
261.2 *3*	0.24 *7*	^{161}Yb(4.2 m)	78.20(34), 599.88(25.9), 631.45(13.9)
• 261.29 *10*	13	^{79}Kr(35.04 h)	397.54(9.3), 606.09(8.12), 306.47(2.6)
261.3 *5*	0.036 *17*	^{141}Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
261.32 *14*		^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
261.34 *20*	1.25 *18*	^{130}In(0.55 s)	1221.24(89), 774.37(46), 89.23(20.2)
• 261.369 *1*	0.040 *6*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
261.396 *14*	1.74 *4*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
261.4 *4*	0.019 *9*	^{98}Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
• 261.4 *2*	0.020 *5*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
261.4 *2*	>0.02	^{171}Er(7.516 h)	308.31(64.4), 295.901(28.9), 111.621(20.5)
261.4	†0.9 *3*	^{178}Ir(12 s)	266.1(†100.0), 131.6(†79), 363.1(†39.9)
261.4 *3*	†1.2 *3*	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
• 261.42 *8*	0.011 *3*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
261.44 *3*	2.32 *18*	^{204}At(9.2 m)	684.341(95), 516.318(90), 426.253(67.5)
261.47 *3*	1.668 *17*	^{143}Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
261.5	0.79 *8*	^{40}Cl(1.35 m)	1460.830(79), 2839.8(30.4), 2621.5(15.4)
261.5 *5*	0.95 *10*	^{123}Cd(1.82 s)	1165.86(25.7), 1027.45(22.6), 2102.81(12.5)
261.5 *5*	0.27 *7*	^{148}Ho(9.59 s)	1687.5(82.47), 660.8(58.94), 504.3(18.62)
261.5 *1*	0.08 *3*	^{182}Os(22.10 h)	510.056(52), 180.230(33.5), 263.285(6.71)
• 261.53 *18*	0.0057 *12*	^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
261.54 *6*	0.178 *10*	^{187}Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
261.6 *2*	22.7 *9*	^{168}Ta(2.0 m)	124.0(35.6), 751.4(7.3), 907(5.0)
261.6	†28	^{224}Ac(2.9 h)	156.4(†100), 140.8(†55), 83(†21)
261.626 *7*	7.85 *11*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
• 261.66 *20*	†1.97×10^6 *12*	^{237}Pu(45.2 d)	280.40(†870000), 298.89(†7.85×10^6), 320.75(†6.48×10^6)
261.7 *1*	2.16 *23*	^{123}Cs(5.94 m)	97.3(23), 596.7(10.1), 83.3(4.1)
261.73 *5*	0.156 *5*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
261.75 *20*	†14.8 *22*	^{155}Nd(8.9 s)	180.574(†100), 418.99(†75), 955.08(†50)
261.75 *4*	1.5 *3*	^{195}Hg(9.9 h)	779.80(7), 61.46(6.2), 585.13(1.99)
• 261.75 *4*	30.9 *25*	^{195}Hg(41.6 h)	560.27(7), 387.87(2.15), 200.38(0.79)
261.79 *9*	0.83 *10*	^{122}In(10.3 s)	1140.55(98), 1001.58(50.7), 1190.58(20.5)
261.8 *2*	5.3 *9*	^{140}Gd(15.8 s)	174.8(76), 749.9(70), 379.0(38)
261.8	0.46	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
261.8	†60	^{182}Tl(3.1 s)	351.8(†100), 333.2(†30), 413.6(†20)
261.85 *2*	1.19 *22*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
261.88 *8*	1.2 *4*	^{203}Po(36.7 m)	908.64(55), 1090.95(19.2), 893.49(18.7)
261.92 *5*	†39 *5*	^{229}Ac(62.7 m)	164.522(†100), 569.1(†91), 146.345(†35)
• 261.92 *5*	0.00028 *5*	^{233}U(1.592×10^5 y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
261.96 *3*	7.9 *5*	^{121}In(23.1 s)	925.57(87), 657.32(7.1), 919.28(4.2)
262.0 *3*	0.063 *9*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
• 262.00 *5*	0.56 *5*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
262.0 *3*	0.11	^{170}Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
262.0 *1*	0.80 *8*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
262.0 *5*	†3.5 *10*	^{189}Au(28.7 m)	713.17(†100), 812.68(†63), 447.65(†55)
• 262	0.2	^{251}Cf(898 y)	176.6(17.7), 227.0(6.3), 285.0(1.4)
262.01 *7*	0.168 *4*	^{73}Se(39.8 m)	67.03(2.59), 253.70(2.356), 84.0(2.03)
262.03 *4*	0.284 *19*	^{81}Ga(1.221 s)	216.47(37.4), 828.26(22.1), 711.18(17.6)
262.04 *13*		^{88}Nb(14.5 m)	1082.53(103), 1057.01(100), 671.20(64)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
262.04 *13*	9.65 *30*	^{88}Nb(7.8 m)	1057.01(89.3), 1082.53(53.9), 399.41(45.7)
262.1 *1*	0.221 *23*	^{211}Rn(14.6 h)	674.1(45), 1362.9(32.5), 678.4(28.9)
262.15 *3*	1.86 *20*	^{125}Cd(0.57 s)	1027.53(25.8), 1173.16(25.1), 736.65(12.6)
262.2 *10*	†2.5	^{177}Os(2.8 m)	84.7(†100), 125.4(†63), 195.8(†61)
262.21 *19*	2.9 *3*	^{78}Zn(1.47 s)	224.75(43.9), 181.68(28.1), 860.30(24.5)
262.22 *4*	10.8 *5*	^{164}Lu(3.14 m)	123.3(34.0), 740.52(12.2), 863.89(9.2)
262.23 *3*	1.13 *13*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
• 262.26 *10*	†3.4×10^3 *5*	^{134}Ce(75.9 h)	162.306(†230000), 130.414(†209000), 39.08(†>150000)
• 262.26 *10*	†>3.4×10^3	^{134}Ce(75.9 h)	162.306(†230000), 130.414(†209000), 39.08(†>150000)
• 262.27 *5*	0.0049 *5*	^{226}Ra(1600 y)	186.10(3.50), 600.66(0.00049), 414.60(0.00030)
262.3 *5*	†218 *35*	^{100}Rh(4.6 m)	539.59(†5900), 687.0(†3500), 1827.2(†1410)
262.3 *2*	†16 *2*	^{135}Pm(49 s)	198.5(†100), 207.2(†70), 463.5(†62)
262.3 *3*	†3.2 *13*	^{155}Nd(8.9 s)	180.574(†100), 418.99(†75), 955.08(†50)
• 262.322 *2*	5.29 *5*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
262.33 *10*	4.3 *5*	^{184}Hg(30.6 s)	236.18(64), 156.24(58), 295.11(10.3)
262.4 *2*	0.92 *4*	^{188}Hg(3.25 m)	66.7(63), 190.1(4.40), 82.7(2.6)
• 262.44 *20*	0.0068 *14*	^{237}Np(2.14×10^6 y)	29.374(15.0), 86.477(12.4), 94.66(0.6)
262.5 *4*	†100 *9*	^{87}Mo(13.4 s)	397.0(†33), 585.5
262.5 *8*	1.3 *4*	^{90}Tc(49.2 s)	1054.3(100), 948.1(100), 944.7(36.6)
262.5 *4*	2.37 *23*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
• 262.579 *3*	5.8 *3*	^{156}Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
262.597 *18*	0.780 *21*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
262.6 *10*		^{129}Sn(2.23 m)	645.13(100), 80.5(6.6), 913.2(5.0)
262.6 *3*	0.66 *21*	^{192}Hg(4.85 h)	274.8(50.4), 157.2(7), 306.5(5.4)
262.60 *12*	0.38 *10*	^{208}At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
262.61 *18*	0.21 *7*	^{181}Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
262.7 *4*	†100	^{91}Br(0.541 s)	803.3(†80), 364.8(†40), 185.6(†30)
262.7	>0.10	^{115}Pd(25 s)	342.71(8), 303.87(7), 396.56(6)
262.7 *2*	0.13 *4*	^{119}Ag(2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
• 262.70 *3*	3.02 *5*	^{206}Bi(6.243 d)	803.10(99), 881.01(66.2), 516.18(40.7)
262.702 *12*	0.359 *10*	^{133}I(20.8 h)	529.872(87.0), 875.329(4.51), 1298.223(2.35)
262.8	0.7	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
262.80 *13*	0.175 *14*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
• 262.81 *3*	0.364 *12*	^{205}Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
• 262.81 *3*	0.225 *11*	^{209}Po(102 y)	260.48(0.7)
262.83 *10*	6.57 *14*	^{105}Ru(4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
262.87 *12*	0.011 *3*	^{187}W(23.72 h)	685.774(27.3), 479.531(21.8), 72.001(11.14)
262.886 *9*	0.0041 *3*	^{145}Pr(5.984 h)	748.278(0.5250), 675.795(0.514), 72.500(0.261)
262.9 *1*	1.28 *10*	^{132}I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
262.90 *20*	0.046 *9*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
262.91 *9*	0.0045 *12*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 262.91 *9*	†6.3 *7*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
262.94	0.0028 *3*	^{145}Pr(5.984 h)	748.278(0.5250), 675.795(0.514), 72.500(0.261)
262.95 *8*	0.118 *25*	^{116}In(54.41 m)	1293.54(84.4), 1097.3(56.2), 416.86(28.9)
262.95 *7*	0.94 *14*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
262.990 *30*	0.183 *9*	^{105}Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
• 263	>0.00013	^{95}Tc(61 d)	204.117(63.25), 582.082(29.96), 835.149(26.63)
263	†0.5	^{181}Os(2.7 m)	144.99(†100), 118.03(†28.3), 1118.8(†4.2)
263.07 *7*	0.069 *4*	^{121}I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
263.07 *15*	0.037 *19*	^{189}Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
263.07 *2*	1.55 *10*	^{191}Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
263.1 *1*	4.0 *3*	^{117}Cs(8.4 s)	204.8(15.0), 29.7(9.9), 205.6(6.8)
263.1 *4*	>0.11	^{209}Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
263.17 *5*	0.0333 *22*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 263.17 *5*	0.0057 *7*	^{246}Bk(1.80 d)	798.80(61), 1081.40(5.8), 833.60(5.0)
263.20 *8*	2.76 *6*	^{70}Se(41.1 m)	49.51(35.8), 426.15(29), 376.65(9.43)
263.2 *2*	1.0 *5*	^{104}Ag(69.2 m)	555.796(92.6), 767.72(65.7), 941.7(25.0)
263.2 *3*	†100 *4*	^{113}Ru(0.80 s)	211.7(†31.0), 337.5(†27.9), 657.9(†24.0)
263.207 *22*	1.34 *7*	^{157}Sm(482 s)	197.870(56.00), 196.461(16.8), 394.351(11.93)
• 263.23 *4*	0.0096 *3*	^{149}Pm(53.08 h)	285.95(3.1), 859.46(0.109), 590.88(0.069)
263.285 *10*	6.71 *21*	^{182}Os(22.10 h)	510.056(52), 180.230(33.5), 55.506(5.8)
263.37 *7*	1.139 *20*	^{240}Np(7.22 m)	554.60(20.9), 597.40(11.7), 1496.9(1.33)
• 263.37 *7*	5.4×10^{-5} *3*	^{244}Cm(18.10 y)	42.824(.0044100), 98.860(.0001470), 152.63(<4.9×10^{-7})
263.383 *14*	3.65 *13*	^{143}Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
263.4	0.023	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
263.4 *3*	0.22 *3*	^{181}Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
• 263.41 *10*	0.022 *4*	^{56}Co(77.27 d)	846.771(100), 1238.282(67.6), 2598.459(17.28)
263.5 *3*	0.14 *3*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
263.5 *2*	0.23 *7*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
263.5 *3*		^{188}Hg(3.25 m)	66.7(63), 190.1(4.40), 82.7(2.6)
263.51 *10*	0.88 *5*	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
263.53	0.11 *3*	^{44}K(22.13 m)	1157.031(58), 2150.76(22.7), 2518.95(9.69)
263.56 *2*	0.87 *4*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
263.58 *10*	0.041 *4*	^{228}Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
263.58 *10*	0.125 *13*	^{228}Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
263.60 *10*	15.2 *7*	^{99}Pd(21.4 m)	136.00(73), 673.38(6.9), 1335.6(4.65)
263.7 *2*	4.1	^{104}Zr(1.2 s)	100.9(6), 504.7(5), 445.0(5)
263.7 *3*		^{122}Ba(1.95 m)	550.7, 388.7, 231.0
263.7 *1*	0.047 *16*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
263.707 *17*	0.198 *9*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
263.78 *6*	†1.80 *7*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
263.79 *14*	†8.6 *10*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
263.80 *12*	0.75 *6*	^{99}Nb(2.6 m)	97.785(7), 253.50(3.64), 2641.3(3.64)
263.8 *3*	2.84 *10*	^{231}Np(48.8 m)	370.9(10), 348.4(3.63), 484.7(1.6)
263.84 *17*	0.011 *3*	^{85}Br(2.90 m)	802.41(2.56), 924.63(1.63), 919.06(0.65)
263.87 *2*	35.9 *3*	^{123}Ag(0.309 s)	409.79(13.2), 591.30(8.2), 116.41(7.58)
263.89 *20*	0.021 *5*	^{165}Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
263.9 *1*	0.50 *6*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
263.9		^{180}Hg(2.8 s)	170
• 263.914 *2*	2.65×10^{-5} *10*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
263.96 *7*	0.20 *2*	^{87}Br(55.60 s)	1419.71(22.0), 1476.04(7.9), 1577.60(6.0)
263.97 *7*	†100	^{184}Ir(3.09 h)	119.80(†45), 390.38(†38), 961.22(†18.3)
264.0 *3*	†2.6 *1*	^{114}Te(15.2 m)	90.28(†100), 83.8(†67), 1417.6(†32)
264.0	>0.28	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
• 264 *2*	0.05 *1*	^{254}Es(275.7 d)	63.0(2.0), 316(0.15), 304(0.07)
264.04 *14*	0.17 *5*	^{207}At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
• 264.07519 *13*	3.605 *24*	^{182}Ta(114.43 d)	67.75001(41.2), 1121.3007(34.9), 1221.4066(26.98)
264.07519 *13*	3.29 *4*	^{182}Re(12.7 h)	67.75001(38.2), 1121.3007(32), 1221.4066(24.8)
• 264.07519 *13*	3.57 *23*	^{182}Re(64.0 h)	229.3220(26), 67.75001(22.2), 1121.3007(22.0)
264.1 *1*	†27 *3*	^{160}Tm(9.4 m)	125.8(†100), 728.5(†37), 1368.5(†24.6)
264.1 *1*	9	^{160}Tm(74.5 s)	125.8(6.5), 375.8(2.4), 738.7(1.08)
264.10 *6*	0.08	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
264.1 *2*	0.0010 *1*	^{255}Fm(20.07 h)	81.477(0.81), 58.477(0.67), 80.92(0.27)
264.1 *2*	†2	^{256}Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
264.2 *2*	†8 *2*	^{131}Ce(10.3 m)	169.42(†100), 414.25(†68), 119.18(†44)
264.2 *1*	0.46 *3*	^{142}Gd(70.2 s)	750.2(11.2), 178.90(11.20), 284.4(6.16)
264.2 *2*	†1.6 *6*	^{192}Bi(37 s)	853.8(†100.0), 501.8(†80), 504.3(†39)
264.2 *4*	5.2 *3*	^{203}Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)

Energy-ordered Decay γ-ray Tables from the *Table of Isotopes*

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 264.21 *15*	0.008 *4*	^{71}As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
264.26 *9*	0.185 *3*	^{135}I(6.57 h)	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
264.30 *30*	5	^{116}Ag(10.4 s)	513.39(92), 705.82(61), 1028.90(30.4)
264.3 *6*	0.7 *5*	^{129}Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
264.3 *3*	†1.6 *4*	^{142}Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
264.3 *4*	0.26 *13*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
264.33 *9*	†40.0 *20*	^{182}Au(21 s)	154.76(†100), 855.41(†14.5), 787.15(†13.5)
264.348 *14*	0.66 *4*	^{89}Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
264.35 *14*	0.162 *25*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
264.378 *11*	0.38 *11*	^{109}Rh(80 s)	326.868(54), 426.135(7.7), 178.034(7.6)
264.4 *6*	0.13 *4*	^{103}Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
264.4 *4*	†2.5 *8*	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 234.0(†40.0)
264.40 *15*	†8.4 *15*	^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
264.41 *10*	65	^{99}Ag(124 s)	832.29(13.5), 805.07(12.5), 815.63(6.8)
264.44 *3*	54	^{77}Ge(11.30 h)	211.03(30.8), 215.50(28.6), 416.33(21.8)
• 264.492 *7*	0.554 *14*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
264.5 *5*	0.056 *9*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
264.5 *2*	0.40 *4*	^{230}Fr(19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)
264.53 *13*	0.536 *25*	^{86}Y(14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
264.56 *4*	9.0 *5*	^{146}Ce(13.52 m)	316.74(56), 218.23(20.8), 133.52(8.1)
264.6		^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
264.61 *5*	0.59 *6*	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
264.621 *18*	0.14 *3*	^{155}Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
264.6584 *19*	11	^{75}Ge(82.78 m)	198.6031(1.19), 468.8(0.223), 419.1(0.185)
264.6584 *19*		^{75}Ge(47.7 s)	136.0008(0.020), 121.1166(0.0050), 279.5441(0.0043)
• 264.6584 *19*	58.50 *23*	^{75}Se(119.779 d)	136.0008(58.3), 279.5441(24.79), 121.1166(17.14)
• 264.67 *3*	0.041 *4*	^{149}Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
264.68 *4*	0.94 *7*	^{221}Rn(25 m)	254.2(1.8)
264.70 *10*	0.071 *16*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
264.70 *4*	0.090 *12*	^{147}Pr(13.4 m)	77.9921(15), 314.675(13.2), 641.380(10.0)
264.7	0.37	^{157}Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
• 264.738 *9*	0.750 *19*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
264.8	0.7	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
264.8 *3*	†5.5 *6*	^{153}Yb(4.2 s)	547.4(†100), 674.1(†61), 369.6(†32)
264.8 *4*	†1.30 *15*	^{182}Ir(15 m)	273.23(†100), 126.79(†77), 236.3(†21.0)
264.8 *1*	0.51 *5*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
264.8 *2*	†0.6 *1*	^{200}At(43 s)	665.9(†100), 611.1(†85.0), 484.5(†49.8)
• 264.89 *6*	†9.0×10^4 *4*	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^9), 33.195(†6000×10^8)
• 264.89		^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^9), 33.195(†6000×10^8)
• 264.9	>0.07	^{167}Tm(9.25 d)	207.801(41), 57.0723(4.6), 531.54(1.6)
264.9	†100	^{205}Rn(2.8 m)	464.5(†25), 620.2(†25), 675.0(†20)
265.0 *1*	0.064 *11*	^{107}Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
265.0 *3*	1.06 *15*	^{113}Rh(2.72 s)	189.7(17.0), 409.3(15.9), 219.6(3.88)
265.0	0.50 *25*	^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)
• 265.0	>0.0015	^{184}Re(38.0 d)	903.279(37.9), 792.071(37.5), 111.208(17.1)
265.0 *2*	†56 *3*	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
• 265 *10*	30	^{247}Bk(1380 y)	84.0(40)
265.05 *21*	0.8 *4*	^{103}Ag(65.7 m)	118.72(31.2), 148.193(28.3), 266.86(13.3)
265.1 *1*	14.4 *12*	^{242}Np(5.5 m)	785.7(60), 944.8(37.8), 159.0(19.2)
• 265.2 *5*		^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
265.2 *6*	>0.11	^{209}Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
• 265.25 *5*	0.018 *3*	^{189}Re(24.3 h)	216.663(5.50), 219.395(4.54), 245.09(3.5)
265.26 *9*	56	^{97}Pd(3.10 m)	475.2(26.7), 792.70(13.8), 1759.60(6.8)
265.290 *8*	0.47 *6*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
265.3 *4*	0.49 *10*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
265.34 *21*	0.19 *5*	^{157}Dy(8.14 h)	326.16(92), 182.20(1.84), 83.01(0.62)
265.36 *7*	27.0 *14*	^{80}Ge(29.5 s)	110.4(6.5), 1564.3(4.9), 936.97(4.05)
265.4 *2*	†9.7 *13*	^{181}Hg(3.6 s)	147.8(†100), 42.5(†25), 1986.7(†17)
265.46 *10*	1.04 *11*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
265.5 *3*	0.46 *18*	^{152}Ho(49.5 s)	647.2(92), 613.8(88.4), 683.3(88)
265.51 *5*	0.1300 *19*	^{127}Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
• 265.54 *7*	†3.9×10^{3} *5*	^{134}Ce(75.9 h)	162.306(†230000), 130.414(†209000), 39.08(†>150000)
265.56 *2*	41.8 *13*	^{135}Ce(17.7 h)	300.07(23.5), 606.76(18.8), 518.05(13.6)
265.56 *6*	0.203 *11*	^{159}Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
265.61 *3*	0.50 *3*	^{109}Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
265.619 *24*	2.46 *7*	^{157}Pm(10.56 s)	160.61(35), 188.052(13.5), 571.27(5.39)
265.63 *6*	†100 *3*	^{188}Au(8.84 m)	340.04(†23.9), 605.5(†16.3), 405.49(†9.1)
265.7 *6*	0.087 *8*	^{111}Sn(35.3 m)	1152.98(2.7), 1914.70(1.99), 761.97(1.48)
265.7 *5*	†2.5 *10*	^{189}Au(28.7 m)	713.17(†100), 812.68(†63), 447.65(†55)
265.7 *3*	0.17	^{190}Pb(1.2 m)	942.20(34), 151.19(8.92), 598.3(8.0)
• 265.724 *4*	1.6×10^{-6} *3*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
265.8 *3*		^{122}Ba(1.95 m)	550.7, 388.7, 231.0
• 265.8 *5*	<0.04	^{234}Np(4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
265.806 *17*	†93 *5*	^{224}Rn(107 m)	260.581(†100), 202.21(†21.9), 328.331(†17.2)
265.83 *6*	3.9 *4*	^{154}Tb(22.7 h)	247.925(79), 346.643(69), 1419.81(46)
• 265.832 *5*		^{210}Bi(5.013 d)	304.896
• 265.832 *5*	50	^{210}Bi(3.04×10^{6} y)	304.896(28), 649.42(3.8), 344.52(0.7)
265.9 *2*	0.55 *3*	^{61}Zn(89.1 s)	475.0(16.85), 1660.5(7.80), 970.0(2.57)
• 265.922 *12*	0.40 *4*	^{241}Cm(32.8 d)	471.805(71), 430.634(4.06), 132.413(3.86)
• 265.922 *12*	0.00014 *4*	^{245}Bk(4.94 d)	205.879(0.040), 471.805(0.026), 164.8(0.0084)
266.0 *5*	0.8 *3*	^{161}Yb(4.2 m)	78.20(34), 599.88(25.9), 631.45(13.9)
266.0 *2*	†24 *5*	^{180}Yb(2.4 m)	172.9(†100), 375.0(†87), 419.8(†56)
• 266.0	0.0141 *24*	^{230}Pa(17.4 d)	314.8(0.094), 366.56(0.076), 383.6(0.036)
• 266.0 *3*	0.5 *2*	^{251}Cf(898 y)	176.6(17.7), 227.0(6.3), 285.0(1.4)
266.04 *8*	0.39 *4*	^{133}Sb(2.5 m)	1096.22(43.0), 817.8(18.5), 2755(12.5)
266.06 *20*	0.28 *2*	^{107}Rh(21.7 m)	302.77(66), 392.47(8.8), 312.21(4.8)
• 266.068 *4*	0.00276 *25*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
266.08 *15*	0.065 *15*	^{126}In(1.60 s)	1141.11(55.9), 3344.61(21.6), 969.61(14.9)
266.08 *15*	0.31 *6*	^{126}In(1.64 s)	1141.11(100), 908.58(99), 111.79(88)
266.1 *7*	†100.0 *22*	^{178}Ir(12 s)	131.6(†79), 363.1(†39.9), 899.7(†16.9)
266.11 *18*	0.260 *25*	^{186}Au(10.7 m)	191.56(62), 298.67(25.4), 764.89(10.5)
266.13 *7*	†100	^{131}Pr(1.53 m)	72.82(†64), 387.56(†38), 324.35(†34)
266.2 *4*	2.17 *23*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
266.2	†15.6	^{158}Ho(21.3 m)	406.14(†100), 838.9(†84.3), 1484.1(†66.2)
266.20 *16*	0.074 *4*	^{187}Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
266.3 *2*	2.57 *18*	^{85}Zr(7.86 m)	454.20(45), 416.3(27.0), 1198.4(4.8)
266.32 *10*	0.66 *7*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
266.346 *3*	0.27 *5*	^{109}Rh(80 s)	326.868(54), 426.135(7.7), 178.034(7.6)
266.35 *6*	54.7 *6*	^{156}Ho(56 m)	137.83(51), 366.25(10.73), 884.45(7.08)
266.4 *1*	3.2 *6*	^{108}In(58.0 m)	875.46(100), 632.96(100), 242.84(41)
266.4 *1*	>0.32	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
• 266.45 *5*	0.006 *2*	^{235}U(7.038×10^{8} y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
266.5 *2*	2.7 *4*	^{129}Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
266.5		^{153}Tm(2.5 s)	
266.5 *5*		^{167}Ho(3.1 h)	346.547(56), 321.336(23.5), 237.873(5.0)
• 266.5 *5*	0.0022 *5*	^{167}Tm(9.25 d)	207.801(41), 57.0723(4.6), 531.54(1.6)
266.5 *4*		^{185}Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
266.5 *1*	†9 *1*	^{227}Rn(22.5 s)	162.14(†100), 739.2(†65), 686.2(†62)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
266.5 *2*	0.25 *3*	^{230}Fr(19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)
• 266.543 *12*	0.466 *8*	^{140}La(1.6781 d)	1596.210(95), 487.021(45.5), 815.772(23.28)
266.543 *12*	0.20 *6*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
266.6 *4*	0.084 *8*	^{102}Mo(11.3 m)	211.66(3.8), 148.19(3.76), 223.83(1.44)
• 266.62 *2*	0.69 *3*	^{249}Cf(351 y)	388.16(66), 333.37(14.6), 252.80(2.50)
266.63 *19*	0.037 *5*	^{81}Rb(4.576 h)	190.38(64.0), 446.15(23.2), 510.31(5.3)
266.63 *19*	0.00012	^{81}Rb(30.5 m)	49.56(0.78), 643.6(0.115), 1194.9(0.112)
266.7 *1*	0.9	^{198}Pb(2.40 h)	290.3(36), 365.4(19), 173.4(18)
266.8 *3*	†2.7 *12*	^{105}Nb(2.95 s)	94.8(†100), 246.9(†79), 309.9(†41.9)
266.8 *2*	0.016 *5*	^{107}Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
266.8 *1*	10.36 *15*	^{135}Te(19.0 s)	603.5(37.0), 870.3(7.73), 1133.3(1.74)
266.8 *3*	0.46 *18*	^{152}Ho(49.5 s)	647.2(92), 613.8(88.4), 683.3(88)
266.80 *15*	0.0011 *3*	^{165}Dy(2.334 h)	94.700(3.58), 361.68(0.84), 633.415(0.568)
• 266.820 *7*	0.272 *3*	^{129}Cs(32.06 h)	371.918(30.60), 411.490(22.31), 548.945(3.40)
266.83 *5*	20.6 *10*	^{93}Kr(1.286 s)	253.42(41.2), 323.89(24.1), 252.51(19.5)
266.86 *4*	13.3 *4*	^{103}Ag(65.7 m)	118.72(31.2), 148.193(28.3), 1273.83(9.3)
266.89 *21*	†2.0 *5*	^{131}Sn(56.0 s)	1226.03(†100), 450.03(†90), 798.50(†86)
266.9 *1*	7.3 *4*	^{93}Y(10.18 h)	947.1(2.09), 1917.8(1.55), 680.2(0.658)
266.9 *2*	0.33 *9*	^{173}Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
266.9 *4*	10.8 *13*	^{175}Ta(10.5 h)	207.4(14.0), 348.5(12.0), 81.5(6)
266.9 *4*	0.44 *16*	^{175}Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
266.91 *22*	0.0012 *6*	^{152}Eu(9.274 h)	344.281(2.44), 1314.67(0.956), 970.38(0.604)
• 266.913 *12*	0.0404 *9*	^{110}Ag(249.79 d)	657.7622(94.0), 884.685(72.2), 937.493(34.13)
• 266.97 *5*	0.0304 *14*	^{149}Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
• 266.980 *10*	0.092 *3*	^{115}Cd(53.46 h)	336.240(45.9), 527.900(27.45), 492.3(8.03)
267.0 *1*	0.96 *13*	^{137}Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
267.0 *4*	†1.1×10^3 *6*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
267.0 *5*	†0.26 *13*	^{180}Au(8.1 s)	153.3(†100), 524.3(†29), 257.6(†26)
• 267.06 *11*	0.062 *16*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 267.090 *6*	0.07 *3*	^{156}Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
267.1 *2*	1.06 *16*	^{108}Tc(5.17 s)	242.25(82), 465.6(14.3), 707.81(11.4)
267.1 *1*	†0.50 *5*	^{171}Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
267.10 *15*	0.56 *9*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
• 267.1 *2*		^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
267.12 *5*	0.175 *21*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
• 267.14 *20*	0.0022 *7*	^{172}Tm(63.6 h)	78.7435(6.5), 1093.657(6.0), 1387.093(5.6)
267.17 *9*	0.00030 *5*	^{135}La(19.5 h)	480.51(1.5), 874.51(0.164), 587.83(0.1108)
267.173 *22*	0.117 *6*	^{133}I(20.8 h)	529.872(87.0), 875.329(4.51), 1298.223(2.35)
• 267.2 *3*	0.020 *15*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
267.3 *3*	†6.2 *15*	^{109}Tc(0.87 s)	194.6(†100), 128.7(†51), 96.2(†48)
267.3 *2*	31 *4*	^{139}Eu(17.9 s)	155.3(31), 190.1(25), 111.9(21.3)
267.3 *2*	†1.7 *4*	^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
267.3 *5*		^{191}Hg(50.8 m)	252.5(57), 420.1(18.6), 578.6(17.6)
• 267.30 *10*		^{249}Cf(351 y)	388.16(66), 333.37(14.6), 252.80(2.50)
267.3 *5*	0.0049 *25*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
267.32 *5*	13.3 *7*	^{156}Pm(26.70 s)	173.75(52.0), 1147.84(20.5), 117.42(13.8)
• 267.4 *2*	0.119 *8*	^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
267.4 *12*	0.21	^{186}Pt(2.0 h)	276.7(0), 611.5(6.0), 635.6(>3.8)
267.42 *14*	†11 *1*	^{159}Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
• 267.499 *16*	0.0137 *7*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
267.5 *3*	0.004 *3*	^{131}Te(25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
267.5 *2*	0.27 *4*	^{140}Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
267.5 *3*	3.9 *4*	^{154}Tb(22.7 h)	247.925(79), 346.643(69), 1419.81(46)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
267.50 *20*	0.18 *5*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
267.54 *11*	1.01 *20*	^{181}Os(105 m)	238.75(44), 826.77(20), 118.03(12.9)
• 267.54 *4*	0.710 *20*	^{237}U(6.75 d)	59.537(34.5), 208.00(21.14), 26.345(2.43)
• 267.54 *4*	†2.63×10^5 *6*	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^9), 33.195(†6000×10^8)
267.6 *3*	0.011 *3*	^{139}Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
267.6 *2*	†5.7 *5*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
267.6 *2*	0.386 *22*	^{199}Pb(90 m)	366.90(44.2), 353.39(9.5), 1135.04(7.8)
• 267.62 *4*	0.00116 *13*	^{231}Th(25.52 h)	25.646(14.5), 84.216(6.6), 89.944(0.94)
267.693 *8*	6.03 *16*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
267.7 *3*	0.084 *18*	^{89}Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
267.7 *1*	0.49 *16*	^{130}La(8.7 m)	357.4(81.0), 550.7(25.9), 908.0(17.0)
• 267.74 *3*	0.0117 *5*	^{147}Eu(24.1 d)	197.299(27), 121.220(22.9), 677.516(9.8)
267.76 *3*	0.62 *4*	^{135}Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
• 267.8 *2*	0.037 *19*	^{146}Gd(48.27 d)	154.57(47), 115.51(44.0), 114.71(44.0)
267.8 *1*	†10 *1*	^{227}Rn(22.5 s)	162.14(†100), 739.2(†65), 686.2(†62)
267.88 *25*	1.3 *4*	^{125}Cd(0.65 s)	436.29(37), 1099.48(22.3), 2147.19(19.1)
267.92 *10*	0.147 *5*	^{194}Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
268.0	0.0043	^{83}As(13.4 s)	734.60(43), 1113.10(14.7), 2076.70(11.9)
268	>0.0041	^{90}Nb(14.60 h)	1129.224(92.7), 2318.968(82.03), 141.178(66.8)
268.0 *6*	>0.35	^{113}Ag(68.7 s)	316.3(18), 392.3(11), 298.58(10)
268.0 *4*	1.1 *3*	^{168}Lu(6.7 m)	198.82(28), 979.22(20), 896.12(15)
268 *1*	0.15	^{175}Tm(15.2 m)	514.868(65), 941.23(15), 363.942(12.7)
• 268.00 *19*	†0.37 *12*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
268.0 *5*	0.00018 *4*	^{255}Fm(20.07 h)	81.477(0.81), 58.477(0.67), 80.92(0.27)
268.09 *14*	0.125 *21*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
268.10 *22*	0.22 *16*	^{77}Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
268.1 *2*	11.4 *4*	^{120}In(47.3 s)	1171.3(100), 1023.1(97.4), 197.3(80.6)
• 268.1 *1*	0.78 *8*	^{191}Pt(2.9 d)	538.90(13.7), 409.44(8.0), 359.90(6.0)
268.1 *1*	0.191 *18*	^{207}At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
268.13 *5*	0.47 *5*	^{132}Ce(3.51 h)	182.11(77), 155.37(10.5), 216.83(4.95)
268.16 *16*	0.82 *8*	^{166}Lu(2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
268.2	0.32	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
• 268.2 *4*	0.012 *6*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
268.21 *6*		^{108}Mo(1.5 s)	258.53, 125.5
268.218 *20*		^{135}La(19.5 h)	480.51(1.5), 874.51(0.164), 587.83(0.1108)
268.22 *5*	3.9 *3*	^{193}Au(17.65 h)	186.17(10.1), 255.57(6.7), 173.52(2.9)
268.24		^{88}Kr(2.84 h)	2392.11(34.6), 196.301(25.98), 2195.842(13.18)
268.3 *2*	4.9 *5*	^{141}Tb(3.5 s)	293.3(16.8), 343.6(16.3), 198.4(14.8)
268.3 *4*	0.07 *3*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
268.3 *1*	0.038 *6*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
• 268.3		^{188}Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
268.31 *9*	0.198 *19*	^{158}Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
268.32 *2*	1.97 *15*	^{191}Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
268.34 *9*	1.27 *10*	^{206}At(30.0 m)	700.66(98), 477.10(86), 395.54(48)
268.36 *5*	1.22 *16*	^{107}Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
268.38 *2*	3.96 *17*	^{200}Pb(21.5 h)	147.63(37.7), 257.17(4.46), 235.63(4.30)
268.39 *20*	0.34 *8*	^{108}In(58.0 m)	875.46(100), 632.96(100), 242.84(41)
268.4 *2*		^{146}Dy(29 s)	2156.8, 1915.7, 1876.7
268.4 *3*	0.24 *3*	^{188}Hg(3.25 m)	66.7(63), 190.1(4.40), 82.7(2.6)
268.4 *2*	†1.71 *24*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
268.5 *2*		^{89}Tc(12.9 s)	118.87
268.5 *3*	0.32 *11*	^{107}Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
268.5 *8*	2.4 *8*	^{156}Sm(9.4 h)	87.4897(24), 203.818(20.6), 165.8452(12.7)
• 268.5 *2*	0.00013 *4*	^{177}Ta(56.56 h)	112.9498(7.2), 208.3664(0.94), 1057.8(0.29)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
268.5 *4*	0.33 *7*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
268.6 *10*	0.14 *5*	^{103}Tc(54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
268.6 *8*	0.26 *4*	^{129}Sb(4.40 h)	812.8(43), 914.6(20.0), 544.7(17.9)
268.6	3.0 *4*	^{145}Tb(29.5 s)	257.8(39), 987.8(37), 537.0(23)
• 268.625 *2*	0.71 *5*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
• 268.66 *3*	0.00023 *4*	^{233}U(1.592×10^5 y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
268.67 *4*	0.178 *15*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
268.7 *2*	6.7 *4*	^{98}Y(0.548 s)	1223.0(36.0), 2941.3(16.7), 1590.9(14.7)
268.7 *3*	8.47 *7*	^{137}Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
268.7 *5*		^{148}Er(4.6 s)	1311.8(8.9), 244.0(7.1), 315.3(6.9)
268.7 *4*		^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
268.72 *11*	†6.0 *7*	^{165}Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
• 268.73 *7*	1.65 *16*	^{191}Pt(2.9 d)	538.90(13.7), 409.44(8.0), 359.90(6.0)
268.758 *10*	>0.021	^{182}Os(22.10 h)	510.056(52), 180.230(33.5), 263.285(6.71)
268.78 *5*	0.231 *22*	^{197}Pt(18.3 h)	77.351(17.0), 191.437(3.7)
• 268.78 *5*	0.0378 *18*	^{197}Hg(64.14 h)	77.351(18.0), 191.437(0.608)
268.7850 *10*	0.162 *11*	^{177}Yb(1.911 h)	150.392(20.3), 1080.21(5.6), 1241.2(3.47)
268.8 *2*	0.45 *5*	^{117}Cs(8.4 s)	204.8(15.0), 29.7(9.9), 205.6(6.8)
268.80 *6*	7	^{147}Ce(56.4 s)	92.9(4.7), 374.23(3.5), 452.1(3.3)
268.8 *3*	0.151 *17*	^{181}Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
268.8 *1*	0.37 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
268.8 *2*		^{192}Bi(39.6 s)	33.6, 103.1
268.8 *5*		^{191}Hg(50.8 m)	252.5(57), 420.1(18.6), 578.6(17.6)
268.81 *10*	0.80 *25*	^{186}Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
268.9 *6*	0.018 *12*	^{178}Lu(28.4 m)	93.180(6.0), 1340.8(3.22), 1310.05(1.40)
269.0 *10*	†6	^{87}Nb(2.6 m)	200.95(†100), 470.63(†73), 1066.8(†37)
269.0 *3*	0.97 *14*	^{102}Zr(2.9 s)	599.60(13.9), 535.30(10.6), 64.50(8.9)
269.0 *5*	†8 *3*	^{106}Mo(8.4 s)	465.70(†100), 54.00(†54), 618.60(†25)
269.0 *2*	1.3 *4*	^{140}Gd(15.8 s)	174.8(76), 749.9(70), 379.0(38)
269.0 *3*	0.14	^{170}Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
269.00 *9*	0.20 *8*	^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
269.0 *7*	0.030 *10*	^{214}Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
• 269.1		^{255}Es(39.8 d)	233.6, 35.7
269.11 *5*	0.083 *9*	^{159}Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
269.11 *10*	†12.6 *13*	^{171}Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
269.12 *4*	†13	^{197}Ir(5.8 m)	469.72(†100), 430.56(†61), 815.92(†45)
269.17 *2*	†0.84 *5*	^{153}Pm(5.4 m)	35.842(†100), 127.298(†75), 28.309(†34.6)
269.2 *2*	4.3 *6*	^{105}Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
• 269.2 *3*	>0.14	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
269.2 *2*	1.23 *9*	^{188}Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
269.2 *1*	0.099 *20*	^{223}Ac(2.10 m)	98.58(0.891), 191.3(0.58), 83.55(0.57)
269.26 *5*	6.3 *5*	^{126}In(1.64 s)	1141.11(100), 908.58(99), 111.79(88)
269.3 *3*	0.18 *8*	^{126}Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
269.3 *1*	†395 *38*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
269.358 *24*	0.172 *7*	^{155}Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
269.4 *2*	0.028 *19*	^{98}Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
269.4 *1*	0.018 *4*	^{178}Ta(9.31 m)	93.180(1.78), 1350.68(1.18), 1340.8(1.027)
269.4 *1*	1.23 *9*	^{188}Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
• 269.459 *10*	13.7 *3*	^{223}Ra(11.435 d)	154.21(5.62), 323.871(3.93), 144.232(3.22)
• 269.50 *2*	†36.5 *8*	^{56}Ni(5.9 d)	158.38(†98.8), 811.85(†86.0), 749.95(†49.5)
269.5 *1*	0.92 *8*	^{142}Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
• 269.5 *10*	0.0025 *6*	^{151}Gd(124 d)	153.56(6.20), 243.28(5.60), 174.70(2.96)
269.5 *10*	0.35 *21*	^{186}Pt(2.0 h)	276.7(0), 611.5(6.0), 635.6(>3.8)
269.5 *3*	3.5 *3*	^{192}Pb(3.5 m)	1195.4(47), 608.2(17.9), 167.5(13.6)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
269.5 *2*	†3.8	^{256}Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
269.519 *45*	17.0 *9*	^{148}Ce(56 s)	291.724(16.7), 121.169(13.2), 98.99(12.4)
269.57 *10*	0.52 *4*	^{197}Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
269.6 *4*	1.3 *3*	^{116}Cs(3.84 s)	393.5(<0.09), 524.3(76), 615.1(30.4)
269.6 *3*	4.30 *14*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
269.6 *2*	0.0019 *4*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
269.67 *7*	6.43 *12*	^{101}Pd(8.47 h)	296.29(19), 590.44(12.06), 24.46(3.90)
269.76 *13*	0.38 *6*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
269.8	0.29	^{83}Zr(44 s)	55.55(8), 104.97(5.70), 475.1(5.1)
269.8	0.0017 *6*	^{96}Tc(51.5 m)	778.224(1.9), 1200.231(1.08), 480.705(0.311)
269.8 *5*	0.59 *15*	^{113}Te(1.7 m)	814.4(22), 1018.1(13.0), 1181.0(12.3)
269.8 *2*	†26 *3*	^{135}Pm(49 s)	198.5(†100), 207.2(†70), 463.5(†62)
• 269.83	0.0072 *8*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
269.84 *5*	0.84 *17*	^{193}Au(17.65 h)	186.17(10.1), 255.57(6.7), 268.22(3.9)
• 269.86 *6*	0.0081 *8*	^{152}Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
• 270.0 *5*	0.13 *3*	^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
270.0 *2*	0.094 *11*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
• 270	0.2	^{251}Cf(898 y)	176.6(17.7), 227.0(6.3), 285.0(1.4)
• 270.028 *8*	1.93 *4*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
270.068 *11*	27.8 *9*	^{204}Po(3.53 h)	883.984(29.9), 1016.31(24.1), 534.90(13.2)
270.07 *5*	56	^{106}Tc(35.6 s)	2239.30(13.6), 1969.40(8.9), 2789.30(7.9)
270.07 *3*	1.02 *3*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
270.09 *10*	0.60 *5*	^{103}Tc(54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
270.10 *20*	0.4 *3*	^{102}Zr(2.9 s)	599.60(13.9), 535.30(10.6), 64.50(8.9)
270.10 *20*	0.14 *3*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
270.1 *2*	†7.1 *6*	^{166}W(18.8 s)	125.8(†310), 224.6(†24.0), 172.5(†17.8)
270.1	†0.6 *2*	^{178}Ir(12 s)	266.1(†100.0), 131.6(†79), 363.1(†39.9)
270.1 *2*	†10.4 *11*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
270.1 *4*	†12	^{238}Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
270.166 *7*	10.7 *3*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 654.831(8.0)
270.2 *4*	0.0034 *11*	^{75}Ge(82.78 m)	264.6584(11), 198.6031(1.19), 468.8(0.223)
270.2 *2*	21.1 *23*	^{76}Kr(14.8 h)	315.7(39), 45.48(19.5), 406.5(12.1)
270.2 *2*	1.66 *13*	^{121}Cs(155 s)	153.9(15.2), 239.6(7.7), 427.1(3.63)
270.2 *2*	0.52 *8*	^{121}Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
270.2 *3*	0.21 *5*	^{136}I(83.4 s)	1313.02(67), 1321.08(24.8), 2289.6(10.4)
270.2 *1*	0.17 *4*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
270.2	>0.026	^{197}Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
270.22 *7*	†0.26 *5*	^{158}Ho(11.3 m)	218.21(†100.0), 98.91(†70), 945.7(†37)
270.243 *4*	3.43 *8*	^{228}Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
270.243 *4*	2.19 *11*	^{228}Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
• 270.243 *4*	0.00316 *5*	^{232}U(68.9 y)	57.762(0.200), 129.065(0.0686), 327.995(0.00282)
270.25 *12*	1.46 *15*	^{148}Ba(0.607 s)	56.08(29.20), 133.53(3.88), 415.78(3.59)
270.25	12.6 *22*	^{175}W(35.2 m)	166.69(9.0), 149.17(3.6), 121.16(1.8)
270.3 *1*	0.59 *5*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
• 270.352 *5*	0.2127 *24*	^{129}Cs(32.06 h)	371.918(30.60), 411.490(22.31), 548.945(3.40)
270.37 *15*	0.257 *20*	^{100}Cd(49.1 s)	936.55(66), 139.71(6.7), 582.5(6.3)
270.37 *6*	0.0046 *3*	^{129}Te(69.6 m)	27.81(16.3), 459.60(7.70), 487.39(1.42)
270.4 *4*	0.65 *18*	^{136}Sm(47 s)	114.4(36), 747.7(5.4), 485.3(5.0)
• 270.4031 *20*	80 *5*	^{182}Hf(9×10^6 y)	156.088(7.0), 114.3152(2.6), 172.5708(0.20)
• 270.48 *30*	0.0026 *7*	^{145}Eu(5.93 d)	893.73(66), 653.512(15.0), 1658.53(14.9)
270.5 *3*	0.076 *10*	^{83}Y(7.08 m)	35.50(0.44), 882.1(6.30), 489.90(5.53)
270.52 *4*	2.07 *11*	^{194}Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
270.53 *4*	0.118 *25*	^{119}Te(16.03 h)	644.01(84), 699.85(10.1), 1749.65(3.95)
• 270.53 *4*	28.0 *4*	^{119}Te(4.70 d)	153.59(66), 1212.73(66), 1136.75(7.66)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
270.55 *10*	†10 *3*	^{152}Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
• 270.56 *4*	0.0095 *10*	^{189}Re(24.3 h)	216.663(5.50), 219.395(4.54), 245.09(3.5)
• 270.60 *5*	0.107 *4*	^{125}Sn(9.64 d)	1067.10(10), 1089.15(4.59), 822.48(4.28)
270.6 *2*	†72 *4*	^{153}Ho(9.3 m)	108.7(†100), 365.9(†92), 161.5(†83)
270.6 *2*	0.7	^{153}Ho(2.0 m)	295.8(67), 637.0(5.36), 688.5(3.7)
270.60 *5*	0.70 *14*	^{157}Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
270.6 *1*	0.047 *8*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
• 270.63 *15*	†6.4×10^3 *20*	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^9), 33.195(†6000×10^8)
270.7 *2*	0.074 *25*	^{129}La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
270.7 *3*	0.038 *9*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
• 270.7 *5*	†2.4 *8*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
• 270.72 *3*	0.068 *7*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
• 270.758 *3*	0.0020 *13*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
270.81 *20*	0.6	^{113}Pd(93 s)	95.74(3.3), 643.7(3.0), 739.63(2.4)
• 270.844 *4*	0.0083 *5*	^{77}As(38.83 h)	238.996(1.6), 520.639(0.558), 249.786(0.394)
• 270.844 *4*	0.321 *12*	^{77}Br(57.036 h)	238.996(23), 520.639(22.4), 297.215(4.16)
270.86 *19*	0.063 *14*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
270.87 *5*	0.87 *4*	^{161}Gd(3.66 m)	360.94(0.59), 314.92(22.7), 102.315(13.9)
270.89 *3*	0.36 *3*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
270.9 *3*	0.10 *5*	^{127}In(1.09 s)	1597.7(49), 646.1(6.2), 805.1(5.6)
270.9 *3*	1.33 *7*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
271.0 *10*	0.018 *6*	^{99}Rh(4.7 h)	340.71(70), 617.8(12.0), 1261.2(11)
271.0 *3*	6.3 *11*	^{118}Pd(1.9 s)	125.4(34), 125.4(34), 224.2(20.1)
271.0 *3*	2.3 *5*	^{118}Pd(1.9 s)	125.4(34), 125.4(34), 224.2(20.1)
271.00 *20*	0.19 *3*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
271.0 *3*	0.00032 *4*	^{255}Fm(20.07 h)	81.477(0.81), 58.477(0.67), 80.92(0.27)
271.02 *9*	3.98 *13*	^{177}W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
271.056 *9*	1.21 *7*	^{155}Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
271.1 *1*	4.3 *3*	^{117}Cs(8.4 s)	204.8(15.0), 29.7(9.9), 205.6(6.8)
271.1 *2*	0.41 *12*	^{119}Ag(2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
271.1	†2.7	^{144}Gd(4.5 m)	333.3(†100), 2432.6(†94.8), 629.5(†32.4)
271.1 *2*	0.0049 *25*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
271.135 *8*	0.076 *3*	^{152}Eu(9.274 h)	344.281(2.44), 1314.67(0.956), 970.38(0.604)
• 271.135 *8*	0.0730 *21*	^{152}Eu(13.542 y)	344.281(26.58), 778.91(12.96), 411.115(2.231)
271.135 *8*	†203 *14*	^{152}Tb(17.5 h)	344.281(†1500), 586.294(†223), 778.91(†137)
271.135 *8*	0.08 *5*	^{152}Tb(4.2 m)	344.281(20.8), 411.115(18.8), 471.9(12.2)
271.15 *10*	†19.8 *10*	^{165}Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
271.2	†100 *5*	^{101}Rb(32 ms)	251.6(†31), 1091.8(†25), 1362.9(†14)
271.2 *1*	0.23 *7*	^{107}Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
271.2 *1*	0.012 *4*	^{161}Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
271.23 *1*	†5.5 *5*	^{215}Bi(7.6 m)	293.54(†100), 517.63(†1.9), 833(†1.4)
271.23 *1*	10.8 *3*	^{219}Rn(3.96 s)	401.81(6.37), 130.59(0.119), 293.54(0.073)
271.30 *10*	5.1 *7*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 220.18(4.60)
271.3 *1*	5.7 *3*	^{240}Np(61.9 m)	566.34(25.3), 973.9(23.8), 600.57(18.4)
271.31 *7*	1.56 *24*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
271.4 *3*	6.4 *26*	^{49}Mn(384 ms)	
271.4 *1*	0.031 *6*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
271.45 *17*	†31 *6*	^{187}Hg(1.9 m)	233.38(†100), 376.34(†38), 240.26(†33)
• 271.48 *8*	0.328 *12*	^{233}Pa(26.967 d)	312.17(38.6), 300.34(6.62), 340.81(4.47)
271.48 *8*	0.0059 *3*	^{233}Np(36.2 m)	312.17(0.7), 298.89(0.44), 546.9(0.280)
271.5 *4*	0.12 *4*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
271.5 *2*	0.67 *10*	^{148}Ce(56 s)	269.519(17.0), 291.724(16.7), 121.169(13.2)
271.5 *2*	†2.9×10^3 *4*	^{158}Er(2.29 h)	71.91(†23300), 386.84(†111000), 248.58(†42000)
271.5 *6*	0.14	^{203}Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 271.56 *5*	0.026 *4*	^{188}Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
271.58 *9*	0.0130 *22*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
271.6 *2*	4.3 *4*	^{76}Kr(14.8 h)	315.7(39), 270.2(21.1), 45.48(19.5)
271.6 *5*	8	^{124}Ba(11.9 m)	169.3(20), 1216(12), 188.98(10)
271.60 *15*	†12 *2*	^{131}Ce(10.3 m)	169.42(†100), 414.25(†68), 119.18(†44)
• 271.63 *16*	0.82 *3*	^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
271.64 *2*	2.52 *17*	^{191}Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
271.7 *7*	0.05 *3*	^{97}Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
271.7 *4*	0.151 *13*	^{99}Nb(2.6 m)	97.785(7), 253.50(3.64), 2641.3(3.64)
271.80 *2*	30.1 *9*	^{88}Nb(14.5 m)	1082.53(103), 1057.01(100), 671.20(64)
271.8 *3*	0.144 *18*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
271.8 *4*	†0.7 *3*	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
• 271.8 *4*	2.6	^{253}Fm(3.00 d)	144.99(0.192), 62.47(0.16), 405(0.08)
271.9 *1*	2.5 *3*	^{135}Nd(12.4 m)	204.02(52), 41.43(23), 441.2(14.9)
271.9 *1*	0.40 *5*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
271.9 *1*	†7.1 *3*	^{201}Po(8.9 m)	967.4(†100.0), 964.3(†85), 411.9(†33.0)
271.94 *3*	84	^{143}Gd(112 s)	588.00(15.7), 798.89(10.7), 668.10(9.7)
272.0 *10*	0.18 *9*	^{104}Tc(18.3 m)	358.0(89), 530.5(15.6), 535.1(14.7)
272.0 *2*	0.166 *16*	^{111}Pd(5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)
• 272.0		^{191}Pt(2.9 d)	538.90(13.7), 409.44(8.0), 359.90(6.0)
272.0 *10*		^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
272.05 *10*	0.072 *4*	^{85}Br(2.90 m)	802.41(2.56), 924.63(1.63), 919.06(0.65)
• 272.053 *10*	0.028 *9*	^{169}Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
272.07 *10*	0.75 *10*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
272.1 *1*	0.11 *4*	^{109}Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
272.10 *5*	0.64 *6*	^{143}Sm(8.83 m)	1056.58(4), 1514.98(1.39), 1173.18(0.88)
272.1 *2*	0.0027 *8*	^{167}Yb(17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
272.1 *4*	†0.18 *5*	^{184}Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
• 272.105 *15*	21.2 *3*	^{173}Lu(1.37 y)	78.63(11.87), 100.724(5.24), 171.393(2.90)
• 272.112 *6*	0.035 *17*	^{200}Tl(26.1 h)	367.943(87), 1205.717(29.9), 579.298(13.8)
272.17 *8*	†9.0×10^3 *9*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
272.181 *2*	2.5 *3*	^{231}Ac(7.5 m)	282.471(39.0), 307.063(30.4), 221.399(16.8)
272.2 *5*	1.64 *20*	^{166}Lu(2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
• 272.2 *3*	0.012 *3*	^{245}Bk(4.94 d)	252.80(29.1), 380.8(2.40), 385.0(0.57)
• 272.21 *14*	0.00013 *9*	^{149}Eu(93.1 d)	327.526(4.03), 277.089(3.56), 22.510(2.32)
272.22 *2*	0.71 *13*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
272.28 *5*	1.08 *10*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
• 272.321 *8*	3.21 *8*	^{149}Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
• 272.34 *5*	5.7×10^{-5} *9*	^{233}U(1.592×10^5 y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
272.40 *16*	0.23 *3*	^{97}Zr(16.91 h)	743.36(93), 507.64(5.03), 1147.97(2.61)
272.4 *8*	0.08 *3*	^{116}In(54.41 m)	1293.54(84.4), 1097.3(56.2), 416.86(28.9)
272.4 *1*	7.6 *9*	^{140}Gd(15.8 s)	174.8(76), 749.9(70), 379.0(38)
• 272.40 *15*	0.0092 *9*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
272.4		^{194}Bi(125 s)	63.9, 112.2
272.41 *4*	0.0104 *10*	^{152}Eu(9.274 h)	841.586(14.6), 963.37(12.01), 121.7824(7.21)
272.42 *7*	1.42 *7*	^{89}Rb(15.15 m)	1031.94(58), 1248.19(42.6), 2196.02(13.3)
272.43 *23*	0.32 *8*	^{151}Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
• 272.498 *17*	0.0578 *11*	^{131}I(8.02070 d)	364.489(81.7), 636.989(7.17), 284.305(6.14)
272.55 *9*	0.251 *23*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
272.6 *6*	0.26 *4*	^{91}Sr(9.63 h)	1024.3(33), 749.8(23.61), 652.9(8.0)
272.6 *1*	0.37 *3*	^{200}Po(11.5 m)	671.0(34.0), 617.7(19.7), 434.4(9.3)
272.646 *29*	3.5 *5*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
272.656 *90*	4.28 *13*	^{143}Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
• 272.66 *16*	0.058 *19*	^{169}Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
272.7 *4*	†41 *4*	^{88}Se(1.52 s)	159.2(†100), 259.2(†82), 1903.7(†64)
272.7 *4*	0.12 *3*	^{139}Pm(4.15 m)	402.8(15), 463.1(4.1), 367.8(3.52)
272.7	†>0.47	^{171}Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
272.75 *3*	45.5 *6*	^{108}Sn(10.30 m)	396.44(64.3), 669.08(22.6), 168.62(19.9)
272.76 *2*	0.060 *12*	^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
272.82 *3*	0.061 *20*	^{150}Pm(2.68 h)	333.971(68), 1324.51(17.5), 1165.739(15.8)
• 272.82 *3*	0.038 *5*	^{150}Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
• 272.848 *3*	0.077 *4*	^{239}Np(2.3565 d)	106.125(27.2), 277.599(14.38), 228.183(10.76)
272.848 *3*	0.064 *5*	^{239}Am(11.9 h)	277.599(15.0), 228.183(11.3), 209.753(3.50)
• 272.848 *3*	0.080 *10*	^{243}Cm(29.1 y)	277.599(14.0), 228.183(10.6), 209.753(3.29)
• 272.876 *2*	0.089 *4*	^{168}Tm(93.1 d)	198.241(52.39), 815.990(48.99), 447.515(23.05)
• 272.9 *2*	>0.009	^{143}Ce(33.039 h)	293.266(42.80), 57.356(11.7), 664.571(5.69)
272.9 *3*	0.27 *6*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
272.9 *4*	†5.5 *6*	^{172}W(6.6 m)	38.9(†100), 423.3(†44), 89.8(†33.0)
272.918 *6*	86 *3*	^{174}Tm(5.4 m)	366.526(92), 992.128(87), 176.645(66.2)
• 272.918 *6*	0.550 *17*	^{174}Lu(142 d)	992.128(0.546), 176.645(0.470), 76.471(0.0638)
272.93 *9*	0.0045 *9*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 272.93 *9*	†32 *5*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
272.97 *4*	10.4 *4*	^{66}Ge(2.26 h)	43.89(28.7), 381.85(28), 108.85(10.4)
272.98 *8*	40 *4*	^{184}Au(53.0 s)	162.97(50), 362.47(17.5), 777.13(6.6)
272.99 *9*	0.023 *5*	^{183}Os(13.0 h)	381.768(89.6), 114.463(20.63), 167.844(8.81)
273.0 *10*	0.071 *15*	^{93}Y(10.18 h)	266.9(7.3), 947.1(2.09), 1917.8(1.55)
273.0 *3*	0.5 *1*	^{97}Sr(426 ms)	1905.0(25), 953.8(21.4), 652.2(11.4)
273.0 *2*	0.100 *18*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
273.1 *2*	0.54 *7*	^{75}Kr(4.3 m)	132.43(67), 154.66(20.8), 153.15(8.0)
273.1 *2*	0.05 *3*	^{97}Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
273.1 *3*	†2.1 *4*	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
• 273.14 *16*	0.0021 *5*	^{147}Eu(24.1 d)	197.299(27), 121.220(22.9), 677.516(9.8)
273.14 *5*	0.9	^{227}Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
• 273.14 *5*	0.0597 *22*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
273.2 *3*	0.17 *3*	^{121}Cs(155 s)	153.9(15.2), 239.6(7.7), 427.1(3.63)
273.2 *3*	0.10 *3*	^{121}Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
273.2 *10*	0.022 *5*	^{201}Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
273.23 *16*	†100 *5*	^{182}Ir(15 m)	126.79(†77), 236.3(†21.0), 912.02(†20.3)
273.24 *4*	0.18 *8*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
273.3 *1*	0.76 *5*	^{237}Am(73.0 m)	280.23(47.3), 438.4(8.3), 473.5(4.3)
273.349 *18*	28	^{117}Cd(2.49 h)	1303.27(18.4), 344.459(17.9), 1576.62(11.19)
273.349 *18*		^{117}Cd(3.36 h)	1997.33(26), 1065.98(23.1), 564.397(14.7)
273.39 *20*	1.2 *2*	^{200}Bi(36.4 m)	1026.5(100), 462.34(98), 419.70(91)
273.39 *20*	†>0.5	^{200}Bi(31 m)	1026.5(†110), 462.34(†45.7), 419.70(†26.0)
273.4 *4*	10.9 *13*	^{60}Zn(2.38 m)	670.3(64), 61.4(26), 334.4(9.0)
273.4 *2*	0.25 *7*	^{108}Tc(5.17 s)	242.25(82), 465.6(14.3), 707.81(11.4)
273.4 *2*	0.038 *4*	^{113}Sb(6.67 m)	497.96(80), 332.41(14.8), 88.25(2.7)
273.4 *3*	†0.36 *1*	^{120}Cs(64 s)	322.4(†100), 473.5(†30), 553.4(†19.1)
• 273.44 *1*	15	^{128}Ba(2.43 d)	374.99(0.309), 229.50(0.106), 359.10(0.096)
• 273.480 *8*	0.802 *25*	^{82}Br(35.30 h)	776.517(83.5), 554.348(70.8), 619.106(43.4)
273.480 *8*	1.04 *6*	^{82}Rb(6.472 h)	776.517(84), 554.348(62.4), 619.106(37.976)
273.5 *3*		^{122}Ba(1.95 m)	550.7, 388.7, 231.0
273.5	0.08 *4*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
273.5		^{182}Hg(10.83 s)	129.3(†100), 217.7(†75), 413.5(†53)
273.5 *3*	0.49 *22*	^{221}Rn(25 m)	186.38(21.6), 150.04(4.5), 216.90(2.6)
• 273.5 *3*		^{225}Ac(10.0 d)	99.91(1.01), 150.04(0.80), 99.63(0.62)
273.6 *2*	0.02	^{113}Pd(93 s)	95.74(3.3), 643.7(3.0), 739.63(2.4)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
273.6 *5*	0.044 *9*	^{137}Pr(1.28 h)	836.7(1.8), 433.9(1.28), 514.0(1.08)
273.6	0.0007 *3*	^{159}Gd(18.479 h)	363.55(11.4), 58.00(2.15), 348.16(0.234)
• 273.646 *8*	†11.1 *4*	^{136}Cs(13.16 d)	818.514(†100), 1048.073(†80), 340.547(†42.3)
273.7 *2*	0.4 *1*	^{129}Sn(2.23 m)	645.13(100), 80.5(6.6), 913.2(5.0)
273.7 *2*	37	^{139}Sm(2.57 m)	306.7(28.5), 596.3(8.0), 782.0(6.9)
• 273.7 *6*	0.053 *16*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
273.7 *4*	0.172 *22*	^{214}Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
273.77 *5*	5.4 *3*	^{148}Ce(56 s)	269.519(17.0), 291.724(16.7), 121.169(13.2)
273.77 *29*	†2.5	^{197}Ir(5.8 m)	469.72(†100), 430.56(†61), 815.92(†45)
273.8 *5*	1.2 *2*	^{142}Eu(1.22 m)	768.1(100), 1023.3(92.0), 556.6(86.6)
273.8 *2*	†643 *67*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
273.9 *3*	†1.3 *6*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
273.9 *2*	†1.1 *2*	^{155}Tm(21.6 s)	226.8(†100), 531.7(†20), 88.1(†17)
273.93 *9*	0.37 *5*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
273.96 *20*	0.10	^{154}Pm(1.73 m)	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
273.96 *20*	0.27	^{154}Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
273.97 *7*	6.75 *25*	^{186}Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
274.0 *6*	†29 *12*	^{118}Xe(6 m)	53.5(†100), 60.0(†82), 119.9(†76)
• 274.0 *5*	0.00391 *18*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
274.0 *3*	†36 *8*	^{156}Nd(5.47 s)	150.4(†100), 157.3(†78), 84.6(†63)
274.0 *3*	†5.4 *7*	^{198}Tl(1.87 h)	636.4(†202), 411.8044(†202), 587.2(†185)
274.0 *2*	0.050 *10*	^{223}Ac(2.10 m)	98.58(0.891), 191.3(0.58), 83.55(0.57)
274	†1.5	^{224}Ac(2.9 h)	156.4(†100), 140.8(†55), 261.6(†28)
• 274.02 *5*	0.0083 *17*	^{189}Re(24.3 h)	216.663(5.50), 219.395(4.54), 245.09(3.5)
274.04 *4*	0.43 *4*	^{184}Ta(8.7 h)	414.03(72), 252.848(43), 920.932(32.0)
• 274.15 *4*	0.00003 *1*	^{231}Th(25.52 h)	25.646(14.5), 84.216(6.6), 89.944(0.94)
274.16 *2*	2.3 *5*	^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
274.2 *2*	0.5	^{104}Zr(1.2 s)	100.9(6), 504.7(5), 445.0(5)
274.2 *4*	†5 *2*	^{112}Te(2.0 m)	372.70(†100), 296.20(†86), 418.9(†57)
274.2 *1*	>2.4	^{131}Sb(23.03 m)	943.4(47), 933.1(26.1), 642.30(23)
274.2 *2*	0.0055 *3*	^{159}Gd(18.479 h)	363.55(11.4), 58.00(2.15), 348.16(0.234)
274.2 *5*	13 *3*	^{191}Hg(50.8 m)	252.5(57), 420.1(18.6), 578.6(17.6)
274.2 *2*	0.11 *4*	^{242}U(16.8 m)	67.60(9.6), 55.58(3.90), 585.0(1.92)
274.21 *10*	3.0 *5*	^{190}Pb(1.2 m)	942.20(34), 151.19(8.92), 598.3(8.0)
274.25 *10*	0.0033 *11*	^{230}Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
• 274.25 *10*	0.10 *3*	^{230}Pa(17.4 d)	951.95(1.65), 918.48(8.2), 454.95(6.27)
274.3 *2*	1.15 *15*	^{105}Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
274.3 *1*	0.91 *11*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
274.30 *15*	0.22 *3*	^{163}Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
274.321 *10*	1.81 *7*	^{182}Os(22.10 h)	510.056(52), 180.230(33.5), 263.285(6.71)
274.328 *7*	0.11 *5*	^{109}Rh(80 s)	326.868(54), 426.135(7.7), 178.034(7.6)
274.39 *14*	†13.5 *13*	^{193}Tl(21.6 m)	324.37(†100), 1044.7(†59), 676.10(†48)
274.4 *1*	20.4 *10*	^{117}I(2.22 m)	325.9(75), 661.5(5.1), 684.0(3.23)
274.4	†8.3	^{144}Gd(4.5 m)	333.3(†100), 2432.6(†94.8), 629.5(†32.4)
274.41 *4*	10.0 *6*	^{166}Lu(2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
274.41 *2*	0.205 *18*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
274.50 *11*	0.36 *4*	^{197}Pb(43 m)	385.85(74), 387.72(25.1), 222.45(24.6)
274.53 *5*	0.35 *10*	^{214}Pb(26.8 m)	351.921(35.8), 295.213(18.5), 241.981(7.50)
274.6 *2*	†0.9 *3*	^{230}Ra(93 m)	72.0(†100), 63.0(†35.4), 202.8(†27.3)
274.673 *15*	3.1 *6*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
274.673 *15*	2.00 *22*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
274.68 *15*	>0.007	^{131}Te(25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
274.7 *2*	1.03 *3*	^{91}Sr(9.63 h)	1024.3(33), 749.8(23.61), 652.9(8.0)
274.7 *1*	1.68 *16*	^{101}Ag(11.1 m)	261.0(53), 588.0(10.0), 667.3(9.8)

Energy-ordered Decay γ-ray Tables from the *Table of Isotopes*

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
274.7 *3*	†1.6 *4*	^{105}Nb(2.95 s)	94.8(†100), 246.9(†79), 309.9(†41.9)
274.728 *10*	†1.7 *8*	^{229}Ac(62.7 m)	164.522(†100), 569.1(†91), 261.92(†39)
• 274.728 *10*	0.00040 *6*	^{233}U(1.592×10^5 y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
274.8 *1*	0.27 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
274.8 *3*	50.4 *20*	^{192}Hg(4.85 h)	157.2(7), 306.5(5.4), 186.4(3.3)
274.82 *19*	†<2.1	^{182}Au(21 s)	154.76(†100), 264.33(†40.0), 855.41(†14.5)
274.84 *7*	0.133 *20*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
274.9 *3*	1.9 *7*	^{150}Tb(5.8 m)	638.05(100), 650.4(70), 438.37(42)
274.9 *1*	0.28 *5*	^{206}Fr(15.9 s)	575.3(12), 559.0(8.19), 628.6(3.6)
274.91 *10*	2.03 *15*	^{121}Cd(13.5 s)	324.976(49.5), 1040.26(16.8), 349.937(12.9)
274.93 *21*	0.090 *11*	^{101}Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
275		^{115}I(1.3 m)	709, 460, 284
275.0 *1*	0.029 *4*	^{119}I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
275	0.048	^{175}Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
275.00 *15*	0.128 *12*	^{192}Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
275.04 *10*	0.093 *21*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
275.04 *10*		^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
275.04 *10*	†310 *60*	^{234}Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
275.1 *1*	2.70 *22*	^{73}Br(3.4 m)	64.9(37.0), 336.0(10.4), 699.8(9.1)
275.1 *2*	0.106 *23*	^{79}Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
• 275.1 *2*		^{247}Cm(1.56×10^7 y)	402.6(72), 278.0(3.4), 287.4(2.0)
275.125 *8*	2.68 *7*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
275.129 *2*	>0.31	^{231}Ac(7.5 m)	282.471(39.0), 307.063(30.4), 221.399(16.8)
• 275.129 *2*	0.042 *5*	^{235}U(7.038×10^8 y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
• 275.18 *18*	0.00037 *15*	^{140}Ba(12.752 d)	537.261(24.39), 29.9640(14.1), 162.660(6.21)
• 275.21 *2*	6.8 *5*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 717.72(4.05)
• 275.22 *10*	0.24 *5*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
275.25 *9*	0.66 *14*	^{75}Zn(10.2 s)	228.67(28.9), 432.29(20.2), 155.94(17.2)
275.3 *10*		^{76}Zn(5.7 s)	281.7, 1030.6, 831.2
275.3 *8*	0.8 *4*	^{78}Zn(1.47 s)	224.75(43.9), 181.68(28.1), 860.30(24.5)
275.3 *2*	†6	^{256}Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
275.32 *5*	0.022 *4*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
• 275.374 *15*	0.80 *5*	^{147}Nd(10.98 d)	91.105(28), 531.016(13.1), 319.411(1.95)
• 275.38 *8*	0.0030 *13*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
275.4 *3*	†100.0 *4*	^{111}Rh(11 s)	411.8(†9.42), 230.0(†8.9), 789.0(†3.8)
• 275.40 *20*	0.0045 *5*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
275.4 *4*	0.13 *6*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
275.4	0.27 *5*	^{198}Pb(2.40 h)	290.3(36), 365.4(19), 173.4(18)
• 275.428 *4*	0.007 *2*	^{235}U(7.038×10^8 y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
275.437 *11*	0.650 *16*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
• 275.452 *15*	0.0336 *10*	^{152}Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
275.48 *5*	0.260 *21*	^{107}Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
275.5 *3*		^{187}Pb(15.2 s)	208.0, 67.4
275.50 *3*	0.0021 *6*	^{187}W(23.72 h)	685.774(27.3), 479.531(21.8), 72.001(11.14)
275.5 *7*	0.53 *5*	^{201}Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
275.52 *3*	0.25 *3*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
275.53 *7*	0.16 *3*	^{165}Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
275.59 *11*	2.05 *20*	^{206}At(30.0 m)	700.66(98), 477.10(86), 395.54(48)
275.595 *15*	0.81 *17*	^{162}Ho(67.0 m)	185.005(28.6), 1220.0(22.5), 282.864(11.3)
275.6 *3*	0.058 *14*	^{150}Tb(3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)
275.6 *2*	0.32 *5*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
275.61 *6*	0.040 *6*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
• 275.7	0.21	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
275.70 *20*	0.039	^{165}Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 275.77 *8*	†6.6×10^4 *4*	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^9), 33.195(†6000×10^8)
275.8 *10*	0.07	^{115}Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
275.8 *3*	1.70 *18*	^{118}Ag(2.0 s)	487.77(57), 677.13(53), 1058.39(14.8)
275.90 *25*	0.35 *8*	^{209}Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
• 275.904 *22*	0.308 *17*	^{189}Re(24.3 h)	216.663(5.50), 219.395(4.54), 245.09(3.5)
• 275.904 *22*	0.54 *3*	^{189}Ir(13.2 d)	245.09(6), 69.537(3.5), 59.053(1.20)
275.925 *7*		^{133}La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
275.988 *12*	0.7	^{81}Se(18.45 m)	290.03(0.55), 828.27(0.280), 566.04(0.220)
275.988 *12*	0.049 *13*	^{81}Se(57.28 m)	260.21(0.048), 767.1(0.00061), 491.30(0.000089)
• 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(81), 146.59(37.3), 312.0(3.7)
276.0 *2*	4 *1*	^{132}Sb(4.10 m)	696.8(100), 973.9(100), 150.6(66)
276.00 *25*	0.90	^{154}Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
276.0 *1*	0.100 *12*	^{161}Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
276	†25	^{173}Os(16 s)	177(†100), 187(†50), 285(†30)
276		^{238}Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
276.05 *3*	0.99 *3*	^{157}Sm(482 s)	197.870(56.00), 196.461(16.8), 394.351(11.93)
276.05 *12*	0.037 *9*	^{187}Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
276.10 *4*	†100 *6*	^{101}Nb(7.1 s)	157.466(†32), 13.5(†32), 441.01(†22)
276.1 *2*	†2.8 *8*	^{131}Ce(10.3 m)	169.42(†100), 414.25(†68), 119.18(†44)
276.1	0.25 *13*	^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)
276.1 *1*	0.32 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
276.11 *13*	0.64 *16*	^{181}Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
276.28 *4*	13.7 *8*	^{166}Lu(2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
276.296 *5*	2.16 *16*	^{109}Rh(80 s)	326.868(54), 426.135(7.7), 178.034(7.6)
276.3 *5*	0.29 *7*	^{136}Sm(47 s)	114.4(36), 747.7(5.4), 485.3(5.0)
276.3 *1*	0.64 *10*	^{137}Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
• 276.311 *22*	8.7 *5*	^{182}Re(64.0 h)	229.3220(26), 67.75001(22.2), 1121.3007(22.0)
• 276.398 *2*	7.164 *22*	^{133}Ba(10.52 y)	356.017(62.05), 80.997(34.06), 302.853(18.33)
276.4 *3*	1.45 *17*	^{99}Y(1.470 s)	121.761(33), 724.30(14.9), 536.2(6.6)
276.4 *3*	56 *3*	^{180}Ir(1.5 m)	132.2(38.1), 699.0(13.4), 870.4(11.2)
276.5 *3*	0.030 *15*	^{131}La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
276.5 *5*	0.21 *3*	^{136}Pr(13.1 m)	552.16(76), 539.75(52), 1092.3(18.5)
276.5 *5*	0.10 *3*	^{150}Pm(2.68 h)	333.971(68), 1324.51(17.5), 1165.739(15.8)
276.5	0.18	^{185}Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
276.5 *1*	0.132 *13*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
276.5 *1*		^{212}Bi(25.0 m)	120.9, 223.0, 405.2
276.56 *4*	0.73 *17*	^{133}Sb(2.5 m)	1096.22(43.0), 817.8(18.5), 2755(12.5)
276.59 *6*	0.67 *17*	^{186}Ir(2.0 h)	137.155(27), 767.508(21.2), 630.354(18.0)
276.6 *2*	†2.9 *3*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
276.60 *8*	1.59 *8*	^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
276.61 *23*	†3.7 *8*	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
276.64 *9*	0.12	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
276.7	0.9	^{133}Pr(6.5 m)	134.3(14), 74.0(10), 315.6(10)
276.7 *6*	0	^{186}Pt(2.0 h)	611.5(6.0), 635.6(>3.8), 366.7(2.3)
276.7	>0.013	^{197}Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
276.71 *2*	†1.07 *6*	^{153}Pm(5.4 m)	35.842(†100), 127.298(†75), 28.309(†34.6)
276.73 *11*	0.08 *4*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
276.79 *17*	1.63 *10*	^{99}Rh(4.7 h)	340.71(70), 617.8(12.0), 1261.2(11)
276.8 *3*		^{122}Ba(1.95 m)	550.7, 388.7, 231.0
• 276.8 *1*	†20.2 *19*	^{258}Md(51.5 d)	367.8(†100), 447.9(†37), 71.1(†8.0)
276.81 *5*	0.038 *14*	^{155}Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
276.85 *10*	<0.07	^{16}C(0.747 s)	120.42(0.67), 298.22(<0.5), 397.27(<0.03)
276.86 *5*	0.041 *8*	^{157}Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
276.90 *6*	0.207 *20*	^{100}Sr(202 ms)	963.85(22.0), 898.50(18.9), 65.46(15.2)
276.9 *3*	0.23 *6*	^{125}Cd(0.57 s)	1027.53(25.8), 1173.16(25.1), 736.65(12.6)
276.9 *1*	†7.8×10^2 *22*	^{158}Er(2.29 h)	71.91(†23300), 386.84(†111000), 248.58(†42000)
276.948 *13*	23.4 *7*	^{141}Ba(18.27 m)	190.328(46.0), 304.194(25.4), 343.673(14.4)
276.95 *10*	†12.5 *19*	^{155}Nd(8.9 s)	180.574(†100), 418.99(†75), 955.08(†50)
276.960 *17*	0.342 *10*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
276.99 *10*	0.56 *6*	^{140}Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
277.0	0.17	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
277.0 *1*	0.026 *7*	^{173}Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
277.0 *4*	0.038 *9*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
277.0 *5*	0.017 *9*	^{245}Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
277.0 *2*	0.0020 *7*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
277.01 *7*	0.76 *12*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
277.03 *9*	1.25 *25*	^{186}Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
277.04 *6*	2.31	^{154}Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
• 277.089 *10*	0.0288 *12*	^{149}Pm(53.08 h)	285.95(3.1), 859.46(0.109), 590.88(0.069)
• 277.089 *10*	3.56 *6*	^{149}Eu(93.1 d)	327.526(4.03), 22.510(2.32), 254.566(0.636)
277.1 *10*	0.27 *9*	^{104}Tc(18.3 m)	358.0(89), 530.5(15.6), 535.1(14.7)
277.1 *3*	0.30 *6*	^{117}Cs(8.4 s)	204.8(15.0), 29.7(9.9), 205.6(6.8)
• 277.11 *4*	0.016 *3*	^{205}Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
277.12 *2*	0.424 *16*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
277.17 *13*	0.30 *6*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
277.26 *14*	0.16 *5*	^{181}Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
277.3 *3*	96	^{78}Ge(88.0 m)	293.9(4.0)
277.30 *20*	0.058 *9*	^{187}Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
277.3 *2*	†3.0	^{256}Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
• 277.32 *1*	0.069 *3*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
277.351 *10*	6.31 *9*	^{208}Tl(3.053 m)	2614.533(99), 583.191(84.5), 510.77(22.6)
277.37 *13*	0.58 *2*	^{171}Er(7.516 h)	308.31(64.4), 295.901(28.9), 111.621(20.5)
277.4 *5*	†0.6 *2*	^{126}Cd(0.506 s)	260.09(†100), 428.11(†83.7), 688.23(†5.9)
• 277.4 *1*	0.061 *14*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
277.4 *1*	2.6	^{227}Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
277.47 *5*	8.5 *6*	^{164}Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
• 277.48 *5*		^{229}Th(7340 y)	193.509(4.4), 210.853(2.8), 86.40(2.57)
277.5 *3*	0.37 *4*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
• 277.523 *5*	0.0323 *23*	^{77}Br(57.036 h)	238.996(23), 520.639(22.4), 297.215(4.16)
277.58 *20*	1.70 *12*	^{107}Rh(21.7 m)	302.77(66), 392.47(8.8), 312.21(4.8)
• 277.599 *1*	14.38 *21*	^{239}Np(2.3565 d)	106.125(27.2), 228.183(10.76), 209.753(3.42)
277.599 *1*	15.0 *7*	^{239}Am(11.9 h)	228.183(11.3), 209.753(3.50), 226.378(3.30)
• 277.599 *1*	14.0 *4*	^{243}Cm(29.1 y)	228.183(10.6), 209.753(3.29), 285.460(0.728)
• 277.6 *6*	0.009 *6*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
277.63 *10*	0.262 *19*	^{197}Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
• 277.655 *33*	0.0387 *18*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
277.7 *6*	†3	^{119}Xe(5.8 m)	231.8(†100), 98.5(†95), 461.5(†91)
277.72		^{208}Tl(3.053 m)	2614.533(99), 583.191(84.5), 510.77(22.6)
277.73 *20*	0.0057 *19*	^{166}Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
277.74 *8*	0.0108 *22*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
277.75 *20*	0.29 *12*	^{105}In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
277.85 *20*	0.35 *5*	^{177}W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
277.88 *2*	7.2 *5*	^{191}Au(3.18 h)	586.45(17), 674.19(6.8), 283.91(6.7)
277.90 *20*	0.61 *6*	^{91}Tc(3.14 m)	2450.90(13.5), 1639.90(9.2), 1605.20(7.77)
277.951 *8*	20.9 *9*	^{134}Te(41.8 m)	767.20(29.0), 210.465(22.3), 79.445(20.9)
278		^{82}Zr(32 s)	525, 397, 248
278.0 *2*	3	^{115}Rh(0.99 s)	127.9(64.6), 125.6(33.3), 296.5(17)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
278.00 *11*	0.55 *11*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
278.0	0.24	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
• 278.0 *1*	0.008 *3*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
278.0 *3*	0.9 *3*	^{152}Ho(49.5 s)	647.2(92), 613.8(88.4), 683.3(88)
278.00 *25*	0.44 *5*	^{156}Ho(56 m)	266.35(54.7), 137.83(51), 366.25(10.73)
278.0 *3*	0.42 *8*	^{160}Yb(4.8 m)	173.74(42.0), 215.78(20.2), 140.35(9.3)
278.0		^{167}Ta(1.4 m)	296.3, 214.2, 139.5
278	>0.13	^{228}Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
278.0 *2*	†<36	^{229}U(58 m)	122.51(†100), 88.43(†88), 198.83(†88)
• 278.0 *8*	3.4 *7*	^{247}Cm(1.56×10^7 y)	402.6(72), 287.4(2.0), 344.5(1.3)
• 278 *2*	0.03 *1*	^{254}Es(275.7 d)	63.0(2.0), 316(0.15), 304(0.07)
• 278.04 *15*	†4.4×10^3	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^9), 33.195(†6000×10^8)
278.1 *2*	†4.7 *8*	^{105}Nb(2.95 s)	94.8(†100), 246.9(†79), 309.9(†41.9)
278.1 *4*	1.22 *19*	^{122}Cs(4.5 m)	331.1(94), 497.1(79), 638.5(63)
278.1 *2*	†1.5 *3*	^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
278.111 *8*	†2.8 *10*	^{229}Ac(62.7 m)	164.522(†100), 569.1(†91), 261.92(†39)
• 278.111 *8*	0.00108 *17*	^{233}U(1.592×10^5 y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
278.16 *13*	0.205 *14*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
278.17 *2*	0.098 *5*	^{131}Te(25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
278.2		^{135}Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
278.22 *7*	0.9 *3*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
278.24 *5*	0.42	^{101}Cd(1.2 m)	98.0(47), 1722.5(11), 1259.3(8)
• 278.28 *2*	0.069 *3*	^{149}Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
278.29 *10*	†14.0 *21*	^{155}Nd(8.9 s)	180.574(†100), 418.99(†75), 955.08(†50)
• 278.3 *4*	0.00049 *15*	^{111}Ag(7.45 d)	342.118(7), 245.422(1.24), 96.73(0.20)
278.3 *4*	0.006	^{111}Ag(64.8 s)	245.422(0.50), 620.3(0.121), 171.28(0.12)
278.3 *3*	0.057 *11*	^{123}Cs(5.94 m)	97.3(23), 596.7(10.1), 83.3(4.1)
278.3 *3*	0.6 *1*	^{128}Sb(9.01 h)	753.82(100), 743.22(100), 314.12(61)
278.3	0.28	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
278.3 *5*	†1.9 *9*	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 234.0(†40.0)
278.3 *1*	0.041 *10*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
278.31 *20*	1.51 *18*	^{130}In(0.55 s)	1221.24(89), 774.37(46), 89.23(20.2)
278.31 *8*	1.09 *11*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
• 278.352 *14*	0.0517 *16*	^{147}Eu(24.1 d)	197.299(27), 121.220(22.9), 677.516(9.8)
278.36 *12*	0.0022 *4*	^{123}I(13.27 h)	158.97(83), 528.96(1.39), 440.02(0.428)
278.4 *4*	0.096 *12*	^{73}Zn(23.5 s)	218.1(6.00), 910.5(1.91), 495.6(1.48)
278.4 *5*	0.07 *5*	^{125}Sn(9.52 m)	332.10(97.2), 1404.0(0.70), 589.6(0.20)
278.4 *4*	0.039 *10*	^{132}I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
278.4 *5*	7.1 *9*	^{140}Gd(15.8 s)	174.8(76), 749.9(70), 379.0(38)
278.4 *6*	0.23 *12*	^{162}Ho(67.0 m)	185.005(28.6), 1220.0(22.5), 282.864(11.3)
278.43 *5*	0.567 *17*	^{129}Te(69.6 m)	27.81(16.3), 459.60(7.70), 487.39(1.42)
• 278.43 *5*	0.00058 *12*	^{129}Te(33.6 d)	695.88(2.988), 729.57(0.70), 556.65(0.118)
278.49 *8*	0.143 *17*	^{116}In(54.41 m)	1293.54(84.4), 1097.3(56.2), 416.86(28.9)
278.5 *2*	32	^{152}Nd(11.4 m)	250.1(21.8), 16.0(8.0), 294.6(3.8)
• 278.5	0.047	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
278.5 *10*	1.0 *3*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
278.53 *16*	†3.0 *10*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
• 278.56 *2*	2.33 *5*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
• 278.595 *5*	0.131 *9*	^{169}Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
278.6 *1*	25	^{129}La(11.6 m)	110.5(16.9), 457.0(8.0), 253.8(8.0)
• 278.6 *1*	0.0025 *25*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
• 278.614 *4*	1.32 *3*	^{129}Cs(32.06 h)	371.918(30.60), 411.490(22.31), 548.945(3.40)
• 278.65 *15*	0.037	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
278.70 *4*	0.096 *6*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
278.7 *3*		^{152}Eu(9.274 h)	841.586(14.6), 963.37(12.01), 121.7824(7.21)
278.7 *4*	0.0078	^{233}Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
• 278.8 *3*	2.4 *6*	^{126}Sb(12.46 d)	695.03(100), 666.331(100), 414.81(83.3)
278.80 *15*	0.153 *19*	^{134}I(52.6 m)	847.025(95.4), 884.090(64.9), 1072.547(15.0)
278.8 *3*	0.11	^{170}Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
278.80 *30*	0.13	^{207}At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
278.83 *10*	0.307 *24*	^{79}Ga(2.847 s)	464.79(24.2), 516.41(21.5), 1187.28(12.8)
278.835 *17*	2.50 *3*	^{133}La(3.912 h)	302.353(1.648), 290.06(1.413), 632.765(0.98)
278.87 *6*	0.128 *7*	^{121}I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
278.88 *5*	2.6 *3*	^{206}At(30.0 m)	700.66(98), 477.10(86), 395.54(48)
278.9 *3*	1.3 *3*	^{121}Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
278.90 *10*	0.81 *10*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
278.92 *9*	2.0 *4*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
278.95 *15*	0.043 *6*	^{158}Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
278.95 *5*	0.197 *13*	^{228}Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
278.95 *5*	0.046 *19*	^{228}Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
279.0 *2*	0.010 *3*	^{111}Pd(23.4 m)	580.00(0.8), 70.44(0.78), 1459.0(0.56)
279.0 *2*	0.49	^{140}Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
279.0 *1*	0.53 *3*	^{236}Pa(9.1 m)	642.35(37.0), 687.59(9.9), 1762.7(6.0)
279.01 *5*	2.4	^{197}Pt(95.41 m)	130.2(0.105), 201.6(0.034), 77.351(0.0111)
279.01 *5*	2000	^{197}Hg(23.8 h)	130.2(†89), 201.6(†29), 77.351(†9.4)
279.024 *10*	>0.0007	^{184}Ta(8.7 h)	414.03(72), 252.848(43), 920.932(32.0)
• 279.024 *10*	>0.0008	^{184}Re(169 d)	252.848(10.7), 216.548(9.43), 920.932(8.14)
279.029 *4*	0.0019 *5*	^{179}Lu(4.59 h)	214.335(11.3), 214.930(0.46), 123.3790(0.45)
279.07 *12*	0.140 *14*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
279.07 *13*	†6.2 *5*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
279.1 *2*	†<36	^{229}U(58 m)	122.51(†100), 88.43(†88), 198.83(†88)
279.12 *7*	1.93 *23*	^{132}Ce(3.51 h)	182.11(77), 155.37(10.5), 216.83(4.95)
279.19 *5*	3.7 *3*	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
• 279.1967 *12*	81	^{203}Hg(46.612 d)	
• 279.1967 *12*	81	^{203}Pb(51.873 h)	401.323(3.35), 680.516(0.753)
279.2 *4*	†60 *9*	^{171}Ho(53 s)	903.3(†100), 198.6(†88), 532.2(†58)
279.2 *3*	0.42 *6*	^{192}Hg(4.85 h)	274.8(50.4), 157.2(7), 306.5(5.4)
279.2 *7*	0.220 *22*	^{199}Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
279.20 *10*	1.11 *12*	^{209}Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
• 279.25 *10*	0.14 *4*	^{195}Hg(41.6 h)	261.75(30.9), 560.27(7), 387.87(2.15)
279.26 *4*	1.97 *13*	^{221}Rn(25 m)	186.38(21.6), 150.04(4.5), 216.90(2.6)
• 279.26 *4*	0.0185 *22*	^{225}Ac(10.0 d)	99.91(1.01), 150.04(0.80), 99.63(0.62)
• 279.264 *7*	0.600 *18*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
279.3 *2*	†2.9 *6*	^{75}Ga(126 s)	253.0(†100), 574.8(†31.6), 885.6(†11.1)
279.3 *3*		^{116}Pd(12.4 s)	569, 178.3, 215.8
279.3 *4*	0.58 *8*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
279.3 *3*	0.36 *5*	^{129}In(0.61 s)	2118.0(45), 1865.0(32), 769.3(9.1)
• 279.30 *5*	0.084 *4*	^{148}Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
• 279.379 *7*	0.186 *6*	^{71}As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
279.4 *1*	8.3 *4*	^{96}Sr(1.07 s)	122.297(76.50), 809.401(71.9), 931.7(11.8)
• 279.40 *15*	0.0211 *13*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
279.42 *9*	0.35 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
279.46 *2*	0.79 *10*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
279.48 *15*	0.26 *9*	^{133}Sb(2.5 m)	1096.22(43.0), 817.8(18.5), 2755(12.5)
279.50 *20*	0.055 *5*	^{112}Sb(51.4 s)	1257.05(96), 990.70(14.3), 670.0(3.7)
279.5 *1*	0.31 *4*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
279.5 *1*	3.93 *17*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
279.5 *3*	0.10 *4*	^{181}Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
• 279.50 *5*	0.27	^{235}U(7.038×10^{8} y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
279.5441 *13*	0.0057 *11*	^{75}Ge(82.78 m)	264.6584(11), 198.6031(1.19), 468.8(0.223)
279.5441 *13*	0.0043 *19*	^{75}Ge(47.7 s)	136.0008(0.020), 121.1166(0.0050), 400.6600(0.0039)
• 279.5441 *13*	24.79 *11*	^{75}Se(119.779 d)	264.6584(58.50), 136.0008(58.3), 121.1166(17.14)
279.55 *7*	†20 *2*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
279.6 *3*	0.38 *4*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
• 279.6		^{188}Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
• 279.640 *15*	0.00299 *14*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
• 279.65 *20*	0.002 *2*	^{237}Np(2.14×10^{6} y)	29.374(15.0), 86.477(12.4), 94.66(0.6)
• 279.717 *5*	0.0048 *12*	^{172}Tm(63.6 h)	78.7435(6.5), 1093.657(6.0), 1387.093(5.6)
• 279.717 *5*	1.19 *4*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
• 279.72 *9*	†4.1 *24*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
279.763 *12*	0.498 *25*	^{165}Dy(2.334 h)	94.700(3.58), 361.68(0.84), 633.415(0.568)
279.8 *1*	0.11 *6*	^{117}Cd(2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
279.8 *3*	0.030 *10*	^{223}Ac(2.10 m)	98.58(0.891), 191.3(0.58), 83.55(0.57)
279.82 *10*	†3.5 *6*	^{165}Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
279.9	14.8 *6*	^{21}O(3.42 s)	1730.3(45.6), 3517(15.4), 1787(14.2)
279.9	46 *10*	^{152}Tm(5.2 s)	807.9(100), 672.5(76), 422.4(66)
279.93 *4*	11.9	^{154}Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
279.96 *18*	1.36 *6*	^{186}Au(10.7 m)	191.56(62), 298.67(25.4), 764.89(10.5)
279.97 *1*	47600 *24*	^{157}Ho(12.6 m)	341.16(†37000), 193.41(†15200), 86.55(†12200)
280 *1*	20.4 *9*	^{97}Y(1.17 s)	1103.0(92.6), 161.4(71.8), 1091(56)
280.0 *2*		^{113}Pd(93 s)	95.74(3.3), 643.7(3.0), 739.63(2.4)
280.0 *3*	0.24 *5*	^{117}Cs(8.4 s)	204.8(15.0), 29.7(9.9), 205.6(6.8)
280.0 *1*	0.007 *4*	^{119}I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
280 *1*	0.015 *4*	^{155}Sm(22.3 m)	104.3346(74.6), 245.771(3.7), 141.4428(1.98)
280 *2*	1.2 *5*	^{168}Lu(6.7 m)	198.82(28), 979.22(20), 896.12(15)
280.0 *6*	0.14 *14*	^{172}Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
280		^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
280.0 *4*	0.53 *9*	^{188}Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
280	†20	^{228}Pa(22 h)	95(†100), 310(†42), 240(†23)
• 280.04 *5*	0.023 *11*	^{192}Ir(73.831 d)	316.50791(82.81), 468.07152(47.83), 308.45692(30.00)
280.09 *11*	0.024 *7*	^{130}I(12.36 h)	536.09(99), 668.54(96), 739.48(82)
280.1 *2*	3.1 *5*	^{121}Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
280.1 *2*	1.6 *3*	^{121}Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
280.1 *3*	0.004	^{154}Pm(1.73 m)	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
280.1 *3*	0.27	^{154}Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
280.1 *5*	†3.1	^{177}Os(2.8 m)	84.7(†100), 125.4(†63), 195.8(†61)
280.1 *2*	†9.5 *11*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
280.1 *1*	†73.7 *10*	^{194}Bi(92 s)	965.4(†100.0), 575.1(†98.0), 421.1(†59.9)
280.1 *1*	0.016 *1*	^{240}U(14.1 h)	44.10(1.05), 189.7(0.24), 66.5(0.154)
280.13 *2*	0.47 *10*	^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
• 280.13 *3*	0.232 *18*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
280.17 *12*	0.017 *5*	^{131}Te(25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
280.2 *3*		^{146}Dy(29 s)	2156.8, 1915.7, 1876.7
280.23 *2*	47.3 *20*	^{237}Am(73.0 m)	438.4(8.3), 473.5(4.3), 908.8(2.60)
280.25 *4*	†3.4 *4*	^{101}Nb(7.1 s)	276.10(†100), 157.466(†32), 13.5(†32)
280.26 *8*	1.02 *16*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
280.28 *7*	0.072 *24*	^{141}Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
280.3 *1*	4.02 *9*	^{142}Gd(70.2 s)	750.2(11.2), 178.90(11.20), 284.4(6.16)
• 280.30 *15*	0.31 *4*	^{188}Pt(10.2 d)	187.59(19.4), 195.05(18.6), 381.43(7.5)
280.35 *23*	0.256 *20*	^{99}Nb(2.6 m)	97.785(7), 253.50(3.64), 2641.3(3.64)
280.385 *13*	1.28 *14*	^{245}Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
280.39 *2*	2.94 *19*	^{191}Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
280.4 *5*	†3 *2*	^{112}Te(2.0 m)	372.70(†100), 296.20(†86), 418.9(†57)
280.4 *4*	1.87 *19*	^{122}Cs(4.5 m)	331.1(94), 497.1(79), 638.5(63)
• 280.4 *5*	0.66 *15*	^{127}Sb(3.85 d)	685.7(37), 473.0(25.7), 783.7(15.0)
280.4	1.31 *19*	^{154}Ho(3.10 m)	334.6(94), 412.4(79), 477.1(55)
280.40 *20*	0.133 *7*	^{233}Np(36.2 m)	312.17(0.7), 298.89(0.44), 546.9(0.280)
• 280.40 *20*	870000 *22*	^{237}Pu(45.2 d)	298.89(†7.85×10^6), 320.75(†6.48×10^6), 228.56(†3.93×10^6)
• 280.41 *6*	0.167 *13*	^{105}Rh(35.36 h)	319.14(19), 306.25(5.1), 442.37(0.042)
• 280.41 *6*	30.2 *17*	^{105}Ag(41.29 d)	344.520(41), 644.55(11.1), 443.37(10.5)
280.41 *6*	†2.6×10^3 *8*	^{105}Ag(7.23 m)	319.14(†63000), 306.25(†12800), 442.37(†5900)
280.42 *16*	†4.9 *17*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
• 280.45 *2*	1.24 *6*	^{193}Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
• 280.459 *8*	29.77 *22*	^{166}Ho(1.20×10^3 y)	184.410(72.6), 810.276(58.08), 711.683(55.32)
280.459 *8*	0.278 *6*	^{166}Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
• 280.46 *25*	0.0103 *14*	^{79}Kr(35.04 h)	261.29(13), 397.54(9.3), 606.09(8.12)
280.462 *9*		^{110}Sn(4.11 h)	
280.5 *2*	0.0062 *14*	^{167}Yb(17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
280.5 *4*		^{175}Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
280.5 *4*	0.56 *4*	^{175}Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
280.6 *2*	8.2 *5*	^{100}Ag(2.01 m)	665.54(99), 750.67(78), 773.20(24.2)
280.6 *1*	0.59 *10*	^{119}Ag(2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
• 280.6 *4*	0.011 *6*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
280.6 *4*	0.070 *14*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
280.7	1.0 *5*	^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)
280.77 *7*	0.0119 *22*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
280.8 *10*	0.18 *9*	^{104}Tc(18.3 m)	358.0(89), 530.5(15.6), 535.1(14.7)
280.8 *3*	2.6 *4*	^{170}Ho(2.76 m)	258.2(37.0), 931.3(36.1), 181.6(23.8)
280.80 *9*	0.88 *10*	^{177}W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
280.8 *4*	1.7 *3*	^{186}Pt(2.0 h)	276.7(0), 611.5(6.0), 635.6(>3.8)
280.85 *14*	0.58 *17*	^{105}In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
280.9	0.35 *11*	^{175}Re(5.89 m)	184.5(4.8)
280.9 *6*	†21 *5*	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
280.94 *5*		^{193}Hg(3.80 h)	861.11(†100), 1118.84(†64), 789.21(†36)
280.94 *12*	0.061 *22*	^{214}Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
280.96 *4*	1.23	^{154}Pm(1.73 m)	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
280.98 *10*		^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
281		^{129}Cd(0.27 s)	
281	0.0042	^{135}Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
281.0 *1*	0.22 *5*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
281.0 *2*	†3.7 *7*	^{181}Hg(3.6 s)	147.8(†100), 42.5(†25), 1986.7(†17)
281	6.8 *6*	^{211}Fr(3.10 m)	539.9(20), 918.3(11), 983(4.0)
• 281.0 *2*		^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
281.01 *2*	>0.0007	^{85}Kr(4.480 h)	151.159(75.0), 129.820(0.300), 450.85(0.011)
281.01 *2*	†0.040 *20*	^{85}Sr(67.63 m)	151.159(†1272), 129.820(†15), 731.812(†1.45)
281.03 *9*	5.1 *7*	^{122}In(10.8 s)	1140.55(100), 1001.58(98.4), 103.74(81)
281.03 *5*	0.0791 *25*	^{123}I(13.27 h)	158.97(83), 528.96(1.39), 440.02(0.428)
• 281.087 *2*	0.302 *4*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
281.1 *3*	0.027 *8*	^{101}Tc(14.22 m)	306.85(88), 545.06(6.0), 127.23(2.86)
281.1 *4*	†1 *3*	^{129}Sb(17.7 m)	759.8(†100.0), 657.78(†92), 433.76(†73)
281.126 *15*	1.38 *14*	^{140}Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
• 281.141 *4*	2.1×10^{-6} *3*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
281.2 *2*	3.1 *3*	^{126}Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
281.2 *5*	0.11 *6*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
281.2 *3*	†5.5 *6*	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
281.22 *8*	0.138 *13*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
281.25 *4*	0.252 *16*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
281.26 *5*	0.165 *5*	^{129}Te(69.6 m)	27.81(16.3), 459.60(7.70), 487.39(1.42)
• 281.29 *14*	†10.6 *24*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
• 281.295 *16*	0.0074 *3*	^{149}Pm(53.08 h)	285.95(3.1), 859.46(0.109), 590.88(0.069)
• 281.295 *16*	0.0226 *8*	^{149}Eu(93.1 d)	327.526(4.03), 277.089(3.56), 22.510(2.32)
281.34 *18*	16.5 *10*	^{78}Zn(1.47 s)	224.75(43.9), 181.68(28.1), 860.30(24.5)
281.34 *5*	0.279 *5*	^{143}Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
281.38 *13*	0.17 *4*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
281.4 *2*	0.16	^{76}Br(16.2 h)	559.101(74), 657.041(15.9), 1853.67(14.7)
281.4 *1*	>0.00015	^{129}Te(69.6 m)	27.81(16.3), 459.60(7.70), 487.39(1.42)
• 281.4 *1*	>9.0×10^{-5}	^{129}Te(33.6 d)	695.88(2.988), 729.57(0.70), 556.65(0.118)
• 281.4 *3*	0.046 *25*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
281.4	†18	^{148}Cs(158 ms)	141.7(†100), 687.2(†23), 545.5(†20)
• 281.4 *2*	0.0078 *19*	^{156}Eu(15.19 d)	811.79(9.70), 88.9667(8.4), 1230.68(7.98)
281.4 *1*	0.071 *5*	^{251}Fm(5.30 h)	880.8(2.19), 453.1(1.45), 405.6(0.99)
• 281.44 *5*	0.00051 *5*	^{129}Te(33.6 d)	695.88(2.988), 729.57(0.70), 556.65(0.118)
• 281.441 *9*	0.006	^{235}U(7.038×10^{8} y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
• 281.455 *22*	5.7 *4*	^{182}Re(64.0 h)	229.3220(26), 67.75001(22.2), 1121.3007(22.0)
281.49 *4*	0.09 *3*	^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
281.49 *4*	0.019 *7*	^{186}Ir(2.0 h)	137.155(27), 767.508(21.2), 630.354(18.0)
281.5 *1*	0.70 *7*	^{188}Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
281.55 *15*	0.74 *10*	^{125}Cd(0.57 s)	1027.53(25.8), 1173.16(25.1), 736.65(12.6)
281.59 *8*	0.44	^{187}Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
281.6	0.101 *14*	^{141}Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
281.6 *4*	†1.10 *15*	^{182}Ir(15 m)	273.23(†100), 126.79(†77), 236.3(†21.0)
• 281.638 *4*	0.058 *3*	^{77}As(38.83 h)	238.996(1.6), 520.639(0.558), 249.786(0.394)
• 281.638 *4*	2.29 *5*	^{77}Br(57.036 h)	238.996(23), 520.639(22.4), 297.215(4.16)
281.7 *10*		^{76}Zn(5.7 s)	1030.6, 831.2, 755.0
281.7 *1*	0.0015 *3*	^{129}Te(69.6 m)	27.81(16.3), 459.60(7.70), 487.39(1.42)
281.7 *1*	†0.70 *7*	^{171}Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
281.70 *15*	0.186 *17*	^{179}W(6.40 m)	238.61(0.218), 222.5(0.057), 213.9(0.057)
281.76 *10*	0.16 *3*	^{193}Au(17.65 h)	186.17(10.1), 255.57(6.7), 268.22(3.9)
281.76 *4*	0.843 *25*	^{193}Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
• 281.7873 *9*	14.1 *3*	^{177}Lu(160.4 d)	208.3664(57.7), 228.4838(37.0), 378.5029(29.7)
281.8 *2*	0.013 *5*	^{133}La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
281.8 *3*	0.15 *4*	^{188}Hg(3.25 m)	66.7(63), 190.1(4.40), 82.7(2.6)
281.92 *5*	0.064 *5*	^{228}Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
281.92 *5*	1.28 *7*	^{228}Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
• 281.923 *23*	0.84 *3*	^{206}Po(8.8 d)	1032.26(32.9), 511.36(24.1), 286.410(23.8)
281.923 *23*		^{210}At(8.1 h)	82.802(†480000), 106(†170000), 167(†110000)
281.960 *30*	0.99 *10*	^{115}Te(5.8 m)	723.569(30), 1380.58(23.0), 1326.83(22.7)
282.0 *2*	0.27 *3*	^{92}Kr(1.840 s)	142.307(64), 1218.6(60), 812.6(14.6)
282.0 *4*	0.54 *4*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
282.0 *4*	19.8 *10*	^{232}Np(14.7 m)	327.3(52), 819.187(33.3), 866.760(24.4)
282.05 *13*	2.1 *3*	^{80}Zn(0.545 s)	712.53(45.1), 715.40(33.8), 964.93(15.6)
282.1 *2*	0.060 *18*	^{89}Br(4.40 s)	1097.82(6.00), 997.93(4.26), 953.53(4.26)
282.1 *1*		^{125}La(76 s)	67.6(34), 43.6(3.5), 985.2
282.1 *2*	†14 *2*	^{135}Pm(49 s)	198.5(†100), 207.2(†70), 463.5(†62)
282.1	0.10	^{185}Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
• 282.1 *2*	0.0044 *22*	^{225}Ac(10.0 d)	99.91(1.01), 150.04(0.80), 99.63(0.62)
• 282.131 *6*	0.242 *3*	^{129}Cs(32.06 h)	371.918(30.60), 411.490(22.31), 548.945(3.40)
282.2 *5*	0.20 *5*	^{148}Ho(9.59 s)	1687.5(82.47), 660.8(58.94), 504.3(18.62)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 282.2 *1*	0.010 *5*	^{232}Pa(1.31 d)	969.315(41.6), 894.351(19.8), 150.059(10.8)
282.27 *9*	†0.26 *2*	^{184}Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
• 282.29 *4*	0.426 *6*	^{205}Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
282.3 *8*	0.77 *6*	^{190}Au(42.8 m)	295.78(71.0), 301.82(23.4), 597.67(9.4)
282.34 *7*	2.4 *4*	^{187}Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
282.39 *7*	4.9 *7*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
282.4 *1*	2.5 *5*	^{71}Br(21.4 s)	260.5(8.0), 233.7(6.5), 171.6(6.2)
282.4	†1.4	^{144}Gd(4.5 m)	333.3(†100), 2432.6(†94.8), 629.5(†32.4)
282.4	0.017 *7*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
• 282.40 *15*		^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
282.4 *2*	0.0084 *16*	^{167}Yb(17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
282.42 *5*	0.29 *2*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
• 282.45 *5*	0.0184 *19*	^{125}Sn(9.64 d)	1067.10(10), 1089.15(4.59), 822.48(4.28)
282.456 *10*	0.616 *16*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
282.471 *2*	39.0 *12*	^{231}Ac(7.5 m)	307.063(30.4), 221.399(16.8), 185.712(16.4)
282.5 *2*	†0.082 *18*	^{160}Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
282.5 *2*	0.038 *9*	^{160}Ho(25.6 m)	728.18(46.9), 879.383(26.6), 962.317(25.6)
282.5 *9*	0.108 *14*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
282.51 *6*	0.428 *13*	^{138}Xe(14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
282.52 *10*	0.040 *7*	^{98}Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
• 282.522 *14*	3.01 *5*	^{175}Yb(4.185 d)	396.329(6.40), 113.805(1.88), 144.863(0.328)
282.6 *1*	0.97 *11*	^{206}Fr(15.9 s)	575.3(12), 559.0(8.19), 628.6(3.6)
282.67 *10*	0.30 *8*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
282.7 *5*	0.090 *18*	^{101}Sr(118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
282.7 *4*	0.20 *10*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
282.72 *11*	0.160 *20*	^{106}In(6.2 m)	632.66(100), 861.16(92), 997.87(48)
282.8	0.009	^{221}Fr(4.9 m)	218.19(11.6), 410.7(0.14), 99.5(0.11)
282.83 *20*	0.36 *4*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
282.864 *8*	11.3 *4*	^{162}Ho(67.0 m)	185.005(28.6), 1220.0(22.5), 937.2(10.8)
282.9 *3*	0.135 *18*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
• 282.92 *5*	0.005 *2*	^{235}U(7.038×10^{8} y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
282.93 *6*	2.23 *16*	^{190}Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
• 282.93 *6*	0.48 *9*	^{190}Ir(11.78 d)	186.718(52.4), 605.24(39.9), 518.55(34.0)
282.956 *2*	12.2 *3*	^{61}Cu(3.333 h)	656.008(10.77), 67.412(4.23), 1185.234(3.75)
283.0 *2*	†3.1 *8*	^{105}Nb(2.95 s)	94.8(†100), 246.9(†79), 309.9(†41.9)
283		^{130}Pr(40.0 s)	951.9, 499.0, 1405
283.0 *5*	0.08 *4*	^{140}Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
283.0 *3*	46 *20*	^{148}Tm(0.7 s)	646.6(100), 877.4(72), 1002.9(55)
283.0 *3*	0.70 *6*	^{158}Sm(5.30 m)	189.4(15.2), 363.6(12.4), 324.5(10.6)
283.0 *5*	0.056 *19*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
283.05 *4*	0.53 *5*	^{141}Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
• 283.05 *10*	0.199 *7*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
283.1	0.10	^{185}Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
283.13 *7*	0.147 *12*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
283.14 *11*	0.8	^{53}V(1.61 m)	1006.14(90), 1289.59(10), 442.7(0.39)
• 283.15 *20*	0.10 *5*	^{188}Pt(10.2 d)	187.59(19.4), 195.05(18.6), 381.43(7.5)
• 283.2 *2*	0.51 *5*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
283.2 *3*	0.16 *4*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
• 283.2 *1*	0.00055 *6*	^{177}Ta(56.56 h)	112.9498(7.2), 208.3664(0.94), 1057.8(0.29)
283.2 *2*	†0.69 *9*	^{196}Bi(240 s)	1049.21(†21.1), 371.93(†20.8), 689.00(†19.2)
283.2668 *8*		^{192}Re(16 s)	467.47(†100), 750.96(†25), 489.039
• 283.2668 *8*	0.262 *4*	^{192}Ir(73.831 d)	205.79549(3.300), 484.5780(3.184), 374.4852(0.721)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
283.29 *10*	0.044 *9*	^{81}Rb(4.576 h)	190.38(64.0), 446.15(23.2), 510.31(5.3)
283.29 *4*	0.155 *9*	^{105}Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
283.3 *2*	†1.1 *5*	^{171}Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
283.36 *6*		^{223}Rn(23.2 m)	591.8(†100), 635.2(†76), 416.0(†55)
283.400 *16*	2.76 *24*	^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
283.4 *1*	0.83 *10*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
283.4 *2*	†8.7 *9*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
• 283.4	7.0×10^{-6}	^{253}Es(20.47 d)	41.79(0.050), 389.11(0.0264), 387.1(0.00810)
283.42 *10*	2.6 *4*	^{170}Ho(2.76 m)	258.2(37.0), 931.3(36.1), 181.6(23.8)
• 283.42 *13*	0.40 *7*	^{177}Lu(160.4 d)	208.3664(57.7), 228.4838(37.0), 378.5029(29.7)
283.5 *2*	†3.3 *4*	^{101}Nb(7.1 s)	276.10(†100), 157.466(†32), 13.5(†32)
283.5 *2*	0.29 *8*	^{142}Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
283.55 *3*	5.95 *25*	^{161}Gd(3.66 m)	360.94(0.59), 314.92(22.7), 102.315(13.9)
283.6 *4*	†1.9 *7*	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 234.0(†40.0)
283.6 *4*	0.07 *3*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
283.69 *1*	3.1	^{227}Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
• 283.69 *1*	1.7	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
283.70 *12*	0.16 *3*	^{99}Sr(0.269 s)	125.118(16.1), 536.12(14.0), 1198.12(9.2)
283.7 *2*	12.2 *12*	^{118}Pd(1.9 s)	125.4(34), 125.4(34), 224.2(20.1)
283.7 *1*	0.21 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
283.7	0.6	^{199}Po(4.13 m)	1002.19(19), 1034.3(16), 362.01(7)
• 283.75 *6*		^{206}Bi(6.243 d)	803.10(99), 881.01(66.2), 516.18(40.7)
283.75 *7*	0.051 *4*	^{210}Rn(2.4 h)	458.25(1.7), 648.70(0.843), 570.95(0.840)
283.78 *10*	0.073	^{137}I(24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
283.80 *20*	0.041 *4*	^{112}Sb(51.4 s)	1257.05(96), 990.70(14.3), 670.0(3.7)
283.86 *13*	0.30 *4*	^{151}Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
283.91 *2*	6.7 *4*	^{191}Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
283.92 *20*	1.6 *6*	^{166}Hf(6.77 m)	78.76(41), 341.82(4.7), 407.91(4.5)
284		^{115}I(1.3 m)	709, 460, 275
284.00 *5*	87	^{128}La(5.0 m)	479.24(54), 643.65(14.7), 600.5(10.5)
284.0 *5*	†0.24 *3*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
284.0 *5*	†0.3 *1*	^{136}Eu(3.3 s)	254.9(†100), 431.4(†34), 458.0(†20)
284.0 *2*	1.8 *3*	^{194}Tl(32.8 m)	636.5(99), 428.0(99), 748.9(76)
284.09 *3*	2.21 *11*	^{199}Tl(7.42 h)	455.46(12.4), 208.20597(12.3), 247.26(9.3)
284.1 *1*	0.088 *6*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
284.1 *2*	†0.9 *4*	^{194}Bi(92 s)	965.4(†100.0), 575.1(†98.0), 280.1(†73.7)
284.114 *21*	0.36 *4*	^{183}Hf(1.067 h)	783.754(66), 73.174(38), 459.069(27)
• 284.18 *3*	1.692 *22*	^{205}Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
284.2 *2*	†2.0 *8*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
284.2 *2*	†7 *2*	^{187}Hg(1.9 m)	233.38(†100), 376.34(†38), 240.26(†33)
284.2 *1*	0.198 *20*	^{223}Ac(2.10 m)	98.58(0.891), 191.3(0.58), 83.55(0.57)
• 284.21 *5*	0.031 *9*	^{205}Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
• 284.25 *15*	1.0×10^{-5} *1*	^{233}U(1.592×10^{5} y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
284.28 *8*	0.07 *5*	^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
284.3 *4*	2.7 *3*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
284.3 *5*	0.037 *12*	^{138}Nd(5.04 h)	325.76(2.84), 199.50(0.53), 341.65(0.40)
284.3 *4*	†4.2 *8*	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
284.3 *7*	0.50 *6*	^{199}Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
• 284.305 *5*	6.14 *5*	^{131}I(8.02070 d)	364.489(81.7), 636.989(7.17), 80.185(2.62)
284.314 *30*	0.15 *3*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
284.4 *1*	6.16 *17*	^{142}Gd(70.2 s)	750.2(11.2), 178.90(11.20), 526.2(5.90)
• 284.40 *20*	†1.6 *8*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
284.46 *17*	0.140 *14*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
284.48 *20*	44 *6*	^{131}In(0.32 s)	4273.20(99), 2095.5(44), 173.185(29)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
284.5 *3*	0.22 *11*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
284.5 *3*	2.73 *9*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
284.53 *1*	8.14 *12*	^{145}Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
284.56 *5*	1.77 *17*	^{77}Zn(2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
284.58 *9*	0.009 *9*	^{189}Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
284.58 *10*	0.15 *4*	^{189}Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
284.6 *2*	0.122 *16*	^{157}Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
284.655 *2*	0.043 *7*	^{168}Ho(2.99 m)	741.356(36.6), 821.164(34.5), 815.990(18.6)
• 284.655 *2*	0.087 *4*	^{168}Tm(93.1 d)	198.241(52.39), 815.990(48.99), 447.515(23.05)
284.7 *2*	0.17 *4*	^{123}In(5.98 s)	1130.5(63), 1019.7(32), 618.8(2.6)
284.7 *1*	0.047 *13*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
284.70 *10*	0.37 *7*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
284.7 *2*	†5.0 *5*	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
• 284.72 *3*	0.0022 *6*	^{151}Gd(124 d)	153.56(6.20), 243.28(5.60), 174.70(2.96)
284.79 *7*	0.084 *22*	^{117}Cd(2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
284.8 *3*	0.5 *1*	^{129}Sn(2.23 m)	645.13(100), 80.5(6.6), 913.2(5.0)
284.8	0.6	^{190}Hg(20.0 m)	142.6(68), 171.5(4.8), 154.7(2.5)
284.8 *1*	0.07 *4*	^{221}Rn(25 m)	186.38(21.6), 150.04(4.5), 216.90(2.6)
• 284.8 *1*	0.0044 *22*	^{225}Ac(10.0 d)	99.91(1.01), 150.04(0.80), 99.63(0.62)
• 284.83 *10*	0.10 *5*	^{105}Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
284.83 *7*	1.2	^{187}Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
284.85 *9*	2.6	^{187}Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
284.89 *13*	†21.6 *10*	^{193}Tl(21.6 m)	324.37(†100), 1044.7(†59), 676.10(†48)
284.90 *20*	0.32 *5*	^{73}Ga(4.86 h)	297.32(79.8), 325.70(11.17), 739.42(4.23)
284.9 *2*	0.77 *10*	^{119}Cd(2.20 m)	1025.0(24.8), 2021.3(22.6), 720.7(17.9)
284.9 *3*	0.41 *12*	^{126}Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
284.9 *2*	0.71 *7*	^{132}I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
284.9 *3*	†1.5	^{149}Ce(5.3 s)	57.7(†100), 380.0(†33.7), 86.4(†20.2)
284.9 *1*	†81.0 *8*	^{152}Pr(3.24 s)	164.2(†100), 72.40(†38.9), 1363.8(†36.6)
284.9 *1*	0.13 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
284.9 *3*	0.44 *6*	^{190}Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
• 284.995 *26*	0.167 *8*	^{150}Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
285.0 *2*		^{131}Sn(58.4 s)	367.40, 62.9, 102.20
285.0 *2*	†3.0 *9*	^{131}Sn(56.0 s)	1226.03(†100), 450.03(†90), 798.50(†86)
• 285.00 *9*	>0.0022	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
285.0	†100	^{162}Ta(3.52 s)	444.5(†40)
285	†30	^{173}Os(16 s)	177(†100), 187(†50), 276(†25)
285.0 *2*	†76 *6*	^{173}Ir(2.20 s)	49.6(†100), 296.4(†48), 147.7(†48)
285.0 *2*	†37 *3*	^{173}Ir(9.8 s)	49.6(†100), 91.6(†30), 147.7(†24)
285.0	0.08	^{201}Pb(9.33 h)	331.19(79), 361.27(9.9), 945.96(7.4)
285.0 *2*	†4.3 *10*	^{229}Ac(62.7 m)	164.522(†100), 569.1(†91), 261.92(†39)
285.0 *2*	23	^{247}Am(23.0 m)	227.0(5.8)
• 285.0 *2*	1.4 *3*	^{251}Cf(898 y)	176.6(17.7), 227.0(6.3), 61.5(0.56)
• 285	0.01	^{254}Es(275.7 d)	63.0(2.0), 316(0.15), 304(0.07)
285.01 *5*	1.7	^{187}Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
285.07 *5*	11.0 *6*	^{166}Lu(1.41 m)	228.12(15), 102.38(13), 830.06(10.2)
285.1	0.08	^{201}Pb(9.33 h)	331.19(79), 361.27(9.9), 945.96(7.4)
285.11 *8*	0.086 *13*	^{100}Sr(202 ms)	963.85(22.0), 898.50(18.9), 65.46(15.2)
285.2 *1*	0.13	^{113}Ag(68.7 s)	316.3(18), 392.3(11), 298.58(10)
285.2 *5*	0.16 *4*	^{173}Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
285.2 *1*	†16.1 *6*	^{230}Ra(93 m)	72.0(†100), 63.0(†35.4), 202.8(†27.3)
285.22 *11*	0.078 *10*	^{118}In(4.45 m)	1229.68(96), 1050.69(81.0), 683.08(54.3)
285.246 *7*	12.4 *3*	^{131}La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
285.3	>0.08	^{83}Zr(44 s)	55.55(8), 104.97(5.70), 475.1(5.1)
285.3 *3*	1.02 *9*	^{129}In(0.61 s)	2118.0(45), 1865.0(32), 769.3(9.1)
• 285.3 *7*	0.052 *15*	^{194}Au(38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
285.32 *11*	0.0042 *4*	^{123}I(13.27 h)	158.97(83), 528.96(1.39), 440.02(0.428)
• 285.334 *6*	1.9×10^{-6} *4*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
• 285.362 *6*	0.611 *17*	^{173}Lu(1.37 y)	272.105(21.2), 78.63(11.87), 100.724(5.24)
285.37 *14*	†5.4 *8*	^{181}Pt(51 s)	289.29(†100), 111.97(†100), 230.15(†92)
285.39 *7*	†21 *2*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
285.4 *3*	1.69 *20*	^{158}Sm(5.30 m)	189.4(15.2), 363.6(12.4), 324.5(10.6)
• 285.460 *2*	0.79 *2*	^{239}Np(2.3565 d)	106.125(27.2), 277.599(14.38), 228.183(10.76)
285.460 *2*	0.80 *5*	^{239}Am(11.9 h)	277.599(15.0), 228.183(11.3), 209.753(3.50)
• 285.460 *2*	0.728 *20*	^{243}Cm(29.1 y)	277.599(14.0), 228.183(10.6), 209.753(3.29)
285.5 *5*	0.4 *3*	^{104}Tc(18.3 m)	358.0(89), 530.5(15.6), 535.1(14.7)
285.5 *3*	0.108 *9*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
285.5 *1*	0.80 *8*	^{148}Ce(56 s)	269.519(17.0), 291.724(16.7), 121.169(13.2)
• 285.50 *9*	†3.2 *7*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
285.5 *3*	0.021	^{233}Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
285.58 *12*	0.22 *3*	^{202}Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
285.584 *12*	0.83 *16*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
285.6 *2*	7	^{132}La(24.3 m)	464.55(22), 663.07(11.6), 515.78(7)
285.65 *7*	0.268 *20*	^{93}Sr(7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
285.67 *4*	3.5 *4*	^{130}Sb(39.5 m)	793.53(100), 839.49(100), 331.05(78)
285.7 *2*		^{146}Dy(29 s)	2156.8, 1915.7, 1876.7
285.7 *3*	†15 *3*	^{157}Yb(38.6 s)	230.92(†100), 340.7(†90), 241.7(†74)
285.7 *5*	†0.65 *13*	^{180}Au(8.1 s)	153.3(†100), 524.3(†29), 257.6(†26)
285.7 *1*	0.129 *20*	^{223}Ac(2.10 m)	98.58(0.891), 191.3(0.58), 83.55(0.57)
285.7 *3*	0.00039 *4*	^{255}Fm(20.07 h)	81.477(0.81), 58.477(0.67), 80.92(0.27)
285.80 *30*	3.5 *14*	^{103}Zr(1.3 s)	248(100), 164.05(94), 126.30(84)
285.9	>0.28	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
• 285.95 *1*	3.1	^{149}Pm(53.08 h)	859.46(0.109), 590.88(0.069), 22.510(>0.050)
• 285.95 *1*	0.0007 *2*	^{149}Eu(93.1 d)	327.526(4.03), 277.089(3.56), 22.510(2.32)
• 285.98 *4*	0.0111 *10*	^{152}Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
286.0 *3*		^{122}Ba(1.95 m)	550.7, 388.7, 231.0
286.0 *2*	16.06 *7*	^{137}Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
286.0 *1*	>0.24	^{141}Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
286.01 *8*	1.02 *16*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
286.02 *2*	0.63 *4*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
286.03 *15*	0.031 *4*	^{165}Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
• 286.06 *6*	0.089 *3*	^{151}Gd(124 d)	153.56(6.20), 243.28(5.60), 174.70(2.96)
286.1 *2*	0.182 *23*	^{123}Cs(5.94 m)	97.3(23), 596.7(10.1), 83.3(4.1)
286.122 *20*	0.0045 *9*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 286.122 *20*	†102 *8*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
286.2 *1*	0.901 *23*	^{79}Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
• 286.2 *2*	0.0058 *10*	^{125}Sn(9.64 d)	1067.10(10), 1089.15(4.59), 822.48(4.28)
286.2 *2*	2.1	^{145}Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)
286.2	>2.1	^{145}Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)
• 286.28 *2*	0.0133 *5*	^{147}Eu(24.1 d)	197.299(27), 121.220(22.9), 677.516(9.8)
• 286.293 *15*	0.099 *14*	^{150}Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
• 286.293 *15*	0.07 *3*	^{150}Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
• 286.293 *15*	0.06 *4*	^{150}Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
286.3 *4*	0.026 *8*	^{89}Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
286.30 *20*	0.028 *5*	^{105}Ru(4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
286.3 *5*	0.00014 *4*	^{109}Pd(13.7012 h)	88.04(1.171), 311.4(0.032), 647.3(0.024)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
286.3 *2*	1.51 *22*	^{129}Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
286.3 *1*	1.11 *8*	^{142}Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
286.3 *1*	†2.11×10^3 *22*	^{158}Er(2.29 h)	71.91(†23300), 386.84(†111000), 248.58(†42000)
• 286.30 *15*	0.33 *7*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
• 286.30 *20*	0.0063 *12*	^{172}Tm(63.6 h)	78.7435(6.5), 1093.657(6.0), 1387.093(5.6)
286.34 *5*	0.031 *3*	^{133}La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
286.382 *20*	0.063 *16*	^{182}Os(22.10 h)	510.056(52), 180.230(33.5), 263.285(6.71)
• 286.394 *4*	0.011 *5*	^{183}Ta(5.1 d)	246.0591(27), 353.9912(11.2), 107.9322(11.0)
286.4 *3*	0.383 *21*	^{190}Au(42.8 m)	295.78(71.0), 301.82(23.4), 597.67(9.4)
286.4 *6*	†3.5 *4*	^{195}Bi(183 s)	807.6(†100), 831.7(†100), 776.2(†95)
• 286.410 *26*	23.8 *5*	^{206}Po(8.8 d)	1032.26(32.9), 511.36(24.1), 807.38(22.7)
• 286.476 *2*	0.0143 *5*	^{161}Tb(6.88 d)	25.65150(23.2), 48.91562(17.0), 74.56711(10.2)
286.5 *2*	0.008	^{171}Er(7.516 h)	308.31(64.4), 295.901(28.9), 111.621(20.5)
286.5 *5*	†1.9 *4*	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
• 286.55 *10*	0.0100 *15*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
• 286.554 *20*	7.0 *5*	^{182}Re(64.0 h)	229.3220(26), 67.75001(22.2), 1121.3007(22.0)
286.57 *5*	0.035 *7*	^{200}Pt(12.5 h)	76.21(13), 135.90(3.24), 243.71(2.49)
286.57 *13*	0.30 *10*	^{209}Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
286.572 *5*	88	^{75}Br(96.7 m)	141.3147(6.6), 427.883(4.4), 377.385(3.93)
286.6 *1*	†2.32 *8*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
• 286.6 *3*	>0.22	^{147}Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
286.6		^{168}Lu(6.7 m)	198.82(28), 979.22(20), 896.12(15)
• 286.60 *5*	0.452 *13*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
286.7 *1*	2.0 *3*	^{105}Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
286.8 *2*	4.3 *11*	^{136}Sm(47 s)	114.4(36), 747.7(5.4), 485.3(5.0)
286.80 *22*	†39 *4*	^{184}Tl(11 s)	366.51(†100), 340.0(†25), 534.40(†16.8)
286.83 *20*	0.39 *11*	^{125}Cd(0.57 s)	1027.53(25.8), 1173.16(25.1), 736.65(12.6)
286.84 *4*	0.298 *22*	^{207}At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
286.9 *6*	>0.010	^{214}Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
• 286.999 *4*	0.317 *6*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
287.0 *10*	0.075 *11*	^{93}Y(10.18 h)	266.9(7.3), 947.1(2.09), 1917.8(1.55)
287.0 *5*	†4	^{99}Rb(59 ms)	90.8(†100), 125.2(†40), 1071.6(†26)
287.00 *20*	0.025 *6*	^{158}Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
287.03 *2*	5.4 *4*	^{59}Mn(4.6 s)	726.7(42), 472.71(29.0), 570.81(24.8)
287.1 *3*	0.0011 *4*	^{166}Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
287.146 *4*	0.0011 *4*	^{155}Sm(22.3 m)	104.3346(74.6), 245.771(3.7), 141.4428(1.98)
287.16 *5*	3.82 *4*	^{127}Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
287.160 *19*	†17.1 *9*	^{142}Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
287.160 *22*	2.85 *12*	^{208}Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
287.17 *10*	1.84 *17*	^{148}Ce(56 s)	269.519(17.0), 291.724(16.7), 121.169(13.2)
287.18 *3*	1.420 *22*	^{69}As(15.2 m)	232.69(11), 145.95(4.96), 86.78(3.44)
287.2 *20*	0.007 *1*	^{145}Gd(23.0 m)	1757.9(34.2), 1880.6(32.6), 1041.8(9.9)
287.30 *20*	0.48 *3*	^{88}Nb(7.8 m)	1057.01(89.3), 1082.53(53.9), 399.41(45.7)
• 287.319 *35*	0.0213 *25*	^{71}As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
287.357 *10*	28.3 *9*	^{151}Tb(17.609 h)	251.863(26.3), 108.088(24.3), 587.46(15.6)
• 287.4 *1*	>0.22	^{147}Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
• 287.4 *3*	0.008 *4*	^{195}Hg(41.6 h)	261.75(30.9), 560.27(7), 387.87(2.15)
287.4 *3*		^{243}Np(1.8 m)	
• 287.4 *3*	2.0 *3*	^{247}Cm(1.56×10^7 y)	402.6(72), 278.0(3.4), 344.5(1.3)
287.5 *4*	1.3 *3*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
287.57 *9*	0.65 *5*	^{103}Tc(54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
287.6 *3*	0.44 *11*	^{119}Cd(2.69 m)	292.9(36.8), 343.0(16.9), 1609.7(10.9)
287.6 *3*	0.077 *20*	^{119}Cd(2.20 m)	1025.0(24.8), 2021.3(22.6), 720.7(17.9)
287.6 *4*	2.1 *4*	^{148}Er(4.6 s)	1311.8(8.9), 244.0(7.1), 315.3(6.9)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
287.65 *7*	0.52 *13*	^{99}Ag(124 s)	264.41(65), 832.29(13.5), 805.07(12.5)
287.7	0.013 *5*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
287.73 *8*	0.172 *24*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
287.78 *3*	0.128 *4*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
287.79 *8*	25	^{163}Gd(68 s)	214.0(11.5), 1562.1(9.0), 1684.5(8.0)
287.8 *2*	0.13 *3*	^{79}Ge(19.1 s)	109.58(21), 1505.85(9.2), 100.48(2.70)
287.8 *2*	1.1 *3*	^{79}Ge(39.0 s)	230.62(61), 542.27(32.6), 755(18)
287.8 *1*	0.51 *5*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
287.80 *15*	0.9 *3*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
287.89 *5*	0.32 *3*	^{109}Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
287.9 *3*	0.186 *16*	^{77}Kr(74.4 m)	129.64(81), 146.59(37.3), 312.0(3.7)
287.97 *11*	1.47 *24*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
287.997 *2*	1.54 *7*	^{174}Tm(5.4 m)	366.526(92), 992.128(87), 272.918(86)
288 *1*	0.027 *13*	^{111}Sn(35.3 m)	1152.98(2.7), 1914.70(1.99), 761.97(1.48)
288.0 *3*	>0.043	^{207}Po(5.80 h)	992.33(59.3), 742.64(28.2), 911.79(16.95)
288	†0.9	^{224}Ac(2.9 h)	156.4(†100), 140.8(†55), 261.6(†28)
288.023 *19*	0.096 *14*	^{157}Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
288.033 *5*	†2.9 *6*	^{229}Ac(62.7 m)	164.522(†100), 569.1(†91), 261.92(†39)
• 288.033 *5*	0.00097 *15*	^{233}U(1.592×10^5 y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
288.04 *3*	0.70 *3*	^{103}Ag(65.7 m)	118.72(31.2), 148.193(28.3), 266.86(13.3)
288.07 *7*	0.31 *4*	^{212}Bi(60.55 m)	39.858(1.091), 452.83(0.31), 327.96(0.139)
288.1 *7*	0.7 *2*	^{46}Ar(8.4 s)	1944.30(100), 1020.3(0.8), 584.7(0.4)
288.1 *1*	1.62 *15*	^{109}In(4.2 h)	203.5(74), 623.7(5.5), 1148.9(4.3)
288.1 *1*	0.31 *3*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
288.13 *15*	2.11 *20*	^{100}Cd(49.1 s)	936.55(66), 139.71(6.7), 582.5(6.3)
• 288.141 *13*	12.51 *9*	^{148}Pm(41.29 d)	550.284(94.5), 629.987(89), 725.673(32.7)
• 288.141 *13*	0.347 *8*	^{148}Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
288.175 *16*	†33.3 *20*	^{94}Kr(0.20 s)	629.2(†100), 764.5(†71), 219.466(†67.4)
• 288.18 *3*	0.158 *4*	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)
288.194 *10*	0.692 *18*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
288.2	†2.1	^{144}Gd(4.5 m)	333.3(†100), 2432.6(†94.8), 629.5(†32.4)
288.2 *2*	†5.8 *7*	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 234.0(†40.0)
288.2 *4*		^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
288.2 *2*	†0.9 *3*	^{230}Ra(93 m)	72.0(†100), 63.0(†35.4), 202.8(†27.3)
288.22 *10*	0.47 *3*	^{190}Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
• 288.22 *10*	1.64 *14*	^{190}Ir(11.78 d)	186.718(52.4), 605.24(39.9), 518.55(34.0)
288.28 *20*	0.73 *5*	^{107}Rh(21.7 m)	302.77(66), 392.47(8.8), 312.21(4.8)
288.29 *23*	1.2 *3*	^{186}Tl(27.5 s)	405.43(92), 402.72(45.9), 356.84(29.3)
288.3	†0.42 *17*	^{93}Tc(43.5 m)	2644.55(†42.7), 943.33(†8.7), 3129.0(†6.4)
288.3 *2*	†5.9 *15*	^{229}Ac(62.7 m)	164.522(†100), 569.1(†91), 261.92(†39)
288.33 *12*	0.133 *14*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
288.36 *8*	0.065 *10*	^{189}Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
288.38 *11*	0.30 *6*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
288.4 *5*	†36	^{100}Rb(51 ms)	129.2(†100)
288.4 *1*	0.124 *12*	^{145}Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
288.4 *7*	0.39 *4*	^{199}Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
288.423 *26*	0.406 *12*	^{122}Xe(20.1 h)	350.065(7.80), 148.612(2.62), 416.633(1.87)
288.451 *16*	3.12 *6*	^{135}I(6.57 h)	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
288.5	0.9	^{96}Y(9.6 s)	1750.42(89), 915.0(60), 617.1(56)
288.5 *3*	>0.19	^{137}Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
288.5 *2*	0.15	^{145}La(24.8 s)	70.0(11), 355.8(3.8), 118.2(3.6)
288.6 *7*	0.29 *6*	^{201}Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
288.63 *10*		^{192}Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
288.64 *4*	0.59 *5*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
288.68 *10*	0.195 *25*	^{88}Br(16.5 s)	775.28(63), 802.14(13.13), 1440.69(4.72)
288.7 *3*	0.0088 *22*	^{100}Sr(202 ms)	963.85(22.0), 898.50(18.9), 65.46(15.2)
288.7 *2*	†21.0 *21*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
288.7 *2*	0.48 *16*	^{196}Bi(308 s)	1049.21(87), 689.00(35.5), 776.6(9.1)
288.7 *2*	†0.28 *9*	^{196}Bi(240 s)	1049.21(†21.1), 371.93(†20.8), 689.00(†19.2)
288.786 *13*	0.0279 *17*	^{173}Hf(23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
288.79 *15*	0.57 *5*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
288.80 *12*	0.07 *3*	^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
• 288.82 *3*	0.142 *12*	^{193}Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
288.85 *14*	0.215 *23*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
288.87 *5*	1.91 *5*	^{166}Lu(2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
288.9	13	^{134}Nd(8.5 m)	163.2(58), 216.8(12), 1000(4.1)
288.9 *4*	1.48 *16*	^{175}Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
289 *1*	>0.20	^{96}Pd(122 s)	124.70(65), 762.3(50.0), 499.7(17.9)
289.0 *2*	0.152 *14*	^{141}Pm(20.90 m)	1223.26(4.74), 886.22(2.44), 193.68(1.61)
289.00 *7*	4.5 *5*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
289.0 *3*	†2.50 *25*	^{182}Ir(15 m)	273.23(†100), 126.79(†77), 236.3(†21.0)
289	†9 *4*	^{193}Hg(3.80 h)	861.11(†100), 1118.84(†64), 789.21(†36)
289.02 *17*	0.028 *7*	^{179}W(6.40 m)	238.61(0.218), 281.70(0.186), 222.5(0.057)
289.1 *2*	1.36 *14*	^{176}Tm(1.9 m)	189.57(44.5), 1069.3(34), 381.8(21.8)
289.1	†4	^{238}Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
289.16 *5*	1.1 *3*	^{200}Pb(21.5 h)	147.63(37.7), 257.17(4.46), 235.63(4.30)
• 289.18 *7*	0.13 *4*	^{105}Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
289.2 *1*	0.198 *20*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
289.2		^{157}Lu(5.0 s)	967.5, 949.8, 880.5
289.21 *10*	0.017 *4*	^{240}Np(7.22 m)	554.60(20.9), 597.40(11.7), 1496.9(1.33)
• 289.21 *10*	4.7×10^{-7} *15*	^{244}Cm(18.10 y)	42.824(.0044100), 98.860(.0001470), 152.63(<4.9×10^{-7})
289.25 *4*	2.86 *24*	^{204}Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
289.29 *15*	1.41 *4*	^{172}Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
289.29 *14*	†100 *15*	^{181}Pt(51 s)	111.97(†100), 230.15(†92), 243.11(†61)
289.3 *3*	0.071 *18*	^{149}Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
289.3 *2*	0.0047 *12*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
289.31 *7*	0.191 *13*	^{72}Ga(14.10 h)	834.01(96), 2201.69(25.9), 629.95(24.8)
289.4 *1*	1.7 *10*	^{98}Rb(114 ms)	144.224(24.5), 1693.3(5.9), 2171.7(5.7)
289.4 *1*	68 *8*	^{98}Rb(96 ms)	144.224(73), 3010.5(23.4), 3030.5(17.7)
289.4 *1*	270	^{99}Rb(59 ms)	144.224(†900), 1079.8(†90), 655.9(†81)
289.4 *2*	4.9 *4*	^{154}Ho(3.10 m)	334.6(94), 412.4(79), 477.1(55)
289.4 *3*	0.17	^{181}Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
289.40 *23*	†7.1 *15*	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
289.43 *15*	0.52 *6*	^{121}Cd(8.3 s)	2059.41(21.0), 1020.89(18.9), 987.81(13.6)
289.432 *6*	0.014 *4*	^{200}Au(48.4 m)	367.943(19), 1225.479(10.7), 1262.950(3.12)
• 289.432 *6*	0.51 *4*	^{200}Tl(26.1 h)	367.943(87), 1205.717(29.9), 579.298(13.8)
289.5 *4*	18.8 *8*	^{58}Cr(7.0 s)	682.9(81), 126(75), 520.4(15.8)
289.5 *3*	0.228 *9*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 289.5 *3*		^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
• 289.50 *16*	0.006 *4*	^{229}Th(7340 y)	193.509(4.4), 210.853(2.8), 86.40(2.57)
• 289.56 *4*	0.007	^{235}U(7.038×10^{8} y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
289.63 *5*	†10.0 *8*	^{101}Nb(7.1 s)	276.10(†100), 157.466(†32), 13.5(†32)
289.64 *6*	5.7 *3*	^{148}Ce(56 s)	269.519(17.0), 291.724(16.7), 121.169(13.2)
289.7 *2*	1.20 *19*	^{104}Ag(69.2 m)	555.796(92.6), 767.72(65.7), 941.7(25.0)
289.7 *3*	29 *6*	^{146}Ho(3.6 s)	682.9(100), 925.3(69), 673.7(55)
289.7 *2*	0.135 *18*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
289.71 *15*	1.49 *5*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
289.76 *10*	0.54 *3*	^{89}Rb(15.15 m)	1031.94(58), 1248.19(42.6), 2196.02(13.3)
289.78 *7*	9.2 *4*	^{139}Xe(39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
289.80 *7*	0.102 *8*	^{111}Pd(23.4 m)	580.00(0.8), 70.44(0.78), 1459.0(0.56)
289.80 *7*	1.04 *10*	^{111}Pd(5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)
289.8	1.2	^{147}Ce(56.4 s)	268.80(7), 92.9(4.7), 374.23(3.5)
289.8 *3*	†4.0 *6*	^{172}W(6.6 m)	38.9(†100), 423.3(†44), 89.8(†33.0)
289.81 *4*	0.022 *8*	^{155}Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
289.81 *16*	0.92 *12*	^{174}W(31 m)	35.42(14.1), 428.83(12.7), 328.68(9.5)
289.92 *3*	1.7 *3*	^{200}Pb(21.5 h)	147.63(37.7), 257.17(4.46), 235.63(4.30)
289.95 *5*	0.11 *5*	^{81}Sr(22.3 m)	153.54(33.8), 147.76(30.1), 443.34(17.5)
289.968 *17*	26.9 *14*	^{179}Re(19.5 m)	430.221(28), 1680.244(13.0), 415.411(10.6)
290.0	0.10	^{83}Zr(44 s)	55.55(8), 104.97(5.70), 475.1(5.1)
290.0 *9*	0.8 *6*	^{105}In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
• 290.0	0.00338 *18*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
• 290	>0.00047	^{193}Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
290.03 *6*	0.55 *4*	^{81}Se(18.45 m)	275.988(0.7), 828.27(0.280), 566.04(0.220)
• 290.04 *10*	0.44 *3*	^{83}Sr(32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
290.06 *5*	1.413 *8*	^{133}La(3.912 h)	278.835(2.50), 302.353(1.648), 632.765(0.98)
290.1 *1*	0.052 *4*	^{66}Ga(9.49 h)	1039.30(37), 2752.01(23.38), 833.50(5.89)
290.1 *10*		^{76}Zn(5.7 s)	281.7, 1030.6, 831.2
290.1 *7*	0.0157 *15*	^{81}Se(18.45 m)	275.988(0.7), 290.03(0.55), 828.27(0.280)
290.2 *4*	0.44 *12*	^{70}Se(41.1 m)	49.51(35.8), 426.15(29), 376.65(9.43)
• 290.2 *1*	0.0020 *8*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
290.254 *3*	1.88 *9*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
290.27 *4*	0.306 *17*	^{135}I(6.57 h)	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
290.27 *17*	0.0314 *6*	^{159}Gd(18.479 h)	363.55(11.4), 58.00(2.15), 348.16(0.234)
• 290.27 *17*	0.00014 *5*	^{159}Dy(144.4 d)	58.00(2.22), 348.16(0.00095), 79.45(0.00048)
• 290.3 *2*	0.101 *15*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
290.3 *4*	0.39 *8*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
290.3 *1*	36 *5*	^{198}Pb(2.40 h)	365.4(19), 173.4(18), 865.3(5.9)
290.32 *16*	0.053 *5*	^{165}Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
290.33 *10*	0.09 *4*	^{193}Au(17.65 h)	186.17(10.1), 255.57(6.7), 268.22(3.9)
290.35 *5*	5.0 *5*	^{81}Ge(7.6 s)	335.98(58.9), 792.94(34), 1495.53(19.9)
290.35 *5*	6.5 *5*	^{81}Ge(7.6 s)	93.10(26), 335.98(12.8), 197.30(12.3)
290.35 *4*	0.38 *4*	^{162}Yb(18.87 m)	163.35(40.0), 118.70(33.6), 576.10(3.24)
290.40 *15*	0.44 *9*	^{157}Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
290.48 *6*	3.70 *10*	^{95}Ru(1.643 h)	336.43(70.2), 1096.76(21.0), 626.77(17.8)
• 290.49 *15*	0.0087 *19*	^{156}Eu(15.19 d)	811.79(9.70), 88.9667(8.4), 1230.68(7.98)
290.54 *2*	0.264 *12*	^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
290.57 *10*	0.44 *4*	^{140}Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
290.6 *3*	0.58 *7*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
• 290.61 *3*	0.014 *4*	^{166}Dy(81.6 h)	82.471(14), 28.242(1.13), 54.2400(0.81)
• 290.64 *20*	0.11 *4*	^{188}Pt(10.2 d)	187.59(19.4), 195.05(18.6), 381.43(7.5)
• 290.669 *13*	0.402 *12*	^{188}W(69.4 d)	227.083(0.221), 63.582(0.109), 207.849(0.0080)
290.67 *14*	0.22 *13*	^{133}Sb(2.5 m)	1096.22(43.0), 817.8(18.5), 2755(12.5)
290.68 *14*	0.38 *6*	^{156}Tm(83.8 s)	344.55(86), 452.85(17.2), 585.93(14.6)
290.7 *2*	0.8	^{149}Dy(0.490 s)	361.4(0.8), 786.6(0.8), 630.2(0.7)
290.74 *5*	0.62 *3*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
• 290.75 *1*	0.83 *7*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
290.75 *5*	1.6 *3*	^{193}Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
• 290.76 *10*	0.11 *4*	^{194}Au(38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
290.80 *20*	0.049 *10*	^{114}Sb(3.49 m)	1299.90(99), 887.60(17.4), 327.18(7.0)
290.8 *3*	0.53 *12*	^{126}Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
• 290.8 *5*	2.01 *11*	^{127}Sb(3.85 d)	685.7(37), 473.0(25.7), 783.7(15.0)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
290.8 *3*		^{219}Ra(10 ms)	805.2, 592.0, 489
290.89 *6*	0.058 *7*	^{167}Yb(17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
290.9 *1*	†8.8 *13*	^{152}Pr(3.24 s)	164.2(†100), 284.9(†81.0), 72.40(†38.9)
290.9 *4*	†7.2 *10*	^{206}Rn(5.67 m)	497.7(†100), 324.5(†96), 386.6(†61)
290.95 *11*	1.13 *10*	^{197}Pb(43 m)	385.85(74), 387.72(25.1), 222.45(24.6)
291.0 *15*	0.17 *6*	^{77}Rb(3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
291.00		^{131}Sn(56.0 s)	1226.03(†100), 450.03(†90), 798.50(†86)
291.0 *8*	2.7 *10*	^{156}Sm(9.4 h)	87.4897(24), 203.818(20.6), 165.8452(12.7)
291.0 *3*	†1.67 *24*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
• 291.0 *3*	0.4 *2*	^{251}Cf(898 y)	176.6(17.7), 227.0(6.3), 285.0(1.4)
291.1 *1*	0.07 *2*	^{107}Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
291.1 *5*	16 *4*	^{172}Ho(25 s)	133.6(36), 178.0(23), 757.2(18)
• 291.1 *5*	3.5×10^{-5} *4*	^{253}Es(20.47 d)	41.79(0.050), 389.11(0.0264), 387.1(0.00810)
291.17 *5*	0.435 *8*	^{133}La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
291.17 *5*	†0.090 *15*	^{153}Pm(5.4 m)	35.842(†100), 127.298(†75), 28.309(†34.6)
• 291.190 *11*	0.00430 *14*	^{169}Yb(32.026 d)	63.12077(44.2), 197.95788(35.8), 177.21402(22.16)
291.2 *1*	0.12 *4*	^{107}Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
291.2 *2*	†3.2 *8*	^{155}Nd(8.9 s)	180.574(†100), 418.99(†75), 955.08(†50)
• 291.20 *10*	0.0066 *24*	^{194}Au(38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
• 291.2		^{235}U(7.038×10^{8} y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
291.23 *16*	0.25 *14*	^{66}Ge(2.26 h)	43.89(28.7), 381.85(28), 272.97(10.4)
• 291.233 *3*	0.445 *16*	^{169}Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
291.25 *20*	0.63	^{154}Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
291.287 *20*	8.09 *8*	^{143}Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
• 291.3 *3*	0.0108 *14*	^{148}Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
291.3 *4*	†1.3 *7*	^{155}Nd(8.9 s)	180.574(†100), 418.99(†75), 955.08(†50)
291.3 *3*	1.3	^{170}Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
• 291.30 *20*	$†3.1\times10^{4}$ *3*	^{241}Am(432.2 y)	59.537(†60), 26.345($†1000\times10^{9}$), 33.195($†6000\times10^{8}$)
291.33 *16*	0.36 *5*	^{184}Au(53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
291.354 *4*	†9.3 *16*	^{229}Ac(62.7 m)	164.522(†100), 569.1(†91), 261.92(†39)
• 291.354 *4*	0.00537 *5*	^{233}U(1.592×10^{5} y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
291.36 *10*	0.95 *12*	^{204}Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
291.4 *2*	1.1	^{145}La(24.8 s)	70.0(11), 355.8(3.8), 118.2(3.6)
291.42 *5*	1.35 *14*	^{77}Zn(2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
• 291.42 *10*	1.02 *7*	^{177}Lu(160.4 d)	208.3664(57.7), 228.4838(37.0), 378.5029(29.7)
291.430 *4*	7.5 *4*	^{109}Rh(80 s)	326.868(54), 426.135(7.7), 178.034(7.6)
291.5 *1*	4.1 *5*	^{107}Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
291.5 *3*	0.98 *17*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
291.55 *5*	0.73 *6*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
• 291.60 *15*	0.056 *19*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
291.6 *4*	0.046 *23*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 291.65 *3*	0.038 *5*	^{235}U(7.038×10^{8} y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
• 291.67 *4*	0.0056 *5*	^{95}Tc(61 d)	204.117(63.25), 582.082(29.96), 835.149(26.63)
291.69 *7*	0.022 *6*	^{157}Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
291.7 *2*	0.26 *5*	^{121}Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
• 291.7 *2*	0.20 *4*	^{147}Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
291.7 *1*	3.5 *3*	^{188}Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
291.7 *2*	†1.7 *1*	^{203}At(7.4 m)	639.4(†100), 641.5(†55.8), 738.1(†38.4)
• 291.7 *1*	$†9\times10^{06}$	^{208}Po(2.898 y)	570.4($†5\times10^{06}$), 601.6($†4.1\times10^{6}$), 861.9($†2.8\times10^{6}$)
291.72 *9*	0.59 *4*	^{101}Sr(118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
291.72 *15*	0.21 *5*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
291.72 *15*	2.35 *7*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
291.724 *17*	16.7 *8*	^{148}Ce(56 s)	269.519(17.0), 121.169(13.2), 98.99(12.4)
• 291.7238 *5*	3.73 *11*	^{183}Ta(5.1 d)	246.0591(27), 353.9912(11.2), 107.9322(11.0)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 291.7238 *5*	3.05 *16*	^{183}Re(70.0 d)	162.3219(23.3), 46.4839(7.97), 208.8057(2.95)
291.9 *3*	1.78 *20*	^{69}Se(27.4 s)	97.98(66), 66.4(24.8), 691.8(16.6)
291.95 *7*	†17.5 *10*	^{142}Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
291.96 *4*	0.220 *9*	^{105}Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
292.0	1.3 *6*	^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)
292		^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
292.0 *2*	0.024 *16*	^{190}Tl(2.6 m)	416.4(79), 625.4(11.1), 683.5(8.7)
292.04 *7*	†14.8 *15*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
292.05 *3*	0.64 *8*	^{117}Cd(2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
292.05 *3*	0.1 *1*	^{117}Cd(3.36 h)	1997.33(26), 1065.98(23.1), 564.397(14.7)
292.06 *5*	0.26 *4*	^{202}Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
292.1	0.6	^{147}Ce(56.4 s)	268.80(7), 92.9(4.7), 374.23(3.5)
292.15 *11*	0.062 *15*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
292.15 *16*	3.5 *5*	^{186}Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
292.16 *10*	0.34 *4*	^{151}Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
292.2 *3*	†4.4 *22*	^{171}Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
292.3 *5*	0.06 *3*	^{88}Nb(7.8 m)	1057.01(89.3), 1082.53(53.9), 399.41(45.7)
292.3	0.5	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
292.38 *6*	0.71 *5*	^{146}La(6.27 s)	258.47(64), 924.58(7.45), 702.28(6.43)
292.38 *6*	1.0	^{146}La(10.0 s)	258.47(93), 409.86(81), 514.75(31)
292.4 *5*	0.20 *5*	^{136}Nd(50.65 m)	108.90(32), 40.2(18.9), 574.8(10.4)
• 292.4 *3*	0.011 *7*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
292.4 *2*	†36 *4*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
• 292.409 *1*	0.058 *3*	^{161}Tb(6.88 d)	25.65150(23.2), 48.91562(17.0), 74.56711(10.2)
292.409 *1*		^{161}Ho(2.48 h)	25.65150(27), 103.062(3.9), 77.414(1.91)
• 292.410 *14*	1.27 *4*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
• 292.41 *9*	†4.4 *12*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
• 292.47 *4*	0.0250 *20*	^{145}Eu(5.93 d)	893.73(66), 653.512(15.0), 1658.53(14.9)
292.5 *12*	0.29 *18*	^{104}In(1.8 m)	658.0(100), 834.1(99), 878.1(29.4)
292.5 *3*	†1.0 *1*	^{160}Lu(36.1 s)	243.2(†100), 395.4(†21.0), 577.2(†10.7)
292.5	>0.019	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
• 292.51 *10*	0.82 *5*	^{177}Lu(160.4 d)	208.3664(57.7), 228.4838(37.0), 378.5029(29.7)
• 292.55 *20*	0.0049 *5*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
• 292.70 *20*	0.0057 *3*	^{103}Ru(39.26 d)	497.080(90.9), 610.33(5.75), 443.799(3.27)
292.7 *3*	†13.0 *24*	^{147}Ho(5.8 s)	189.1(†100), 883.9(†100), 486.7(†61)
292.7 *1*		^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
292.7 *5*	†0.7 *3*	^{198}Tl(1.87 h)	636.4(†202), 411.8044(†202), 587.2(†185)
292.70 *5*	0.275 *17*	^{200}Pt(12.5 h)	76.21(13), 135.90(3.24), 243.71(2.49)
• 292.70 *10*	0.0060 *7*	^{224}Ra(3.66 d)	240.987(3.97), 645.50(0.0052), 422.04(0.0029)
292.70 *10*	†39 *2*	^{220}At(224 s)	240.987(†100), 422.04(†23), 645.50(†6)
• 292.77 *6*	0.0025 *7*	^{237}U(6.75 d)	59.537(34.5), 208.00(21.14), 26.345(2.43)
• 292.77 *6*	†1.42×10^5 *5*	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^9), 33.195(†6000×10^8)
292.8 *2*	†8.8 *31*	^{94}Kr(0.20 s)	629.2(†100), 764.5(†71), 219.466(†67.4)
• 292.8 *3*	0.022 *9*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 292.80 *3*	0.043 *3*	^{206}Po(8.8 d)	1032.26(32.9), 511.36(24.1), 286.410(23.8)
292.80 *3*		^{210}At(8.1 h)	82.802(†480000), 106(†170000), 167(†110000)
292.80 *1*	0.429 *7*	^{213}Bi(45.59 m)	440.46(26.1), 807.36(0.292), 1100.16(0.29)
292.82 *3*	0.36 *3*	^{207}At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
292.83 *19*	>2	^{186}Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
292.844 *4*	2.67 *13*	^{75}Br(96.7 m)	286.572(88), 141.3147(6.6), 427.883(4.4)
292.88 *8*	0.090 *6*	^{93}Kr(1.286 s)	253.42(41.2), 323.89(24.1), 266.83(20.6)
292.88 *10*	0.039 *4*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
292.9 *1*	36.8 *18*	^{119}Cd(2.69 m)	343.0(16.9), 1609.7(10.9), 1763.7(9.2)
292.9 *1*	0.112 *15*	^{119}Cd(2.20 m)	1025.0(24.8), 2021.3(22.6), 720.7(17.9)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
292.90 *10*	0.42 *4*	^{123}Cd(1.82 s)	1165.86(25.7), 1027.45(22.6), 2102.81(12.5)
292.9 *4*	1.28 *12*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
292.9 *2*	0.09	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
292.9 *4*		^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
292.9 *1*	†3.8 *5*	^{230}Ra(93 m)	72.0(†100), 63.0(†35.4), 202.8(†27.3)
292.9 *1*	0.296 *4*	^{235}Th(7.1 m)	417.0(2), 727.2(0.87), 696.1(0.64)
• 292.91 *12*		^{229}Th(7340 y)	193.509(4.4), 210.853(2.8), 86.40(2.57)
292.98 *20*		^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
292.98 *6*	0.84 *5*	^{194}Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
293.0 *3*	†0.3	^{111}Rh(11 s)	275.4(†100.0), 411.8(†9.42), 230.0(†8.9)
293.0 *3*	†0.29 *3*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
293.0 *2*	4 *1*	^{132}Sb(4.10 m)	696.8(100), 973.9(100), 150.6(66)
293.0 *3*	0.060 *3*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
293.0 *1*	3.4 *3*	^{176}Tm(1.9 m)	189.57(44.5), 1069.3(34), 381.8(21.8)
293	0.6	^{221}Ra(28 s)	149.0(9.0), 93.1(2.1), 174.1(1.6)
293.0	†12	^{238}Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
293.1 *5*	>0.35	^{137}Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
293.1 *3*	0.06	^{154}Pm(1.73 m)	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
293.1 *3*	0.34	^{154}Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
293.1	>0.14	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
293.15 *5*	0.0033 *3*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
293.17 *11*	0.025 *5*	^{133}La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
293.18 *20*	0.50 *12*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
293.2 *4*	1.03 *4*	^{86}Se(15.3 s)	2441.1(43.0), 2660.0(21.6), 48.3(15.4)
293.2 *1*	0.436 *20*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
293.20 *2*	0.264 *12*	^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
• 293.2 *1*	0.10	^{147}Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
293.2		^{190}Bi(6.3 s)	
293.2 *5*	0.017 *9*	^{245}Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
293.25 *5*	0.045 *13*	^{183}Os(13.0 h)	381.768(89.6), 114.463(20.63), 167.844(8.81)
• 293.266 *2*	42.80 *13*	^{143}Ce(33.039 h)	57.356(11.7), 664.571(5.69), 721.929(5.39)
293.27 *6*	0.062 *3*	^{121}I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
293.3 *5*	†16.7 *17*	^{88}Se(1.52 s)	159.2(†100), 259.2(†82), 1903.7(†64)
293.3 *4*	1.31 *22*	^{99}Pd(21.4 m)	136.00(73), 263.60(15.2), 673.38(6.9)
• 293.3 *9*	0.29 *15*	^{127}Sb(3.85 d)	685.7(37), 473.0(25.7), 783.7(15.0)
293.3 *2*	2.0 *10*	^{141}Gd(14 s)	215.8(54), 525.9(17), 336.2(17.1)
293.3 *1*	16.8 *17*	^{141}Tb(3.5 s)	343.6(16.3), 198.4(14.8), 136.7(14.3)
293.34 *10*	†17.5 *10*	^{159}Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
293.37 *15*	0.0044 *12*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
293.40 *8*	0.0096 *15*	^{166}Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
293.47 *10*	2.34 *13*	^{121}Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
293.47 *2*	2.84 *19*	^{191}Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
293.48 *20*	>0.0050	^{130}I(12.36 h)	536.09(99), 668.54(96), 739.48(82)
293.5 *5*	†100 *25*	^{134}Pr(11 m)	299.0(†100), 1196.8(†100), 1125.4(†100)
293.54 *13*	1.025 *23*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
293.54 *4*	†100 *7*	^{215}Bi(7.6 m)	271.23(†5.5), 517.63(†1.9), 833(†1.4)
293.54 *4*	0.073 *4*	^{219}Rn(3.96 s)	271.23(10.8), 401.81(6.37), 130.59(0.119)
293.545 *13*	2.55 *10*	^{194}Ir(19.15 h)	328.455(13.1), 645.157(1.17), 938.70(0.599)
• 293.545 *13*	10.2 *5*	^{194}Au(38.02 h)	328.455(60), 1468.91(6.3), 2043.67(3.54)
293.56 *10*	0.47	^{115}Pd(25 s)	342.71(8), 303.87(7), 396.56(6)
293.59 *9*	2.82 *9*	^{70}Se(41.1 m)	49.51(35.8), 426.15(29), 376.65(9.43)
293.59 *22*	†2.5 *4*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
293.60 *21*	0.010	^{115}Sb(32.1 m)	497.358(98), 489.27(1.3), 1236.52(0.58)
293.6		^{161}Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 293.61 *6*	0.0114 *12*	^{172}Tm(63.6 h)	78.7435(6.5), 1093.657(6.0), 1387.093(5.6)
293.79 *5*	2.99 *21*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
293.8 *1*	0.27 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
• 293.8 *2*	0.07	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)
293.81 *11*	†2 *1*	^{101}Nb(7.1 s)	276.10(†100), 157.466(†32), 13.5(†32)
293.9 *5*	4.0 *8*	^{78}Ge(88.0 m)	277.3(96)
293.9 *3*		^{161}Eu(26 s)	314.3, 163.7, 91.9
• 293.91 *4*	0.00013 *2*	^{233}U(1.592×10^5 y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
294.0 *3*	†6.3	^{149}Ce(5.3 s)	57.7(†100), 380.0(†33.7), 86.4(†20.2)
294.00 *4*	0.439 *24*	^{161}Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
294.0 *4*	0.16 *4*	^{175}Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
294.0 *7*	0.86 *9*	^{199}Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
294.07 *5*	1.06 *6*	^{208}At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
294.08 *25*	†4.3 *5*	^{193}Tl(21.6 m)	324.37(†100), 1044.7(†59), 676.10(†48)
294.1 *4*	0.9 *4*	^{132}Pm(6.3 s)	212.5(88), 397.2(23), 610.4(12.3)
294.1 *1*	0.98 *7*	^{247}Cf(3.11 h)	447.8(0.55), 417.9(0.34), 407.0(0.190)
294.2 *5*	0.19 *4*	^{70}As(52.6 m)	1039.20(81), 1114.1(21.8), 668.3(21.8)
294.2 *10*	0.24 *3*	^{118}Ag(3.76 s)	487.77(60), 677.13(11.9), 2788.7(11.8)
294.2 *10*	1.59 *16*	^{118}Ag(2.0 s)	487.77(57), 677.13(53), 1058.39(14.8)
294.2 *2*	†100	^{134}Pm(24 s)	494.7(†60), 459.3(†15), 631.3(†10)
294.2 *5*	1.0 *4*	^{195}Pb(15.0 m)	383.64(106.9), 394.21(44), 878.40(24.2)
294.2 *5*	0.0013 *7*	^{230}Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
• 294.2 *5*	0.038 *16*	^{230}Pa(17.4 d)	951.95(1.65), 918.48(8.2), 454.95(6.27)
294.23 *5*	0.498 *24*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
• 294.264 *15*	†5.4×10^4 *4*	^{134}Ce(75.9 h)	162.306(†230000), 130.414(†209000), 39.08(†>150000)
294.3 *4*	†2.0 *10*	^{155}Nd(8.9 s)	180.574(†100), 418.99(†75), 955.08(†50)
294.3 *1*	†6.7 *10*	^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
• 294.3 *1*	0.033	^{235}U(7.038×10^8 y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
294.38 *15*	1.3 *3*	^{125}Cd(0.65 s)	436.29(37), 1099.48(22.3), 2147.19(19.1)
294.4	0.07 *4*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
294.4 *2*	0.9 *3*	^{200}Bi(36.4 m)	1026.5(100), 462.34(98), 419.70(91)
294.5 *2*	0.091 *23*	^{123}Cs(5.94 m)	97.3(23), 596.7(10.1), 83.3(4.1)
294.50 *30*	0.060 *3*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
294.5 *4*	†89 *3*	^{171}W(2.38 m)	184.2(†100), 478.7(†83), 52.1(†51)
• 294.515 *20*	0.166 *3*	^{131}Ba(11.50 d)	496.326(47), 123.805(28.97), 216.078(19.66)
294.52 *17*	>0.17	^{181}Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
294.52 *11*	0.24 *3*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
• 294.54 *11*	0.00097 *25*	^{169}Yb(32.026 d)	63.12077(44.2), 197.95788(35.8), 177.21402(22.16)
294.59 *4*	†5 *2*	^{101}Nb(7.1 s)	276.10(†100), 157.466(†32), 13.5(†32)
294.6 *2*	0.66 *8*	^{136}Nd(50.65 m)	108.90(32), 40.2(18.9), 574.8(10.4)
294.6 *2*	3.8 *3*	^{152}Nd(11.4 m)	278.5(32), 250.1(21.8), 16.0(8.0)
294.6 *6*	†4.9	^{177}Os(2.8 m)	84.7(†100), 125.4(†63), 195.8(†61)
294.65 *5*	7.1 *4*	^{164}Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
294.66 *13*	0.932 *23*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
294.7 *1*	5.3 *4*	^{117}Xe(61 s)	28.5(7.0), 221.3(10.0), 32.3(7.6)
294.7 *2*	>0.06	^{146}La(6.27 s)	258.47(64), 924.58(7.45), 702.28(6.43)
294.7 *1*	0.050 *6*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
294.72 *11*	0.09 *5*	^{103}Tc(54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
294.75 *15*	>0.0048	^{131}Te(25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
• 294.75 *15*	0.0013 *5*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
294.75 *12*	1.43 *12*	^{190}Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
294.75 *12*	1.29 *12*	^{190}Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
• 294.75 *12*	6.6 *7*	^{190}Ir(11.78 d)	186.718(52.4), 605.24(39.9), 518.55(34.0)
294.8 *4*	0.08 *3*	^{97}Zr(16.91 h)	743.36(93), 507.64(5.03), 1147.97(2.61)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
294.8 *6*	†8 *1*	^{119}Xe(5.8 m)	231.8(†100), 98.5(†95), 461.5(†91)
294.8 *4*	0.048 *20*	^{140}Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
294.8 *3*	†11.4 *14*	^{143}Tb(12 s)	45.1(†100), 686.1(†48), 462.8(†45)
294.8 *3*	0.39 *8*	^{166}Lu(2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
294.8 *3*	0.0019 *4*	^{240}U(14.1 h)	44.10(1.05), 189.7(0.24), 66.5(0.154)
294.802 *10*	0.570 *16*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
294.82 *13*	0.22 *6*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
• 294.84 *9*	0.014 *5*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
294.89 *5*	0.048 *3*	^{155}Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
294.9 *5*	0.6 *4*	^{104}Tc(18.3 m)	358.0(89), 530.5(15.6), 535.1(14.7)
294.9 *3*	5.45 *18*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
294.93 *6*	0.092 *6*	^{119}I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
294.94 *10*	0.052 *5*	^{199}Tl(7.42 h)	455.46(12.4), 208.20597(12.3), 247.26(9.3)
294.959 *14*	0.48 *7*	^{184}Ta(8.7 h)	414.03(72), 252.848(43), 920.932(32.0)
• 294.959 *14*	0.022 *4*	^{184}Re(38.0 d)	903.279(37.9), 792.071(37.5), 111.208(17.1)
• 294.978 *20*	0.303 *5*	^{103}Ru(39.26 d)	497.080(90.9), 610.33(5.75), 443.799(3.27)
• 294.978 *20*	0.00280 *7*	^{103}Pd(16.991 d)	39.757(0.07), 357.47(0.0221), 497.080(0.00396)
295.0 *3*	0.19 *4*	^{76}Kr(14.8 h)	315.7(39), 270.2(21.1), 45.48(19.5)
295.0 *3*	0.044 *18*	^{101}Tc(14.22 m)	306.85(88), 545.06(6.0), 127.23(2.86)
• 295.0 *3*	0.73 *22*	^{101}Rh(3.3 y)	127.23(73), 197.6(70.8), 324.8(13.4)
• 295.00 *30*	0.016 *9*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
295.07 *9*	6.67 *11*	^{148}La(1.05 s)	158.468(55.6), 989.85(9.3), 760.30(8.6)
295.1 *2*	0.315 *21*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
295.1 *2*	0.024 *6*	^{212}Bi(60.55 m)	39.858(1.091), 452.83(0.31), 288.07(0.31)
295.11 *10*	10.3 *13*	^{184}Hg(30.6 s)	236.18(64), 156.24(58), 392.42(7.1)
295.14 *20*	0.50 *12*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
295.14 *20*	0.14 *4*	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
• 295.15 *20*	0.0045 *5*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
295.17	0.0016	^{123}I(13.27 h)	158.97(83), 528.96(1.39), 440.02(0.428)
295.2 *4*	†2.60 *26*	^{182}Ir(15 m)	273.23(†100), 126.79(†77), 236.3(†21.0)
• 295.2 *5*	2.1×10^{-5} *5*	^{233}U(1.592×10^{5} y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
295.2 *1*	0.44 *6*	^{240}Np(61.9 m)	566.34(25.3), 973.9(23.8), 600.57(18.4)
295.213 *8*	18.5 *3*	^{214}Pb(26.8 m)	351.921(35.8), 241.981(7.50), 53.226(1.11)
295.22 *8*	0.172 *20*	^{183}Hf(1.067 h)	783.754(66), 73.174(38), 459.069(27)
295.3 *1*	0.0076 *13*	^{110}Ag(24.6 s)	657.7622(4.5), 815.35(0.0382), 1125.700(0.0153)
295.3 *1*	0.039 *6*	^{110}In(69.1 m)	657.7622(98), 2129.53(2.13), 2211.49(1.76)
• 295.3 *3*	0.0025 *17*	^{172}Er(49.3 h)	610.062(44.2), 407.338(42.1), 68.107(3.29)
• 295.40 *6*	0.0032 *5*	^{147}Eu(24.1 d)	197.299(27), 121.220(22.9), 677.516(9.8)
• 295.4 *1*	0.016 *5*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
295.4 *3*	0.539 *22*	^{159}Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
295.5 *7*	0.016 *12*	^{89}Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
295.5 *6*	1.03 *9*	^{129}Sb(4.40 h)	812.8(43), 914.6(20.0), 544.7(17.9)
295.5	1.7	^{134}Nd(8.5 m)	163.2(58), 288.9(13), 216.8(12)
295.5 *3*	0.40 *7*	^{207}Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
295.5 *1*	†7 *1*	^{227}Rn(22.5 s)	162.14(†100), 739.2(†65), 686.2(†62)
295.53 *7*	†1.00 *8*	^{188}Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
295.59 *6*	†43 *9*	^{171}Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
295.597 *3*	0.32 *5*	^{109}Rh(80 s)	326.868(54), 426.135(7.7), 178.034(7.6)
295.6 *2*	1.13 *13*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
295.6 *5*		^{153}Ho(9.3 m)	108.7(†100), 365.9(†92), 161.5(†83)
295.6 *5*	†1.9 *7*	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 234.0(†40.0)
295.68 *16*	0.24 *5*	^{75}Kr(4.3 m)	132.43(67), 154.66(20.8), 153.15(8.0)
• 295.70 *10*	1.15 *10*	^{99}Rh(16.1 d)	528.24(33), 353.05(30.0), 89.65(29.0)
295.70 *30*	0.014 *9*	^{105}Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 295.7	0.00239 *14*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
• 295.70 *7*	0.21 *8*	^{182}Re(64.0 h)	229.3220(26), 67.75001(22.2), 1121.3007(22.0)
295.7 *10*	0.103 *22*	^{201}Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
295.7	0.3 *1*	^{224}Th(1.05 s)	178.1(9), 410(0.8), 234.4(0.4)
295.72 *2*	0.22 *7*	^{245}Am(2.05 h)	252.80(6), 240.86(0.34), 42.88(0.06)
• 295.72 *2*		^{245}Bk(4.94 d)	252.80(29.1), 380.8(2.40), 385.0(0.57)
• 295.72 *2*	0.136 *6*	^{249}Cf(351 y)	388.16(66), 333.37(14.6), 252.80(2.50)
295.78 *4*	71.0 *14*	^{190}Au(42.8 m)	301.82(23.4), 597.67(9.4), 2382.6(5.1)
295.8 *2*	1.43 *10*	^{121}Cs(155 s)	153.9(15.2), 239.6(7.7), 427.1(3.63)
295.8 *2*	0.44 *5*	^{121}Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
295.80 *14*	>3.2	^{131}Sb(23.03 m)	943.4(47), 933.1(26.1), 642.30(23)
• 295.8 *2*	0.0018 *8*	^{131}I(8.02070 d)	364.489(81.7), 636.989(7.17), 284.305(6.14)
295.8 *1*	67	^{153}Ho(2.0 m)	637.0(5.36), 688.5(3.7), 1276.5(3.3)
295.901 *13*	28.9 *8*	^{171}Er(7.516 h)	308.31(64.4), 111.621(20.5), 124.015(9.1)
295.91 *8*	0.144 *21*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
295.933 *22*	0.687 *25*	^{208}Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
• 295.939 *8*	0.44 *1*	^{152}Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
• 295.95827 *12*	28.67 *9*	^{192}Ir(73.831 d)	316.50791(82.81), 468.07152(47.83), 308.45692(30.00)
295.95827 *12*		^{192}Ir(1.45 m)	612.46564, 316.50791
295.95827 *12*	22.3 *3*	^{192}Au(4.94 h)	316.50791(58.0), 2236.89(5.6), 612.46564(4.34)
295.96 *3*	†1.47×10^4 *11*	^{158}Er(2.29 h)	71.91(†23300), 386.84(†111000), 248.58(†42000)
296		^{109}Tc(0.87 s)	194.6(†100), 128.7(†51), 96.2(†48)
296.0 *5*	0.4 *4*	^{117}I(2.22 m)	325.9(75), 274.4(20.4), 661.5(5.1)
296.0 *1*	2.1 *3*	^{129}Sn(2.23 m)	645.13(100), 80.5(6.6), 913.2(5.0)
296.00 *12*		^{132}Ce(3.51 h)	182.11(77), 155.37(10.5), 216.83(4.95)
296.0 *1*	0.06 *3*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
• 296	0.0014 *11*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
296.0		^{161}Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
296	†>15	^{173}Ir(2.20 s)	49.6(†100), 285.0(†76), 296.4(†48)
296	†>7	^{173}Ir(9.8 s)	49.6(†100), 285.0(†37), 91.6(†30)
296.0 *4*	0.08	^{203}Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
296 *10*		^{257}Rf(4.7 s)	117.0, 47.4, 63.2
296.04 *5*	0.36 *6*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
296.06 *21*	0.29 *7*	^{83}Se(22.3 m)	356.687(70), 510.17(43), 224.8(32.7)
296.09 *13*	0.21 *7*	^{181}Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
296.1 *3*	†1.93 *16*	^{201}Po(15.3 m)	890.1(†100), 240.1(†71.0), 904.2(†54.8)
296.1 *2*	†1.06 *18*	^{230}Ra(93 m)	72.0(†100), 63.0(†35.4), 202.8(†27.3)
296.11 *17*	0.37 *6*	^{175}Tm(15.2 m)	514.868(65), 941.23(15), 363.942(12.7)
• 296.119 *9*	3.88 *9*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
296.12 *5*	3.3	^{135}Pr(24 m)	296.12(24), 82.64(13.7), 213.45(13.0)
296.12 *5*	24 *3*	^{135}Pr(24 m)	82.64(13.7), 213.45(13.0), 538.2(8.1)
296.20 *20*	†86 *8*	^{112}Te(2.0 m)	372.70(†100), 418.9(†57), 350.9(†36)
• 296.2 *2*	0.012 *10*	^{229}Th(7340 y)	193.509(4.4), 210.853(2.8), 86.40(2.57)
• 296.21 *7*	0.055 *3*	^{148}Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
296.242 *25*	2.60 *7*	^{157}Pm(10.56 s)	160.61(35), 188.052(13.5), 571.27(5.39)
• 296.28 *5*	0.027 *7*	^{189}Re(24.3 h)	216.663(5.50), 219.395(4.54), 245.09(3.5)
296.29 *3*	19	^{101}Pd(8.47 h)	590.44(12.06), 269.67(6.43), 24.46(3.90)
296.3		^{167}Ta(1.4 m)	278.0, 214.2, 139.5
296.363 *18*	8.9 *5*	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
296.4 *1*	†48 *6*	^{173}Ir(2.20 s)	49.6(†100), 285.0(†76), 147.7(†48)
296.4 *2*	†<1.5	^{182}Au(21 s)	154.76(†100), 264.33(†40.0), 855.41(†14.5)
296.40 *6*	0.488 *11*	^{194}Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
• 296.4581 *6*	5.08 *14*	^{177}Lu(160.4 d)	208.3664(57.7), 228.4838(37.0), 378.5029(29.7)
296.46 *9*	0.69 *10*	^{184}Ta(8.7 h)	414.03(72), 252.848(43), 920.932(32.0)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
296.5 *2*	17	^{115}Rh(0.99 s)	127.9(64.6), 125.6(33.3), 164.5(17)
296.5	0.11 *7*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
296.51 *5*	0.00048 *6*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 296.51 *5*	†30 *4*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
• 296.526 *3*	4.46 *3*	^{156}Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
296.53 *7*	21.7 *5*	^{139}Xe(39.68 s)	218.59(56), 174.97(11.3), 289.78(9.2)
296.53 *5*	0.41 *4*	^{228}Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
• 296.59 *25*	0.0067 *15*	^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
296.6 *2*	8.9 *9*	^{140}Gd(15.8 s)	174.8(76), 749.9(70), 379.0(38)
296.6 *1*	0.069 *6*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
296.6 *4*	0.32 *4*	^{209}Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
296.611 *12*		^{102}Nb(1.3 s)	948.85, 397.69, 847.37
296.611 *12*	79 *8*	^{102}Nb(4.3 s)	1633.10(41), 551.54(30), 447.13(19.6)
296.67 *10*	9.9 *9*	^{74}Kr(11.50 m)	89.65(31), 203.0(18.0), 62.84(9.6)
296.69 *5*	1.04 *8*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
296.7 *6*	0.09 *4*	^{103}Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
296.70 *20*	0.18 *5*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
• 296.70 *20*	0.0076 *7*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
296.7 *5*	†1.5	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
296.7 *1*	0.032 *16*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
• 296.7 *2*	†5.4 *9*	^{258}Md(51.5 d)	367.8(†100), 447.9(†37), 276.8(†20.2)
296.8 *4*	†1.5	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
296.84 *8*	>0.0015	^{239}U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
296.88 *3*	1.3 *4*	^{97}Y(3.75 s)	3287.6(18.1), 3401.3(14.1), 1996.6(7.4)
296.88 *3*	1.4 *4*	^{97}Y(1.17 s)	1103.0(92.6), 161.4(71.8), 1091(56)
• 296.911 *14*	4.9×10^{-5} *16*	^{186}Re(90.64 h)	137.155(8.22), 767.508(0.0255), 630.354(0.0230)
296.911 *14*	64.0 *15*	^{186}Ir(16.64 h)	137.155(42), 434.849(34.4), 773.276(9.1)
296.911 *14*	9.9 *13*	^{186}Ir(2.0 h)	137.155(27), 767.508(21.2), 630.354(18.0)
296.974 *9*	33.9 *7*	^{173}Hf(23.6 h)	123.672(83), 139.634(12.7), 311.239(10.75)
297.0 *1*	97 *5*	^{134}Sb(10.43 s)	1279.1(100), 706.3(57), 115.2(49)
297.00 *10*	$\dagger1.67\times10^{3}$ *19*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
297.0 *3*	0.11 *4*	^{181}Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
297.0 *1*	0.19 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
297.0 *4*	0.033 *16*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
297.07 *6*	0.35 *4*	^{199}Tl(7.42 h)	455.46(12.4), 208.20597(12.3), 247.26(9.3)
297.09 *5*	0.007 *5*	^{131}Te(25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
297.09 *5*	0.043 *5*	^{131}Te(25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
• 297.09 *5*	0.066 *10*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
297.1 *4*	0.44 *9*	^{70}Se(41.1 m)	49.51(35.8), 426.15(29), 376.65(9.43)
297.10 *20*	0.234 *24*	^{91}Tc(3.14 m)	2450.90(13.5), 1639.90(9.2), 1605.20(7.77)
297.1 *5*	0.33 *17*	^{97}Rh(46.2 m)	189.21(49), 2245.6(14), 421.55(12.7)
297.1 *3*	0.20 *4*	^{188}Hg(3.25 m)	66.7(63), 190.1(4.40), 82.7(2.6)
297.14 *15*	0.049 *7*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
297.2 *3*	0.066 *11*	^{97}Zr(16.91 h)	743.36(93), 507.64(5.03), 1147.97(2.61)
297.2 *1*	3.7 *3*	^{151}Er(0.58 s)	789.4(5.1), 597.4(4.4), 414.1(2.7)
297.2 *10*	0.052 *9*	^{157}Dy(8.14 h)	326.16(92), 182.20(1.84), 83.01(0.62)
• 297.215 *4*	4.16 *18*	^{77}Br(57.036 h)	238.996(23), 520.639(22.4), 249.786(2.98)
• 297.24 *8*	0.010 *5*	^{160}Tb(72.3 d)	879.383(30.01), 298.580(25.51), 966.171(25.21)
297.24 *8*	†3.64 *23*	^{160}Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
297.24 *8*	1.70 *11*	^{160}Ho(25.6 m)	728.18(46.9), 879.383(26.6), 962.317(25.6)
• 297.26 *3*	4.5 *4*	^{126}Sb(12.46 d)	695.03(100), 666.331(100), 414.81(83.3)
297.3		^{98}Y(0.548 s)	1223.0(36.0), 2941.3(16.7), 1590.9(14.7)
• 297.3 *2*	0.50 *20*	^{126}Sb(12.46 d)	695.03(100), 666.331(100), 414.81(83.3)
297.3 *5*	0.6	^{136}Te(17.5 s)	2077.9(22), 333.99(19), 578.75(18)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
297.3	0.012 *7*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
297.32 *5*	79.8 *16*	^{73}Ga(4.86 h)	325.70(11.17), 739.42(4.23), 767.8(1.44)
• 297.369 *6*	12.71 *25*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 806.372(9.5)
• 297.4 *2*	0.35 *6*	^{147}Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
297.44 *21*	0.955 *19*	^{207}Po(5.80 h)	992.33(59.3), 742.64(28.2), 911.79(16.95)
• 297.450 *6*	4.98×10^{-5} *8*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
297.5 *5*	†14.5 *25*	^{189}Au(28.7 m)	713.17(†100), 812.68(†63), 447.65(†55)
297.5 *2*	†2.5	^{256}Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
297.6 *5*		^{132}La(24.3 m)	464.55(22), 663.07(11.6), 285.6(7)
297.6 *1*	†13.2 *6*	^{152}Pr(3.24 s)	164.2(†100), 284.9(†81.0), 72.40(†38.9)
297.6 *2*	†0.44 *18*	^{230}Ra(93 m)	72.0(†100), 63.0(†35.4), 202.8(†27.3)
297.61 *6*	0.396 *5*	^{143}Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
297.67 *13*	†34 *3*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
297.7 *3*	0.22 *4*	^{149}Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
297.7 *2*	†1.81 *19*	^{168}Re(4.4 s)	199.3(†100), 363.2(†95), 479.8(†62.8)
• 297.70 *20*	0.0038 *5*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
• 297.7 *1*	0.00132 *9*	^{177}Ta(56.56 h)	112.9498(7.2), 208.3664(0.94), 1057.8(0.29)
297.7	>0.032	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
297.72 *12*	0.31 *8*	^{204}At(9.2 m)	684.341(95), 516.318(90), 426.253(67.5)
297.77 *25*	0.014 *5*	^{168}Ho(2.99 m)	741.356(36.6), 821.164(34.5), 815.990(18.6)
297.8 *1*	†1.04 *9*	^{123}La(17 s)	92.5(†100), 937.3(†43), 153.6(†43)
• 297.80 *5*	0.038 *5*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
297.87 *3*	0.478 *17*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
297.88 *10*	0.012	^{163}Er(75.0 m)	1113.5(0.0490), 436.1(0.0285), 439.94(0.0276)
297.90 *7*	22.2 *17*	^{61}Fe(5.98 m)	1205.07(44), 1027.42(42.7), 1645.95(7.0)
297.9 *3*	†0.29 *3*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
297.9 *3*	0.05 *5*	^{142}La(91.1 m)	641.285(47), 2397.8(13.3), 2542.7(10.00)
297.9 *1*	†1.00 *23*	^{160}Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
298.00 *7*	0.119 *9*	^{137}Xe(3.818 m)	455.490(31), 848.95(0.62), 1783.43(0.415)
298.0 *1*	4.26 *10*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
298.0 *3*	0.048 *9*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
298 *1*	79 *10*	^{210}Tl(1.30 m)	799.7(99), 1316(21), 1210(17)
298 *1*	5.2×10^{-5} *17*	^{214}Po(164.3 us)	799.7(0.0104)
298.0 *3*	0.0049 *25*	^{230}Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
• 298.0 *3*	0.044 *22*	^{230}Pa(17.4 d)	951.95(1.65), 918.48(8.2), 454.95(6.27)
298.0 *1*	0.56 *4*	^{249}Es(102.2 m)	379.5(40.4), 813.2(9.2), 375.1(3.3)
298.061 *14*	0.116 *20*	^{150}Pm(2.68 h)	333.971(68), 1324.51(17.5), 1165.739(15.8)
• 298.061 *14*	0.644 *9*	^{150}Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
298.09 *21*	†12 *3*	^{164}Tm(2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)
298.1 *1*	21.1 *12*	^{117}Ag(5.34 s)	135.4(48), 386.8(39.9), 522.1(9.4)
298.1 *1*	0.46 *11*	^{117}Ag(72.8 s)	135.4(23), 337.7(10.3), 157.1(7.9)
298.1 *2*	†2.0 *4*	^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
298.1 *2*	2.05 *23*	^{194}Tl(32.8 m)	636.5(99), 428.0(99), 748.9(76)
• 298.1 *3*	†1.9 *6*	^{258}Md(51.5 d)	367.8(†100), 447.9(†37), 276.8(†20.2)
298.2 *3*	0.049 *18*	^{199}Pt(30.80 m)	542.993(15), 493.772(5.59), 317.056(4.95)
298.207 *20*	0.180 *4*	^{166}Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
298.22 *8*	<0.5	^{16}C(0.747 s)	120.42(0.67), 276.85(<0.07), 397.27(<0.03)
• 298.3 *5*	0.025 *7*	^{69}Ge(39.05 h)	1107.01(36), 574.17(13.3), 872.14(11.9)
• 298.3 *4*	0.028 *12*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
298.38 *10*	0.109 *20*	^{210}At(8.1 h)	1181.39(99.3), 245.31(79), 1483.39(46.5)
298.4 *2*	0.26 *5*	^{97}Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
298.4 *1*	4.5 *6*	^{129}Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
298.43 *6*	0.153 *9*	^{103}Ag(65.7 m)	118.72(31.2), 148.193(28.3), 266.86(13.3)
298.46 *15*	1.35 *8*	^{161}Yb(4.2 m)	78.20(34), 599.88(25.9), 631.45(13.9)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
298.5	0.06	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
298.5	0.21	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
298.5 *2*	†10.6 *21*	^{187}Hg(1.9 m)	233.38(†100), 376.34(†38), 240.26(†33)
298.52 *12*	0.16 *4*	^{101}Sr(118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
• 298.57 *5*	0.079 *20*	^{241}Cm(32.8 d)	471.805(71), 430.634(4.06), 132.413(3.86)
• 298.57 *5*		^{245}Bk(4.94 d)	205.879(0.040), 471.805(0.026), 164.8(0.0084)
298.58 *2*	10	^{113}Ag(5.37 h)	258.8(1.64), 316.3(1.343), 672.3(0.87)
298.58 *2*	10	^{113}Ag(68.7 s)	316.3(18), 392.3(11), 583.8(3.6)
• 298.580 *2*	25.51 *12*	^{160}Tb(72.3 d)	879.383(30.01), 966.171(25.21), 1177.962(15.07)
298.580 *2*	†3.36 *23*	^{160}Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
298.58 *9*	0.29 *4*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
298.6 *2*	0.11 *3*	^{104}Tc(18.3 m)	358.0(89), 530.5(15.6), 535.1(14.7)
298.6 *7*	0.032 *13*	^{111}Sn(35.3 m)	1152.98(2.7), 1914.70(1.99), 761.97(1.48)
298.6	10	^{144}Dy(9.1 s)	196.5(11), 475.5(5.0), 321.5(2.2)
• 298.6 *5*	0.006 *3*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
298.6 *4*	0.08 *4*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 298.634 *5*	28.6 *7*	^{149}Gd(9.28 d)	149.735(48.2), 346.651(23.9), 748.601(8.22)
298.67 *14*	25.4 *12*	^{186}Au(10.7 m)	191.56(62), 764.89(10.5), 415.61(8.5)
298.70 *4*		^{168}Lu(5.5 m)	1483.65(†100), 228.58(†97), 111.8(†68)
298.70 *4*	2.6 *3*	^{168}Lu(6.7 m)	198.82(28), 979.22(20), 896.12(15)
298.7	0.093 *10*	^{208}Fr(59.1 s)	635.8(10), 778.5(6.8), 325.3(5.2)
298.76	<0.02	^{214}Pb(26.8 m)	351.921(35.8), 295.213(18.5), 241.981(7.50)
298.77 *20*	1.3 *4*	^{166}Hf(6.77 m)	78.76(41), 341.82(4.7), 407.91(4.5)
298.8 *5*	0.40 *8*	^{70}As(52.6 m)	1039.20(81), 1114.1(21.8), 668.3(21.8)
298.8 *4*	0.017 *9*	^{119}I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
298.8 *2*	†7.6 *9*	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 234.0(†40.0)
298.81 *14*	0.72 *6*	^{148}La(1.05 s)	158.468(55.6), 989.85(9.3), 760.30(8.6)
• 298.82 *3*	0.186 *16*	^{193}Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
• 298.89 *20*	0.035	^{233}Pa(26.967 d)	312.17(38.6), 300.34(6.62), 340.81(4.47)
298.89 *20*	0.44 *5*	^{233}Np(36.2 m)	312.17(0.7), 546.9(0.280), 506.5(0.154)
• 298.89 *20*	†7.85×10^6 *20*	^{237}Pu(45.2 d)	280.40(†870000), 320.75(†6.48×10^6), 228.56(†3.93×10^6)
298.91 *14*	†12 *2*	^{181}Pt(51 s)	289.29(†100), 111.97(†100), 230.15(†92)
298.96 *20*	0.28 *5*	^{197}Pb(43 m)	385.85(74), 387.72(25.1), 222.45(24.6)
• 298.97 *3*	0.0025 *10*	^{151}Gd(124 d)	153.56(6.20), 243.28(5.60), 174.70(2.96)
299.0 *5*	†100 *40*	^{134}Pr(11 m)	293.5(†100), 1196.8(†100), 1125.4(†100)
299.03 *5*	1.23 *9*	^{100}Sr(202 ms)	963.85(22.0), 898.50(18.9), 65.46(15.2)
• 299.0506 *17*	1.80 *5*	^{177}Lu(160.4 d)	208.3664(57.7), 228.4838(37.0), 378.5029(29.7)
299.06 *15*	1.04 *15*	^{121}Cd(13.5 s)	324.976(49.5), 1040.26(16.8), 349.937(12.9)
299.1 *2*	0.86 *12*	^{76}Kr(14.8 h)	315.7(39), 270.2(21.1), 45.48(19.5)
• 299.1 *3*	0.089 *18*	^{148}Pm(41.29 d)	550.284(94.5), 629.987(89), 725.673(32.7)
299.1 *2*	0.030 *10*	^{223}Ac(2.10 m)	98.58(0.891), 191.3(0.58), 83.55(0.57)
299.1 *2*	0.013 *5*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
299.1 *2*	†6.4×10^2 *13*	^{234}Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
• 299.1 *2*	0.021 *2*	^{234}Np(4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
• 299.1 *2*	4.8×10^{-8} *13*	^{238}Pu(87.74 y)	43.498(0.0395), 99.853(0.00735), 152.720(0.000937)
299.11 *3*	1.25 *13*	^{135}Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
299.20 *10*	0.17 *6*	^{106}Tc(35.6 s)	270.07(56), 2239.30(13.6), 1969.40(8.9)
299.2 *3*	49 *6*	^{132}In(0.201 s)	374.3(62), 4040.8(61), 2379.7(29)
299.2 *2*	0.106 *18*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
299.2 *1*	0.83 *16*	^{225}Th(8.72 m)	321.4(23), 246.0(5.06), 359.0(4.1)
299.24 *25*	†0.77 *8*	^{182}Ir(15 m)	273.23(†100), 126.79(†77), 236.3(†21.0)
299.3 *4*	2.2 *4*	^{136}Sm(47 s)	114.4(36), 747.7(5.4), 485.3(5.0)
299.3 *4*	0.7	^{136}Sm(47 s)	114.4(36), 747.7(5.4), 485.3(5.0)
299.3 *1*	6	^{153}Tm(1.48 s)	765.5(1.92), 965.3(0.82), 205.2(0.61)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
299.33 *5*	0.81 *4*	^{143}Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
299.34 *4*	†24	^{197}Ir(5.8 m)	469.72(†100), 430.56(†61), 815.92(†45)
299.34	0.12	^{203}Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
• 299.34 *6*	0.030 *8*	^{246}Pu(10.84 d)	43.81(25.0), 223.75(23.5), 179.94(9.7)
299.377 *3*	0.24 *4*	^{75}Br(96.7 m)	286.572(88), 141.3147(6.6), 427.883(4.4)
299.4 *4*	0.07 *3*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
299.45 *10*	0.45 *8*	^{117}Cd(3.36 h)	1997.33(26), 1065.98(23.1), 564.397(14.7)
299.5 *5*	3.8 *18*	^{139}Eu(17.9 s)	267.3(31), 155.3(31), 190.1(25)
299.5 *3*	†100 *5*	^{187}Pb(15.2 s)	617.2(†2.67), 493.6(†2.67), 448.7(†1.33)
299.5 *5*	1.0 *3*	^{194}Tl(32.8 m)	636.5(99), 428.0(99), 748.9(76)
• 299.53 *10*	1.54 *8*	^{79}Kr(35.04 h)	261.29(13), 397.54(9.3), 606.09(8.12)
299.55 *5*	0.0477 *22*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
• 299.57 *8*	0.133 *16*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
299.6 *2*	0.028 *9*	^{98}Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
299.6 *2*	0.061 *17*	^{119}I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
299.6 *3*	†1.9 *8*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
299.6 *3*	0.14 *4*	^{188}Hg(3.25 m)	66.7(63), 190.1(4.40), 82.7(2.6)
299.6 *2*	0.97 *9*	^{250}Es(8.6 h)	828.82(72), 303.41(21.6), 349.4(19.8)
299.667 *8*	4.56 *9*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
299.70 *6*	0.242 *15*	^{100}Sr(202 ms)	963.85(22.0), 898.50(18.9), 65.46(15.2)
299.7 *3*	2.10 *22*	^{158}Sm(5.30 m)	189.4(15.2), 363.6(12.4), 324.5(10.6)
299.7 *2*	3.0 *3*	^{176}Tm(1.9 m)	189.57(44.5), 1069.3(34), 381.8(21.8)
299.73 *10*	0.20 *1*	^{187}Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
299.77 *3*	0.47 *5*	^{184}Ta(8.7 h)	414.03(72), 252.848(43), 920.932(32.0)
299.8 *5*	†9.3 *10*	^{103}Mo(67.5 s)	83.4(†100), 423.91(†69), 45.8(†57)
299.8 *4*	0.07 *3*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
299.8 *2*	0.013 *1*	^{240}U(14.1 h)	44.10(1.05), 189.7(0.24), 66.5(0.154)
299.8 *7*	0.017 *9*	^{245}Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
299.82 *4*	0.40 *8*	^{193}Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
299.90 *20*	0.18 *3*	^{123}Cd(1.82 s)	1165.86(25.7), 1027.45(22.6), 2102.81(12.5)
299.9 *12*	0.49 *14*	^{186}Pt(2.0 h)	276.7(0), 611.5(6.0), 635.6(>3.8)
299.9	>0.06	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
299.94 *6*	0.039 *5*	^{131}Te(25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
• 299.95 *3*	1.3 *3*	^{182}Re(64.0 h)	229.3220(26), 67.75001(22.2), 1121.3007(22.0)
300.0 *4*	†12 *1*	^{116}Xe(56 s)	104.5(†100), 310.7(†42), 247.7(†40)
300.00 *16*	0.23 *4*	^{151}Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
300.0 *4*	†19 *1*	^{171}W(2.38 m)	184.2(†100), 294.5(†89), 478.7(†83)
300.0	5.2 *5*	^{179}Pt(21.2 s)	171.7(16), 193.1(14.2), 99.8(13.2)
300	†3.6	^{224}Ac(2.9 h)	156.4(†100), 140.8(†55), 261.6(†28)
300.00 *3*	0.0225 *15*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 300.00 *3*	†154 *11*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
• 300.00 *3*	†23 *3*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
300.0 *1*	0.15 *3*	^{236}Pa(9.1 m)	642.35(37.0), 687.59(9.9), 1762.7(6.0)
300.07 *2*	23.5 *3*	^{135}Ce(17.7 h)	265.56(41.8), 606.76(18.8), 518.05(13.6)
300.07 *1*	4.6	^{227}Ra(42.2 m)	27.36(16), 302.65(4.3), 283.69(3.1)
• 300.07 *1*	2.46 *7*	^{231}Pa(32760 y)	27.36(10.3), 302.65(2.2), 283.69(1.7)
300.087 *10*	3.28 *3*	^{212}Pb(10.64 h)	238.632(43.3), 115.183(0.592), 415.2(0.143)
300.1 *7*	0.44 *4*	^{199}Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
• 300.13 *6*		^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^9), 33.195(†6000×10^8)
300.15 *15*	†7.8 *10*	^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
• 300.19 *6*	0.0206 *8*	^{172}Er(49.3 h)	610.062(44.2), 407.338(42.1), 68.107(3.29)
300.2 *3*	0.24 *6*	^{117}Xe(61 s)	28.5(7.0), 221.3(10.0), 32.3(7.6)
300.2 *2*	†29	^{177}Os(2.8 m)	84.7(†100), 125.4(†63), 195.8(†61)
• 300.219 *10*	0.797 *11*	^{67}Cu(61.83 h)	184.577(48.7), 93.311(16.1), 91.266(7.0)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 300.219 *10*	16.80 *22*	^{67}Ga(3.2612 d)	93.311(39.2), 184.577(21.2), 393.529(4.68)
300.3 *2*	0.43 *12*	^{76}Kr(14.8 h)	315.7(39), 270.2(21.1), 45.48(19.5)
300.3 *5*	0.49 *19*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
300.3 *2*	0.25 *5*	^{118}Cs(14 s)	337.4(100), 472.8(37.4), 586.6(15.4)
300.3 *2*	0.65 *7*	^{185}Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
300.31 *10*	1.10 *9*	^{187}Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
• 300.34 *2*	6.62 *6*	^{233}Pa(26.967 d)	312.17(38.6), 340.81(4.47), 86.814(1.97)
300.34 *2*	0.12 *4*	^{233}Np(36.2 m)	312.17(0.7), 298.89(0.44), 546.9(0.280)
• 300.39 *4*	1.7 *4*	^{182}Re(64.0 h)	229.3220(26), 67.75001(22.2), 1121.3007(22.0)
300.4 *3*	0.87 *12*	^{74}Kr(11.50 m)	89.65(31), 203.0(18.0), 296.67(9.9)
• 300.4 *5*		^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
300.4 *5*	0.065 *22*	^{150}Tb(3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)
300.45 *15*	0.160 *24*	^{107}In(32.4 m)	204.97(47), 505.51(11.9), 320.92(10.2)
300.47 *12*	0.56 *7*	^{157}Pm(10.56 s)	160.61(35), 188.052(13.5), 571.27(5.39)
300.5 *3*		^{180}Hg(2.8 s)	300.5(†100), 381.2(†69), 479.9(†23.0)
300.5 *3*	†100	^{180}Hg(2.8 s)	381.2(†69), 479.9(†23.0), 405.0(†17)
300.50 *4*	3.72 *19*	^{189}Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
300.54 *10*	0.24 *4*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
300.58 *2*	2.03 *6*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
300.6 *2*	†7.6 *3*	^{136}Pm(107 s)	373.8(†100), 602.7(†38.4), 857.2(†23.4)
300.6 *2*	13.7 *6*	^{136}Pm(107 s)	373.8(15.0), 602.7(12.3), 857.2(12.72)
• 300.60 *20*	0.0045 *5*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
300.60 *5*	2.40 *16*	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
• 300.65 *7*	0.055 *4*	^{148}Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
300.654 *12*	12.8 *6*	^{207}At(1.80 h)	814.41(44.5), 588.33(19.2), 467.12(7.1)
300.7 *10*	0.09 *5*	^{79}Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
300.7 *5*	0.24 *6*	^{96}Rh(9.90 m)	832.57(100), 685.49(95.7), 631.71(74.5)
300.7 *2*	2.58 *19*	^{121}Xe(40.1 m)	252.7(13), 132.8(10.9), 445.2(7.7)
300.7 *1*	8.9 *18*	^{141}Gd(24.5 s)	351.1(89), 223.9(64), 574.9(51)
300.742 *14*	0.348 *14*	^{194}Ir(19.15 h)	328.455(13.1), 293.545(2.55), 645.157(1.17)
• 300.742 *14*	0.83 *6*	^{194}Au(38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
• 300.762 *9*	3.732 *22*	^{166}Ho(1.20×10^3 y)	184.410(72.6), 810.276(58.08), 711.683(55.32)
300.8 *2*	3.7 *8*	^{118}Pd(1.9 s)	125.4(34), 125.4(34), 224.2(20.1)
300.8 *3*	0.045 *9*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
• 300.884 *15*	88000 *7*	^{134}Ce(75.9 h)	162.306(†230000), 130.414(†209000), 39.08(†>150000)
300.9 *1*	0.00267 *17*	^{107}Cd(6.50 h)	93.124(1.45), 828.93(0.17), 796.462(0.0665)
300.92 *5*	1.18 *16*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
301.0 *1*	0.027 *4*	^{119}I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
301 *1*	0.018	^{161}Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
301.05 *16*	0.38 *5*	^{197}Pb(43 m)	385.85(74), 387.72(25.1), 222.45(24.6)
301.11 *6*	2.11 *6*	^{95}Ru(1.643 h)	336.43(70.2), 1096.76(21.0), 626.77(17.8)
301.128 *14*	0.376 *10*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
301.2 *1*	4.8 *3*	^{188}Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
• 301.25	0.0103 *4*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
301.30 *3*	1.45 *7*	^{81}Sr(22.3 m)	153.54(33.8), 147.76(30.1), 443.34(17.5)
301.3	†19	^{107}Mo(3.5 s)	400.3(†100), 65.7(†>92), 384.4(†57.6)
301.4 *3*	2.4 *5*	^{131}Sb(23.03 m)	943.4(47), 933.1(26.1), 642.30(23)
301.4 *3*	0.21 *4*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
• 301.4 *3*	0.012 *1*	^{238}Np(2.117 d)	984.45(27.8), 1028.54(20.3), 1025.87(9.6)
301.4 *3*	0.50 *4*	^{238}Am(98 m)	962.77(28), 918.69(23.0), 561.11(10.9)
301.42 *10*	0.50 *7*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
301.5 *12*	†22 *12*	^{196}Tl(1.41 h)	426.0(†540), 635.5(†304), 695.6(†243)
301.59 *12*	0.68 *13*	^{186}Ir(2.0 h)	137.155(27), 767.508(21.2), 630.354(18.0)
• 301.6 *2*	>0.0047	^{169}Yb(32.026 d)	63.12077(44.2), 197.95788(35.8), 177.21402(22.16)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
301.6 *10*	0.97 *23*	^{191}Hg(50.8 m)	252.5(57), 420.1(18.6), 578.6(17.6)
301.61 *6*		^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
301.62 *70*	0.034 *9*	^{174}Ta(1.05 h)	206.50(58), 91.00(16.0), 1205.92(4.9)
301.7 *4*	0.12 *4*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
301.702 *16*	61 *3*	^{148}Pr(2.27 m)	1357.78(5.5), 1023.18(4.8), 721.43(4.3)
301.702 *16*	95 *8*	^{148}Pr(2.0 m)	450.58(50), 697.61(40), 1556.7(4.9)
• 301.741 *3*	0.005	^{235}U(7.038×10^{8} y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
301.8 *4*	0.35 *9*	^{70}Se(41.1 m)	49.51(35.8), 426.15(29), 376.65(9.43)
301.8 *3*	0.08 *4*	^{100}Rh(20.8 h)	539.59(78.4), 2376.1(35.3), 1553.4(21)
301.8 *3*	1.0 *5*	^{150}Tb(5.8 m)	638.05(100), 650.4(70), 438.37(42)
301.8 *2*	0.071 *19*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
• 301.8 *2*	0.014 *5*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
301.8 *2*	†0.13 *5*	^{158}Ho(11.3 m)	218.21(†100.0), 98.91(†70), 945.7(†37)
301.8	†2	^{238}Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
301.82 *3*	23.4 *7*	^{190}Au(42.8 m)	295.78(71.0), 597.67(9.4), 2382.6(5.1)
• 301.85 *20*	0.0058 *7*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
301.9 *2*	0.157 *10*	^{112}Sb(51.4 s)	1257.05(96), 990.70(14.3), 670.0(3.7)
301.9 *12*	0.49 *14*	^{186}Pt(2.0 h)	276.7(0), 611.5(6.0), 635.6(>3.8)
301.98 *7*	0.0014	^{239}U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
302.0 *7*	>0.020	^{132}I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
302 *1*	0.031 *19*	^{133}Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
• 302.0 *3*	0.18 *4*	^{144}Pm(363 d)	696.510(99), 618.01(98.6), 476.8(42.0)
302	†26	^{174}Os(44 s)	118(†100), 325(†43), 138(†25)
• 302.0 *4*	0.012	^{230}Pa(17.4 d)	951.95(1.65), 918.48(8.2), 454.95(6.27)
302.0 *2*	†4.1	^{256}Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
302.1 *3*	†51 *7*	^{206}Rn(5.67 m)	497.7(†100), 324.5(†96), 386.6(†61)
• 302.2 *2*	0.0090 *14*	^{76}As(26.32 h)	559.101(45), 657.041(6.2), 1216.104(3.42)
302.2 *2*	0.34 *6*	^{157}Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
302.2 *5*	3.8 *11*	^{196}Pb(37 m)	253.1(27.0), 502.1(26.5), 366.5(11.1)
302.3 *3*	0.66 *9*	^{100}Rh(20.8 h)	539.59(78.4), 2376.1(35.3), 1553.4(21)
302.3 *3*	0.108 *9*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
302.30 *15*	1.58 *25*	^{162}Gd(8.4 m)	442.12(51), 403.00(43.3), 39.0(5.1)
302.35 *73*	†3.0 *15*	^{164}Tm(2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)
302.353 *8*	1.648 *17*	^{133}La(3.912 h)	278.835(2.50), 290.06(1.413), 632.765(0.98)
302.4 *5*	0.16 *7*	^{79}Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
• 302.4 *2*	0.0047 *6*	^{131}I(8.02070 d)	364.489(81.7), 636.989(7.17), 284.305(6.14)
302.4 *3*	>0.06	^{146}La(6.27 s)	258.47(64), 924.58(7.45), 702.28(6.43)
302.4 *3*	†13.9 *6*	^{194}Bi(92 s)	965.4(†100.0), 575.1(†98.0), 280.1(†73.7)
302.46 *11*		^{189}Au(28.7 m)	713.17(†100), 812.68(†63), 447.65(†55)
302.49 *6*	0.013 *5*	^{130}I(12.36 h)	536.09(99), 668.54(96), 739.48(82)
302.5 *2*	3 *1*	^{151}Er(23.5 s)	638.3(36), 667.2(17), 256.4(15.9)
302.51 *5*	0.491 *25*	^{143}Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
302.52 *3*	2.48 *20*	^{66}Ge(2.26 h)	43.89(28.7), 381.85(28), 272.97(10.4)
302.52 *15*	0.49 *7*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
302.52 *15*	0.26 *7*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
302.57 *5*	0.16 *6*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
• 302.60 *20*	>0.00031	^{129}Cs(32.06 h)	371.918(30.60), 411.490(22.31), 548.945(3.40)
302.6 *7*	0.132 *22*	^{199}Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
• 302.61 *9*	0.025 *5*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
302.65 *1*	4.3	^{227}Ra(42.2 m)	27.36(16), 300.07(4.6), 283.69(3.1)
• 302.65 *1*	2.2 *3*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 283.69(1.7)
• 302.65 *5*	0.68 *10*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
• 302.67 *9*	0.027 *7*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
302.70 *20*	0.70 *7*	^{115}Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 302.7 *2*	0.051 *15*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
302.7 *1*	80 *5*	^{138}Pr(2.12 h)	1037.8(101), 788.742(100), 390.9(6.1)
302.7 *4*	0.56 *9*	^{139}Nd(5.50 h)	113.94(40), 737.96(35), 982.2(26.4)
302.7		^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)
302.7 *2*	†5.5 *10*	^{159}Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
302.7 *4*	0.011 *3*	^{201}Pb(9.33 h)	331.19(79), 361.27(9.9), 945.96(7.4)
302.77 *20*	66 *5*	^{107}Rh(21.7 m)	392.47(8.8), 312.21(4.8), 348.21(2.27)
302.79 *25*	0.21	^{108}In(58.0 m)	875.46(100), 632.96(100), 242.84(41)
302.8 *3*	0.11 *4*	^{100}Cd(49.1 s)	936.55(66), 139.71(6.7), 582.5(6.3)
302.8 *2*	4.5 *6*	^{104}Sn(20.8 s)	132.7(56), 912.6(42), 401.2(16.2)
302.85 *10*	0.56 *14*	^{209}Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
• 302.853 *1*	0.0048 *3*	^{133}Xe(5.243 d)	80.997(38.0), 79.623(0.27), 160.613(0.066)
• 302.853 *1*	18.33 *6*	^{133}Ba(10.52 y)	356.017(62.05), 80.997(34.06), 383.851(8.94)
302.880 *20*	0.38 *4*	^{162}Ho(67.0 m)	185.005(28.6), 1220.0(22.5), 282.864(11.3)
302.89 *3*	0.17 *3*	^{200}Pb(21.5 h)	147.63(37.7), 257.17(4.46), 235.63(4.30)
• 302.89 *10*	6.4×10^{-5} *10*	^{233}U(1.592×10^5 y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
• 302.9 *2*	†0.03 *1*	^{136}Cs(13.16 d)	818.514(†100), 1048.073(†80), 340.547(†42.3)
• 302.9	0.047	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
302.90 *15*	†28 *4*	^{163}Lu(238 s)	163.08(†100), 54.00(†88), 396.34(†63)
302.9 *2*	†3.5 *3*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
• 302.909 *5*	5.1×10^{-6} *4*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
302.945 *17*	0.43 *3*	^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
302.945 *17*	0.143 *22*	^{186}Ir(2.0 h)	137.155(27), 767.508(21.2), 630.354(18.0)
302.96 *15*	1.65 *14*	^{125}Cd(0.65 s)	436.29(37), 1099.48(22.3), 2147.19(19.1)
302.96 *5*	0.0069 *7*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
302.98 *3*	0.11 *4*	^{74}Ga(8.12 m)	595.847(91), 2353.46(44.5), 608.353(14.3)
302.98 *7*	1.00 *4*	^{240}Np(7.22 m)	554.60(20.9), 597.40(11.7), 1496.9(1.33)
• 302.98 *7*	0.009 *2*	^{240}Am(50.8 h)	987.76(73.2), 888.80(25.1), 98.860(1.5)
• 302.98 *7*	1.67×10^{-5} *15*	^{244}Cm(18.10 y)	42.824(.0044100), 98.860(.0001470), 152.63(<4.9×10^{-7})
302.994 *28*	0.067 *10*	^{157}Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
303.0	0.06	^{43}Ar(5.37 m)	975.0(34), 738.1(15), 1439.5(13)
303.0 *3*	†5.2 *10*	^{131}Ce(10.3 m)	169.42(†100), 414.25(†68), 119.18(†44)
303.00 *5*	1.35 *4*	^{151}Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
303 *1*	>0.034	^{167}Ho(3.1 h)	346.547(56), 321.336(23.5), 237.873(5.0)
303.06 *9*	0.071 *7*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
303.1 *4*	2.7 *9*	^{115}Te(6.7 m)	770.40(34.2), 723.569(18), 1071.70(12.9)
303.1 *5*	0.036 *14*	^{150}Tb(3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)
303.10 *20*	0.61	^{154}Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
• 303.1 *1*	0.0023 *15*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
303.1 *3*	0.17 *10*	^{192}Hg(4.85 h)	274.8(50.4), 157.2(7), 306.5(5.4)
303.12 *4*	2.09 *15*	^{132}Ce(3.51 h)	182.11(77), 155.37(10.5), 216.83(4.95)
303.13 *8*	0.0005 *3*	^{187}W(23.72 h)	685.774(27.3), 479.531(21.8), 72.001(11.14)
303.16 *4*	†0.224 *22*	^{153}Pm(5.4 m)	35.842(†100), 127.298(†75), 28.309(†34.6)
303.16 *14*	0.024 *4*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
303.192 *9*	0.0066 *3*	^{145}Pr(5.984 h)	748.278(0.5250), 675.795(0.514), 72.500(0.261)
303.2 *1*	0.22 *3*	^{100}Zr(7.1 s)	504.25(31), 400.48(19.2), 498.0(0.72)
303.2 *2*	1.21 *22*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
303.2 *2*	3.1	^{145}Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)
303.2 *3*	†2.6 *8*	^{152}Pr(3.24 s)	164.2(†100), 284.9(†81.0), 72.40(†38.9)
303.2 *3*	†6.8 *20*	^{155}Nd(8.9 s)	180.574(†100), 418.99(†75), 955.08(†50)
• 303.20 *20*	0.0040 *5*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
303.3 *2*	1.13 *8*	^{117}I(2.22 m)	325.9(75), 274.4(20.4), 661.5(5.1)
303.36 *5*	>0.11	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
303.38 *19*	3.2 *3*	^{78}Zn(1.47 s)	224.75(43.9), 181.68(28.1), 860.30(24.5)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
303.4 *5*	0.12 *4*	^{126}Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
303.41 *7*	0.27 *8*	^{193}Au(17.65 h)	186.17(10.1), 255.57(6.7), 268.22(3.9)
303.41 *18*	2.2 *2*	^{200}Bi(36.4 m)	1026.5(100), 462.34(98), 419.70(91)
303.41 *3*	21.6 *11*	^{250}Es(8.6 h)	828.82(72), 349.4(19.8), 383.7(13.6)
303.43 *3*	5.8 *6*	^{130}Sb(39.5 m)	793.53(100), 839.49(100), 331.05(78)
303.50 *4*	0.34 *4*	^{161}Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
• 303.517 *30*	0.87 *6*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
303.53 *4*	0.63 *4*	^{107}In(32.4 m)	204.97(47), 505.51(11.9), 320.92(10.2)
303.55 *15*	0.0227 *22*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
• 303.59 *3*	0.038 *4*	^{148}Pm(5.370 d)	1465.12(22), 550.284(22.00), 914.85(11.46)
303.6 *4*	3.9 *7*	^{73}Kr(27.0 s)	177.8(65.8), 62.5(19.1), 454.8(15)
303.6 *3*	1.47 *9*	^{144}La(40.8 s)	397.440(94.3), 541.20(39.2), 844.8(22.3)
303.6 *1*	1.24 *11*	^{157}Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
303.61 *15*	0.20 *6*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
303.64 *5*	0.29 *6*	^{109}Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
303.68 *3*	0.163 *11*	^{200}Pt(12.5 h)	76.21(13), 135.90(3.24), 243.71(2.49)
303.7 *4*	0.06 *3*	^{152}Tb(4.2 m)	344.281(20.8), 411.115(18.8), 471.9(12.2)
303.7 *1*	†7 *1*	^{227}Rn(22.5 s)	162.14(†100), 739.2(†65), 686.2(†62)
• 303.790 *5*	1.178 *23*	^{77}Br(57.036 h)	238.996(23), 520.639(22.4), 297.215(4.16)
303.8 *1*	2.0 *5*	^{105}Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
303.8 *2*	†100 *2*	^{111}Ru(2.12 s)	211.7(†77.7), 382.0(†41.3), 1515.9(†28)
303.80 *7*	0.118 *17*	^{116}In(54.41 m)	1293.54(84.4), 1097.3(56.2), 416.86(28.9)
303.87 *10*	7	^{115}Pd(25 s)	342.71(8), 396.56(6), 556.3(6)
• 303.9 *2*	0.051 *10*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
303.9 *3*	0.29 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
• 303.9252 *17*	1.312 *9*	^{75}Se(119.779 d)	264.6584(58.50), 136.0008(58.3), 279.5441(24.79)
303.96 *3*	0.00230 *23*	^{250}Bk(3.217 h)	989.12(45), 1031.85(35.6), 1028.65(4.91)
303.977 *4*	0.0062 *13*	^{179}Lu(4.59 h)	214.335(11.3), 214.930(0.46), 123.3790(0.45)
304.0 *2*	0.104 *18*	^{79}Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
304.0 *3*	†49 *3*	^{121}La(5.3 s)	139.3(†100), 134.4(†73), 97.8(†57)
304.0 *2*	0.68 *11*	^{123}Cs(5.94 m)	97.3(23), 596.7(10.1), 83.3(4.1)
• 304.0 *2*		^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
• 304 *2*	0.07 *1*	^{254}Es(275.7 d)	63.0(2.0), 316(0.15), 385(0.05)
304.02 *2*	0.387 *25*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
304.03 *6*	1.08 *7*	^{165}Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
• 304.1 *1*	0.0020 *6*	^{57}Ni(35.60 h)	1377.63(81.7), 127.164(16.7), 1919.52(12.26)
304.1 *3*		^{122}Ba(1.95 m)	550.7, 388.7, 231.0
304.1 *3*	0.38	^{170}Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
304.1 *4*		^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
304.13 *4*		^{250}Bk(3.217 h)	989.12(45), 1031.85(35.6), 1028.65(4.91)
304.17 *10*	0.0017	^{239}U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
304.194 *19*	25.4 *8*	^{141}Ba(18.27 m)	190.328(46.0), 276.948(23.4), 343.673(14.4)
304.2 *6*	0.016 *8*	^{111}Sn(35.3 m)	1152.98(2.7), 1914.70(1.99), 761.97(1.48)
304.2 *2*	1.01 *8*	^{143}Gd(112 s)	271.94(84), 588.00(15.7), 798.89(10.7)
304.2 *2*	0.67 *19*	^{157}Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
304.21 *4*	4.05 *23*	^{83}Zr(44 s)	55.55(8), 104.97(5.70), 475.1(5.1)
• 304.21 *20*	†1.01×10^4 *21*	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^9), 33.195(†6000×10^8)
304.3 *4*	†1.8 *5*	^{142}Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
304.3 *1*	1.50 *7*	^{148}Ho(9.59 s)	1687.5(82.47), 660.8(58.94), 504.3(18.62)
304.3 *3*	0.19 *6*	^{177}W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
304.3 *4*	0.21 *11*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
304.33 *3*		^{131}Sn(58.4 s)	367.40, 285.0, 62.9
304.33 *3*	†32.0 *40*	^{131}Sn(56.0 s)	1226.03(†100), 450.03(†90), 798.50(†86)
304.43 *12*	0.033 *11*	^{214}Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
304.5 *7*	1.05 *24*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
304.5 *2*	0.9 *4*	^{140}Gd(15.8 s)	174.8(76), 749.9(70), 379.0(38)
304.5 *1*	0.48 *4*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
304.5 *2*	0.35 *8*	^{242}U(16.8 m)	67.60(9.6), 55.58(3.90), 585.0(1.92)
304.519 *20*	0.0096 *9*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 304.519 *20*	†81 *24*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
• 304.530 *18*	0.00050 *8*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
304.58 *4*	0.063 *4*	^{135}Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
304.59 *9*	0.127 *24*	^{204}Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
304.6 *4*	0.17 *7*	^{119}Cd(2.20 m)	1025.0(24.8), 2021.3(22.6), 720.7(17.9)
304.66 *7*	0.094 *6*	^{145}Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
304.67 *20*	0.131 *20*	^{163}Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
304.7 *7*	0.022 *12*	^{89}Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
304.71 *8*	4.3 *4*	^{187}Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
304.75 *12*	1.42 *4*	^{154}Tb(22.7 h)	247.925(79), 346.643(69), 1419.81(46)
304.8	0.40	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
• 304.82 *4*	0.218 *22*	^{166}Ho(1.20×10^3 y)	184.410(72.6), 810.276(58.08), 711.683(55.32)
• 304.849 *3*	4.30 *5*	^{140}Ba(12.752 d)	537.261(24.39), 29.9640(14.1), 162.660(6.21)
304.87 *2*		^{85}Br(2.90 m)	802.41(2.56), 924.63(1.63), 919.06(0.65)
304.88 *9*	0.289 *16*	^{62}Zn(9.186 h)	596.56(26), 40.84(25.5), 548.35(15.3)
304.896 *6*	31	^{206}Hg(8.15 m)	649.42(2.6), 344.52(0.7)
• 304.896 *6*		^{210}Bi(5.013 d)	265.832
• 304.896 *6*	28	^{210}Bi(3.04×10^6 y)	265.832(50), 649.42(3.8), 344.52(0.7)
304.9 *3*	0.168 *24*	^{141}Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
304.9 *3*	0.048 *13*	^{188}Hg(3.25 m)	66.7(63), 190.1(4.40), 82.7(2.6)
304.91 *13*	0.032 *3*	^{135}I(6.57 h)	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
304.94 *14*	0.284 *21*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
304.964 *12*	3.26 *12*	^{204}Po(3.53 h)	883.984(29.9), 270.068(27.8), 1016.31(24.1)
305.0 *1*	0.039 *6*	^{139}Xe(39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
305.0 *2*	†1.5 *4*	^{155}Tm(21.6 s)	226.8(†100), 531.7(†20), 88.1(†17)
305.0	0.07 *4*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
305.0 *1*	†2.0 *5*	^{194}Bi(92 s)	965.4(†100.0), 575.1(†98.0), 280.1(†73.7)
305.10 *18*	0.055 *12*	^{90}Kr(32.32 s)	1118.69(39.0), 121.82(35.5), 539.49(30.8)
305.1 *9*	0.028 *19*	^{97}Zr(16.91 h)	743.36(93), 507.64(5.03), 1147.97(2.61)
305.1 *1*	0.45 *7*	^{157}Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
305.1		^{161}Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
305.1 *4*	0.20 *10*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 305.131 *9*	0.0030 *13*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
• 305.14	0.0306 *11*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
305.14 *16*	†16 *3*	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
305.2	1.3 *6*	^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)
305.2 *3*	0.16 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
305.2 *3*	0.0089 *14*	^{247}Cf(3.11 h)	294.1(0.98), 447.8(0.55), 417.9(0.34)
• 305.22 *8*	0.00257 *15*	^{149}Pm(53.08 h)	285.95(3.1), 859.46(0.109), 590.88(0.069)
305.3 *1*	0.088 *6*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
305.3 *2*	15.5 *16*	^{190}Tl(3.7 m)	416.4(91), 625.4(82), 731.1(37)
305.4 *2*	4	^{115}Rh(0.99 s)	127.9(64.6), 125.6(33.3), 296.5(17)
305.4 *3*	0.19 *6*	^{176}Tm(1.9 m)	189.57(44.5), 1069.3(34), 381.8(21.8)
305.4 *5*	0.03 *1*	^{214}Pb(26.8 m)	351.921(35.8), 295.213(18.5), 241.981(7.50)
• 305.4 *2*	†3.15×10^5 *10*	^{237}Pu(45.2 d)	280.40(†870000), 298.89(†7.85×10^6), 320.75(†6.48×10^6)
305.42 *10*	†13.7 *13*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
305.5 *5*	0.15 *7*	^{98}Sr(0.653 s)	119.353(73), 444.628(39), 428.4(31)
305.5 *2*	†0.9 *3*	^{101}Nb(7.1 s)	276.10(†100), 157.466(†32), 13.5(†32)
305.5 *2*	<0.038	^{101}Pd(8.47 h)	296.29(19), 590.44(12.06), 269.67(6.43)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
305.5 *8*	1.1 *9*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
305.5 *30*	0.007 *2*	^{145}Gd(23.0 m)	1757.9(34.2), 1880.6(32.6), 1041.8(9.9)
305.5 *2*		^{146}Dy(29 s)	2156.8, 1915.7, 1876.7
305.5 *1*	0.178 *20*	^{223}Ac(2.10 m)	98.58(0.891), 191.3(0.58), 83.55(0.57)
• 305.5028 *14*	1.82 *5*	^{177}Lu(160.4 d)	208.3664(57.7), 228.4838(37.0), 378.5029(29.7)
305.55 *14*	0.0601 *11*	^{159}Gd(18.479 h)	363.55(11.4), 58.00(2.15), 348.16(0.234)
• 305.55 *14*	1.08×10^{-6} *8*	^{159}Dy(144.4 d)	58.00(2.22), 348.16(0.00095), 79.45(0.00048)
305.59 *11*		^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
305.6 *5*		^{173}Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
305.63 *5*	0.127 *10*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
305.66 *10*	0.0077 *20*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
305.67 *15*	0.91 *10*	^{195}Pb(15.0 m)	383.64(106.9), 394.21(44), 878.40(24.2)
305.68 *3*	0.109 *20*	^{150}Pm(2.68 h)	333.971(68), 1324.51(17.5), 1165.739(15.8)
305.68 *3*	0.0032	^{150}Eu(12.8 h)	333.971(4.0), 406.52(2.81), 1165.739(0.257)
• 305.68 *3*	0.034 *6*	^{150}Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
• 305.7	0.009	^{79}Kr(35.04 h)	261.29(13), 397.54(9.3), 606.09(8.12)
305.7		^{157}Lu(5.0 s)	967.5, 949.8, 880.5
305.7 *10*	0.103 *22*	^{201}Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
305.75 *20*	0.060 *6*	^{147}Pr(13.4 m)	77.9921(15), 314.675(13.2), 641.380(10.0)
305.8 *3*	86 *7*	^{170}Re(8.0 s)	156.7(57), 413.2(51)
305.82 *8*	0.068 *12*	^{158}Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
305.83 *9*	0.096 *3*	^{135}I(6.57 h)	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
305.83 *13*	†4.0 *8*	^{187}Hg(1.9 m)	233.38(†100), 376.34(†38), 240.26(†33)
305.85 *10*	0.50 *7*	^{132}La(4.8 h)	464.55(76), 567.14(15.7), 1909.91(9.0)
305.85 *20*	0.57 *8*	^{177}W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
305.9 *4*	0.08 *4*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
305.9 *4*	†6.0 *15*	^{164}Tm(2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)
305.9 *1*	4.1 *4*	^{225}Th(8.72 m)	321.4(23), 246.0(5.06), 359.0(4.1)
305.94 *5*	5.9 *6*	^{77}Zn(2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
306.0 *3*	0.0210 *19*	^{72}Ga(14.10 h)	834.01(96), 2201.69(25.9), 629.95(24.8)
306.0 *2*	0.13	^{140}Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
306.0	0.8	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
306.0 *3*	0.0012 *7*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
306.1 *2*	†16 *2*	^{135}Pm(49 s)	198.5(†100), 207.2(†70), 463.5(†62)
306.2 *5*	0.030	^{203}Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
306.2 *2*	0.032 *16*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
• 306.217 *25*	0.025 *3*	^{71}As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
306.243 *7*	1.6 *3*	^{151}Pr(18.90 s)	880.19(13), 189.057(11.8), 484.501(11.3)
• 306.25 *3*	5.1 *3*	^{105}Rh(35.36 h)	319.14(19), 280.41(0.167), 442.37(0.042)
• 306.25 *3*	0.88 *6*	^{105}Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
• 306.25		^{105}Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
306.25 *3*	12800 *14*	^{105}Ag(7.23 m)	319.14(†63000), 442.37(†5900), 929.12(†4000)
• 306.25 *11*	0.007 *3*	^{189}Re(24.3 h)	216.663(5.50), 219.395(4.54), 245.09(3.5)
306.4 *1*	†14 *2*	^{227}Rn(22.5 s)	162.14(†100), 739.2(†65), 686.2(†62)
306.409 *4*	0.036 *24*	^{178}Lu(28.4 m)	93.180(6.0), 1340.8(3.22), 1310.05(1.40)
306.424 *58*	6.80 *25*	^{143}Cs(1.78 s)	195.554(13), 232.421(8.32), 660.06(4.79)
306.43 *25*	0.29 *17*	^{77}Rb(3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
• 306.47 *10*	2.6 *1*	^{79}Kr(35.04 h)	261.29(13), 397.54(9.3), 606.09(8.12)
306.48 *10*	1.3	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
306.5 *6*	4.8 *3*	^{30}Na(48 ms)	1482.1(42), 1978.1(10.4), 4966.3(6.8)
306.5 *6*	†13 *14*	^{31}Na(17.0 ms)	1482.1(†100), 1978.1(†22), 1820.1(†20)
306.5 *1*	†6.7 *9*	^{171}Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
306.5 *3*	5.4 *6*	^{192}Hg(4.85 h)	274.8(50.4), 157.2(7), 186.4(3.3)
• 306.5 *5*	2.7×10^{-5} *3*	^{253}Es(20.47 d)	41.79(0.050), 389.11(0.0264), 387.1(0.00810)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
306.51 *10*	9.3 *9*	^{74}Kr(11.50 m)	89.65(31), 203.0(18.0), 296.67(9.9)
306.51 *5*	†100.0 *5*	^{83}Ge(1.85 s)	1193.77(†20.5), 1525.50(†13.6), 1434.87(†11.8)
306.569 *8*	6.42 *14*	^{173}Hf(23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
306.6 *4*	0.58 *11*	^{136}Sm(47 s)	114.4(36), 747.7(5.4), 485.3(5.0)
306.60 *15*	10.0 *5*	^{137}Nd(38.5 m)	75.5(17.0), 580.6(13), 781.6(9.3)
306.66 *12*	0.080 *10*	^{105}Ru(4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
306.7 *4*	0.099 *20*	^{132}I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
306.7 *2*	28.5 *18*	^{139}Sm(2.57 m)	273.7(37), 596.3(8.0), 782.0(6.9)
306.76 *6*	1.0 *3*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
• 306.76 *6*	0.239 *14*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
306.77 *4*	0.92 *9*	^{208}Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
• 306.78 *4*	94	^{176}Lu(3.78×10^{10} y)	201.83(86), 88.34(13.3), 400.99(0.329)
306.79 *20*	0.027 *3*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
306.8 *3*	†10 *2*	^{73}Cu(3.9 s)	449.7(†100), 199.2(†17), 502.0(†12)
306.8 *2*	0.32 *3*	^{92}Ru(3.65 m)	213.81(96), 259.32(92), 134.57(65.5)
306.8 *4*	1.7 *4*	^{166}Hf(6.77 m)	78.76(41), 341.82(4.7), 407.91(4.5)
306.8 *2*	†0.7 *1*	^{182}Ir(15 m)	273.23(†100), 126.79(†77), 236.3(†21.0)
306.8 *1*	0.39 *5*	^{240}Np(61.9 m)	566.34(25.3), 973.9(23.8), 600.57(18.4)
306.85 *5*	88 *4*	^{101}Tc(14.22 m)	545.06(6.0), 127.23(2.86), 184.10(1.69)
• 306.85 *5*	0.06	^{101}Rh(3.3 y)	127.23(73), 197.6(70.8), 324.8(13.4)
• 306.85 *5*	†115 *6*	^{101}Rh(4.34 d)	545.06(†6.1), 127.23(†0.85), 179.62(†0.77)
306.86 *18*	0.063 *14*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
306.89 *10*		^{98}Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
306.89 *10*	0.318 *19*	^{98}Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
• 306.9 *2*	0.020 *5*	^{140}La(1.6781 d)	1596.210(95), 487.021(45.5), 815.772(23.28)
306.9 *2*	0.151 *15*	^{140}Pr(3.39 m)	1596.210(0.50), 751.637(0.032), 925.189(0.0260)
306.9 *1*	0.81 *7*	^{142}Gd(70.2 s)	750.2(11.2), 178.90(11.20), 284.4(6.16)
306.9 *3*	1.12 *16*	^{196}Bi(308 s)	1049.21(87), 689.00(35.5), 776.6(9.1)
306.9 *3*	†0.019 *5*	^{196}Bi(240 s)	1049.21(†21.1), 371.93(†20.8), 689.00(†19.2)
306.9 *3*	†0.14 *5*	^{196}Bi(240 s)	1049.21(†21.1), 371.93(†20.8), 689.00(†19.2)
306.96 *8*	15.1 *17*	^{129}Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
306.98 *16*	0.113 *21*	^{79}Ge(19.1 s)	109.58(21), 1505.85(9.2), 100.48(2.70)
306.98 *16*	0.86 *18*	^{79}Ge(39.0 s)	230.62(61), 542.27(32.6), 755(18)
307.00 *10*	3.46 *8*	^{86}Y(14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
307.0 *5*	†4	^{99}Rb(59 ms)	90.8(†100), 125.2(†40), 1071.6(†26)
307.0 *1*	3.9 *5*	^{123}Cs(5.94 m)	97.3(23), 596.7(10.1), 83.3(4.1)
307.0 *4*	0.08 *4*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
307.04 *7*	0.030 *6*	^{189}Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
307.063 *2*	30.4 *12*	^{231}Ac(7.5 m)	282.471(39.0), 221.399(16.8), 185.712(16.4)
• 307.067 *11*	0.158 *4*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
307.1 *2*	10 *1*	^{97}Sr(426 ms)	1905.0(25), 953.8(21.4), 652.2(11.4)
307.1 *5*		^{185}Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
• 307.15 *10*	0.0101 *21*	^{172}Er(49.3 h)	610.062(44.2), 407.338(42.1), 68.107(3.29)
307.2 *1*	2.2 *5*	^{117}Ag(5.34 s)	135.4(48), 386.8(39.9), 298.1(21.1)
307.2 *1*	1.86 *23*	^{117}Ag(72.8 s)	135.4(23), 337.7(10.3), 157.1(7.9)
• 307.2 *5*	0.018 *9*	^{124}I(4.18 d)	602.730(60), 1690.980(10.41), 722.786(9.98)
307.2 *2*	†<0.15	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
307.2 *2*	0.35 *5*	^{129}La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
307.2 *1*	0.62 *20*	^{151}Er(0.58 s)	789.4(5.1), 597.4(4.4), 297.2(3.7)
307.2	>0.039	^{197}Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
307.3 *5*	†11 *2*	^{119}Xe(5.8 m)	231.8(†100), 98.5(†95), 461.5(†91)
307.3		^{130}Ce(25 m)	1072.6(†100), 997.7(†100), 920.5(†100)
307.30 *6*	0.93 *4*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
307.30 *6*	2.74 *6*	^{146}Cs(0.343 s)	181.02(57.0), 557.76(9.18), 332.38(6.44)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
307.3 *3*	0.33	^{154}Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
307.3 *1*	0.080 *5*	^{210}Rn(2.4 h)	458.25(1.7), 648.70(0.843), 570.95(0.840)
307.384 *9*	0.010 *3*	^{155}Sm(22.3 m)	104.3346(74.6), 245.771(3.7), 141.4428(1.98)
307.4 *2*	0.35 *4*	^{139}Pm(4.15 m)	402.8(15), 463.1(4.1), 367.8(3.52)
307.4 *2*	†3.4 *4*	^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
307.4 *4*	0.86 *20*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
307.4 *1*	0.035 *3*	^{251}Fm(5.30 h)	880.8(2.19), 453.1(1.45), 405.6(0.99)
307.47 *8*	9.6 *5*	^{186}Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
307.48 *8*	0.37 *4*	^{151}Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
307.50 *20*	0.39 *9*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
• 307.51 *8*	1.035 *25*	^{151}Gd(124 d)	153.56(6.20), 243.28(5.60), 174.70(2.96)
307.6 *3*	1.50 *19*	^{122}Cs(4.5 m)	331.1(94), 497.1(79), 638.5(63)
307.6 *2*	†1.5 *6*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
307.60 *10*	0.56 *3*	^{207}Po(5.80 h)	992.33(59.3), 742.64(28.2), 911.79(16.95)
307.7 *3*	0.33 *7*	^{159}Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
307.7	>0.6	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
• 307.73757 *9*	10.05 *7*	^{169}Yb(32.026 d)	63.12077(44.2), 197.95788(35.8), 177.21402(22.16)
307.79 *6*	0.96 *6*	^{148}Ba(0.607 s)	56.08(29.20), 133.53(3.88), 415.78(3.59)
307.79 *7*	0.265 *18*	^{149}Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
307.8 *10*	0.056 *23*	^{105}Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
307.8 *2*	1.4 *3*	^{197}Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
• 307.807 *12*	5.5×10^{-6} *4*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
307.830 *30*	0.84 *6*	^{105}Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
307.9 *1*	0.28 *6*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
307.9	0.9	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
307.9 *2*	3.0 *4*	^{197}Pb(43 m)	385.85(74), 387.72(25.1), 222.45(24.6)
307.92 *5*	0.0138 *9*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
307.93 *2*	0.0347 *9*	^{95}Tc(20.0 h)	765.794(93.82), 1073.71(3.74), 947.67(1.951)
307.95 *2*	0.392 *18*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
• 308.0 *1*	0.0001 *1*	^{149}Eu(93.1 d)	327.526(4.03), 277.089(3.56), 22.510(2.32)
308.0 *2*	1.9 *4*	^{157}Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
308	†3.4	^{175}Os(1.4 m)	125.0(†100), 181(†10.8), 248(†8.6)
308.0 *3*	†0.15 *3*	^{184}Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
• 308	>0.006	^{191}Pt(2.9 d)	538.90(13.7), 409.44(8.0), 359.90(6.0)
308.0 *4*	0.43 *8*	^{196}Os(34.9 m)	407.9(5.9), 126.2(5.3), 315.4(2.5)
308.0 *4*	0.17 *4*	^{207}Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
308.07 *5*	0.0119 *19*	^{127}Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
308.1 *4*	0.14 *6*	^{111}Pd(5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)
308.1 *1*	0.063 *6*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
• 308.2	0.0024 *6*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
308.2 *3*	†3.2 *7*	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 234.0(†40.0)
308.2 *2*	0.37 *9*	^{157}Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
308.22 *28*	0.056 *11*	^{94}Y(18.7 m)	918.74(56), 1138.88(6.0), 550.88(4.9)
308.222 *8*	4.9 *5*	^{245}Pu(10.5 h)	327.428(25.4), 560.13(5.4), 376.676(3.2)
308.222		^{245}Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
• 308.222 *8*	$†1.5\times10^{4}$ *4*	^{249}Bk(320 d)	327.428(†83000)
308.23 *9*	†3.10 *14*	^{144}Cs(1.01 s)	199.326(†100.0), 639.00(†21.2), 758.96(†20.6)
• 308.240 *35*	0.0115 *16*	^{71}As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
• 308.240 *35*	0.0082 *16*	^{71}As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
308.24 *16*	0.41 *3*	^{186}Au(10.7 m)	191.56(62), 298.67(25.4), 764.89(10.5)
308.242 *11*	3.22 *13*	^{133}Sb(2.5 m)	1096.22(43.0), 817.8(18.5), 2755(12.5)
308.242 *11*	1.08 *13*	^{133}Sb(2.5 m)	1096.22(43.0), 817.8(18.5), 2755(12.5)
308.25 *5*	100	^{48}Cr(21.56 h)	112.36(96.0), 420.5(<0.03)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
308.25 *9*	0.93 *13*	^{177}W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
• 308.3 *5*		^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
308.31 *3*	64.4 *16*	^{171}Er(7.516 h)	295.901(28.9), 111.621(20.5), 124.015(9.1)
308.4 *2*	0.0092 *8*	^{111}Pd(23.4 m)	580.00(0.8), 70.44(0.78), 1459.0(0.56)
308.40 *9*	0.0138 *9*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 308.40 *9*	†0.89 *24*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
• 308.45 *10*	0.075 *7*	^{148}Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
• 308.45692 *13*	0.00 *8*	^{192}Ir(73.831 d)	316.50791(82.81), 468.07152(47.83), 295.95827(28.67)
308.45692 *13*	3.45 *6*	^{192}Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
308.47 *9*	0.306 *22*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
308.48 *17*	†0.86 *14*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
308.5 *5*	†3.9 *3*	^{103}Mo(67.5 s)	83.4(†100), 423.91(†69), 45.8(†57)
308.5 *2*	†100 *19*	^{114}Xe(10.0 s)	161.6(†64), 103.1(†48)
• 308.5 *3*	0.0059 *14*	^{195}Hg(41.6 h)	261.75(30.9), 560.27(7), 387.87(2.15)
308.55 *7*	†27.2 *15*	^{142}Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
308.6	0.08	^{185}Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
308.6 *2*	2.2 *4*	^{197}Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
308.6 *2*	0.021 *5*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
308.67 *2*	0.34 *4*	^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
308.7 *2*	0.09	^{140}Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
308.70 *15*	0.163 *19*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
308.7 *1*	0.42 *5*	^{236}Th(37.5 m)	110.8(4.2), 646.6(0.72), 196.0(0.69)
• 308.74 *5*	0.00039 *4*	^{231}Th(25.52 h)	25.646(14.5), 84.216(6.6), 89.944(0.94)
308.75 *5*	0.132 *11*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
308.8 *2*	0.07 *2*	^{241}Np(13.9 m)	174.94(3.1), 132.99(0.86), 518.8(0.40)
308.9 *3*	1.3 *3*	^{79}Sr(2.25 m)	39.41(28), 105.00(21.8), 413.8(7.6)
308.9 *2*		^{106}In(6.2 m)	632.66(100), 861.16(92), 997.87(48)
308.9 *2*		^{106}In(5.2 m)	632.66(92), 1714.90(17.1), 861.16(10.6)
308.9 *3*	0.33 *8*	^{126}Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
308.9 *3*	2.6	^{170}Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
308.9 *4*	0.14 *5*	^{175}Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
308.9 *4*		^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
308.95 *6*	0.092 *5*	^{119}I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
308.96 *15*	0.040 *6*	^{201}Pb(9.33 h)	331.19(79), 361.27(9.9), 945.96(7.4)
308.966 *3*	3.3 *5*	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
309	>0.009	^{90}Nb(14.60 h)	1129.224(92.7), 2318.968(82.03), 141.178(66.8)
• 309.00 *8*	0.081 *9*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
309.0	3.3 *5*	^{179}Pt(21.2 s)	171.7(16), 193.1(14.2), 99.8(13.2)
309.0 *2*	†14 *3*	^{181}Ir(4.90 m)	107.64(†100), 1639.6(†52), 318.9(†46)
309.0 *2*	†2.33 *21*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
309.07 *9*	0.136 *12*	^{90}Kr(32.32 s)	1118.69(39.0), 121.82(35.5), 539.49(30.8)
309.08 *5*	1.80 *11*	^{164}Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
309.1 *5*	1.9	^{101}Cd(1.2 m)	98.0(47), 1722.5(11), 1259.3(8)
309.1 *5*	0.0049 *15*	^{109}Pd(13.7012 h)	88.04(1.171), 311.4(0.032), 647.3(0.024)
309.1 *3*	†100 *13*	^{134}Pr(11 m)	293.5(†100), 299.0(†100), 1196.8(†100)
309.1 *2*	0.34 *3*	^{136}I(83.4 s)	1313.02(67), 1321.08(24.8), 2289.6(10.4)
309.1 *1*	3.8 *3*	^{145}Ho(2.4 s)	339.8(15), 312.9(14.3), 334.1(13.5)
309.1 *3*	0.072 *21*	^{161}Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
309.1 *4*	3.4 *7*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
309.1 *2*	1.02 *9*	^{212}Fr(20.0 m)	1273.8(46), 227.72(43), 1185.6(14.1)
• 309.1 *3*	0.00027	^{237}U(6.75 d)	59.537(34.5), 208.00(21.14), 26.345(2.43)
• 309.1 *3*	†1.4×10^4	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^9), 33.195(†6000×10^8)
309.14 *10*	2.25 *25*	^{186}Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
309.15 *8*	0.19 *3*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
309.15 *17*	0.56 *5*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
• 309.194 *5*	0.26 *4*	^{200}Tl(26.1 h)	367.943(87), 1205.717(29.9), 579.298(13.8)
309.2 *2*	0.14	^{76}Br(16.2 h)	559.101(74), 657.041(15.9), 1853.67(14.7)
309.2 *3*	0.076 *25*	^{88}Br(16.5 s)	775.28(63), 802.14(13.13), 1440.69(4.72)
309.2	†0.99 *17*	^{93}Tc(43.5 m)	2644.55(†42.7), 943.33(†8.7), 3129.0(†6.4)
309.2	1.7	^{134}Nd(8.5 m)	163.2(58), 288.9(13), 216.8(12)
309.2 *1*	2.58 *8*	^{142}Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
309.2 *3*	†40 *4*	^{143}Tb(12 s)	45.1(†100), 686.1(†48), 462.8(†45)
• 309.21 *3*	0.0048 *8*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
309.3 *4*	0.165 *3*	^{73}Se(39.8 m)	67.03(2.59), 253.70(2.356), 84.0(2.03)
309.3 *2*	†21 *4*	^{159}Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
309.3 *4*	1.5 *5*	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
309.323 *3*	0.088 *18*	^{75}Br(96.7 m)	286.572(88), 141.3147(6.6), 427.883(4.4)
• 309.4 *3*		^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
309.4 *3*	†1.33 *7*	^{187}Pb(15.2 s)	299.5(†100), 617.2(†2.67), 493.6(†2.67)
• 309.47 *6*	0.49 *5*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
309.50 *20*	†5.8 *8*	^{106}Mo(8.4 s)	465.70(†100), 54.00(†54), 618.60(†25)
309.5	1.0	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
309.5	0.11	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
309.5 *2*	3.8 *3*	^{154}Ho(3.10 m)	334.6(94), 412.4(79), 477.1(55)
• 309.5 *2*	6.6×10^{-5} *10*	^{233}U(1.592×10^{5} y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
309.51 *8*	0.5 *3*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
309.56 *5*	0.0138 *12*	^{133}La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
• 309.561 *15*	0.862 *6*	^{160}Tb(72.3 d)	879.383(30.01), 298.580(25.51), 966.171(25.21)
309.561 *15*	†1.00 *14*	^{160}Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
309.594 *18*	17.2 *6*	^{159}Ho(33.05 m)	121.012(36.2), 131.973(23.6), 252.963(13.7)
309.6 *3*	0.58 *9*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
309.6 *5*	†5.0 *18*	^{189}Au(28.7 m)	713.17(†100), 812.68(†63), 447.65(†55)
309.64 *12*	0.48 *16*	^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
309.65 *4*	0.96 *9*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
309.66 *3*	0.55 *5*	^{204}Po(3.53 h)	883.984(29.9), 270.068(27.8), 1016.31(24.1)
309.68 *6*	0.83 *5*	^{100}Sr(202 ms)	963.85(22.0), 898.50(18.9), 65.46(15.2)
309.7 *2*	0.61 *8*	^{108}Tc(5.17 s)	242.25(82), 465.6(14.3), 707.81(11.4)
309.70 *4*	2.24 *14*	^{122}In(10.3 s)	1140.55(98), 1001.58(50.7), 1190.58(20.5)
309.8 *2*	2.6 *3*	^{76}Kr(14.8 h)	315.7(39), 270.2(21.1), 45.48(19.5)
309.9 *1*	†41.9 *23*	^{105}Nb(2.95 s)	94.8(†100), 246.9(†79), 137.9(†38.8)
309.9 *3*	0.36 *10*	^{181}Os(105 m)	238.75(44), 826.77(20), 118.03(12.9)
• 309.96 *10*	4.21 *18*	^{147}Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
309.99 *9*	0.044 *4*	^{240}Np(7.22 m)	554.60(20.9), 597.40(11.7), 1496.9(1.33)
310.0 *3*	28.5 *7*	^{72}Kr(17.2 s)	415.1(34.7), 162.2(16.3), 576.5(12.1)
310.0 *2*	†2.7 *4*	^{101}Y(448 ms)	98.3(†100), 133.8(†18.8), 232.1(†11.9)
310 *3*	1.0 *7*	^{114}Rh(1.85 s)	332.9(87), 519.8(48.4), 618.7(31)
310.0 *5*	0.07	^{117}Cd(2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
• 310.0 *7*	0.26 *11*	^{127}Sb(3.85 d)	685.7(37), 473.0(25.7), 783.7(15.0)
310.0 *8*	0.64 *13*	^{132}I(1.387 h)	600.1(14.0), 173.7(8.8), 614.0(2.5)
310.0 *3*	†4.8	^{179}Os(6.5 m)	65.39(†100), 218.6(†17), 32.3(†17)
310.0 *10*	0.24	^{208}At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
310	3.6 *12*	^{227}U(1.1 m)	247(20), 259(3.0), 209(2.8)
310	†42	^{228}Pa(22 h)	95(†100), 240(†23), 280(†20)
• 310.0 *1*	0.0015 *5*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
310.1 *4*	0.089 *20*	^{132}I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
310.1 *30*	0.011 *2*	^{145}Gd(23.0 m)	1757.9(34.2), 1880.6(32.6), 1041.8(9.9)
• 310.10 *30*	0.019 *9*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
310.1 *1*	0.30 *4*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
• 310.14 *10*	0.148 *3*	^{148}Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
• 310.14 *3*	0.10 *3*	^{148}Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
310.15 *12*	†8.5 *13*	^{181}Pt(51 s)	289.29(†100), 111.97(†100), 230.15(†92)
310.2 *1*	0.072 *10*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
310.2 *2*	1.74 *24*	^{237}Pa(8.7 m)	853.6(34), 865.1(15.5), 529.26(14.9)
310.26 *15*	0.50 *10*	^{117}Cd(3.36 h)	1997.33(26), 1065.98(23.1), 564.397(14.7)
310.26 *12*	25.0 *14*	^{167}Dy(6.20 m)	569.7(48), 259.33(27.9), 250.03(9.6)
310.3 *10*	2.6 *6*	^{90}Tc(49.2 s)	1054.3(100), 948.1(100), 944.7(36.6)
310.3 *3*	0.15 *15*	^{109}Sn(18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
310.3 *3*	0.45 *8*	^{161}Yb(4.2 m)	78.20(34), 599.88(25.9), 631.45(13.9)
310.3 *3*	1.2	^{207}Hg(2.9 m)	351.059(77), 997.1(69), 1637.1(30)
310.308 *17*	0.6 *3*	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
310.39 *5*	0.27 *3*	^{109}Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
310.4 *4*	0.089 *20*	^{132}I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
310.40 *11*	0.033 *12*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
• 310.40 *3*	0.104 *3*	^{205}Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
310.41 *45*	0.024 *9*	^{137}Pr(1.28 h)	836.7(1.8), 433.9(1.28), 514.0(1.08)
310.48 *20*	0.15 *3*	^{128}In(0.84 s)	1168.80(40), 935.20(6.5), 1089.53(6.0)
310.5	0.17	^{83}Zr(44 s)	55.55(8), 104.97(5.70), 475.1(5.1)
310.5 *2*	5.4 *5*	^{121}Xe(40.1 m)	252.7(13), 132.8(10.9), 445.2(7.7)
• 310.5 *1*	0.017 *5*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
310.5	0.6 *3*	^{168}Lu(6.7 m)	198.82(28), 979.22(20), 896.12(15)
310.5 *3*	0.12	^{170}Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
310.52 *10*	0.000134 *14*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
310.52 *10*	†87 *10*	^{234}Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
• 310.52 *10*	0.039 *4*	^{234}Np(4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
310.6 *3*	2.90 *15*	^{65}Co(1.20 s)	1141.7(4.0), 963.7(2.6), 1210.9(1.62)
310.6 *3*	1.63 *25*	^{97}Sr(426 ms)	1905.0(25), 953.8(21.4), 652.2(11.4)
310.6 *4*	13 *3*	^{185}Au(4.25 m)	243.1(6.6), 77.7(6), 332.0(5.5)
• 310.69 *6*	0.004	^{235}U(7.038×10^8 y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
310.7 *1*	†6.6 *10*	^{75}Ga(126 s)	253.0(†100), 574.8(†31.6), 885.6(†11.1)
310.7 *4*	†42 *5*	^{116}Xe(56 s)	104.5(†100), 247.7(†40), 191.6(†38)
310.7	0.028	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
310.72 *7*	1.27 *8*	^{80}Ge(29.5 s)	265.36(27.0), 110.4(6.5), 1564.3(4.9)
• 310.73 *4*	0.030 *6*	^{150}Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
310.74 *3*	†2.46×10^4 *8*	^{158}Er(2.29 h)	71.91(†23300), 386.84(†111000), 248.58(†42000)
310.8	5.0	^{64}Fe(2.0 s)	
310.8 *4*	0.45 *11*	^{113}Rh(2.72 s)	189.7(17.0), 409.3(15.9), 219.6(3.88)
310.8 *10*	4.9 *20*	^{132}In(0.201 s)	374.3(62), 4040.8(61), 299.2(49)
• 310.85 *9*	0.036 *7*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
310.87 *6*	0.369 *8*	^{143}Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
310.9 *5*	0.77 *12*	^{74}Kr(11.50 m)	89.65(31), 203.0(18.0), 296.67(9.9)
310.9 *3*	1.16 *13*	^{83}As(13.4 s)	734.60(43), 1113.10(14.7), 2076.70(11.9)
• 310.90 *30*	0.016 *9*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
310.90 *4*	1.06 *17*	^{174}Ta(1.05 h)	206.50(58), 91.00(16.0), 1205.92(4.9)
310.9 *7*	†13.5 *19*	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
310.979 *13*	0.510 *13*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
310.98 *13*	0.186 *19*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
311.0 *3*	†1.3	^{149}Ce(5.3 s)	57.7(†100), 380.0(†33.7), 86.4(†20.2)
311.0		^{165}Ta(31.0 s)	199.4, 162.8, 94.1
• 311.00 *3*	0.0029 *2*	^{231}Th(25.52 h)	25.646(14.5), 84.216(6.6), 89.944(0.94)
311.09 *3*	4.13 *21*	^{205}At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
311.1 *3*	0.081 *9*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
311.1 *1*	3.1 *4*	^{129}Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
311.11	0.07	^{203}Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
• 311.15 *15*	0.0041 *16*	^{71}As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
311.18 *16*	0.033 *3*	^{155}Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
311.2 *5*	0.07 *5*	^{125}Sn(9.52 m)	332.10(97.2), 1404.0(0.70), 589.6(0.20)
311.239 *8*	10.75 *20*	^{173}Hf(23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
311.25 *3*	1.37 *20*	^{86}Nb(88 s)	751.74(97.8), 914.81(78.1), 1003.24(37.4)
311.277 *6*	0.54 *7*	^{175}Tm(15.2 m)	514.868(65), 941.23(15), 363.942(12.7)
311.28 *9*	1.38 *14*	^{177}W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
• 311.3 *1*	0.0087 *10*	^{125}Sn(9.64 d)	1067.10(10), 1089.15(4.59), 822.48(4.28)
311.3 *1*	†41 *4*	^{130}Sn(1.7 m)	144.9(†100), 899.2(†49), 84.7(†42)
311.33 *5*	0.24 *4*	^{101}Tc(14.22 m)	306.85(88), 545.06(6.0), 127.23(2.86)
• 311.33 *5*	0.044	^{101}Rh(3.3 y)	127.23(73), 197.6(70.8), 324.8(13.4)
• 311.33 *5*	†0.046 *11*	^{101}Rh(4.34 d)	306.85(†115), 545.06(†6.1), 127.23(†0.85)
311.39 *3*		^{119}Cd(2.69 m)	292.9(36.8), 343.0(16.9), 1609.7(10.9)
311.39 *3*		^{119}Cd(2.20 m)	1025.0(24.8), 2021.3(22.6), 720.7(17.9)
311.4 *1*	0.032 *3*	^{109}Pd(13.7012 h)	88.04(1.171), 647.3(0.024), 781.4(0.0112)
311.4 *2*	0.25	^{140}Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
311.4 *4*	0.08 *3*	^{152}Tb(4.2 m)	344.281(20.8), 411.115(18.8), 471.9(12.2)
311.5 *2*	1.01 *7*	^{108}In(39.6 m)	632.96(76), 1986.8(12.4), 3452.2(9.2)
311.5 *5*	†1.9 *4*	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
311.5 *2*	1.36 *13*	^{212}Fr(20.0 m)	1273.8(46), 227.72(43), 1185.6(14.1)
• 311.56 *3*	4.24 *9*	^{206}Po(8.8 d)	1032.26(32.9), 511.36(24.1), 286.410(23.8)
• 311.570 *20*	3.90 *4*	^{148}Pm(41.29 d)	550.284(94.5), 629.987(89), 725.673(32.7)
• 311.570 *20*	1.79 *4*	^{148}Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
311.60 *20*	1.4 *3*	^{102}Sr(69 ms)	243.80(53), 150.15(18.0), 93.89(13.4)
311.6 *5*	0.60 *6*	^{109}Sn(18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
311.60 *14*	0.046 *10*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
311.6 *3*	†0.60 *17*	^{155}Tm(21.6 s)	226.8(†100), 531.7(†20), 88.1(†17)
311.62 *19*	0.062 *13*	^{100}Sr(202 ms)	963.85(22.0), 898.50(18.9), 65.46(15.2)
• 311.64 *7*	0.060 *7*	^{105}Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
311.65 *5*	1.85 *18*	^{187}Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
311.69 *3*	0.107 *7*	^{88}Kr(2.84 h)	2392.11(34.6), 196.301(25.98), 2195.842(13.18)
311.70 *6*	97.3 *35*	^{94}Rh(25.8 s)	756.23(100), 1430.50(100), 146.11(75)
311.70 *6*	12 *3*	^{94}Rh(70.6 s)	1430.50(100), 756.23(51), 1072.50(30.7)
311.70 *6*		^{95}Pd(13.3 s)	146.11, 756.23, 1430.50
311.7 *5*	0.30 *8*	^{97}Rh(30.7 m)	421.55(75), 840.13(12.0), 878.80(9.0)
311.70 *2*	0.0170 *20*	^{239}Am(11.9 h)	277.599(15.0), 228.183(11.3), 209.753(3.50)
• 311.70 *2*	0.0170 *20*	^{243}Cm(29.1 y)	277.599(14.0), 228.183(10.6), 209.753(3.29)
311.7 *3*	0.52 *5*	^{251}Cm(16.8 m)	542.7(10.9), 530.0(1.62), 389.7(1.28)
• 311.729 *12*	2.58×10^{-5} *7*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
311.8 *5*	1.42 *21*	^{164}Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
311.8 *3*	28.2 *11*	^{166}Ta(34.4 s)	158.5(53), 810.1(9.8), 651.4(8.5)
• 311.80 *20*	0.0072 *7*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
311.84 *5*	0.228 *16*	^{194}Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
311.85 *3*	0.54 *5*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
311.86 *15*		^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
311.9 *4*	†0.67 *19*	^{168}Re(4.4 s)	199.3(†100), 363.2(†95), 479.8(†62.8)
• 311.9 *2*	0.00049 *9*	^{177}Ta(56.56 h)	112.9498(7.2), 208.3664(0.94), 1057.8(0.29)
311.9 *2*	†1.18 *8*	^{192}Tl(9.6 m)	422.8(†100), 634.8(†75.9), 786.3(†31.7)
312.0 *2*	3.7 *5*	^{77}Kr(74.4 m)	129.64(81), 146.59(37.3), 276.0(2.92)
312.0 *3*	†1.3	^{111}Rh(11 s)	275.4(†100.0), 411.8(†9.42), 230.0(†8.9)
312.0 *2*	0.69 *20*	^{132}Sb(2.79 m)	973.9(99), 696.8(86), 989.6(14.9)
312.0 *2*	0.15	^{145}La(24.8 s)	70.0(11), 355.8(3.8), 118.2(3.6)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
312.0 *2*	0.30 *5*	^{184}Au(53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
• 312.0 *5*	2.5×10^{-5} *10*	^{233}U(1.592×10^{5} y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
312.02 *4*	0.0046 *10*	^{188}Re(16.98 h)	155.032(14.9), 632.99(1.25), 477.99(1.0)
• 312.02 *4*	0.197 *19*	^{188}Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
312.05 *3*	0.005	^{239}U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
312.06 *15*	6.9 *6*	^{80}Zn(0.545 s)	712.53(45.1), 715.40(33.8), 964.93(15.6)
312.072 *3*	62	^{133}Te(12.5 m)	407.63(27.1), 1333.21(10.67), 719.71(8.9)
312.072 *3*	2.21 *17*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
• 312.17 *2*	38.6 *4*	^{233}Pa(26.967 d)	300.34(6.62), 340.81(4.47), 86.814(1.97)
312.17 *2*	0.7	^{233}Np(36.2 m)	298.89(0.44), 546.9(0.280), 506.5(0.154)
312.2	2.3 *13*	^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)
312.21 *20*	4.8 *4*	^{107}Rh(21.7 m)	302.77(66), 392.47(8.8), 348.21(2.27)
312.25 *30*	0.040 *7*	^{165}Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
• 312.26	0.0187 *14*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
312.3 *1*	5.9 *6*	^{117}Ag(72.8 s)	135.4(23), 337.7(10.3), 157.1(7.9)
312.3	†87 *21*	^{152}Lu(0.7 s)	1531.2(†100), 358.7(†89)
312.30 *17*	0.266 *21*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
312.3 *7*	0.028 *11*	^{199}Pb(90 m)	366.90(44.2), 353.39(9.5), 1135.04(7.8)
312.31 *21*	0.0091 *17*	^{139}Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
• 312.327 *12*	0.465 *25*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
312.4 *2*	0.17	^{140}Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
312.4 *4*	0.26 *9*	^{156}Tm(83.8 s)	344.55(86), 452.85(17.2), 585.93(14.6)
312.5 *2*	0.64 *4*	^{205}At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
312.52 *6*	0.32 *5*	^{163}Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
312.56 *15*	0.31 *5*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
312.58 *20*	0.0011 *6*	^{166}Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
312.6	0.336 *20*	^{42}K(12.360 h)	1524.70(18), 899.43(0.0515), 1922.18(0.041)
312.6	0.0074 *11*	^{42}Sc(681.3 ms)	1524.70(0.0074)
312.6 *8*	0.22 *15*	^{95}Ru(1.643 h)	336.43(70.2), 1096.76(21.0), 626.77(17.8)
312.6 *4*	0.148 *18*	^{135}Te(19.0 s)	603.5(37.0), 266.8(10.36), 870.3(7.73)
• 312.6 *4*	0.012 *6*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
312.6 *4*	†28 *2*	^{183}Pt(43 s)	629.3(†100), 316.7(†53), 328.8(†36)
312.63 *3*	0.27 *3*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
312.64 *26*	0.23 *6*	^{70}Se(41.1 m)	49.51(35.8), 426.15(29), 376.65(9.43)
312.69 *9*	0.0177 *12*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 312.69 *9*	†32 *5*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
312.7 *3*	0.065 *14*	^{79}Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
312.7 *1*	†0.3 *1*	^{172}Ir(2.0 s)	227.8(†100.0), 378.4(†62.0), 448.4(†40.5)
312.71 *4*	0.19 *5*	^{163}Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
312.76 *6*	0.93 *15*	^{148}Ba(0.607 s)	56.08(29.20), 133.53(3.88), 415.78(3.59)
• 312.8	4.0×10^{-6} *2*	^{253}Es(20.47 d)	41.79(0.050), 389.11(0.0264), 387.1(0.00810)
• 312.83 *4*	0.025 *9*	^{205}Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
312.87 *10*	0.28 *3*	^{101}Sr(118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
312.9 *4*	0.038 *21*	^{135}Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
312.9 *1*	14.3 *8*	^{145}Ho(2.4 s)	339.8(15), 334.1(13.5), 401.8(12.8)
• 312.92 *4*	0.102 *3*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
312.99 *23*	†3.1 *5*	^{142}Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
313.0 *5*	†0.16 *2*	^{188}Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
313.0 *2*	†8 *1*	^{191}Pb(2.18 m)	387.1(†100), 712.2(†46), 613.5(†40)
• 313.0158 *5*	3.32 *16*	^{183}Ta(5.1 d)	246.0591(27), 353.9912(11.2), 107.9322(11.0)
• 313.0158 *5*	0.415 *9*	^{183}Re(70.0 d)	162.3219(23.3), 46.4839(7.97), 291.7238(3.05)
313.08 *6*	5.0 *8*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 179.54(4.6)
313.088 *14*	0.85 *10*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
313.1 *2*		^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
313.12 *6*	2.36 *17*	^{77}Zn(2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
313.13 *5*	0.112 *15*	^{194}Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
313.2	†10.6 *11*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
313.22 *12*	7.0 *4*	^{195}Pb(15.0 m)	383.64(106.9), 394.21(44), 878.40(24.2)
• 313.27 *3*	4.2 *4*	^{183}Ta(5.1 d)	246.0591(27), 353.9912(11.2), 107.9322(11.0)
313.30 *7*	0.0205 *5*	^{77}Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
313.3 *1*	†0.96 *9*	^{123}La(17 s)	92.5(†100), 937.3(†43), 153.6(†43)
• 313.34 *20*	†3.02×10^{6} *15*	^{237}Pu(45.2 d)	280.40(†870000), 298.89(†7.85×10^{6}), 320.75(†6.48×10^{6})
• 313.39 *4*	0.034 *9*	^{205}Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
313.4 *2*	†2.0 *4*	^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
313.47 *20*	0.63 *13*	^{125}Cd(0.57 s)	1027.53(25.8), 1173.16(25.1), 736.65(12.6)
313.5 *10*	0.84 *9*	^{129}Sb(4.40 h)	812.8(43), 914.6(20.0), 544.7(17.9)
313.50 *15*	0.77 *13*	^{137}Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
313.5 *3*	8.4 *18*	^{140}Gd(15.8 s)	174.8(76), 749.9(70), 379.0(38)
313.50 *15*	0.55 *11*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
313.5 *4*	0.19 *10*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
313.5 *1*	0.103 *10*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
313.58 *16*	0.35 *7*	^{156}Ho(56 m)	266.35(54.7), 137.83(51), 366.25(10.73)
313.59 *9*	0.031 *4*	^{211}Pb(36.1 m)	404.853(3.78), 832.01(3.52), 427.088(1.76)
313.6 *1*	3.2 *7*	^{75}Rb(19.0 s)	178.98(<63), 178.97(>51), 187.21(8.7)
313.6 *2*		^{121}Cd(13.5 s)	324.976(49.5), 1040.26(16.8), 349.937(12.9)
313.6 *2*	4.7 *11*	^{136}Sm(47 s)	114.4(36), 747.7(5.4), 485.3(5.0)
313.6 *2*	0.14	^{145}Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)
• 313.66 *4*	0.359 *10*	^{206}Bi(6.243 d)	803.10(99), 881.01(66.2), 516.18(40.7)
313.7 *4*	†22 *4*	^{164}Hf(111 s)	122.1(†100), 153.3(†47), 31.4(†12)
313.7 *3*	1.37 *18*	^{190}Tl(3.7 m)	416.4(91), 625.4(82), 731.1(37)
• 313.7251 *21*	1.26 *5*	^{177}Lu(160.4 d)	208.3664(57.7), 228.4838(37.0), 378.5029(29.7)
• 313.7251 *21*	0.00071 *9*	^{177}Ta(56.56 h)	112.9498(7.2), 208.3664(0.94), 1057.8(0.29)
313.78 *12*	†3.0 *5*	^{165}Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
313.8 *4*	0.024 *24*	^{117}Cd(3.36 h)	1997.33(26), 1065.98(23.1), 564.397(14.7)
313.83 *15*	†24 *3*	^{163}Lu(238 s)	163.08(†100), 54.00(†88), 396.34(†63)
313.9 *4*	0.13 *7*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 313.978 *10*	0.80 *5*	^{182}Re(64.0 h)	229.3220(26), 67.75001(22.2), 1121.3007(22.0)
314.0 *1*	0.30 *2*	^{107}Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
314.0 *5*	6.8 *5*	^{119}Cs(43.0 s)	176.05(29.7), 225.13(26), 257.9(17.4)
314.0 *5*	†47 *4*	^{119}Cs(30.4 s)	169.3(†>100), 245.9(†40)
314.0 *1*	0.44 *4*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
314.00 *4*	0.127 *9*	^{200}Pt(12.5 h)	76.21(13), 135.90(3.24), 243.71(2.49)
314.0 *1*	0.38 *3*	^{210}Rn(2.4 h)	458.25(1.7), 648.70(0.843), 570.95(0.840)
314.05 *5*	0.84 *3*	^{187}Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
314.1 *4*	†2.5 *15*	^{159}Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
314.12 *2*	61 *3*	^{128}Sb(9.01 h)	753.82(100), 743.22(100), 526.57(45)
314.12 *2*	89 *5*	^{128}Sb(10.4 m)	753.82(96.4), 743.22(96), 787.86(7.1)
• 314.13 *3*	0.045 *3*	^{145}Eu(5.93 d)	893.73(66), 653.512(15.0), 1658.53(14.9)
314.2 *2*	5.9 *16*	^{103}Zr(1.3 s)	248(100), 164.05(94), 126.30(84)
314.2 *2*	0.90 *9*	^{185}Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
314.2 *4*	0.08 *2*	^{214}Pb(26.8 m)	351.921(35.8), 295.213(18.5), 241.981(7.50)
314.24 *16*	0.39 *6*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
314.3 *3*	0.066 *22*	^{100}Y(735 ms)	212.531(73), 118.59(15.4), 665.98(7.7)
• 314.3	0.025	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
314.3 *3*		^{161}Eu(26 s)	163.7, 91.9, 71.9
314.31 *30*	0.048 *7*	^{165}Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
314.337 *71*	0.074 *14*	^{96}Nb(23.35 h)	778.224(96.45), 568.80(58.0), 459.88(26.62)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 314.337 *71*	2.43 *24*	^{96}Tc(4.28 d)	778.224(100), 849.929(98), 812.581(82)
314.34 *12*	0.47 *7*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
314.4 *4*	0.08 *6*	^{117}Cd(2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
314.4 *2*	0.66 *9*	^{117}Cs(8.4 s)	204.8(15.0), 29.7(9.9), 205.6(6.8)
314.4 *4*	†0.57 *19*	^{168}Re(4.4 s)	199.3(†100), 363.2(†95), 479.8(†62.8)
314.45 *13*		^{131}Sn(56.0 s)	3267.5, 2470.5, 2039.25
314.45 *13*	†2.8 *6*	^{131}Sn(56.0 s)	1226.03(†100), 450.03(†90), 798.50(†86)
314.5 *3*	0.83 *4*	^{90}Rb(258 s)	831.69(94), 1375.36(16.7), 3317.00(14.4)
314.5 *3*	0.0062 *6*	^{90}Rb(158 s)	831.69(28), 1060.70(6.69), 4365.90(5.6)
314.5 *3*	0.19 *4*	^{121}Xe(40.1 m)	252.7(13), 132.8(10.9), 445.2(7.7)
314.5	>0.013	^{197}Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
314.53 *20*	0.031 *4*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
314.55 *10*	32.1 *10*	^{121}Ag(0.78 s)	353.43(19.9), 500.61(9.3), 1195.10(6.7)
314.6 *2*		^{106}In(6.2 m)	632.66(100), 861.16(92), 997.87(48)
314.6 *2*		^{106}In(5.2 m)	632.66(92), 1714.90(17.1), 861.16(10.6)
314.6 *3*	0.091 *17*	^{152}Pm(4.1 m)	121.7824(15.7), 841.586(2.17), 961.06(1.92)
314.6 *1*	1.17 *23*	^{159}Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
314.675 *4*	13.2 *7*	^{147}Pr(13.4 m)	77.9921(15), 641.380(10.0), 577.95(8.5)
314.7	0.6	^{96}Y(9.6 s)	1750.42(89), 915.0(60), 617.1(56)
314.7 *3*	0.19 *5*	^{104}Tc(18.3 m)	358.0(89), 530.5(15.6), 535.1(14.7)
314.70 *15*	2.66 *10*	^{161}Yb(4.2 m)	78.20(34), 599.88(25.9), 631.45(13.9)
314.75 *12*	0.7 *3*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
314.77 *4*	2.49 *10*	^{161}Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
314.78 *9*	0.0018 *3*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 314.78 *9*	†29 *4*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
• 314.8 *3*	>0.07	^{192}Ir(73.831 d)	205.79549(3.300), 484.5780(3.184), 374.4852(0.721)
• 314.8 *3*	>0.07	^{192}Ir(73.831 d)	316.50791(82.81), 468.07152(47.83), 308.45692(30.00)
• 314.8 *3*	0.094 *12*	^{230}Pa(17.4 d)	366.56(0.076), 383.6(0.036), 51.72(0.026)
314.81 *7*	1.02 *7*	^{55}V(6.54 s)	517.71(73), 880.70(18.1), 921.10(4.6)
• 314.85 *15*	0.00028 *3*	^{149}Pm(53.08 h)	285.95(3.1), 859.46(0.109), 590.88(0.069)
314.87 *13*	0.88 *8*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
314.9 *2*	0.037 *9*	^{98}Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
314.92 *2*	22.7 *9*	^{161}Gd(3.66 m)	360.94(0.59), 102.315(13.9), 283.55(5.95)
• 314.94 *11*	0.0039 *4*	^{125}Sb(2.7582 y)	427.875(30), 600.600(17.86), 635.954(11.31)
314.95 *7*	†3.9×10^3 *4*	^{158}Er(2.29 h)	71.91(†23300), 386.84(†111000), 248.58(†42000)
• 314.96 *10*	0.063 *7*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
314.97 *5*	10	^{164}Tm(5.1 m)	208.08(14.6), 240.49(7.5), 547.17(4.44)
315.0	1.9	^{144}Tb(4.25 s)	743.0(12), 1001.6(7), 959.36(4.7)
• 315.0 *2*	0.017 *6*	^{150}Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
315.0 *6*		^{173}Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
315.023 *4*	0.14	^{182}Hf(61.5 m)	942.80(18.8), 799.64(9.4), 114.3152(6.2)
315.1 *2*	1.2 *3*	^{129}Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
315.1 *2*	1.8 *3*	^{145}Ho(2.4 s)	339.8(15), 312.9(14.3), 334.1(13.5)
315.1	0.09	^{147}Ce(56.4 s)	268.80(7), 92.9(4.7), 374.23(3.5)
• 315.173 *17*	0.0507 *13*	^{152}Eu(13.542 y)	344.281(26.58), 778.91(12.96), 411.115(2.231)
315.173 *17*	†20.5 *14*	^{152}Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
315.173 *17*	0.14 *3*	^{152}Tb(4.2 m)	344.281(20.8), 411.115(18.8), 471.9(12.2)
• 315.175 *3*	0.00055 *12*	^{161}Tb(6.88 d)	25.65150(23.2), 48.91562(17.0), 74.56711(10.2)
315.18 *14*	0.154 *24*	^{103}Tc(54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
315.20 *20*	†4.8 *7*	^{106}Mo(8.4 s)	465.70(†100), 54.00(†54), 618.60(†25)
315.2 *2*	†1.1 *9*	^{155}Tm(21.6 s)	226.8(†100), 531.7(†20), 88.1(†17)
315.2 *2*	†10 *5*	^{155}Tm(45 s)	88.1(†100), 323.2(†65), 507.0(†40)
315.2 *4*	0.24 *3*	^{157}Sm(482 s)	197.870(56.00), 196.461(16.8), 394.351(11.93)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
315.2		^{173}Er(1.4 m)	895.2(54), 199.2(48), 192.8(47)
315.2 *3*	0.45 *10*	^{184}Au(53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
315.2 *1*	0.063 *6*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
315.2 *3*	0.010	^{223}Ac(2.10 m)	98.58(0.891), 191.3(0.58), 83.55(0.57)
• 315.24 *8*	0.47 *5*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
315.24 *10*	100	^{167}Hf(2.05 m)	175.4(6), 139.9(3.8)
315.3 *3*	†28 *3*	^{129}In(1.23 s)	1222.0(†2.5), 906.7(†1.6), 1288.5(†1.00)
315.3 *1*	6.9 *5*	^{148}Er(4.6 s)	1311.8(8.9), 244.0(7.1), 609.5(5.8)
315.3 *2*	†10.3 *11*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
315.302 *13*		^{117}Cd(2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
315.302 *13*		^{117}Cd(3.36 h)	1997.33(26), 1065.98(23.1), 564.397(14.7)
315.31 *25*	1.5 *5*	^{103}In(65 s)	187.97(55), 720.32(13.9), 739.95(10.1)
• 315.34 *9*	0.0079 *22*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
315.37 *16*	†30 *3*	^{164}Tm(2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)
315.4	0.024 *8*	^{40}Cl(1.35 m)	1460.830(79), 2839.8(30.4), 2621.5(15.4)
315.4 *1*	0.63 *7*	^{107}Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
315.40 *5*	0.251 *9*	^{119}I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
• 315.4	0.0074 *14*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
315.4 *3*	0.14	^{170}Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
315.4 *2*	2.5 *1*	^{196}Os(34.9 m)	407.9(5.9), 126.2(5.3), 207.1(2.4)
315.43 *12*	0.73 *17*	^{167}Ho(3.1 h)	346.547(56), 321.336(23.5), 237.873(5.0)
• 315.45 *8*	0.0025 *8*	^{71}As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
315.45 *8*	0.200 *24*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
315.48 *5*	0.22 *3*	^{200}Pb(21.5 h)	147.63(37.7), 257.17(4.46), 235.63(4.30)
315.498 *5*	0.61 *6*	^{75}Br(96.7 m)	286.572(88), 141.3147(6.6), 427.883(4.4)
315.5 *3*	0.08 *3*	^{97}Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
315.5 *2*	†4.5 *5*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
• 315.5 *5*	†0.020 *18*	^{136}Cs(13.16 d)	818.514(†100), 1048.073(†80), 340.547(†42.3)
315.50 *15*	0.081 *11*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
315.55 *13*	0.81 *3*	^{66}Ge(2.26 h)	43.89(28.7), 381.85(28), 272.97(10.4)
315.56 *8*	1.01 *6*	^{190}Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
315.57 *5*	0.30 *7*	^{184}Ta(8.7 h)	414.03(72), 252.848(43), 920.932(32.0)
315.57 *15*	1.50 *25*	^{186}Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
315.6	10	^{133}Pr(6.5 m)	134.3(14), 74.0(10), 465.0(7)
315.6	2.1	^{133}Pr(6.5 m)	134.3(14), 74.0(10), 315.6(10)
315.7 *2*	39 *4*	^{76}Kr(14.8 h)	270.2(21.1), 45.48(19.5), 406.5(12.1)
315.7 *2*	1.39 *22*	^{139}Sm(2.57 m)	273.7(37), 306.7(28.5), 596.3(8.0)
315.72 *6*	0.087 *7*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
315.77 *20*	0.012	^{154}Pm(1.73 m)	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
315.77 *20*	0.68	^{154}Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
315.8 *2*	0.9 *3*	^{105}Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
315.8 *1*	1.65 *15*	^{117}Xe(61 s)	28.5(7.0), 221.3(10.0), 32.3(7.6)
315.8 *3*	0.171 *18*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
315.8 *6*	0.55 *10*	^{128}La(5.0 m)	284.00(87), 479.24(54), 643.65(14.7)
315.8 *8*	0.09	^{174}Tm(5.4 m)	366.526(92), 992.128(87), 272.918(86)
315.82 *4*		^{219}Ra(10 ms)	805.2, 592.0, 489
315.869 *12*	1.23 *12*	^{183}Hf(1.067 h)	783.754(66), 73.174(38), 459.069(27)
• 315.879 *2*	1.60 *3*	^{239}Np(2.3565 d)	106.125(27.2), 277.599(14.38), 228.183(10.76)
315.879 *2*	0.0032 *5*	^{239}Am(11.9 h)	277.599(15.0), 228.183(11.3), 209.753(3.50)
• 315.879 *2*	0.0179 *20*	^{243}Cm(29.1 y)	277.599(14.0), 228.183(10.6), 209.753(3.29)
315.9		^{152}Ho(49.5 s)	78, 237.8
315.93 *5*	11.6 *10*	^{126}In(1.64 s)	1141.11(100), 908.58(99), 111.79(88)
316.0 *15*	1.05 *12*	^{80}Sr(106.3 m)	589.0(39), 175.4(10.1), 553.4(6.9)
316.0 *2*	0.08	^{191}Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
316.0 *2*	†286 *15*	^{202}Po(44.7 m)	688.6(†1000), 165.7(†174), 790.5(†145)
• 316 *2*	0.15 *2*	^{254}Es(275.7 d)	63.0(2.0), 304(0.07), 385(0.05)
• 316.08 *9*	0.41 *4*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 316.200 *20*	0.00248 *10*	^{115}Cd(44.6 d)	933.8(2.000), 1290.580(0.890), 484.470(0.290)
• 316.2 *2*	0.0021 *13*	^{152}Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
316.2 *7*	0.165 *22*	^{199}Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
316.2 *4*	0.10 *3*	^{202}Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
316.236 *10*	2.70 *10*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
316.27 *10*	0.09 *4*	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
316.271 *87*	0.061 *9*	^{96}Nb(23.35 h)	778.224(96.45), 568.80(58.0), 459.88(26.62)
• 316.271 *87*	1.40 *20*	^{96}Tc(4.28 d)	778.224(100), 849.929(98), 812.581(82)
316.28 *20*	0.087	^{137}I(24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
316.30 *20*	0.98 *4*	^{88}Nb(7.8 m)	1057.01(89.3), 1082.53(53.9), 399.41(45.7)
316.3 *1*	1.343 *20*	^{113}Ag(5.37 h)	298.58(10), 258.8(1.64), 672.3(0.87)
316.3 *1*	18	^{113}Ag(68.7 s)	392.3(11), 298.58(10), 583.8(3.6)
316.3 *3*	0.35 *10*	^{118}Cs(14 s)	337.4(100), 472.8(37.4), 586.6(15.4)
316.3	0.6	^{145}Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)
316.3 *1*	2.67 *16*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
316.3 *2*	0.10 *3*	^{177}W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
316.305 *13*	8.3 *8*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
316.4 *2*	1.42 *14*	^{130}Sn(3.72 m)	192.5(70), 779.8(59), 70.0(35.5)
316.4 *1*	†0.88 *18*	^{230}Ra(93 m)	72.0(†100), 63.0(†35.4), 202.8(†27.3)
316.4 *2*	†5.1	^{256}Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
316.44 *15*	11.1 *4*	^{105}Ru(4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
• 316.440 *6*	1.32×10^{-5} *4*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
316.46 *8*	1.11 *11*	^{208}Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
• 316.50791 *13*	82.81 *21*	^{192}Ir(73.831 d)	468.07152(47.83), 308.45692(30.00), 295.95827(28.67)
316.50791 *13*		^{192}Ir(1.45 m)	612.46564, 295.95827
316.50791 *13*	28.0 *8*	^{192}Au(4.94 h)	295.95827(22.3), 2236.89(5.6), 612.46564(4.34)
316.53 *9*	†0.95 *9*	^{188}Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
316.56 *7*	0.052 *10*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
316.575 *14*	0.87 *4*	^{131}La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
316.6 *1*	1.14 *21*	^{135}Nd(12.4 m)	204.02(52), 41.43(23), 441.2(14.9)
316.6 *2*	1.2 *3*	^{145}Ho(2.4 s)	339.8(15), 312.9(14.3), 334.1(13.5)
316.61 *6*	12.9 *4*	^{180}Lu(5.7 m)	407.94(43.0), 1199.7(24.3), 1106.00(22.7)
316.7 *4*	0.128 *20*	^{132}I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
316.7 *3*	>0.06	^{146}La(6.27 s)	258.47(64), 924.58(7.45), 702.28(6.43)
316.7 *4*	†53 *4*	^{183}Pt(43 s)	629.3(†100), 328.8(†36), 312.6(†28)
316.7 *1*	0.103 *10*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
316.7 *1*	†180 *50*	^{234}Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
316.72 *9*	0.241 *19*	^{93}Kr(1.286 s)	253.42(41.2), 323.89(24.1), 266.83(20.6)
316.74 *3*	56 *3*	^{146}Ce(13.52 m)	218.23(20.8), 264.56(9.0), 133.52(8.1)
316.8 *1*	5.8 *3*	^{92}Kr(1.840 s)	142.307(64), 1218.6(60), 812.6(14.6)
316.8 *12*	0.42	^{186}Pt(2.0 h)	276.7(0), 611.5(6.0), 635.6(>3.8)
316.8 *2*	0.0054 *14*	^{230}Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
• 316.8 *2*	0.16 *3*	^{230}Pa(17.4 d)	951.95(1.65), 918.48(8.2), 454.95(6.27)
• 316.8 *2*	†>5.0×10^{2}	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^{9}), 33.195(†6000×10^{8})
316.81 *19*	0.0184 *17*	^{111}Pd(23.4 m)	580.00(0.8), 70.44(0.78), 1459.0(0.56)
316.81 *19*	0.037	^{111}Pd(5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)
316.82 *5*	0.249 *9*	^{105}Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
316.9 *1*	†3.3 *7*	^{75}Ga(126 s)	253.0(†100), 574.8(†31.6), 885.6(†11.1)
316.9 *2*	†7 *1*	^{152}Yb(3.1 s)	482.4(†100), 141.7(†13), 949.2(†0.7)
316.9 *4*	1.5 *5*	^{183}Lu(58 s)	1125.3(25.0), 1056.8(16.5), 168.1(7.5)
316.99 *9*	0.169 *10*	^{210}At(8.1 h)	1181.39(99.3), 245.31(79), 1483.39(46.5)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
317.0 *3*	22.3 *6*	^{114}Rh(1.85 s)	332.9(87), 519.8(48.4), 618.7(31)
317.0 *3*	†2.2 *5*	^{131}Ce(5.0 m)	230.43(†100), 436.85(†7.3), 462.9(†6.9)
317.00 *20*	†11 *3*	^{163}Lu(238 s)	163.08(†100), 54.00(†88), 396.34(†63)
• 317	0.0010 *3*	^{193}Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
317.0 *10*	0.184 *21*	^{205}At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
317.0	†7	^{238}Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
317.010 *8*	4.3 *4*	^{204}Po(3.53 h)	883.984(29.9), 270.068(27.8), 1016.31(24.1)
317.04 *15*	0.09 *3*	^{181}Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
317.056 *3*	4.95 *18*	^{199}Pt(30.80 m)	542.993(15), 493.772(5.59), 185.768(3.32)
• 317.062 *12*	0.001	^{235}U(7.038×10^{8} y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
317.1		^{157}Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
• 317.16 *10*	0.032 *6*	^{128}Ba(2.43 d)	273.44(15), 374.99(0.309), 229.50(0.106)
317.16 *1*	†23 *3*	^{229}Ac(62.7 m)	164.522(†100), 569.1(†91), 261.92(†39)
• 317.16 *1*	0.00776 *7*	^{233}U(1.592×10^{5} y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
317.2 *4*	0.47 *16*	^{76}Kr(14.8 h)	315.7(39), 270.2(21.1), 45.48(19.5)
317.2 *3*	0.207 *18*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
317.2 *3*	†0.9 *3*	^{155}Tm(21.6 s)	226.8(†100), 531.7(†20), 88.1(†17)
• 317.30 *9*	0.060 *6*	^{156}Eu(15.19 d)	811.79(9.70), 88.9667(8.4), 1230.68(7.98)
317.30 *16*	0.49 *10*	^{206}At(30.0 m)	700.66(98), 477.10(86), 395.54(48)
317.4 *4*	0.42 *10*	^{121}Cd(8.3 s)	2059.41(21.0), 1020.89(18.9), 987.81(13.6)
317.4	0.062 *18*	^{149}Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
317.46 *7*	1.30 *8*	^{157}Sm(482 s)	197.870(56.00), 196.461(16.8), 394.351(11.93)
317.49 *13*	0.203 *21*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
317.5 *4*	0.0220 *19*	^{72}Ga(14.10 h)	834.01(96), 2201.69(25.9), 629.95(24.8)
317.50 *6*	0.275 *25*	^{131}La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
317.5	†100 *10*	^{189}Tl(1.4 m)	215.6(†90), 335(†63), 228.4(†50)
317.59 *28*	0.12 *4*	^{137}Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
317.6 *3*	0.10 *5*	^{127}In(1.09 s)	1597.7(49), 646.1(6.2), 805.1(5.6)
317.6 *2*	0.51 *6*	^{157}Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
317.60 *7*	1.56 *8*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
317.63 *2*	0.59 *4*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
317.63 *20*	0.64 *12*	^{148}Ba(0.607 s)	56.08(29.20), 133.53(3.88), 415.78(3.59)
317.67 *3*	3.26 *17*	^{189}Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
317.7 *2*	3 *1*	^{128}Sb(9.01 h)	753.82(100), 743.22(100), 314.12(61)
317.70 *5*	0.580 *11*	^{194}Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
317.7 *5*	†0.3 *2*	^{195}Bi(183 s)	807.6(†100), 831.7(†100), 776.2(†95)
• 317.72 *5*	6.0×10^{-5}	^{103}Ru(39.26 d)	497.080(90.9), 610.33(5.75), 443.799(3.27)
• 317.72 *5*	1.50×10^{-5} *7*	^{103}Pd(16.991 d)	39.757(0.07), 357.47(0.0221), 497.080(0.00396)
317.72 *4*	0.123 *8*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
317.73	0.23 *5*	^{193}Au(17.65 h)	186.17(10.1), 255.57(6.7), 268.22(3.9)
317.75 *10*	0.56 *9*	^{157}Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
317.75 *9*	0.57 *6*	^{177}W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
317.76 *6*	5.0 *8*	^{79}Sr(2.25 m)	39.41(28), 105.00(21.8), 413.8(7.6)
• 317.77 *22*	0.019 *9*	^{103}Ru(39.26 d)	497.080(90.9), 610.33(5.75), 443.799(3.27)
317.8 *2*	0.15 *3*	^{100}Y(735 ms)	212.531(73), 118.59(15.4), 665.98(7.7)
317.8 *10*	0.8	^{222}Fr(14.2 m)	206.15(51), 111.12(12.5), 242.12(1.89)
317.82 *6*	0.078 *4*	^{121}I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
317.85 *21*	0.17 *7*	^{156}Ho(56 m)	266.35(54.7), 137.83(51), 366.25(10.73)
317.9 *3*	0.40 *9*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
• 317.9 *1*	0.002 *1*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
317.9 *2*	†37.5	^{198}Bi(693 s)	1063.5(†100), 197.6(†80), 562.4(†79)
317.912 *15*	2.1 *4*	^{151}Pr(18.90 s)	880.19(13), 189.057(11.8), 484.501(11.3)
317.94 *17*	†2.9 *6*	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
317.947 *18*	0.208 *8*	^{155}Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 317.95 *4*	0.00008 *1*	^{231}Th(25.52 h)	25.646(14.5), 84.216(6.6), 89.944(0.94)
318.0 *5*	†7	^{99}Rb(59 ms)	90.8(†100), 125.2(†40), 1071.6(†26)
318.0 *8*	0.023 *12*	^{103}Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
318.0 *3*	0.42 *7*	^{119}Cd(2.20 m)	1025.0(24.8), 2021.3(22.6), 720.7(17.9)
318.0 *3*	0.05 *5*	^{142}La(91.1 m)	641.285(47), 2397.8(13.3), 2542.7(10.00)
318.0 *3*	†6.0 *20*	^{163}Lu(238 s)	163.08(†100), 54.00(†88), 396.34(†63)
318.012 *6*	22.8 *6*	^{184}Ta(8.7 h)	414.03(72), 252.848(43), 920.932(32.0)
• 318.012 *6*	5.75 *8*	^{184}Re(169 d)	252.848(10.7), 216.548(9.43), 920.932(8.14)
318.04 *5*	0.235 *17*	^{101}Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
• 318.088 *16*	0.0776 *16*	^{131}I(8.02070 d)	364.489(81.7), 636.989(7.17), 284.305(6.14)
• 318.1 *7*	0.0034 *17*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
• 318.14 *8*	0.25 *7*	^{194}Au(38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
• 318.180 *2*	2.45 *3*	^{129}Cs(32.06 h)	371.918(30.60), 411.490(22.31), 548.945(3.40)
318.18 *5*	0.10 *3*	^{202}Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
318.2 *3*	0.009 *4*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
318.2 *1*	†2.3 *5*	^{171}Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
• 318.27 *10*	0.0010 *4*	^{95}Tc(61 d)	204.117(63.25), 582.082(29.96), 835.149(26.63)
318.3 *3*	0.044 *14*	^{89}Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
318.355 *4*	0.56 *17*	^{182}Hf(61.5 m)	942.80(18.8), 799.64(9.4), 114.3152(6.2)
318.4 *2*	0.13	^{76}Br(16.2 h)	559.101(74), 657.041(15.9), 1853.67(14.7)
318.4 *1*	2.03 *12*	^{129}La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
• 318.46 *19*	†0.41 *16*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
318.5 *2*	†3.8 *3*	^{203}At(7.4 m)	639.4(†100), 641.5(†55.8), 738.1(†38.4)
318.55 *18*	1.1 *3*	^{181}Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
318.6 *2*	0.51 *4*	^{136}I(46.9 s)	1313.02(100), 381.359(100), 197.316(78)
• 318.60 *10*	2.18 *8*	^{147}Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
318.60 *3*	0.379 *14*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
318.6 *5*	0.020 *6*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
• 318.6 *2*	0.065 *12*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
318.60 *10*	0.00086 *14*	^{195}Hg(9.9 h)	779.80(7), 61.46(6.2), 585.13(1.99)
• 318.60 *10*	0.0176 *20*	^{195}Hg(41.6 h)	261.75(30.9), 560.27(7), 387.87(2.15)
318.63 *18*	0.64 *5*	^{161}Yb(4.2 m)	78.20(34), 599.88(25.9), 631.45(13.9)
• 318.646 *15*	0.090 *4*	^{169}Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
318.666 *6*	0.0138 *3*	^{145}Pr(5.984 h)	748.278(0.5250), 675.795(0.514), 72.500(0.261)
318.69 *5*	0.642 *13*	^{194}Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
318.7 *4*	0.11 *3*	^{125}In(2.36 s)	1335.04(71), 1031.75(9.6), 617.88(7.4)
318.7 *4*	0.09 *5*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
318.7 *4*	†2.5 *5*	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
318.71 *3*	0.0012 *2*	^{69}Zn(56.4 m)	872.14(0.00025)
• 318.71 *3*	1.55 *11*	^{69}Ge(39.05 h)	1107.01(36), 574.17(13.3), 872.14(11.9)
318.710 *8*	2.89 *14*	^{157}Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
• 318.75 *23*	0.0055 *15*	^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
318.76 *2*	0.47 *6*	^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
318.8 *5*	0.22 *11*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
318.8 *1*	0.032 *5*	^{143}Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
318.8 *3*	0.0113 *22*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
318.82 *8*	0.035 *4*	^{135}Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
• 318.84 *7*	0.0110 *25*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
• 318.9 *6*	0.17 *4*	^{175}Hf(70 d)	343.40(84), 89.36(2.40), 433.0(1.436)
318.9 *2*	†46 *5*	^{181}Ir(4.90 m)	107.64(†100), 1639.6(†52), 231.6(†30)
318.9 *4*	0.05 *3*	^{198}Tl(5.3 h)	411.8044(82), 675.8874(11), 636.4(10.1)
318.94 *9*	0.67 *10*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
318.94 *6*	4.7 *3*	^{190}Au(42.8 m)	295.78(71.0), 301.82(23.4), 597.67(9.4)
319	2 *1*	^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
319.03 *7*	0.31 *3*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
319.09 *4*	4.39 *8*	^{172}Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
319.1 *2*	†4.1 *5*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
319.1 *3*	†3.6 *9*	^{159}Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
319.1 *3*	†2	^{223}Rn(23.2 m)	591.8(†100), 635.2(†76), 416.0(†55)
• 319.1 *5*	3.7×10^{-5} *4*	^{253}Es(20.47 d)	41.79(0.050), 389.11(0.0264), 387.1(0.00810)
• 319.14 *6*	19	^{105}Rh(35.36 h)	306.25(5.1), 280.41(0.167), 442.37(0.042)
• 319.14 *6*	4.35 *21*	^{105}Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
319.14 *6*	63000 *7*	^{105}Ag(7.23 m)	306.25(†12800), 442.37(†5900), 929.12(†4000)
319.15 *12*	†6.7 *13*	^{187}Hg(1.9 m)	233.38(†100), 376.34(†38), 240.26(†33)
• 319.174 *22*	0.134 *9*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
319.2	0.46	^{83}Zr(44 s)	55.55(8), 104.97(5.70), 475.1(5.1)
319.2 *3*	0.62 *18*	^{139}Sm(2.57 m)	273.7(37), 306.7(28.5), 596.3(8.0)
319.2 *4*	0.09 *3*	^{199}Pb(90 m)	366.90(44.2), 353.39(9.5), 1135.04(7.8)
319.20 *14*	0.501 *15*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 319.20 *14*	†2.11 *24*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
319.25 *16*	0.044 *5*	^{81}Rb(4.576 h)	190.38(64.0), 446.15(23.2), 510.31(5.3)
• 319.270 *20*	0.155 *4*	^{148}Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
• 319.29 *11*	0.009 *1*	^{238}Np(2.117 d)	984.45(27.8), 1028.54(20.3), 1025.87(9.6)
319.3	2 *1*	^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)
319.3	0.09	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
• 319.3	0.047	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
319.3 *3*	†32 *5*	^{156}Nd(5.47 s)	150.4(†100), 157.3(†78), 84.6(†63)
• 319.3 *1*	0.0023 *3*	^{177}Ta(56.56 h)	112.9498(7.2), 208.3664(0.94), 1057.8(0.29)
319.37 *15*	0.76 *10*	^{166}Lu(2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
319.4 *1*	0.029 *6*	^{145}Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
• 319.4	>0.0005	^{173}Lu(1.37 y)	272.105(21.2), 78.63(11.87), 100.724(5.24)
319.4		^{180}Os(21.5 m)	20.1(†100), 717.4, 667.0
• 319.411 *18*	1.95 *11*	^{147}Nd(10.98 d)	91.105(28), 531.016(13.1), 439.895(1.20)
319.45 *8*	0.45 *4*	^{80}Ge(29.5 s)	265.36(27.0), 110.4(6.5), 1564.3(4.9)
319.46 *10*	†4.2 *6*	^{165}Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
319.546 *5*	0.27 *5*	^{174}Tm(5.4 m)	366.526(92), 992.128(87), 272.918(86)
319.6 *4*	0.85 *17*	^{106}Rh(131 m)	511.842(85), 1045.83(30.4), 717.24(28.9)
319.6 *1*		^{121}I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
• 319.673 *1*	0.00330 *24*	^{161}Tb(6.88 d)	25.65150(23.2), 48.91562(17.0), 74.56711(10.2)
319.673 *1*	0.00066 *23*	^{161}Ho(2.48 h)	25.65150(27), 103.062(3.9), 77.414(1.91)
319.765 *3*	0.097 *18*	^{75}Br(96.7 m)	286.572(88), 141.3147(6.6), 427.883(4.4)
• 319.8 *3*	0.00631 *24*	^{99}Mo(65.94 h)	739.50(12.1), 181.063(6.08), 140.511(4.52)
319.80 *10*	3.9 *8*	^{194}Tl(32.8 m)	636.5(99), 428.0(99), 748.9(76)
• 319.802 *4*	4.8×10^{-6} *5*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
319.81 *6*	0.47 *4*	^{134}I(52.6 m)	847.025(95.4), 884.090(64.9), 1072.547(15.0)
319.84 *2*	1.50 *4*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
319.883 *18*	0.0440 *13*	^{166}Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
319.90 *4*	0.94 *4*	^{121}I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
319.90 *7*	9.4 *5*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
• 319.911 *8*	†0.50 *5*	^{136}Cs(13.16 d)	818.514(†100), 1048.073(†80), 340.547(†42.3)
• 319.95 *5*	0.288 *25*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
320.0 *1*	†30 *4*	^{84}Zr(25.9 m)	112.5(†100), 44.9(†48), 372.9(†41)
320.0 *3*	1.75 *15*	^{98}Sr(0.653 s)	119.353(73), 444.628(39), 428.4(31)
320 *1*	0.05 *3*	^{109}Rh(80 s)	326.868(54), 426.135(7.7), 178.034(7.6)
• 320 *1*	0.0010 *7*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
320.00 *15*	1.43 *13*	^{160}Yb(4.8 m)	173.74(42.0), 215.78(20.2), 140.35(9.3)
320 *1*	†3.6	^{178}Os(5.0 m)	968.7(†100), 1331.1(†94), 594.6(†72)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
320.0 *3*	0.040 *7*	^{181}Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
320	0.7	^{221}Ra(28 s)	149.0(9.0), 93.1(2.1), 174.1(1.6)
• 320.03 *15*	0.0017 *6*	^{152}Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
320.04		^{11}Li(8.5 ms)	
320.057 *18*	0.309 *13*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
320.0842 *9*	93	^{51}Ti(5.76 m)	928.6(6.9), 608.6(1.18)
• 320.0842 *9*	10	^{51}Cr(27.702 d)	
320.09 *3*	0.68 *4*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
320.1 *3*	†2.0 *5*	^{136}Eu(3.3 s)	254.9(†100), 431.4(†34), 458.0(†20)
320.1 *4*	0.074 *20*	^{140}Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
320.13 *5*	3.12 *18*	^{202}Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
320.2 *3*	0.076 *23*	^{79}Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
320.2 *5*	0.36 *5*	^{97}Rh(30.7 m)	421.55(75), 840.13(12.0), 878.80(9.0)
320.2 *5*	>0.06	^{141}Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
320.2 *1*	†3.81×10^3 *10*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
320.2 *4*	0.13 *7*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
320.2 *5*	†0.13 *2*	^{188}Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
320.2 *4*	11.8 *24*	^{189}Au(4.59 m)	166.40(59), 19.0, 6.22
• 320.209 *18*	0.00011 *1*	^{231}Th(25.52 h)	25.646(14.5), 84.216(6.6), 89.944(0.94)
320.3 *10*	0.055 *11*	^{199}Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
320.37 *20*	0.30 *3*	^{121}Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
320.4 *2*	†33 *2*	^{113}I(6.6 s)	462.5(†100), 622.4(†74), 351.5(†43)
320.4 *4*	0.207 *20*	^{114}Sb(3.49 m)	1299.90(99), 887.60(17.4), 327.18(7.0)
320.4 *3*	0.7 *3*	^{121}Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
320.4 *1*	0.052 *6*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
320.49 *12*	0.51 *5*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
320.5 *6*	†12 *2*	^{119}Xe(5.8 m)	231.8(†100), 98.5(†95), 461.5(†91)
320.5 *5*	0.08 *4*	^{126}Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
320.5	1.0	^{134}Nd(8.5 m)	163.2(58), 288.9(13), 216.8(12)
320.5 *2*	3.5 *5*	^{152}Ho(49.5 s)	647.2(92), 613.8(88.4), 683.3(88)
320.53 *8*	0.815 *9*	^{73}Se(39.8 m)	67.03(2.59), 253.70(2.356), 84.0(2.03)
320.53 *4*	2.17 *9*	^{119}I(19.1 m)	257.52(87), 635.86(2.69), 557.24(1.77)
320.54 *10*		^{158}Ho(21.3 m)	406.14(†100), 838.9(†84.3), 1484.1(†66.2)
320.54 *10*	†11.1 *19*	^{158}Ho(11.3 m)	218.21(†100.0), 98.91(†70), 945.7(†37)
320.541 *5*	†6.5 *12*	^{229}Ac(62.7 m)	164.522(†100), 569.1(†91), 261.92(†39)
• 320.541 *5*	0.00290 *3*	^{233}U(1.592×10^5 y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
320.57 *2*	0.55 *11*	^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
320.6 *2*	0.195 *23*	^{96}Rb(0.199 s)	815.0(78.00), 692.0(8.0), 813.2(7.0)
320.6 *1*	0.21 *5*	^{242}U(16.8 m)	67.60(9.6), 55.58(3.90), 585.0(1.92)
• 320.64 *11*	0.00061 *9*	^{129}Te(33.6 d)	695.88(2.988), 729.57(0.70), 556.65(0.118)
320.68 *8*	0.221 *13*	^{165}Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
320.7 *2*	1.7 *6*	^{129}Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
320.72 *10*	0.13 *3*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
320.72 *3*	†15.19 *18*	^{162}Lu(1.37 m)	166.82(†100), 631.87(†26.6), 798.76(†16.9)
320.74 *4*	0.56 *3*	^{101}Pd(8.47 h)	296.29(19), 590.44(12.06), 269.67(6.43)
320.75 *12*	†3.4 *6*	^{131}Sn(56.0 s)	1226.03(†100), 450.03(†90), 798.50(†86)
320.75 *20*	0.069 *5*	^{233}Np(36.2 m)	312.17(0.7), 298.89(0.44), 546.9(0.280)
• 320.75 *20*	†6.48×10^6 *20*	^{237}Pu(45.2 d)	280.40(†870000), 298.89(†7.85×10^6), 228.56(†3.93×10^6)
320.772 *15*	0.058 *9*	^{183}Os(13.0 h)	381.768(89.6), 114.463(20.63), 167.844(8.81)
320.8 *3*	0.69 *4*	^{170}Ta(6.76 m)	100.8(21.0), 221.2(15.7), 860.4(7.39)
320.839 *43*	†25.7 *16*	^{94}Kr(0.20 s)	629.2(†100), 764.5(†71), 219.466(†67.4)
320.84 *11*	0.508 *14*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
• 320.865 *10*	5.42×10^{-5} *7*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
320.89 *11*	0.135 *24*	^{204}Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
320.9 *3*	2.6 *3*	^{121}Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
320.92 *3*	10.2 *3*	^{107}In(32.4 m)	204.97(47), 505.51(11.9), 1268.33(5.43)
320.99 *12*	†100 *12*	^{189}Hg(7.6 m)	78.21(†63), 565.42(†48), 434.52(†47)
• 321.0 *3*	0.0068 *11*	^{99}Mo(65.94 h)	739.50(12.1), 181.063(6.08), 140.511(4.52)
321.0 *3*	3.0 *6*	^{118}Pd(1.9 s)	125.4(34), 125.4(34), 224.2(20.1)
321.0 *1*	1.40 *10*	^{237}Am(73.0 m)	280.23(47.3), 438.4(8.3), 473.5(4.3)
• 321.03 *4*	0.411 *3*	^{125}Sb(2.7582 y)	427.875(30), 600.600(17.86), 635.954(11.31)
321.06 *5*	0.222 *15*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
321.07 *4*	0.0185 *12*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
321.1 *5*	0.0023 *10*	^{167}Yb(17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
321.1 *1*	0.63 *3*	^{209}At(5.41 h)	545.0(91), 781.9(83.5), 790.2(63.5)
321.129 *8*	2.50 *2*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
321.13 *3*	†0.47 *3*	^{153}Pm(5.4 m)	35.842(†100), 127.298(†75), 28.309(†34.6)
321.16 *19*		^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
321.17 *11*	0.196 *20*	^{197}Pb(43 m)	385.85(74), 387.72(25.1), 222.45(24.6)
321.2 *2*	3.2 *4*	^{104}In(1.8 m)	658.0(100), 834.1(99), 878.1(29.4)
321.2 *4*	†4.0 *6*	^{172}W(6.6 m)	38.9(†100), 423.3(†44), 89.8(†33.0)
321.22 *7*	10.5 *7*	^{128}In(0.72 s)	831.54(100), 1168.80(100), 120.54(11.1)
• 321.24 *3*	0.063 *3*	^{249}Cf(351 y)	388.16(66), 333.37(14.6), 252.80(2.50)
321.3 *3*	8.3 *4*	^{158}Sm(5.30 m)	189.4(15.2), 363.6(12.4), 324.5(10.6)
321.3	0.05 *3*	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
321.3	0.17 *5*	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
321.31 *6*	0.68 *4*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
• 321.3162 *16*	0.219 *11*	^{177}Lu(6.734 d)	208.3664(11.0), 112.9498(6.4), 249.6741(0.212)
• 321.3162 *16*	1.20 *6*	^{177}Lu(160.4 d)	208.3664(57.7), 228.4838(37.0), 378.5029(29.7)
• 321.3162 *16*	0.022 *3*	^{177}Ta(56.56 h)	112.9498(7.2), 208.3664(0.94), 1057.8(0.29)
321.336 *24*	23.5 *8*	^{167}Ho(3.1 h)	346.547(56), 237.873(5.0), 207.801(4.9)
321.4 *1*	†2.0 *4*	^{75}Ga(126 s)	253.0(†100), 574.8(†31.6), 885.6(†11.1)
321.4 *2*	0.28 *3*	^{185}Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
321.4 *2*	†7.4 *7*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
321.4 *1*	23	^{225}Th(8.72 m)	246.0(5.06), 359.0(4.1), 305.9(4.1)
321.50 *3*	11.1 *16*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 159.528(10.2)
321.5 *3*	0.05 *5*	^{127}In(1.09 s)	1597.7(49), 646.1(6.2), 805.1(5.6)
321.5	0.028 *14*	^{141}Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
321.5	2.2	^{144}Dy(9.1 s)	196.5(11), 298.6(10), 475.5(5.0)
321.5 *2*	0.11 *7*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
321.54 *5*	1.306 *13*	^{127}Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
321.6 *2*	0.60 *9*	^{157}Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
321.6 *2*	0.5 *1*	^{159}Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
• 321.64 *4*	1.28 *6*	^{193}Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
321.646 *9*	0.234 *13*	^{228}Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
321.7 *1*	1.17 *22*	^{105}Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
321.7 *1*	1.23 *22*	^{129}Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
• 321.700 *25*	0.070 *6*	^{129}Cs(32.06 h)	371.918(30.60), 411.490(22.31), 548.945(3.40)
321.71 *15*	0.0012	^{239}U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
• 321.75 *20*	0.0013 *6*	^{238}Np(2.117 d)	984.45(27.8), 1028.54(20.3), 1025.87(9.6)
321.763 *25*	0.095 *16*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
321.78 *10*	0.26 *3*	^{157}Sm(482 s)	197.870(56.00), 196.461(16.8), 394.351(11.93)
321.81 *8*	0.76 *8*	^{190}Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
• 321.82 *11*	0.0036 *6*	^{172}Tm(63.6 h)	78.7435(6.5), 1093.657(6.0), 1387.093(5.6)
321.84 *20*	2.26 *16*	^{107}Rh(21.7 m)	302.77(66), 392.47(8.8), 312.21(4.8)
321.87 *10*	0.48 *7*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
321.9	0.018 *9*	^{149}Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
321.9 *6*	0.15	^{203}Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
• 321.926 *3*	0.181 *8*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
321.93 *20*	3.3 *4*	^{78}Zn(1.47 s)	224.75(43.9), 181.68(28.1), 860.30(24.5)
321.943 *16*	0.0016	^{162}Tb(7.60 m)	260.070(37.2), 807.53(42.8), 888.20(38.7)
321.943 *16*	0.084 *20*	^{162}Ho(67.0 m)	185.005(28.6), 1220.0(22.5), 282.864(11.3)
• 321.95 *10*	0.097 *11*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
322.0 *6*	0.20 *4*	^{83}Se(22.3 m)	356.687(70), 510.17(43), 224.8(32.7)
322.0 *1*	†0.9 *3*	^{172}Ir(2.0 s)	227.8(†100.0), 378.4(†62.0), 448.4(†40.5)
322.0		^{238}Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
• 322.01 *5*	0.0665 *18*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
322.01 *4*	0.13 *4*	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
322.05 *15*	0.053 *18*	^{101}Tc(14.22 m)	306.85(88), 545.06(6.0), 127.23(2.86)
322.08 *11*	†12 *1*	^{159}Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
322.1 *1*	7.0 *6*	^{117}Ag(5.34 s)	135.4(48), 386.8(39.9), 298.1(21.1)
322.1 *3*	†4.2 *16*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
322.1 *2*		^{146}Dy(29 s)	2156.8, 1915.7, 1876.7
• 322.1 *5*	0.019 *10*	^{148}Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
322.2 *3*	0.03 *3*	^{83}Se(70.1 s)	1030.86(21.2), 356.687(18), 987.96(16.1)
322.2 *1*	3.4 *4*	^{105}Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
322.2 *4*	3.8 *5*	^{116}Cs(3.84 s)	393.5(<0.09), 524.3(76), 615.1(30.4)
322.2 *2*	0.35 *6*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
322.2 *3*	0.0276 *23*	^{243}Pu(4.956 h)	84.0(23), 41.8(0.76), 381.7(0.56)
322.21 *22*	0.048 *3*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
• 322.264 *3*	0.0052	^{239}Np(2.3565 d)	106.125(27.2), 277.599(14.38), 228.183(10.76)
322.264 *3*	0.0026 *3*	^{239}Am(11.9 h)	277.599(15.0), 228.183(11.3), 209.753(3.50)
• 322.264 *3*	0.0070 *10*	^{243}Cm(29.1 y)	277.599(14.0), 228.183(10.6), 209.753(3.29)
322.27 *4*	0.027 *3*	^{155}Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
322.3 *2*	3 *1*	^{128}Sb(9.01 h)	753.82(100), 743.22(100), 314.12(61)
322.3 *4*	0.20 *10*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
322.3 *10*	0.19 *4*	^{201}Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
322.37 *15*	1.6 *5*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
322.4 *1*	†100	^{120}Cs(64 s)	473.5(†30), 553.4(†19.1), 601.2(†10.9)
322.4 *2*	0.11 *6*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
322.4 *3*	†7.2	^{149}Ce(5.3 s)	57.7(†100), 380.0(†33.7), 86.4(†20.2)
322.41 *8*	0.000097 *5*	^{99}Tc(6.01 h)	232.72(8.5×10^{-6}), 89.65
• 322.41 *8*	5.4 *3*	^{99}Rh(16.1 d)	528.24(33), 353.05(30.0), 89.65(29.0)
322.41 *8*	0.88 *11*	^{99}Rh(4.7 h)	340.71(70), 617.8(12.0), 1261.2(11)
322.42 *15*	0.077 *11*	^{201}Pb(9.33 h)	331.19(79), 361.27(9.9), 945.96(7.4)
322.5 *1*	1.20 *12*	^{107}Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
322.5 *4*	0.126 *18*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
322.5	0.07 *3*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
322.5 *2*	0.43	^{212}Fr(20.0 m)	1273.8(46), 227.72(43), 1185.6(14.1)
• 322.52 *3*	†0.518×10^{6} *10*	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^{9}), 33.195(†6000×10^{8})
• 322.52		^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^{9}), 33.195(†6000×10^{8})
322.6 *10*	0.62 *21*	^{135}Nd(12.4 m)	204.02(52), 41.43(23), 441.2(14.9)
322.6 *3*	0.91 *18*	^{139}Sm(2.57 m)	273.7(37), 306.7(28.5), 596.3(8.0)
322.63 *17*		^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
322.7 *2*	†10.8 *11*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
322.7 *4*	†1.9	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
322.8 *2*	†2	^{87}Nb(2.6 m)	200.95(†100), 470.63(†73), 1066.8(†37)
• 322.81 *3*	0.123 *7*	^{206}Po(8.8 d)	1032.26(32.9), 511.36(24.1), 286.410(23.8)
322.9 *3*	†3.9 *9*	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 234.0(†40.0)
322.9 *2*	†11.8 *24*	^{187}Hg(1.9 m)	233.38(†100), 376.34(†38), 240.26(†33)
322.9 *2*	†3.5 *8*	^{229}Ac(62.7 m)	164.522(†100), 569.1(†91), 261.92(†39)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
322.92 *2*	0.0166 *5*	^{188}Re(16.98 h)	155.032(14.9), 632.99(1.25), 477.99(1.0)
• 322.92 *2*	1.62 *13*	^{188}Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
323.0 *1*	0.088 *6*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
323.1 *4*	0.13 *4*	^{151}Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
323.1 *2*	0.39 *3*	^{230}Fr(19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)
323.15 *7*	0.250 *9*	^{187}Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
323.17 *7*	1.03 *6*	^{190}Au(42.8 m)	295.78(71.0), 301.82(23.4), 597.67(9.4)
323.20 *18*	6.3 *5*	^{90}Mo(5.67 h)	257.34(78), 122.370(64.2), 203.13(6.4)
323.2	0.30	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
323.2 *5*	†65 *7*	^{155}Tm(45 s)	88.1(†100), 507.0(†40), 247.0(†28)
323.21 *42*	0.12 *4*	^{137}Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
323.34 *2*	1.03 *6*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
• 323.39 *3*	1.75 *13*	^{182}Re(64.0 h)	229.3220(26), 67.75001(22.2), 1121.3007(22.0)
323.4		^{99}Y(1.470 s)	121.761(33), 724.30(14.9), 536.2(6.6)
• 323.4 *2*		^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
323.4 *4*		^{199}Pb(12.2 m)	366.90(7), 382.8, 2751.9
• 323.42 *5*	0.00077 *12*	^{233}U(1.592×10^5 y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
323.5 *5*	0.0035 *10*	^{167}Yb(17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
323.51 *8*		^{187}Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
• 323.519 *4*	0.023 *8*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
• 323.57 *5*	0.345 *11*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
• 323.59 *5*	†1.56×10^4 *16*	^{134}Ce(75.9 h)	162.306(†230000), 130.414(†209000), 39.08(†>150000)
323.6 *12*	0.6	^{186}Pt(2.0 h)	276.7(0), 611.5(6.0), 635.6(>3.8)
323.6 *4*	†2.4	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
323.6 *2*	†56 *9*	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
323.63 *12*	0.76 *6*	^{148}Ba(0.607 s)	56.08(29.20), 133.53(3.88), 415.78(3.59)
323.663 *3*	0.32 *6*	^{199}Pt(30.80 m)	542.993(15), 493.772(5.59), 317.056(4.95)
323.665 *20*	1.18 *3*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
323.7 *4*		^{109}Tc(0.87 s)	194.6(†100), 128.7(†51), 96.2(†48)
323.7 *4*	0.15 *3*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
• 323.7 *4*	0.02 *1*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
323.7 *5*		^{167}Ho(3.1 h)	346.547(56), 321.336(23.5), 237.873(5.0)
• 323.7 *5*	0.0021 *5*	^{167}Tm(9.25 d)	207.801(41), 57.0723(4.6), 531.54(1.6)
323.7 *2*	†2.51 *14*	^{192}Tl(9.6 m)	422.8(†100), 634.8(†75.9), 786.3(†31.7)
323.7		^{192}Pb(3.5 m)	1195.4(47), 608.2(17.9), 167.5(13.6)
• 323.71 *4*	0.010 *3*	^{189}Re(24.3 h)	216.663(5.50), 219.395(4.54), 245.09(3.5)
323.8 *3*	0.14 *3*	^{66}Ge(2.26 h)	43.89(28.7), 381.85(28), 272.97(10.4)
323.8 *4*	1.2 *4*	^{131}Sb(23.03 m)	943.4(47), 933.1(26.1), 642.30(23)
323.8 *10*	0.28 *9*	^{149}Er(8.9 s)	1171.0(9.4), 171.5(6.5), 343.9(6.3)
323.8	0.015 *7*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
323.81 *5*	†0.16 *2*	^{213}Bi(45.59 m)	544.9(†0.016), 868.0(†0.012)
323.84 *3*	0.06 *3*	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
323.85 *8*	0.61 *9*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
• 323.853 *4*	5.39×10^{-5} *7*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
• 323.871 *10*	3.93 *7*	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 144.232(3.22)
• 323.889 *15*	1.500 *25*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
323.89 *5*	24.1 *12*	^{93}Kr(1.286 s)	253.42(41.2), 266.83(20.6), 252.51(19.5)
323.9 *2*	†37 *4*	^{117}Pd(4.3 s)	247.5(†100), 649.9(†41), 625.9(†28)
323.9 *4*	0.053 *20*	^{126}In(1.60 s)	1141.11(55.9), 3344.61(21.6), 969.61(14.9)
323.9 *4*	0.25 *10*	^{126}In(1.64 s)	1141.11(100), 908.58(99), 111.79(88)
323.9 *4*	†1.9	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
323.9 *1*	†3.2 *1*	^{200}At(43 s)	665.9(†100), 611.1(†85.0), 484.5(†49.8)
• 323.94 *1*	1.22 *9*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
• 323.95 *9*	0.00152 *15*	^{149}Pm(53.08 h)	285.95(3.1), 859.46(0.109), 590.88(0.069)

Energy-ordered Decay γ-ray Tables from the *Table of Isotopes*

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 323.98 *9*	0.016 *1*	^{238}Np(2.117 d)	984.45(27.8), 1028.54(20.3), 1025.87(9.6)
323.98 *9*	0.062 *8*	^{238}Am(98 m)	962.77(28), 918.69(23.0), 561.11(10.9)
324.0 *1*	0.8 *3*	^{146}Tb(23 s)	1579.4(100), 1078.6(51.6), 1417.2(17.2)
324.0	†2.5	^{193}Pb(5.8 m)	365.2(†100), 392.2(†20.7), 716.4(†6.7)
• 324.0 *5*	2	^{194}Ir(171 d)	482.833(97), 328.455(93), 600.5(62)
324.03 *6*	5.3 *8*	^{79}Sr(2.25 m)	39.41(28), 105.00(21.8), 413.8(7.6)
324.1 *1*	†0.51 *5*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
324.1		^{168}Hf(25.95 m)	183.8(†100), 157.2(†68), 248.4
324.1	0.019 *9*	^{221}Fr(4.9 m)	218.19(11.6), 410.7(0.14), 99.5(0.11)
324.22 *5*	2.77 *8*	^{222}Ra(38.0 s)	328.9(0.0043), 472.5(0.0040), 840.2(0.0025)
324.26 *15*	>0.028	^{164}Yb(75.8 m)	40.928(1.147), 675.41(0.38), 390.6(0.31)
324.3 *2*	0.050 *12*	^{133}Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
324.3 *5*	0.02 *1*	^{214}Pb(26.8 m)	351.921(35.8), 295.213(18.5), 241.981(7.50)
324.35 *8*	†34 *3*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
324.37 *10*	†100	^{193}Tl(21.6 m)	1044.7(†59), 676.10(†48), 1579.3(†45)
324.4 *1*	0.48 *5*	^{109}Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
324.4 *3*	0.37 *7*	^{109}In(4.2 h)	203.5(74), 623.7(5.5), 1148.9(4.3)
324.41 *2*	0.79 *5*	^{207}At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
324.43 *18*	0.48 *10*	^{181}Os(105 m)	238.75(44), 826.77(20), 118.03(12.9)
• 324.48 *3*	10.79 *17*	^{97}Ru(2.9 d)	215.718(86), 569.31(0.873), 460.57(0.121)
324.49 *5*		^{173}W(7.5 m)	457.68(†100), 130.19(†31.5), 174.8(†29.1)
324.5 *3*	10.6 *5*	^{158}Sm(5.30 m)	189.4(15.2), 363.6(12.4), 224.1(8.5)
324.5 *2*	6.4 *7*	^{179}Yb(8.0 m)	592.1(75), 612.3(35.4), 381.4(9.6)
324.5 *5*	†17 *3*	^{180}Au(8.1 s)	153.3(†100), 524.3(†29), 257.6(†26)
324.5 *2*	†96	^{206}Rn(5.67 m)	497.7(†100), 386.6(†61), 773.1(†57)
324.54 *11*	†3.4 *6*	^{165}Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
• 324.55 *25*	0.008 *4*	^{195}Hg(41.6 h)	261.75(30.9), 560.27(7), 387.87(2.15)
324.56 *17*	0.32 *7*	^{175}Tm(15.2 m)	514.868(65), 941.23(15), 363.942(12.7)
324.6	0.6	^{83}Zr(44 s)	55.55(8), 104.97(5.70), 475.1(5.1)
324.6 *5*	0.22 *15*	^{97}Rh(30.7 m)	421.55(75), 840.13(12.0), 878.80(9.0)
324.6 *4*	0.0013 *5*	^{141}La(3.92 h)	1354.52(1.64), 1693.3(0.074), 2267.0(0.0413)
324.6 *1*	2.5 *3*	^{141}Sm(10.2 m)	403.8(43), 438.8(37.7), 1292.6(6.8)
• 324.63 *25*	0.0069 *13*	^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
324.650 *4*	0.11 *4*	^{75}Br(96.7 m)	286.572(88), 141.3147(6.6), 427.883(4.4)
• 324.651 *25*	0.0212 *25*	^{131}I(8.02070 d)	364.489(81.7), 636.989(7.17), 284.305(6.14)
324.67 *8*	†42 *4*	^{168}Lu(5.5 m)	1483.65(†100), 228.58(†97), 111.8(†68)
324.68 *2*	0.53 *3*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
324.7 *2*	†0.4 *1*	^{225}Fr(4.0 m)	182.3(†100), 31.50(†91), 225.1(†55)
• 324.73 *4*	0.098 *6*	^{206}Po(8.8 d)	1032.26(32.9), 511.36(24.1), 286.410(23.8)
324.76 *10*	0.0080 *12*	^{133}La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
• 324.789 *5*	0.0751 *21*	^{152}Eu(13.542 y)	344.281(26.58), 778.91(12.96), 411.115(2.231)
324.789 *5*	†>1.5	^{152}Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
• 324.8 *2*	13.4 *11*	^{101}Rh(3.3 y)	127.23(73), 197.6(70.8), 295.0(0.73)
324.8 *5*	0.24 *8*	^{126}Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
324.8 *2*		^{146}Dy(29 s)	2156.8, 1915.7, 1876.7
324.81 *3*	0.0314 *15*	^{107}Cd(6.50 h)	93.124(1.45), 828.93(0.17), 796.462(0.0665)
324.82 *7*	0.124 *15*	^{132}Ce(3.51 h)	182.11(77), 155.37(10.5), 216.83(4.95)
324.85 *5*	7.6 *3*	^{148}Ce(56 s)	269.519(17.0), 291.724(16.7), 121.169(13.2)
324.89 *5*	0.35 *6*	^{193}Au(17.65 h)	186.17(10.1), 255.57(6.7), 268.22(3.9)
324.9 *2*	0.39	^{135}Pr(24 m)	296.12(24), 82.64(13.7), 213.45(13.0)
324.90 *8*	0.290 *18*	^{138}Cs(33.41 m)	1435.795(76.3), 462.796(30.7), 1009.78(29.8)
324.90 *8*	1.18 *19*	^{138}Cs(2.91 m)	1435.795(19), 462.796(18.6), 191.96(15.4)
324.9 *4*	>0.11	^{209}Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
324.9 *10*	>0.006	^{219}Rn(3.96 s)	271.23(10.8), 401.81(6.37), 130.59(0.119)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 324.92 *6*	0.017 *4*	^{71}As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
• 324.94 *19*	†0.33	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
324.976 *13*	49.5 *20*	^{121}Cd(13.5 s)	1040.26(16.8), 349.937(12.9), 1483.23(8.2)
324.980 *23*	0.81 *3*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
325.0 *2*	0.023 *9*	^{105}Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
325.0 *2*	0.18 *4*	^{119}Ag(2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
325.0 *5*	0.071 *22*	^{142}Cs(1.70 s)	359.598(27.2), 1326.46(12.92), 966.89(9.0)
325	†43	^{174}Os(44 s)	118(†100), 302(†26), 138(†25)
325.0 *2*	†27 *1*	^{191}Pb(2.18 m)	387.1(†100), 712.2(†46), 613.5(†40)
325.0 *4*	0.09 *3*	^{198}Tl(5.3 h)	411.8044(82), 675.8874(11), 636.4(10.1)
• 325.079 *5*	0.023 *5*	^{77}Br(57.036 h)	238.996(23), 520.639(22.4), 297.215(4.16)
325.1 *3*	88 *8*	^{96}Ag(5.1 s)	1415.4(100), 683.8(96), 106.4(40)
325.1 *5*	2.91 *7*	^{137}Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
325.1 *2*	2.5 *3*	^{257}Md(5.52 h)	371.4(11.7), 181.3(0.41), 388.5(0.07)
325.18 *10*	0.75 *9*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
325.2 *2*	2.1	^{145}Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)
• 325.2 *3*	0.015 *3*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
325.2 *2*	†11.6 *12*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
• 325.26 *7*	0.16 *5*	^{105}Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
325.284 *4*	1.5 *3*	^{109}Rh(80 s)	326.868(54), 426.135(7.7), 178.034(7.6)
325.293 *16*	2.13 *9*	^{208}Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
325.3 *2*	0.13 *5*	^{117}Cd(3.36 h)	1997.33(26), 1065.98(23.1), 564.397(14.7)
325.3 *4*	†0.6 *3*	^{126}Cd(0.506 s)	260.09(†100), 428.11(†83.7), 688.23(†5.9)
325.3 *3*	0.023 *8*	^{138}Xe(14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
325.3	†>1.5	^{152}Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
325.3 *1*	5.2 *4*	^{208}Fr(59.1 s)	635.8(10), 778.5(6.8), 553.1(3.04)
325.3 *1*	0.050 *20*	^{223}Ac(2.10 m)	98.58(0.891), 191.3(0.58), 83.55(0.57)
325.32 *5*	0.94 *5*	^{224}Fr(3.30 m)	215.985(33.1), 131.613(16.3), 836.90(9.8)
325.40 *2*	2.75 *13*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
• 325.488 *6*	0.0045 *13*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
325.49 *30*	0.10 *4*	^{137}Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
325.50 *8*	0.246 *21*	^{79}Ge(19.1 s)	109.58(21), 1505.85(9.2), 100.48(2.70)
325.50 *8*	2.09 *18*	^{79}Ge(39.0 s)	230.62(61), 542.27(32.6), 755(18)
325.5 *7*	0.034 *13*	^{111}Sn(35.3 m)	1152.98(2.7), 1914.70(1.99), 761.97(1.48)
325.5 *2*	†100 *5*	^{132}Pr(1.6 m)	496.9(†25), 822.4(†17.3), 533.1(†15.2)
• 325.50 *30*	0.043 *16*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
325.5 *5*	0.07	^{203}Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
325.53 *13*	0.39 *7*	^{105}In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
325.562 *4*	94.1 *11*	^{178}Lu(23.1 m)	426.383(97.0), 213.440(81.4), 88.867(64.4)
325.562 *4*	94.1 *11*	^{178}Ta(2.36 h)	426.383(97.0), 213.440(81.4), 88.867(64.4)
325.6 *15*	0.027 *8*	^{77}Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
325.6 *1*	13.7 *14*	^{108}In(58.0 m)	875.46(100), 632.96(100), 242.84(41)
325.61 *8*	0.0059 *10*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
325.69 *25*		^{182}Au(21 s)	154.76(†100), 264.33(†40.0), 855.41(†14.5)
325.70 *7*	11.17 *24*	^{73}Ga(4.86 h)	297.32(79.8), 739.42(4.23), 767.8(1.44)
325.7 *10*	0.17 *3*	^{201}Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
325.76 *5*	2.84 *7*	^{138}Nd(5.04 h)	199.50(0.53), 341.65(0.40), 215.31(0.28)
• 325.789 *4*	0.274 *21*	^{131}I(8.02070 d)	364.489(81.7), 636.989(7.17), 284.305(6.14)
325.8 *2*	0.27 *3*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
• 325.80 *10*	0.0004	^{235}U(7.038×10^{8} y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
• 325.85 *10*	0.106 *14*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
325.85 *14*	0.66 *8*	^{195}Pb(15.0 m)	383.64(106.9), 394.21(44), 878.40(24.2)
325.9 *3*	75	^{117}I(2.22 m)	274.4(20.4), 661.5(5.1), 684.0(3.23)
325.9	1.3 *6*	^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
325.9 *2*	0.23 *7*	^{159}Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
325.9 *1*	0.038 *6*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
326.00 *20*	0.39 *7*	^{99}Ag(124 s)	264.41(65), 832.29(13.5), 805.07(12.5)
326.0 *10*	†13 *4*	^{106}Sn(115 s)	386.8(†100), 477.5(†62), 253.30(†57)
326.0 *4*	0.28 *11*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
326.0 *2*	0.0023 *17*	^{135}I(6.57 h)	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
326.00 *10*	0.24 *3*	^{156}Tm(83.8 s)	344.55(86), 452.85(17.2), 585.93(14.6)
326.0	†0.54 *25*	^{178}Ir(12 s)	266.1(†100.0), 131.6(†79), 363.1(†39.9)
326		^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
326.0	0.15 *4*	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
326.0	0.022 *16*	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
• 326.0 *4*	0.024 *5*	^{252}Es(471.7 d)	52.33(0.55), 64.42(0.274), 418.5(0.220)
326.04 *20*	0.034 *5*	^{228}Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
326.10 *10*	2.03 *22*	^{115}Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
326.1 *3*	†52	^{119}Pd(0.92 s)	129.9(†100), 256.6(†63), 69.9(†12)
326.1 *3*	0.068 *20*	^{140}Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
326.1 *5*	0.042 *9*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
• 326.11 *10*	†1.6	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
326.14 *10*	1.06 *12*	^{105}Ru(4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
326.16 *20*	92	^{157}Dy(8.14 h)	182.20(1.84), 83.01(0.62), 60.82(0.5)
326.1748 *22*	0.13 *3*	^{75}Br(96.7 m)	286.572(88), 141.3147(6.6), 427.883(4.4)
326.2 *4*	1.2 *6*	^{131}Sb(23.03 m)	943.4(47), 933.1(26.1), 642.30(23)
326.2	0.013	^{135}Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
326.2 *3*	4.7 *8*	^{154}Ho(11.76 m)	334.6(84), 412.4(15.0), 873.4(12.5)
326.20 *7*	1.57 *6*	^{163}Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
326.2 *5*	†>0.26	^{180}Au(8.1 s)	153.3(†100), 524.3(†29), 257.6(†26)
326.28 *20*	0.10	^{113}Pd(93 s)	95.74(3.3), 643.7(3.0), 739.63(2.4)
326.30 *19*	0.54 *3*	^{109}In(4.2 h)	203.5(74), 623.7(5.5), 1148.9(4.3)
326.3 *5*	0.039	^{122}Xe(20.1 h)	350.065(7.80), 148.612(2.62), 416.633(1.87)
326.3 *2*	0.34 *10*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
326.3 *2*	0.031 *10*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
326.3 *3*	0.058 *10*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
326.30 *4*	0.0167 *14*	^{159}Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
326.3 *3*	0.19 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
326.3 *3*	†<2	^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
326.3 *2*	†74 *4*	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
326.32 *9*	0.31 *5*	^{98}Nb(2.86 s)	787.374(13), 1023.73(6.1), 1432.22(3.4)
326.32 *9*	0.047 *9*	^{98}Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
• 326.349 *4*	0.050 *11*	^{196}Au(6.183 d)	355.684(87), 332.983(22.9), 521.175(0.389)
326.37 *18*	0.28 *22*	^{181}Os(105 m)	238.75(44), 826.77(20), 118.03(12.9)
326.4 *5*	0.50 *11*	^{180}Ir(1.5 m)	276.4(56), 132.2(38.1), 699.0(13.4)
326.41 *17*	†2.1 *3*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
• 326.51 *10*	0.0144 *6*	^{134}Cs(2.062 y)	604.699(97.56), 795.845(85.44), 569.315(15.43)
326.517	>0.016	^{39}Cl(55.6 m)	1267.185(54), 250.332(46.3), 1517.508(39.2)
326.55 *21*		^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
326.554 *10*	4.56 *10*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
326.60 *20*	†7.9 *9*	^{106}Mo(8.4 s)	465.70(†100), 54.00(†54), 618.60(†25)
326.6 *4*	0.08 *4*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
326.6 *3*	0.75 *25*	^{186}Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
326.64 *15*	†53 *4*	^{102}Y(0.36 s)	151.73(†100), 1091.3(†42), 579.4(†35)
326.64 *15*	†8.6 *9*	^{102}Y(0.30 s)	151.73(†100), 1211.08(†40), 1059.21(†29)
326.7 *3*	†4.1×10^3 *7*	^{158}Er(2.29 h)	71.91(†23300), 386.84(†111000), 248.58(†42000)
326.7 *2*	†7	^{256}Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
• 326.785 *15*	3.034 *25*	^{71}As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
326.8 *2*	0.37 *10*	^{121}Cs(155 s)	153.9(15.2), 239.6(7.7), 427.1(3.63)
326.8 *4*	0.090 *6*	^{139}Xe(39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
326.8 *3*	2.06 *14*	^{158}Sm(5.30 m)	189.4(15.2), 363.6(12.4), 324.5(10.6)
326.868 *4*	54	^{109}Rh(80 s)	426.135(7.7), 178.034(7.6), 291.430(7.5)
326.9 *2*	1.89 *16*	^{101}Ag(11.1 m)	261.0(53), 588.0(10.0), 667.3(9.8)
326.9 *2*	†5.5 *16*	^{131}Ce(10.3 m)	169.42(†100), 414.25(†68), 119.18(†44)
326.9 *6*	0.023 *7*	^{138}Nd(5.04 h)	325.76(2.84), 199.50(0.53), 341.65(0.40)
326.9 *1*	9.4 *4*	^{188}Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
326.95 *20*	0.81 *6*	^{186}Au(10.7 m)	191.56(62), 298.67(25.4), 764.89(10.5)
327 *1*	0.12 *5*	^{100}Nb(1.5 s)	535.60(45.7), 528.24(9.1), 159.547(8.8)
327.0		^{112}Ru(1.75 s)	244.6, 82.4
327.0 *10*	†>3.3	^{158}Ho(11.3 m)	218.21(†100.0), 98.91(†70), 945.7(†37)
327.05 *30*	0.0140 *22*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
327.06 *32*	0.10 *4*	^{137}Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
327.1 *5*	0.066 *24*	^{101}Zr(2.1 s)	119.3(10.8), 205.6(6.0), 912.2(3.48)
327.1 *10*	0.28	^{149}Er(8.9 s)	1171.0(9.4), 171.5(6.5), 343.9(6.3)
327.14 *7*	0.27	^{227}Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
• 327.14 *7*	0.038 *4*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
327.18 *8*	7.0 *5*	^{114}Sb(3.49 m)	1299.90(99), 887.60(17.4), 717.30(4.6)
327.2 *1*	1.13 *16*	^{117}Ag(72.8 s)	135.4(23), 337.7(10.3), 157.1(7.9)
• 327.20 *5*	0.19 *4*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
327.3 *3*	52	^{232}Np(14.7 m)	819.187(33.3), 866.760(24.4), 863.89(20.3)
327.32	0.112 *21*	^{228}Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
327.32	2.2 *3*	^{228}Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
327.4 *2*	0.8	^{145}La(24.8 s)	70.0(11), 355.8(3.8), 118.2(3.6)
• 327.4 *10*	0.085 *16*	^{147}Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
327.428 *8*	25.4 *25*	^{245}Pu(10.5 h)	560.13(5.4), 308.222(4.9), 376.676(3.2)
• 327.428 *8*	83000 *14*	^{249}Bk(320 d)	308.222(†15000)
327.43 *15*	>0.028	^{164}Yb(75.8 m)	40.928(1.147), 675.41(0.38), 390.6(0.31)
• 327.526 *10*	0.00372 *19*	^{149}Pm(53.08 h)	285.95(3.1), 859.46(0.109), 590.88(0.069)
• 327.526 *10*	4.03 *12*	^{149}Eu(93.1 d)	277.089(3.56), 22.510(2.32), 254.566(0.636)
327.55 *4*	3.32 *24*	^{204}At(9.2 m)	684.341(95), 516.318(90), 426.253(67.5)
327.6 *3*	5.3 *9*	^{108}Rh(6.0 m)	433.937(88), 581.1(60), 947.27(49)
327.60 *15*	2.35 *17*	^{160}Yb(4.8 m)	173.74(42.0), 215.78(20.2), 140.35(9.3)
327.67 *10*	0.212 *15*	^{101}Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
• 327.6829 *7*	18.1 *5*	^{177}Lu(160.4 d)	208.3664(57.7), 228.4838(37.0), 378.5029(29.7)
327.69 *8*		^{132}Ce(3.51 h)	182.11(77), 155.37(10.5), 216.83(4.95)
327.7	3.8 *5*	^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)
327.8 *5*	0.29 *4*	^{208}At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
327.81 *17*	0.0030 *10*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
327.9 *3*	0.6	^{130}La(8.7 m)	357.4(81.0), 550.7(25.9), 908.0(17.0)
327.9 *4*	†0.28 *13*	^{155}Tm(21.6 s)	226.8(†100), 531.7(†20), 88.1(†17)
327.9 *1*	†1.0 *3*	^{172}Ir(2.0 s)	227.8(†100.0), 378.4(†62.0), 448.4(†40.5)
327.96 *10*	0.139 *11*	^{212}Bi(60.55 m)	39.858(1.091), 452.83(0.31), 288.07(0.31)
327.995 *2*	2.95 *16*	^{228}Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
327.995 *2*	1.90 *14*	^{228}Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
• 327.995 *2*	0.00282 *5*	^{232}U(68.9 y)	57.762(0.200), 129.065(0.0686), 270.243(0.00316)
328.0 *2*	1.8 *5*	^{121}Cd(13.5 s)	324.976(49.5), 1040.26(16.8), 349.937(12.9)
328.0 *1*	†3.1 *3*	^{123}La(17 s)	92.5(†100), 937.3(†43), 153.6(†43)
328	†0.8	^{224}Ac(2.9 h)	156.4(†100), 140.8(†55), 261.6(†28)
328.0 *5*	0.00023 *4*	^{255}Fm(20.07 h)	81.477(0.81), 58.477(0.67), 80.92(0.27)
• 328.1 *3*	0.002 *1*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
328.1 *1*	2.62 *14*	^{200}Po(11.5 m)	671.0(34.0), 617.7(19.7), 434.4(9.3)
328.12 *10*	0.00140 *14*	^{207}Tl(4.77 m)	897.80(0.260), 569.702(0.00159)

Energy-ordered Decay γ-ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 328.12 *10*	0.00067 *8*	^{207}Bi(31.55 y)	569.702(97.74), 1063.662(74.5), 1770.237(6.87)
328.12 *10*	0.0033 *11*	^{211}Po(0.516 s)	897.80(0.561), 569.702(0.5)
328.18 *3*	0.0297 *15*	^{133}La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
328.24	1.0 *4*	^{42}Sc(61.7 s)	436.92(100), 1524.70(99.70), 1227.66(99.0)
328.3	2.6 *3*	^{38}Ca(440 ms)	1567.9(21), 3211.2(0.29)
328.3 *2*	2.08 *20*	^{126}Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
328.3 *2*	0.022 *11*	^{157}Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
• 328.32 *6*	0.0825 *25*	^{151}Gd(124 d)	153.56(6.20), 243.28(5.60), 174.70(2.96)
328.331 *21*	†17.2 *14*	^{224}Rn(107 m)	260.581(†100), 265.806(†93), 202.21(†21.9)
• 328.38 *10*	0.0033 *5*	^{115}Cd(53.46 h)	336.240(45.9), 527.900(27.45), 492.3(8.03)
328.4 *1*	†0.54 *5*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
• 328.40 *3*	0.206 *7*	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)
328.45	>0.7	^{50}Ca(13.9 s)	256.894(98), 1519.30(62.0), 71.552(52)
328.455 *11*	13.1 *4*	^{194}Ir(19.15 h)	293.545(2.55), 645.157(1.17), 938.70(0.599)
• 328.455 *11*	93 *5*	^{194}Ir(171 d)	482.833(97), 600.5(62), 687.7(59)
• 328.455 *11*	60 *3*	^{194}Au(38.02 h)	293.545(10.2), 1468.91(6.3), 2043.67(3.54)
328.460 *20*	1.20 *17*	^{106}Rh(131 m)	511.842(85), 1045.83(30.4), 717.24(28.9)
• 328.460 *20*	1.14 *5*	^{106}Ag(8.28 d)	511.842(88), 1045.83(29.6), 717.24(28.9)
328.5 *5*	3.29 *7*	^{137}Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
• 328.537 *11*	6.0×10^{-5} *9*	^{233}U(1.592×10^{5} y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
328.6 *3*	22 *5*	^{116}Rh(0.9 s)	340.5(90), 639.4(52), 538.4(40)
328.6 *3*	†104 *19*	^{140}Tb(2.4 s)	627.8(†54), 507.6
328.6 *3*		^{141}Dy(0.9 s)	507.6
• 328.6 *4*	0.022 *12*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
328.6 *4*	†0.20 *10*	^{155}Tm(21.6 s)	226.8(†100), 531.7(†20), 88.1(†17)
328.6 *1*	†1.3 *3*	^{225}Fr(4.0 m)	182.3(†100), 31.50(†91), 225.1(†55)
• 328.61 *6*	0.15 *7*	^{105}Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
328.68 *7*	9.5 *7*	^{174}W(31 m)	35.42(14.1), 428.83(12.7), 378.54(8.3)
328.7 *1*	9.3 *6*	^{95}Rb(377.5 ms)	352.02(49), 204.02(15.1), 680.7(14.8)
328.7 *1*	†71	^{96}Rb(0.199 s)	352.02(†700), 204.02(†200), 680.7(†121)
328.7 *2*	†12.7 *15*	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 234.0(†40.0)
328.75 *3*	0.0519 *19*	^{96}Y(5.34 s)	1750.42(2.350), 2225.93(0.322), 475.33(0.188)
328.75 *3*	0.5	^{96}Y(9.6 s)	1750.42(89), 915.0(60), 617.1(56)
• 328.762 *8*	20.3 *3*	^{140}La(1.6781 d)	1596.210(95), 487.021(45.5), 815.772(23.28)
328.8 *4*	†36 *3*	^{183}Pt(43 s)	629.3(†100), 316.7(†53), 312.6(†28)
• 328.828 *13*	0.0368 *11*	^{147}Eu(24.1 d)	197.299(27), 121.220(22.9), 677.516(9.8)
328.83 *8*	1.12 *11*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
328.84 *5*	2.58 *12*	^{147}Pr(13.4 m)	77.9921(15), 314.675(13.2), 641.380(10.0)
328.85 *2*	0.38 *4*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
328.9 *3*	†$>7\times10^{02}$	^{158}Er(2.29 h)	71.91(†23300), 386.84(†111000), 248.58(†42000)
328.9 *2*	0.0043 *5*	^{222}Ra(38.0 s)	324.22(2.77), 472.5(0.0040), 840.2(0.0025)
328.97 *16*	2.2 *3*	^{184}Au(53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
329.0 *2*	0.18 *3*	^{137}Pr(1.28 h)	836.7(1.8), 433.9(1.28), 514.0(1.08)
• 329.0 *8*	0.014 *7*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
329.0		^{180}Os(21.5 m)	20.1(†100), 717.4, 667.0
329.058 *16*	0.123 *4*	^{90}Nb(14.60 h)	1129.224(92.7), 2318.968(82.03), 141.178(66.8)
329.1 *4*	2.8 *5*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
329.16 *10*	0.21 *3*	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
329.16 *13*	0.22	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
329.18	0.021 *10*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
329.2 *4*	4.6 *13*	^{73}Kr(27.0 s)	177.8(65.8), 62.5(19.1), 454.8(15)
329.2 *2*	†14.6 *19*	^{195}Bi(183 s)	807.6(†100), 831.7(†100), 776.2(†95)
329.3 *3*	0.24 *12*	^{162}Yb(18.87 m)	163.35(40.0), 118.70(33.6), 576.10(3.24)
• 329.3 *2*	0.0112 *9*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 329.312 *9*	0.0185 *11*	^{192}Ir(73.831 d)	205.79549(3.300), 484.5780(3.184), 374.4852(0.721)
329.33 *3*	12.2 *11*	^{118}I(8.5 m)	605.71(99), 600.71(92), 614.42(65)
329.38 *17*	0.0026 *6*	^{123}I(13.27 h)	158.97(83), 528.96(1.39), 440.02(0.428)
• 329.39 *5*	0.136 *11*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
329.4 *5*	0.015 *8*	^{138}Xe(14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
329.4 *4*	0.055 *12*	^{162}Ho(67.0 m)	185.005(28.6), 1220.0(22.5), 282.864(11.3)
329.4 *3*	5.1 *11*	^{181}Lu(3.5 m)	652.5(22.0), 205.94(16.1), 574.9(15.4)
329.433 *17*	0.125 *25*	^{152}Pm(4.1 m)	121.7824(15.7), 841.586(2.17), 961.06(1.92)
• 329.433 *17*	0.1232 *21*	^{152}Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
329.45 *5*	3.0 *3*	^{207}Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
329.48 *5*	0.160 *16*	^{194}Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
329.5 *3*	0.60 *8*	^{83}Se(22.3 m)	356.687(70), 510.17(43), 224.8(32.7)
329.5 *4*	0.18 *7*	^{139}Sm(2.57 m)	273.7(37), 306.7(28.5), 596.3(8.0)
329.5	1.82 *13*	^{150}Pr(6.19 s)	130.2(32), 722.5(7.0), 852.7(6.1)
329.5		^{238}Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
329.6 *2*	†1	^{139}I(2.29 s)	527.7(†100), 571.2(†98), 536.6(†67)
329.6 *5*	0.33 *5*	^{196}Tl(1.84 h)	426.0(84), 610.5(11.9), 635.5(9.8)
329.64 *4*	2.32 *15*	^{132}Ce(3.51 h)	182.11(77), 155.37(10.5), 216.83(4.95)
329.67 *14*	0.22 *4*	^{186}Ir(2.0 h)	137.155(27), 767.508(21.2), 630.354(18.0)
• 329.7 *10*	>0.030	^{147}Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
329.7 *1*	0.78 *5*	^{242}U(16.8 m)	67.60(9.6), 55.58(3.90), 585.0(1.92)
329.71 *23*	79.9 *26*	^{92}Tc(4.23 m)	1509.48(101), 773.04(100), 147.80(71)
329.72 *10*	0.70 *9*	^{187}Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
• 329.75 *2*	0.221 *14*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
329.8 *5*	†9 *3*	^{189}Au(28.7 m)	713.17(†100), 812.68(†63), 447.65(†55)
329.851 *20*	0.0270 *21*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 329.851 *20*	†178 *18*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
329.87 *14*	0.0032 *10*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
329.9 *1*	†1329 *61*	^{145}Gd(85 s)	386.6(†1220), 716.0(†341)
329.9 *1*	2.7 *2*	^{145}Gd(23.0 m)	1757.9(34.2), 1880.6(32.6), 1041.8(9.9)
• 329.920 *4*	0.0092 *5*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
329.920 *4*	0.196 *20*	^{154}Tb(9.4 h)	123.071(30), 247.925(22.1), 540.18(20)
329.920 *4*		^{154}Tb(21.5 h)	123.071(26), 1274.436(10.5), 2187.10(9.9)
329.920 *4*		^{154}Tb(22.7 h)	247.925(79), 346.643(69), 1419.81(46)
330.0 *5*	1.25 *13*	^{180}Lu(5.7 m)	407.94(43.0), 1199.7(24.3), 1106.00(22.7)
• 330 *7*		^{247}Cm(1.56×10^7 y)	402.6(72), 278.0(3.4), 287.4(2.0)
330.0 *5*	0.00044 *8*	^{255}Fm(20.07 h)	81.477(0.81), 58.477(0.67), 80.92(0.27)
330.06 *1*	2.7	^{227}Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
• 330.06 *1*	1.396 *20*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
330.1 *2*	0.108 *22*	^{150}Tb(3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)
330.10 *24*	2.75 *17*	^{161}Yb(4.2 m)	78.20(34), 599.88(25.9), 631.45(13.9)
• 330.13 *6*	0.6	^{210}Bi(3.04×10^6 y)	265.832(50), 304.896(28), 649.42(3.8)
330.2 *2*	8.6 *5*	^{123}Xe(2.08 h)	148.9(49), 178.1(14.9), 1093.4(2.79)
330.2 *2*	†15.1 *15*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
330.22 *22*	†2.3 *3*	^{142}Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
330.22 *17*	0.20 *4*	^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
330.24 *8*	†100 *7*	^{159}Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
330.24 *4*	1.10 *7*	^{200}Pt(12.5 h)	76.21(13), 135.90(3.24), 243.71(2.49)
330.27 *5*	0.0069 *6*	^{127}Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
330.30 *11*	0.39 *5*	^{99}Sr(0.269 s)	125.118(16.1), 536.12(14.0), 1198.12(9.2)
330.3 *4*	†2.3 *3*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
330.30 *10*	0.246 *15*	^{207}Po(5.80 h)	992.33(59.3), 742.64(28.2), 911.79(16.95)
330.32 *17*	0.11 *3*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
330.37 *10*	0.112 *9*	^{98}Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
330.4 *1*	0.32 *6*	^{142}Gd(70.2 s)	750.2(11.2), 178.90(11.20), 284.4(6.16)
330.40 *5*	0.31	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
330.40 *4*	0.46	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
330.43 *19*	0.143 *15*	^{97}Zr(16.91 h)	743.36(93), 507.64(5.03), 1147.97(2.61)
330.5 *5*	0.46 *18*	^{104}In(1.8 m)	658.0(100), 834.1(99), 878.1(29.4)
330.5 *7*	12 *5*	^{139}Eu(17.9 s)	267.3(31), 155.3(31), 190.1(25)
330.50 *10*	†11 *4*	^{159}Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
330.5 *2*	8.3 *6*	^{176}Tm(1.9 m)	189.57(44.5), 1069.3(34), 381.8(21.8)
330.5 *3*	0.013 *3*	^{195}Hg(9.9 h)	779.80(7), 61.46(6.2), 585.13(1.99)
• 330.54 *10*	0.0075 *10*	^{152}Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
330.6 *1*	0.64 *7*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
• 330.619 *21*	0.52 *4*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
330.7 *2*	†0.8 *3*	^{103}Nb(1.5 s)	102.64(†100), 641.1(†55), 538.5(†34.0)
330.70 *8*	0.0116 *6*	^{123}I(13.27 h)	158.97(83), 528.96(1.39), 440.02(0.428)
330.7 *2*	0.114 *21*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
330.76 *5*	†4.98 *19*	^{188}Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
• 330.777 *10*	0.088 *5*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
330.78 *10*	0.37 *8*	^{204}Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
330.8	6	^{133}Pr(6.5 m)	134.3(14), 74.0(10), 315.6(10)
330.85 *10*	0.67 *8*	^{105}Ru(4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
• 330.885 *10*	0.114 *5*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
330.9 *5*	†2.6 *3*	^{103}Mo(67.5 s)	83.4(†100), 423.91(†69), 45.8(†57)
330.90 *23*	0.46 *10*	^{105}In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
330.9 *5*	0.45 *8*	^{166}Lu(2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
330.9 *2*	†7 *1*	^{181}Hg(3.6 s)	147.8(†100), 42.5(†25), 1986.7(†17)
330.93 *5*	†8.9 *2*	^{144}Cs(1.01 s)	199.326(†100.0), 639.00(†21.2), 758.96(†20.6)
331.0 *5*	†13	^{99}Rb(59 ms)	90.8(†100), 125.2(†40), 1071.6(†26)
331.0 *3*	0.31 *3*	^{118}I(13.7 m)	605.71(86.0), 545.12(10.9), 600.71(10.2)
331.0 *2*	0.34 *4*	^{140}Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
331.00 *10*	0.150 *24*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
331.0 *3*	0.0063 *13*	^{251}Fm(5.30 h)	425.4(0.95), 480.4(0.392), 358.3(0.315)
331.05 *2*	78 *4*	^{130}Sb(39.5 m)	793.53(100), 839.49(100), 182.36(65)
331.06 *11*	0.12 *3*	^{184}Ta(8.7 h)	414.03(72), 252.848(43), 920.932(32.0)
331.08 *23*	0.833 *25*	^{86}Y(14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
331.1 *2*	9.7 *4*	^{109}Sn(18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
331.1 *2*	48	^{122}Cs(21.0 s)	512.0(3.8), 817.9(3.09), 843.0(1.90)
331.1 *2*	94	^{122}Cs(4.5 m)	497.1(79), 638.5(63), 560.3(14.0)
331.1 *6*	0.056 *24*	^{175}Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
331.1 *2*	†6 *1*	^{227}Rn(22.5 s)	162.14(†100), 739.2(†65), 686.2(†62)
331.12 *10*	0.00021 *6*	^{163}Er(75.0 m)	1113.5(0.0490), 436.1(0.0285), 439.94(0.0276)
331.19 *3*	79 *5*	^{201}Pb(9.33 h)	361.27(9.9), 945.96(7.4), 907.56(5.7)
331.2 *4*	2.86 *16*	^{51}Sc(12.4 s)	1437.3(52), 2144.1(31.8), 1567.5(14.9)
• 331.2 *6*	0.040 *15*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
• 331.220 *4*	0.067 *7*	^{77}Br(57.036 h)	238.996(23), 520.639(22.4), 297.215(4.16)
331.3 *3*	0.10 *3*	^{97}Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
331.355 *19*	0.232 *7*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
331.39 *9*	0.0025 *8*	^{95}Ru(1.643 h)	336.43(70.2), 1096.76(21.0), 626.77(17.8)
• 331.4 *2*	0.0016 *8*	^{71}As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
331.4 *2*	0.32 *5*	^{117}Cs(8.4 s)	204.8(15.0), 29.7(9.9), 205.6(6.8)
331.4 *4*	0.162 *18*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
331.4 *4*	†0.40 *12*	^{155}Tm(21.6 s)	226.8(†100), 531.7(†20), 88.1(†17)
331.4 *3*	†75 *4*	^{187}Pb(18.3 s)	393.4(†100), 343.5(†75), 331.4(†60)
331.4 *3*	†60 *3*	^{187}Pb(18.3 s)	393.4(†100), 331.4(†75), 343.5(†75)
331.4 *5*	†38 *6*	^{191}Hg(49 m)	252.5(†100), 196.3(†65), 224.7(†60)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
331.4 *1*	0.072 *10*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
• 331.479 *44*	0.020 *3*	^{71}As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
331.5 *2*	0.12 *4*	^{133}Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
331.5 *2*	†0.5 *2*	^{192}Bi(37 s)	853.8(†100.0), 501.8(†80), 504.3(†39)
• 331.51 *7*	4.10 *21*	^{105}Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
331.51 *7*	†<106	^{105}Ag(7.23 m)	319.14(†63000), 306.25(†12800), 442.37(†5900)
331.58 *15*	3.6 *5*	^{131}In(0.35 s)	1654.6(0.56)
331.6 *2*	1.57 *20*	^{95}Rb(377.5 ms)	352.02(49), 204.02(15.1), 680.7(14.8)
331.6 *2*	†14	^{96}Rb(0.199 s)	352.02(†700), 204.02(†200), 680.7(†121)
331.6 *9*	4.3 *11*	^{191}Hg(50.8 m)	252.5(57), 420.1(18.6), 578.6(17.6)
331.6 *2*	0.59 *8*	^{198}Tl(5.3 h)	411.8044(82), 675.8874(11), 636.4(10.1)
331.613 *9*	11.4 *6*	^{178}Lu(23.1 m)	426.383(97.0), 325.562(94.1), 213.440(81.4)
331.613 *9*	31.19 *19*	^{178}Ta(2.36 h)	426.383(97.0), 325.562(94.1), 213.440(81.4)
331.64 *16*	0.47 *20*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
331.7 *4*	0.18 *7*	^{119}Cd(2.69 m)	292.9(36.8), 343.0(16.9), 1609.7(10.9)
331.7 *4*	0.47 *4*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
331.7 *6*		^{131}Sn(56.0 s)	3267.5, 2470.5, 2039.25
331.7 *6*		^{131}Sn(58.4 s)	367.40, 285.0, 62.9
331.7 *6*	†0.8 *4*	^{131}Sn(56.0 s)	1226.03(†100), 450.03(†90), 798.50(†86)
331.7 *4*	†6.9 *8*	^{172}W(6.6 m)	38.9(†100), 423.3(†44), 89.8(†33.0)
331.7 *2*	†2.2	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
331.7 *3*	0.017 *3*	^{210}Rn(2.4 h)	458.25(1.7), 648.70(0.843), 570.95(0.840)
331.75 *10*	0.84 *9*	^{157}Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
331.8 *6*	†58 *9*	^{134}Pr(11 m)	293.5(†100), 299.0(†100), 1196.8(†100)
331.8 *6*	0.21	^{203}Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
331.88 *12*	0.114 *21*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
331.91 *10*	51 *5*	^{21}Mg(122 ms)	1384.1(10.1), 1715.9(0.65)
331.94 *14*	1.3 *4*	^{181}Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
331.98 *5*	0.009 *3*	^{183}Os(13.0 h)	381.768(89.6), 114.463(20.63), 167.844(8.81)
332		^{109}Tc(0.87 s)	194.6(†100), 128.7(†51), 96.2(†48)
332.0 *4*	0.024 *11*	^{113}Sb(6.67 m)	497.96(80), 332.41(14.8), 88.25(2.7)
332 *1*		^{122}Ba(1.95 m)	550.7, 388.7, 231.0
332 *1*	0.17 *8*	^{167}Ho(3.1 h)	346.547(56), 321.336(23.5), 237.873(5.0)
332.0 *4*	5.5 *11*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
332.00 *5*	0.153 *17*	^{191}Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
332.0 *2*	0.015 *6*	^{230}Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
• 332.0 *2*	0.055 *16*	^{230}Pa(17.4 d)	951.95(1.65), 918.48(8.2), 454.95(6.27)
332.0 *4*	<0.0033	^{255}Fm(20.07 h)	81.477(0.81), 58.477(0.67), 80.92(0.27)
332.04 *7*	0.35 *3*	^{93}Sr(7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
332.1 *1*	0.035 *9*	^{119}I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
• 332.10 *5*	1.41 *5*	^{125}Sn(9.64 d)	1067.10(10), 1089.15(4.59), 822.48(4.28)
332.10 *5*	97.2 *19*	^{125}Sn(9.52 m)	1404.0(0.70), 589.6(0.20), 1483.9(0.18)
332.1 *4*	0.05 *5*	^{142}La(91.1 m)	641.285(47), 2397.8(13.3), 2542.7(10.00)
332.1 *2*	†2.0 *6*	^{229}Ac(62.7 m)	164.522(†100), 569.1(†91), 261.92(†39)
• 332.16 *7*	0.0087 *6*	^{151}Gd(124 d)	153.56(6.20), 243.28(5.60), 174.70(2.96)
332.27 *5*	1.75 *12*	^{122}In(10.3 s)	1140.55(98), 1001.58(50.7), 1190.58(20.5)
332.30 *20*	0.13 *4*	^{165}Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
332.3 *2*	†7 *1*	^{227}Rn(22.5 s)	162.14(†100), 739.2(†65), 686.2(†62)
332.36 *8*	0.130 *18*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
• 332.36 *4*	1.195 *20*	^{237}U(6.75 d)	59.537(34.5), 208.00(21.14), 26.345(2.43)
• 332.36 *4*	†0.490×10^6 *5*	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^9), 33.195(†6000×10^8)
332.373 *4*	0.37 *5*	^{228}Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
332.373 *4*	1.64 *15*	^{228}Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 332.373 *4*	4.9×10^{-5} *3*	^{232}U(68.9 y)	57.762(0.200), 129.065(0.0686), 270.243(0.00316)
332.38 *5*	6.44 *11*	^{146}Cs(0.343 s)	181.02(57.0), 557.76(9.18), 738.97(3.02)
332.4 *3*	0.41 *4*	^{188}Hg(3.25 m)	66.7(63), 190.1(4.40), 82.7(2.6)
332.41 *5*	14.8 *6*	^{113}Sb(6.67 m)	497.96(80), 88.25(2.7), 940.63(2.62)
332.47 *20*	1.3 *3*	^{80}Zn(0.545 s)	712.53(45.1), 715.40(33.8), 964.93(15.6)
• 332.5 *2*	†0.037 *7*	^{101}Rh(4.34 d)	306.85(†115), 545.06(†6.1), 127.23(†0.85)
332.5		^{129}Sb(4.40 h)	812.8(43), 914.6(20.0), 544.7(17.9)
332.50 *10*	0.150 *24*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
332.5 *5*	†3.8 *12*	^{189}Au(28.7 m)	713.17(†100), 812.68(†63), 447.65(†55)
332.6 *4*	0.99 *13*	^{69}Se(27.4 s)	97.98(66), 66.4(24.8), 691.8(16.6)
332.6 *2*	0.044 *9*	^{94}Rb(2.702 s)	1309.1(87), 836.9(87.10), 1577.5(31.8)
332.6 *2*	0.00014	^{104}Rh(4.34 m)	555.796(0.13), 767.72(0.0065), 1237.2(0.0042)
• 332.62 *5*	0.072 *7*	^{188}Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
332.66 *10*	0.151 *16*	^{204}Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
332.7 *3*	0.75 *11*	^{113}Rh(2.72 s)	189.7(17.0), 409.3(15.9), 219.6(3.88)
332.7 *1*	1.50 *15*	^{148}Ce(56 s)	269.519(17.0), 291.724(16.7), 121.169(13.2)
• 332.70 *10*	0.09	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 332.70 *10*	0.07	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
332.78 *2*	0.77 *4*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
332.81 *11*	0.26 *5*	^{187}Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
• 332.842 *2*	0.000494 *3*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
• 332.90 *3*	0.090 *4*	^{82}Br(35.30 h)	776.517(83.5), 554.348(70.8), 619.106(43.4)
332.9 *5*	56 *8*	^{114}Rh(1.85 s)	361.9(20), 694.4(13), 783.0(5.6)
332.9 *5*	87 *5*	^{114}Rh(1.85 s)	519.8(48.4), 618.7(31), 647.8(28)
• 332.9 *1*	0.017 *7*	^{189}Re(24.3 h)	216.663(5.50), 219.395(4.54), 245.09(3.5)
• 332.91 *13*	0.0101 *22*	^{148}Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
332.91 *5*	2.56 *16*	^{228}Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
332.944 *13*	6.15 *30*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
332.983 *24*	4.35 *19*	^{196}Ir(52 s)	355.684(19), 779.630(10.4), 446.613(4.5)
• 332.983 *24*	22.9 *5*	^{196}Au(6.183 d)	355.684(87), 521.175(0.389), 1091.331(0.149)
333.0 *4*	0.22 *4*	^{61}Fe(5.98 m)	1205.07(44), 1027.42(42.7), 297.90(22.2)
333.0 *3*	0.120 *24*	^{141}Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
333.0	†>0.26	^{196}Ir(1.40 h)	393.346(†105.2), 521.175(†104), 447.1(†102.1)
• 333.0 *10*		^{247}Cm(1.56×10^{7} y)	402.6(72), 278.0(3.4), 287.4(2.0)
333.1 *1*	0.598 *9*	^{113}Ag(5.37 h)	298.58(10), 258.8(1.64), 316.3(1.343)
333.1 *6*	0.18 *7*	^{117}Ag(72.8 s)	135.4(23), 337.7(10.3), 157.1(7.9)
333.1 *1*		^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
333.1 *2*	0.30 *3*	^{230}Fr(19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)
333.1 *3*	0.034 *17*	^{245}Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
333.17 *26*	0.19 *4*	^{151}Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
333.20 *26*	1.15 *18*	^{159}Sm(11.37 s)	189.79(46), 861.97(18.2), 254.43(9.8)
333.2	†30	^{182}Tl(3.1 s)	351.8(†100), 261.8(†60), 413.6(†20)
• 333.2 *3*	0.0028 *16*	^{193}Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
333.2 *5*	0.08 *3*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
333.2 *2*	†2	^{256}Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
333.25 *2*	0.58 *8*	^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
333.28 *20*	0.6 *3*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
333.3 *2*	†100	^{144}Gd(4.5 m)	2432.6(†94.8), 629.5(†32.4), 347.1(†27.9)
• 333.37 *2*	14.6 *4*	^{249}Cf(351 y)	388.16(66), 252.80(2.50), 266.62(0.69)
333.4 *5*	0.045 *19*	^{92}Kr(1.840 s)	142.307(64), 1218.6(60), 812.6(14.6)
333.4 *4*	0.44 *15*	^{139}Sm(2.57 m)	273.7(37), 306.7(28.5), 596.3(8.0)
• 333.4 *4*	0.000058 *16*	^{186}Re(90.64 h)	137.155(8.22), 767.508(0.0255), 630.354(0.0230)
333.5	0.23 *11*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
333.5 *1*	0.11 *4*	^{223}Ac(2.10 m)	98.58(0.891), 191.3(0.58), 83.55(0.57)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
333.5 *5*	†8.8 *13*	^{244}Bk(4.35 h)	891.5(†100), 217.6(†88), 921.5(†19)
333.6 *2*	0.038 *3*	^{135}I(6.57 h)	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
333.61 *12*	0.07 *4*	^{214}Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
333.66 *6*	0.78 *4*	^{101}Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
333.67 *3*	2.10 *12*	^{208}At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
333.7 *2*	0.23 *5*	^{123}Cs(5.94 m)	97.3(23), 596.7(10.1), 83.3(4.1)
333.7	†100 *13*	^{189}Tl(2.3 m)	942.2(†69), 451.0(†49), 522.3(†27)
333.7 *1*	0.82 *4*	^{236}Pa(9.1 m)	642.35(37.0), 687.59(9.9), 1762.7(6.0)
333.8 *3*	0.63 *9*	^{104}Tc(18.3 m)	358.0(89), 530.5(15.6), 535.1(14.7)
333.8 *2*	†6.8 *13*	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 234.0(†40.0)
333.8 *1*	†1.0 *5*	^{172}Ir(2.0 s)	227.8(†100.0), 378.4(†62.0), 448.4(†40.5)
333.86 *16*	0.089 *15*	^{138}Cs(33.41 m)	1435.795(76.3), 462.796(30.7), 1009.78(29.8)
333.90 *19*	0.7 *4*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
333.9 *1*	0.090 *11*	^{107}Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
333.9 *2*	0.44 *3*	^{129}Ba(2.23 h)	6.545(23.7), 214.30(13.4), 220.83(8.54)
333.93 *4*	1.76 *9*	^{199}Tl(7.42 h)	455.46(12.4), 208.20597(12.3), 247.26(9.3)
• 333.965 *13*	0.00179 *14*	^{169}Yb(32.026 d)	63.12077(44.2), 197.95788(35.8), 177.21402(22.16)
333.971 *12*	68	^{150}Pm(2.68 h)	1324.51(17.5), 1165.739(15.8), 831.92(11.9)
333.971 *12*	4.0 *3*	^{150}Eu(12.8 h)	406.52(2.81), 1165.739(0.257), 921.17(0.210)
• 333.971 *12*	96	^{150}Eu(35.8 y)	439.401(80.4), 584.274(52.6), 737.455(9.60)
333.99 *6*	19	^{136}Te(17.5 s)	2077.9(22), 578.75(18), 2569.4(15)
333.99 *6*		^{137}Te(2.49 s)	738.2, 630.7, 578.75
• 333.99 *5*	0.100 *6*	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)
334.0 *3*	35	^{87}Se(5.85 s)	242.5(37), 573.2(19), 468.0(18)
334.0 *10*		^{151}Ho(35.2 s)	527.4(63), 775.53(9.2), 209.5(5.69)
334		^{217}At(32.3 ms)	258.5(0.056), 593.1(0.0120), 455
334.01 *8*	†1.06 *8*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
334.02 *17*	0.11 *3*	^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
334.03 *5*	0.80 *8*	^{123}Cd(1.82 s)	1165.86(25.7), 1027.45(22.6), 2102.81(12.5)
334.05 *5*	1.3 *4*	^{123}Ag(0.309 s)	263.87(35.9), 409.79(13.2), 591.30(8.2)
334.06 *6*	1.09 *15*	^{55}V(6.54 s)	517.71(73), 880.70(18.1), 921.10(4.6)
334.061 *10*	0.31 *3*	^{162}Ho(67.0 m)	185.005(28.6), 1220.0(22.5), 282.864(11.3)
334.1 *1*	13.5 *3*	^{145}Ho(2.4 s)	339.8(15), 312.9(14.3), 401.8(12.8)
334.1 *4*	0.056 *21*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
334.2 *6*	†73 *10*	^{134}Pr(11 m)	293.5(†100), 299.0(†100), 1196.8(†100)
334.245 *5*	3.32 *11*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
• 334.263 *15*	>0.006	^{173}Lu(1.37 y)	272.105(21.2), 78.63(11.87), 100.724(5.24)
• 334.27 *1*	12.49 *15*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
334.27 *4*		^{133}Sb(2.5 m)	1096.22(43.0), 817.8(18.5), 2755(12.5)
334.3 *2*	0.050 *10*	^{210}At(8.1 h)	1181.39(99.3), 245.31(79), 1483.39(46.5)
• 334.309 *2*	2.07 *3*	^{239}Np(2.3565 d)	106.125(27.2), 277.599(14.38), 228.183(10.76)
334.309 *2*	0.0042 *5*	^{239}Am(11.9 h)	277.599(15.0), 228.183(11.3), 209.753(3.50)
• 334.309 *2*	0.0239 *20*	^{243}Cm(29.1 y)	277.599(14.0), 228.183(10.6), 209.753(3.29)
• 334.321 *11*	0.109 *4*	^{173}Lu(1.37 y)	272.105(21.2), 78.63(11.87), 100.724(5.24)
• 334.34 *10*	0.0149 *21*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
334.381 *20*	0.0099 *9*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 334.381 *20*	†69 *7*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
334.4 *1*	9.0 *13*	^{60}Zn(2.38 m)	670.3(64), 61.4(26), 273.4(10.9)
334.4 *2*	0.38	^{145}Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)
334.441 *10*	0.83 *6*	^{157}Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
• 334.5 *5*	0.07 *4*	^{101}Rh(3.3 y)	127.23(73), 197.6(70.8), 324.8(13.4)
334.5 *4*	3.7 *13*	^{181}Lu(3.5 m)	652.5(22.0), 205.94(16.1), 574.9(15.4)
334.5	>0.026	^{197}Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
334.52 *4*	0.40 *3*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
334.6 *1*	94	^{154}Ho(3.10 m)	412.4(79), 477.1(55), 406.9(19.0)
334.6 *1*	84	^{154}Ho(11.76 m)	412.4(15.0), 873.4(12.5), 569(11.1)
334.6 *3*	0.20 *8*	^{181}Os(105 m)	238.75(44), 826.77(20), 118.03(12.9)
334.65 *14*	0.053 *18*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
334.69 *15*	†16 *3*	^{187}Hg(1.9 m)	233.38(†100), 376.34(†38), 240.26(†33)
334.7 *5*	0.47	^{101}Cd(1.2 m)	98.0(47), 1722.5(11), 1259.3(8)
334.7 *2*	1.6 *4*	^{103}Zr(1.3 s)	248(100), 164.05(94), 126.30(84)
334.7 *3*	0.06 *4*	^{193}Au(17.65 h)	186.17(10.1), 255.57(6.7), 268.22(3.9)
334.71 *3*	0.145 *7*	^{88}Kr(2.84 h)	2392.11(34.6), 196.301(25.98), 2195.842(13.18)
334.73 *10*	†12.3 *8*	^{142}Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
334.78 *14*	0.47 *5*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
• 334.8 *2*	0.27 *1*	^{59}Fe(44.503 d)	1099.251(56.5), 1291.596(43.2), 192.349(3.08)
334.80 *15*	0.28 *7*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
334.83 *2*	0.36 *5*	^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
334.9 *5*	0.033 *17*	^{214}Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
334.9 *2*	0.028 *3*	^{247}Cf(3.11 h)	294.1(0.98), 447.8(0.55), 417.9(0.34)
334.95 *10*	†19 *2*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
334.963 *19*	0.122 *4*	^{155}Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
335.0 *2*	0.6 *2*	^{104}Mo(60 s)	68.8(55), 69.7(17.8), 36.3(14)
335	2	^{125}Cs(45 m)	526(24), 111.8(9), 412(5)
335.0 *1*	1.466 *12*	^{142}Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
335 *1*	0.22	^{142}Gd(70.2 s)	750.2(11.2), 178.90(11.20), 284.4(6.16)
335	†63	^{189}Tl(1.4 m)	317.5(†100), 215.6(†90), 228.4(†50)
335.02 *8*	0.29 *4*	^{162}Yb(18.87 m)	163.35(40.0), 118.70(33.6), 576.10(3.24)
335.03 *8*	0.18 *4*	^{205}Po(1.66 h)	872.39(37), 1001.21(28.8), 849.83(25.5)
335.04 *5*	1.00 *4*	^{224}Fr(3.30 m)	215.985(33.1), 131.613(16.3), 836.90(9.8)
335.10 *3*	16.8 *15*	^{158}Tm(3.98 m)	192.13(62), 1149.83(7.6), 628.03(6.7)
335.1 *1*	1.2 *5*	^{208}Fr(59.1 s)	635.8(10), 778.5(6.8), 325.3(5.2)
• 335.1 *5*	0.000149 *15*	^{253}Es(20.47 d)	41.79(0.050), 389.11(0.0264), 387.1(0.00810)
335.11 *10*	†26.1 *11*	^{193}Tl(21.6 m)	324.37(†100), 1044.7(†59), 676.10(†48)
335.2 *4*	0.58 *5*	^{172}Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
335.219 *12*	0.591 *15*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
335.23 *3*	3.53 *25*	^{204}At(9.2 m)	684.341(95), 516.318(90), 426.253(67.5)
335.258 *20*	9.53 *19*	^{98}Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
335.28 *9*	0.107 *10*	^{138}Xe(14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
• 335.38 *3*	0.095 *2*	^{237}U(6.75 d)	59.537(34.5), 208.00(21.14), 26.345(2.43)
• 335.38 *3*	†0.960×10^6 *15*	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^9), 33.195(†6000×10^8)
335.4 *1*	1.30 *13*	^{107}Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
335.4 *7*	0.048 *24*	^{141}Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
335.4 *6*	†0.8	^{179}Os(6.5 m)	65.39(†100), 218.6(†17), 32.3(†17)
335.4 *5*	†2.8 *3*	^{182}Ir(15 m)	273.23(†100), 126.79(†77), 236.3(†21.0)
335.4 *2*	†13.5 *20*	^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
335.4 *2*		^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
335.4 *4*	0.12 *6*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 335.44 *7*	0.18 *3*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
335.46 *8*	0.27 *3*	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
335.5 *2*	0.050	^{140}Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
335.5 *5*	†>1.5	^{152}Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
335.55 *10*	0.22 *5*	^{202}Pb(3.53 h)	490.47(9.1), 459.72(8.6), 389.94(6.2)
335.59 *11*	†28 *4*	^{181}Pt(51 s)	289.29(†100), 111.97(†100), 230.15(†92)
335.6 *2*	0.22 *4*	^{140}Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
• 335.69 *11*	0.0102 *14*	^{156}Eu(15.19 d)	811.79(9.70), 88.9667(8.4), 1230.68(7.98)
335.7 *2*	0.011 *3*	^{121}I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
335.700 *5*	3.12 *18*	^{147}Pr(13.4 m)	77.9921(15), 314.675(13.2), 641.380(10.0)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 335.7 *1*	0.036 *14*	^{150}Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
335.76 *10*	0.47 *7*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
335.77 *14*	0.28 *5*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
335.8	0.27	^{96}Y(9.6 s)	1750.42(89), 915.0(60), 617.1(56)
• 335.8 *1*	0.078 *10*	^{124}Sb(60.20 d)	602.730(97.8), 1690.980(47.3), 722.786(10.76)
• 335.8 *1*	0.018 *9*	^{124}I(4.18 d)	602.730(60), 1690.980(10.41), 722.786(9.98)
335.8 *2*	0.26 *6*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
335.9 *5*	5.3 *13*	^{76}Ga(32.6 s)	562.93(66), 545.51(26.0), 1108.41(15.8)
335.9 *2*	1.04 *14*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
335.98 *5*	58.9 *21*	^{81}Ge(7.6 s)	792.94(34), 1495.53(19.9), 93.10(13)
335.98 *5*	12.8 *23*	^{81}Ge(7.6 s)	93.10(26), 197.30(12.3), 737.74(10.5)
336 *1*	2.65 *17*	^{30}Na(48 ms)	1040(10.6), 1638.0(0.80), 2211.3(0.50)
336.0 *1*	10.4 *4*	^{73}Br(3.4 m)	64.9(37.0), 699.8(9.1), 125.6(7.55)
336. *3*	2.3 *8*	^{114}Rh(1.85 s)	332.9(87), 519.8(48.4), 618.7(31)
336.0 *1*	1.7 *2*	^{129}Sn(2.23 m)	645.13(100), 80.5(6.6), 913.2(5.0)
336.0	0.41	^{134}Nd(8.5 m)	163.2(58), 288.9(13), 216.8(12)
336.0 *3*	0.47 *10*	^{136}Nd(50.65 m)	108.90(32), 40.2(18.9), 574.8(10.4)
336 *1*	0.06	^{142}Gd(70.2 s)	750.2(11.2), 178.90(11.20), 284.4(6.16)
336.02 *3*	0.46 *5*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
336.1 *5*	0.98 *20*	^{96}Pd(122 s)	124.70(65), 762.3(50.0), 499.7(17.9)
336.1 *1*	0.0107 *13*	^{127}Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
336.1 *1*	†1.56×10^{3} *22*	^{158}Er(2.29 h)	71.91(†23300), 386.84(†111000), 248.58(†42000)
• 336.113 *12*	0.000112 *2*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
336.2 *1*	17.1 *20*	^{141}Gd(14 s)	215.8(54), 525.9(17), 120.6(9.3)
336.2 *2*	0.231 *22*	^{230}Fr(19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)
• 336.240 *12*	45.9 *1*	^{115}Cd(53.46 h)	527.900(27.45), 492.3(8.03), 260.890(1.94)
• 336.240 *12*	0.00494 *16*	^{115}Cd(44.6 d)	933.8(2.000), 1290.580(0.890), 484.470(0.290)
336.3 *3*	0.06	^{113}Pd(93 s)	95.74(3.3), 643.7(3.0), 739.63(2.4)
336.3 *2*	†50 *3*	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
336.34 *9*	0.058 *12*	^{204}Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
• 336.38 *15*	0.00025 *3*	^{238}Np(2.117 d)	984.45(27.8), 1028.54(20.3), 1025.87(9.6)
• 336.38 *15*	6.8×10^{-7} *24*	^{242}Cm(162.8 d)	44.08(0.0325), 101.90(0.0025), 157.42(0.0014)
336.4		^{131}La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
336.43 *3*	70.2 *5*	^{95}Ru(1.643 h)	1096.76(21.0), 626.77(17.8), 1178.66(5.16)
336.45 *24*	0.60 *6*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
• 336.472 *2*	0.0326 *25*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
336.5 *4*	0.08 *3*	^{198}Tl(5.3 h)	411.8044(82), 675.8874(11), 636.4(10.1)
336.5 *1*	0.141 *14*	^{199}Tl(7.42 h)	455.46(12.4), 208.20597(12.3), 247.26(9.3)
336.55 *12*	0.98 *11*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
336.59 *22*	†2.4 *5*	^{187}Hg(1.9 m)	233.38(†100), 376.34(†38), 240.26(†33)
• 336.61 *2*	0.00054 *8*	^{233}U(1.592×10^{5} y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
• 336.620 *4*	0.00909 *14*	^{169}Yb(32.026 d)	63.12077(44.2), 197.95788(35.8), 177.21402(22.16)
336.63 *4*	0.107 *3*	^{72}Ga(14.10 h)	834.01(96), 2201.69(25.9), 629.95(24.8)
336.7 *2*	†32 *3*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
336.7 *2*	†40 *3*	^{202}Po(44.7 m)	688.6(†1000), 316.0(†286), 165.7(†174)
336.8 *4*	0.138 *13*	^{207}At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
336.9 *1*	1.13 *23*	^{117}Cs(8.4 s)	204.8(15.0), 29.7(9.9), 205.6(6.8)
336.98 *17*	0.083 *17*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
• 337.0 *3*	†0.045 *8*	^{101}Rh(4.34 d)	306.85(†115), 545.06(†6.1), 127.23(†0.85)
337.1 *5*	†2.1 *5*	^{142}Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
337.12 *16*	0.046 *13*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
337.2 *3*	0.23 *10*	^{121}Cs(155 s)	153.9(15.2), 239.6(7.7), 427.1(3.63)
337.2 *3*	0.18 *8*	^{121}Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
337.29 *7*	†7.04 *19*	^{196}Bi(240 s)	1049.21(†21.1), 371.93(†20.8), 689.00(†19.2)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
337.3 *1*	0.65 *7*	^{107}Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
337.3 *5*	0.006	^{247}Cf(3.11 h)	294.1(0.98), 447.8(0.55), 417.9(0.34)
• 337.3 *5*	5.4×10^{-5} *5*	^{253}Es(20.47 d)	41.79(0.050), 389.11(0.0264), 387.1(0.00810)
337.32 *20*	0.02	^{113}Pd(93 s)	95.74(3.3), 643.7(3.0), 739.63(2.4)
• 337.32 *3*	0.338 *4*	^{160}Tb(72.3 d)	879.383(30.01), 298.580(25.51), 966.171(25.21)
337.32 *3*	†0.32 *14*	^{160}Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
337.32 *3*	0.15 *6*	^{160}Ho(25.6 m)	728.18(46.9), 879.383(26.6), 962.317(25.6)
337.34 *10*	0.62 *12*	^{79}Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
337.4 *6*	0.42 *18*	^{104}In(1.8 m)	658.0(100), 834.1(99), 878.1(29.4)
337.4 *3*	100	^{118}Cs(14 s)	472.8(37.4), 586.6(15.4), 590.6(11.0)
337.45 *4*	14.5 *4*	^{209}Rn(28.5 m)	408.32(50.3), 745.78(22.8), 689.26(9.7)
337.50 *15*	0.025 *8*	^{90}Nb(14.60 h)	1129.224(92.7), 2318.968(82.03), 141.178(66.8)
337.50 *20*	1.13 *19*	^{91}Tc(3.14 m)	2450.90(13.5), 1639.90(9.2), 1605.20(7.77)
337.5 *3*	†27.9 *24*	^{113}Ru(0.80 s)	263.2(†100), 211.7(†31.0), 657.9(†24.0)
337.5 *1*		^{137}Sm(45 s)	380.5(†100), 163.7(†85), 408.3(†40)
337.50 *3*	41	^{166}Lu(2.65 m)	228.12(77.3), 367.95(31.4), 102.38(25.2)
337.51 *18*	0.085 *14*	^{162}Tm(21.70 m)	102.00(17.5), 798.68(8.4), 227.52(7)
337.51 *18*	1.6 *3*	^{162}Tm(24.3 s)	811.52(6.5), 798.68(5.2), 227.52(5)
337.51 *20*	0.0124 *16*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
337.54 *20*	0.033 *11*	^{137}Pr(1.28 h)	836.7(1.8), 433.9(1.28), 514.0(1.08)
337.6 *3*	0.55 *7*	^{119}Cd(2.69 m)	292.9(36.8), 343.0(16.9), 1609.7(10.9)
337.6 *3*	0.097 *12*	^{119}Cd(2.20 m)	1025.0(24.8), 2021.3(22.6), 720.7(17.9)
337.6 *4*	0.13 *9*	^{207}Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
337.63 *6*	0.232 *5*	^{77}Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
337.7 *1*	9.3 *14*	^{117}Ag(5.34 s)	135.4(48), 386.8(39.9), 298.1(21.1)
337.7 *1*	10.3 *6*	^{117}Ag(72.8 s)	135.4(23), 157.1(7.9), 426.2(6.9)
337.7 *2*	0.310 *23*	^{142}Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
• 337.7 *5*	0.0010 *8*	^{193}Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
337.7 *5*	0.17	^{203}Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
337.7 *10*	0.0086 *22*	^{219}Rn(3.96 s)	271.23(10.8), 401.81(6.37), 130.59(0.119)
• 337.7 *2*	0.0089 *5*	^{237}U(6.75 d)	59.537(34.5), 208.00(21.14), 26.345(2.43)
• 337.7 *2*	$\dagger4.3\times10^{4}$ *3*	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^{9}), 33.195(†6000×10^{8})
337.713 *5*	0.181 *19*	^{179}Lu(4.59 h)	214.335(11.3), 214.930(0.46), 123.3790(0.45)
337.76 *20*	†0.60 *5*	^{184}Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
337.8 *1*	†1.28 *12*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
337.80 *10*	0.50 *4*	^{151}Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
• 337.8 *2*	0.00016 *8*	^{193}Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
• 337.85 *9*	0.046 *7*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
337.9	0.044	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
337.9 *2*	0.31 *10*	^{154}Tb(9.4 h)	123.071(30), 247.925(22.1), 540.18(20)
337.9 *2*	1.2 *4*	^{154}Tb(22.7 h)	247.925(79), 346.643(69), 1419.81(46)
338.0 *4*	0.0046 *11*	^{75}Ge(82.78 m)	264.6584(11), 198.6031(1.19), 468.8(0.223)
338.0 *2*	†14	^{138}Eu(12.1 s)	346.6(†100), 544.2(†55), 685.4(†41)
338.05 *3*	8.6 *6*	^{66}Ge(2.26 h)	43.89(28.7), 381.85(28), 272.97(10.4)
338.07 *2*	1.68 *10*	^{161}Gd(3.66 m)	360.94(0.59), 314.92(22.7), 102.315(13.9)
338.1 *2*		^{146}Dy(29 s)	2156.8, 1915.7, 1876.7
338.1 *8*	$\dagger1.12\times10^{3}$ *23*	^{234}Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
• 338.17 *10*	0.032 *5*	^{195}Hg(41.6 h)	261.75(30.9), 560.27(7), 387.87(2.15)
338.20 *10*	0.34 *3*	^{89}Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
338.2 *1*	0.48 *6*	^{101}Zr(2.1 s)	119.3(10.8), 205.6(6.0), 912.2(3.48)
338.2 *2*	0.18 *4*	^{150}Tb(3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)
338.22	0.268 *12*	^{133}Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
338.28 *8*	0.134 *9*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
• 338.281 *10*	2.79 *6*	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 338.3 *2*	0.0009 *4*	^{143}Ce(33.039 h)	293.266(42.80), 57.356(11.7), 664.571(5.69)
338.3 *3*	0.144 *22*	^{181}Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
338.322 *2*	11.3 *3*	^{228}Ac(6.15 h)	911.205(26.6), 968.971(16.2), 964.770(5.11)
338.322 *2*	5.3 *3*	^{228}Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
• 338.322 *2*	3.70×10^{-5} *13*	^{232}U(68.9 y)	57.762(0.200), 129.065(0.0686), 270.243(0.00316)
• 338.37 *3*	0.053 *3*	^{145}Eu(5.93 d)	893.73(66), 653.512(15.0), 1658.53(14.9)
338.370 *18*	0.085 *9*	^{183}Os(13.0 h)	381.768(89.6), 114.463(20.63), 167.844(8.81)
338.37 *15*	0.42 *9*	^{204}At(9.2 m)	684.341(95), 516.318(90), 426.253(67.5)
338.4 *3*	1.2 *3*	^{97}Rh(46.2 m)	189.21(49), 2245.6(14), 421.55(12.7)
338.4 *7*	0.209 *22*	^{199}Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
338.44 *20*	7.9 *10*	^{103}Zr(1.3 s)	248(100), 164.05(94), 126.30(84)
• 338.44 *3*	19.2 *4*	^{206}Po(8.8 d)	1032.26(32.9), 511.36(24.1), 286.410(23.8)
338.5 *3*	†0.2 *2*	^{101}Nb(7.1 s)	276.10(†100), 157.466(†32), 13.5(†32)
• 338.50 *9*	0.0016 *3*	^{151}Gd(124 d)	153.56(6.20), 243.28(5.60), 174.70(2.96)
338.5 *6*	>0.010	^{214}Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
338.545 *13*	4.5 *5*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
338.58 *6*	2.9 *5*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
338.6 *3*	3.7 *3*	^{158}Sm(5.30 m)	189.4(15.2), 363.6(12.4), 324.5(10.6)
338.629 *30*	0.80 *7*	^{159}Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
338.66 *4*	0.668 *16*	^{77}Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
• 338.791 *11*	0.026 *9*	^{200}Tl(26.1 h)	367.943(87), 1205.717(29.9), 579.298(13.8)
338.8 *1*	†100 *10*	^{151}Yb(1.6 s)	1050.2(†100), 1245.6(†100), 624.8(†100)
338.8 *6*		^{173}Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
• 338.8 *2*	55 *3*	^{194}Ir(171 d)	482.833(97), 328.455(93), 600.5(62)
338.86 *7*	0.622 *11*	^{139}Xe(39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
• 338.9 *5*	0.028 *16*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 338.9 *5*	7.0×10^{-6} *3*	^{233}U(1.592×10^{5} y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
338.9 *3*	0.110 *22*	^{230}Fr(19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)
338.95 *7*	0.060 *6*	^{88}Rb(17.78 m)	1836.063(21.40), 898.042(14.04), 2677.892(1.96)
338.98 *15*	1.2 *6*	^{166}Hf(6.77 m)	78.76(41), 341.82(4.7), 407.91(4.5)
339 *1*		^{77}Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
339.0 *5*	0.52 *8*	^{127}Cd(0.43 s)	1235.07(8.3), 376.28(7.5), 523.60(5.15)
339.0 *3*	†4.5 *10*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
339.0 *9*	0.115 *22*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
339.03 *5*	0.98 *6*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
• 339.06 *3*	5.6 *4*	^{182}Re(64.0 h)	229.3220(26), 67.75001(22.2), 1121.3007(22.0)
339.1 *4*	>0.19	^{113}Rh(2.72 s)	189.7(17.0), 409.3(15.9), 219.6(3.88)
339.1 *2*	0.22 *5*	^{129}La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
339.1	0.025 *8*	^{135}Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
339.1 *3*	0.178 *22*	^{207}At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
339.2 *2*	†44 *6*	^{180}Yb(2.4 m)	172.9(†100), 375.0(†87), 419.8(†56)
339.2 *5*	0.14	^{185}Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
339.2 *5*	0.16	^{203}Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
339.24 *24*	0.50 *25*	^{186}Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
• 339.25 *20*	0.0109 *16*	^{205}Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
339.3 *2*	0.017 *9*	^{157}Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
339.3		^{182}Hg(10.83 s)	129.3(†100), 217.7(†75), 413.5(†53)
339.32 *21*	†5	^{197}Ir(5.8 m)	469.72(†100), 430.56(†61), 815.92(†45)
339.33 *29*	0.21 *3*	^{174}Ta(1.05 h)	206.50(58), 91.00(16.0), 1205.92(4.9)
339.35 *4*	0.041 *4*	^{133}La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
339.40 *20*	0.014 *5*	^{105}Ru(4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
339.4 *1*	0.638 *10*	^{113}Ag(5.37 h)	298.58(10), 258.8(1.64), 316.3(1.343)
339.4 *2*	0.26 *5*	^{136}I(46.9 s)	1313.02(100), 381.359(100), 197.316(78)
339.4 *4*	0.0066 *25*	^{139}Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
339.4	†>1.5	^{164}Tm(2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)
339.411 *16*	7.97 *9*	^{59}Cu(81.5 s)	1301.46(14.78), 877.97(11.40), 465.02(5.87)
339.42 *4*	0.19 *4*	^{184}Ta(8.7 h)	414.03(72), 252.848(43), 920.932(32.0)
• 339.45 *20*	0.0031 *5*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
339.5 *4*	0.09 *5*	^{142}La(91.1 m)	641.285(47), 2397.8(13.3), 2542.7(10.00)
339.50 *6*	0.070 *5*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
339.54 *18*	0.171 *17*	^{57}Mn(87.2 s)	122.0614(13.9), 14.41300(10.56), 692.03(5.50)
• 339.54 *18*	0.0139 *3*	^{57}Co(271.79 d)	122.0614(85.60), 136.4743(10.68), 14.41300(9.16)
339.54 *5*	†213 *44*	^{105}Ag(7.23 m)	319.14(†63000), 306.25(†12800), 442.37(†5900)
339.6	0.039	^{148}Dy(3.1 m)	620.24(96), 1247.2(1.4), 178.3(0.5)
339.6 *3*	†5.3 *14*	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 234.0(†40.0)
339.61 *15*	†0.95 *19*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
339.65 *6*	5.6 *5*	^{182}Hf(61.5 m)	942.80(18.8), 799.64(9.4), 114.3152(6.2)
339.67 *20*	0.070 *23*	^{165}Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
339.68 *20*	0.70	^{154}Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
339.7 *2*	0.9 *2*	^{129}Sn(2.23 m)	645.13(100), 80.5(6.6), 913.2(5.0)
339.7 *6*	†3.7	^{177}Os(2.8 m)	84.7(†100), 125.4(†63), 195.8(†61)
339.7 *10*	0.14 *3*	^{201}Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
• 339.74 *3*	0.161 *6*	^{166}Ho(1.20×10^3 y)	184.410(72.6), 810.276(58.08), 711.683(55.32)
339.76 *9*	3.4 *4*	^{174}W(31 m)	35.42(14.1), 428.83(12.7), 328.68(9.5)
339.8 *4*	0.071 *17*	^{84}Br(31.80 m)	881.610(42), 1897.761(14.7), 3927.5(6.8)
339.8 *1*	1.8	^{140}Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
339.8 *1*	0.10	^{140}Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
339.8 *1*	15	^{145}Ho(2.4 s)	312.9(14.3), 334.1(13.5), 401.8(12.8)
• 339.8 *10*		^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
• 339.85 *6*		^{206}Bi(6.243 d)	803.10(99), 881.01(66.2), 516.18(40.7)
339.92 *15*	0.058 *7*	^{81}Rb(4.576 h)	190.38(64.0), 446.15(23.2), 510.31(5.3)
339.94 *30*	0.110 *20*	^{124}In(3.17 s)	1131.64(68), 3214.15(21.5), 997.79(21.1)
339.94 *30*	0.70 *10*	^{124}In(2.4 s)	1131.64(100), 969.94(52), 1072.85(47)
339.95 *10*	0.00333 *12*	^{163}Er(75.0 m)	1113.5(0.0490), 436.1(0.0285), 439.94(0.0276)
340.0 *3*	0.58 *6*	^{65}Co(1.20 s)	1141.7(4.0), 310.6(2.90), 963.7(2.6)
340		^{126}La(54 s)	625, 460, 256.10
340.0 *3*	†25 *3*	^{184}Tl(11 s)	366.51(†100), 286.80(†39), 534.40(†16.8)
340.04 *5*	†23.9 *8*	^{188}Au(8.84 m)	265.63(†100), 605.5(†16.3), 405.49(†9.1)
• 340.08 *1*	23	^{151}Pm(28.40 h)	167.75(8.3), 275.21(6.8), 717.72(4.05)
340.1 *2*	0.32 *5*	^{123}Cs(5.94 m)	97.3(23), 596.7(10.1), 83.3(4.1)
340.10 *25*	†1.8 *4*	^{165}Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
340.1 *1*	0.67 *9*	^{236}Th(37.5 m)	110.8(4.2), 646.6(0.72), 196.0(0.69)
340.16 *18*	0.45 *5*	^{83}Se(22.3 m)	356.687(70), 510.17(43), 224.8(32.7)
340.16 *25*	†4.7	^{197}Ir(5.8 m)	469.72(†100), 430.56(†61), 815.92(†45)
340.2 *4*	0.24 *6*	^{109}Sn(18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
340.2 *3*	0.47 *8*	^{144}La(40.8 s)	397.440(94.3), 541.20(39.2), 844.8(22.3)
340.2 *7*	†3.0 *15*	^{159}Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
340.2 *2*	†1.3 *5*	^{171}Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
340.2 *2*	†2.7 *3*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
340.2 *1*	0.040 *8*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
340.2 *1*	†70 *30*	^{234}Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
340.22 *10*	0.0200 *22*	^{125}Xe(16.9 h)	188.418(54), 243.378(30.1), 54.968(6.81)
340.3 *4*	0.45 *4*	^{137}Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
340.30 *10*	0.043 *8*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
340.3 *4*	0.79 *16*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
340.34 *5*	0.153 *17*	^{191}Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
• 340.38 *4*	0.156 *14*	^{150}Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
340.4 *4*	0.42 *10*	^{121}Cd(8.3 s)	2059.41(21.0), 1020.89(18.9), 987.81(13.6)

Energy-ordered Decay γ-ray Tables from the *Table of Isotopes*

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 340.45	0.00165 *33*	^{237}U(6.75 d)	59.537(34.5), 208.00(21.14), 26.345(2.43)
340.48 *17*		^{152}Pm(13.8 m)	229.9, 200.6, 63.51
340.48 *17*	31.3 *20*	^{152}Pm(7.52 m)	244.6989(78), 121.7824(45), 1097.1(28.7)
• 340.48 *17*	0.027 *6*	^{152}Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
340.48 *17*	0.0051 *19*	^{152}Eu(9.274 h)	841.586(14.6), 963.37(12.01), 121.7824(7.21)
340.5 *2*	6	^{115}Rh(0.99 s)	127.9(64.6), 125.6(33.3), 296.5(17)
340.5 *3*	45 *9*	^{116}Rh(0.68 s)	398.1(16), 738.1(12)
340.5 *3*	90 *18*	^{116}Rh(0.9 s)	639.4(52), 538.4(40), 726.2(38)
340.5 *5*	†<0.5	^{132}Pr(1.6 m)	325.5(†100), 496.9(†25), 822.4(†17.3)
340.5 *1*	0.61 *9*	^{139}Nd(5.50 h)	113.94(40), 737.96(35), 982.2(26.4)
340.5 *7*	0.025 *20*	^{142}Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
340.5 *3*	†39 *4*	^{143}Tb(12 s)	45.1(†100), 686.1(†48), 462.8(†45)
340.5 *5*	†7.1×10^{2} *24*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
340.53 *5*	49	^{132}Sn(39.7 s)	85.58(48.2), 899.04(44.8), 246.87(42.3)
• 340.53 *12*	0.236 *25*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 340.547 *8*	†42.3 *13*	^{136}Cs(13.16 d)	818.514(†100), 1048.073(†80), 1235.362(†20.1)
340.56 *13*	0.0340 *24*	^{141}Cs(24.94 s)	48.53(7.90), 561.63(4.7), 1194.02(3.95)
• 340.56 *8*	†4.3×10^{4}	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^{9}), 33.195(†6000×10^{8})
340.59 *15*	0.119 *24*	^{204}Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
340.66 *4*	0.39 *4*	^{105}Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
340.66 *4*	0.07 *3*	^{105}Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
• 340.690 *1*	1.182 *23*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
340.7	1.3 *6*	^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)
340.7 *3*	†90 *10*	^{157}Yb(38.6 s)	230.92(†100), 241.7(†74), 353.94(†57)
340.7 *4*	†1.67 *21*	^{196}Ir(1.40 h)	393.346(†105.2), 521.175(†104), 447.1(†102.1)
340.70 *10*	0.060 *6*	^{240}Np(7.22 m)	554.60(20.9), 597.40(11.7), 1496.9(1.33)
• 340.70 *10*	1.7×10^{-6} *7*	^{244}Cm(18.10 y)	42.824(.0044100), 98.860(.0001470), 152.63(<4.9×10^{-7})
340.71 *13*	70 *3*	^{99}Rh(4.7 h)	617.8(12.0), 1261.2(11), 936.7(2.20)
• 340.74 *5*	0.181 *3*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
340.76 *5*	0.234 *9*	^{119}I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
340.8	0.22	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
340.81 *12*	0.21 *3*	^{99}Sr(0.269 s)	125.118(16.1), 536.12(14.0), 1198.12(9.2)
• 340.81 *3*	4.47 *4*	^{233}Pa(26.967 d)	312.17(38.6), 300.34(6.62), 86.814(1.97)
340.81 *3*	0.055 *3*	^{233}Np(36.2 m)	312.17(0.7), 298.89(0.44), 546.9(0.280)
340.9 *5*	0.45 *8*	^{117}I(2.22 m)	325.9(75), 274.4(20.4), 661.5(5.1)
• 340.9 *1*	0.074 *18*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
• 340.90 *15*	0.0152 *7*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
340.91 *15*	0.38 *3*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
340.973 *5*	0.378 *21*	^{228}Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
340.973 *5*	1.61 *13*	^{228}Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
341 *1*	0.031 *12*	^{133}Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
341 *1*	0.44	^{175}Tm(15.2 m)	514.868(65), 941.23(15), 363.942(12.7)
341.0	0.05 *3*	^{223}Ac(2.10 m)	98.58(0.891), 191.3(0.58), 83.55(0.57)
341.00 *20*	0.101 *17*	^{245}Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
341.08 *12*	0.037 *15*	^{181}Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
341.1 *2*	2.0 *5*	^{117}Ag(5.34 s)	135.4(48), 386.8(39.9), 298.1(21.1)
341.1 *2*	†12.5 *14*	^{137}Te(2.49 s)	243.3(†100), 554.0(†34), 469.1(†21)
341.1 *1*	0.20	^{227}Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
341.16 *6*	37000 *4*	^{157}Ho(12.6 m)	279.97(†47600), 193.41(†15200), 86.55(†12200)
• 341.20 *20*	0.0021 *4*	^{110}Ag(249.79 d)	657.7622(94.0), 884.685(72.2), 937.493(34.13)
341.2 *2*	†20 *1*	^{191}Pb(2.18 m)	387.1(†100), 712.2(†46), 613.5(†40)
341.26 *7*	1.52 *12*	^{78}Rb(5.74 m)	454.97(81), 664.44(38.3), 1109.72(13.12)
341.26 *13*	0.90 *8*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
341.3 *2*	2.13 *21*	^{130}Sn(3.72 m)	192.5(70), 779.8(59), 70.0(35.5)
341.3 *2*	0.21	^{140}Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
341.3 *6*	†4.3	^{177}Os(2.8 m)	84.7(†100), 125.4(†63), 195.8(†61)
341.31 *9*	0.25	^{186}Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
• 341.320 *2*	0.0035 *3*	^{161}Tb(6.88 d)	25.65150(23.2), 48.91562(17.0), 74.56711(10.2)
341.320 *2*		^{161}Ho(2.48 h)	25.65150(27), 103.062(3.9), 77.414(1.91)
341.34 *8*	0.73 *8*	^{125}Cd(0.57 s)	1027.53(25.8), 1173.16(25.1), 736.65(12.6)
• 341.380 *7*	0.017 *9*	^{200}Tl(26.1 h)	367.943(87), 1205.717(29.9), 579.298(13.8)
341.4 *2*	†3.5 *4*	^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
341.42 *10*	2.70 *25*	^{162}Gd(8.4 m)	442.12(51), 403.00(43.3), 39.0(5.1)
341.5 *5*	0.0443 *15*	^{93}Y(10.18 h)	266.9(7.3), 947.1(2.09), 1917.8(1.55)
341.5 *2*	0.30 *5*	^{129}La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
341.5		^{165}Dy(1.257 m)	515.467(1.53), 361.68(0.534), 153.803(0.242)
• 341.510 *2*	6.62×10^{-5} *14*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
341.52 *8*	0.103 *14*	^{201}Pb(9.33 h)	331.19(79), 361.27(9.9), 945.96(7.4)
341.58 *6*	†1.33×10^{4} *22*	^{158}Er(2.29 h)	71.91(†23300), 386.84(†111000), 248.58(†42000)
341.6 *3*	†3.7 *6*	^{181}Pt(51 s)	289.29(†100), 111.97(†100), 230.15(†92)
341.6 *7*	0.209 *22*	^{199}Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
• 341.6432 *10*	1.69 *6*	^{177}Lu(160.4 d)	208.3664(57.7), 228.4838(37.0), 378.5029(29.7)
341.65 *5*	0.40 *4*	^{138}Nd(5.04 h)	325.76(2.84), 199.50(0.53), 215.31(0.28)
• 341.65 *5*	0.079 *5*	^{149}Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
341.7 *4*	0.05 *5*	^{142}La(91.1 m)	641.285(47), 2397.8(13.3), 2542.7(10.00)
341.74 *2*	0.119 *20*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
341.8 *2*	0.30 *8*	^{105}Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
341.8 *3*		^{122}Ba(1.95 m)	550.7, 388.7, 231.0
• 341.8 *5*	0.172 *16*	^{147}Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
341.82 *10*	4.7 *4*	^{166}Hf(6.77 m)	78.76(41), 407.91(4.5), 483.05(4.1)
341.9 *4*	3.3 *9*	^{181}Lu(3.5 m)	652.5(22.0), 205.94(16.1), 574.9(15.4)
341.9 *3*	0.16 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
341.91 *4*	2.17 *18*	^{193}Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
341.93 *11*	†8.8 *16*	^{189}Au(28.7 m)	713.17(†100), 812.68(†63), 447.65(†55)
341.95 *7*	0.065 *12*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
342.0 *1*	†19 *2*	^{135}Pm(49 s)	198.5(†100), 207.2(†70), 463.5(†62)
342.0 *5*	>0.26	^{137}Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
342.00 *10*	0.070 *10*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
342.0 *2*		^{157}Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
• 342 *2*	0.009 *2*	^{254}Es(275.7 d)	63.0(2.0), 316(0.15), 304(0.07)
• 342.011 *5*	0.0062 *12*	^{77}Br(57.036 h)	238.996(23), 520.639(22.4), 297.215(4.16)
• 342.033 *22*	1.05 *8*	^{182}Re(64.0 h)	229.3220(26), 67.75001(22.2), 1121.3007(22.0)
342.08 *5*	0.43 *6*	^{202}Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
342.1 *3*	0.25 *4*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
• 342.118 *7*	7	^{111}Ag(7.45 d)	245.422(1.24), 96.73(0.20), 620.3(0.019)
342.118 *7*	0.006	^{111}Ag(64.8 s)	245.422(0.50), 620.3(0.121), 171.28(0.12)
342.2 *6*	2.7 *10*	^{78}Zn(1.47 s)	224.75(43.9), 181.68(28.1), 860.30(24.5)
342.3 *1*	2.12 *12*	^{92}Kr(1.840 s)	142.307(64), 1218.6(60), 812.6(14.6)
342.3 *8*	0.41 *19*	^{104}In(1.8 m)	658.0(100), 834.1(99), 878.1(29.4)
342.3 *2*	12.3 *11*	^{104}Sn(20.8 s)	132.7(56), 912.6(42), 401.2(16.2)
342.3 *3*	0.017 *4*	^{112}Ag(3.130 h)	617.27(43), 1387.67(5.4), 606.49(3.1)
342.3 *1*	0.81 *6*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
342.41 *6*	2.2 *3*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
342.48 *15*	0.27 *3*	^{164}Lu(3.14 m)	123.3(34.0), 740.52(12.2), 262.22(10.8)
342.5	0.17	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
342.50 *12*		^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
342.5 *1*	0.069 *6*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
342.50 *9*	0.0135 *12*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 342.50 *9*	†26 *6*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
342.51 *19*	1.46 *20*	^{206}At(30.0 m)	700.66(98), 477.10(86), 395.54(48)
342.52 *12*	0.0009 *6*	^{135}I(6.57 h)	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
342.54 *5*	0.0085 *8*	^{129}Te(69.6 m)	27.81(16.3), 459.60(7.70), 487.39(1.42)
• 342.56 *4*	0.170 *14*	^{150}Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
342.6 *3*	†100	^{99}Cd(16 s)	671.8(†31), 1583.3(†28), 975.4(†11)
• 342.647 *4*	0.0078 *20*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
342.65 *9*	0.118 *20*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
342.67 *6*	0.048 *4*	^{155}Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
342.71 *10*	8	^{115}Pd(25 s)	303.87(7), 396.56(6), 556.3(6)
342.8 *3*	0.50 *6*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
342.81 *10*	0.083 *18*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
342.87 *8*	0.52 *3*	^{209}At(5.41 h)	545.0(91), 781.9(83.5), 790.2(63.5)
342.88 *5*	0.0493 *4*	^{129}Te(69.6 m)	27.81(16.3), 459.60(7.70), 487.39(1.42)
342.88 *6*	0.262 *22*	^{228}Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
342.9 *5*	0.49 *13*	^{57}Cr(21.1 s)	83.16(8.3), 850.2(8.2), 1752.1(5)
342.9 *4*	0.07 *3*	^{93}Sr(7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
• 342.90 *4*	0.219 *14*	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)
342.91 *4*	0.035 *5*	^{211}Pb(36.1 m)	404.853(3.78), 832.01(3.52), 427.088(1.76)
• 342.92 *5*	0.51 *15*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
342.945 *4*	0.701 *7*	^{131}Te(25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
• 342.945 *4*		^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
343.0 *1*	16.9 *15*	^{119}Cd(2.69 m)	292.9(36.8), 1609.7(10.9), 1763.7(9.2)
343.0 *1*	0.099 *22*	^{119}Cd(2.20 m)	1025.0(24.8), 2021.3(22.6), 720.7(17.9)
343		^{130}Pr(40.0 s)	951.9, 499.0, 1405
343.0 *5*	†>2.1	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
343.0 *2*	†2.5	^{256}Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
343.01 *4*	0.105 *8*	^{135}Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
343.07 *10*	25 *2*	^{150}Tb(5.8 m)	638.05(100), 650.4(70), 438.37(42)
343.10 *8*	0.12 *3*	^{189}Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
343.1 *2*	†1.89 *40*	^{192}Tl(9.6 m)	422.8(†100), 634.8(†75.9), 786.3(†31.7)
343.1 *3*		^{192}Pb(3.5 m)	1195.4(47), 608.2(17.9), 167.5(13.6)
343.2 *4*	0.30 *7*	^{121}Cs(155 s)	153.9(15.2), 239.6(7.7), 427.1(3.63)
343.2 *3*	†0.81 *10*	^{182}Ir(15 m)	273.23(†100), 126.79(†77), 236.3(†21.0)
343.2 *4*	0.22 *11*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
343.2 *2*	†16 *5*	^{194}Bi(106 s)	1308.3(†100), 671.8(†55), 965.4(†41)
343.2 *2*	†0.051 *21*	^{194}Bi(92 s)	965.4(†100.0), 575.1(†98.0), 280.1(†73.7)
343.2 *5*	0.0015	^{243}Pu(4.956 h)	84.0(23), 41.8(0.76), 381.7(0.56)
343.29 *8*	0.034 *4*	^{167}Yb(17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
343.30 *20*	0.028 *5*	^{105}Ru(4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
343.3 *6*	1.5 *6*	^{191}Hg(50.8 m)	252.5(57), 420.1(18.6), 578.6(17.6)
343.38 *20*	0.037 *4*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
343.40 *20*	>0.028	^{105}Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
343.4 *1*	†0.26 *5*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
• 343.40 *8*	84	^{175}Hf(70 d)	89.36(2.40), 433.0(1.436), 229.6(0.683)
343.44 *2*	0.83 *4*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
• 343.45 *5*	0.044 *7*	^{189}Re(24.3 h)	216.663(5.50), 219.395(4.54), 245.09(3.5)
• 343.45 *5*	0.055 *4*	^{189}Ir(13.2 d)	245.09(6), 69.537(3.5), 59.053(1.20)
343.46 *12*	4.04 *19*	^{103}Tc(54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
• 343.46 *8*	0.013 *4*	^{191}Pt(2.9 d)	538.90(13.7), 409.44(8.0), 359.90(6.0)
343.47 *16*	0.29 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
343.479 *19*	0.062 *22*	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
343.5 *1*	58 *4*	^{82}As(13.6 s)	654.6(72), 1895.4(39), 1731.3(28)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
343.5 *2*	6.2 *5*	^{176}Tm(1.9 m)	189.57(44.5), 1069.3(34), 381.8(21.8)
343.5 *3*	†75 *4*	^{187}Pb(18.3 s)	393.4(†100), 331.4(†75), 331.4(†60)
343.5 *10*		^{207}At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
• 343.5 *2*	0.003	^{235}U(7.038×10^{8} y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
• 343.51 *3*	23.4 *3*	^{206}Bi(6.243 d)	803.10(99), 881.01(66.2), 516.18(40.7)
• 343.52 *3*	0.055 *14*	^{166}Dy(81.6 h)	82.471(14), 28.242(1.13), 54.2400(0.81)
343.6 *1*	16.3 *17*	^{141}Tb(3.5 s)	293.3(16.8), 198.4(14.8), 136.7(14.3)
• 343.664 *2*	0.0133 *10*	^{161}Tb(6.88 d)	25.65150(23.2), 48.91562(17.0), 74.56711(10.2)
343.673 *17*	14.4 *4*	^{141}Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
343.7 *4*	0.089 *20*	^{132}I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
343.7	1.0	^{145}Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)
343.7 *3*	0.156 *14*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
• 343.7 *10*	0.049 *5*	^{240}Am(50.8 h)	987.76(73.2), 888.80(25.1), 98.860(1.5)
343.73 *14*	0.0042 *4*	^{123}I(13.27 h)	158.97(83), 528.96(1.39), 440.02(0.428)
343.74 *10*	0.0019	^{239}U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
343.79 *6*	0.12 *3*	^{189}Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
343.8 *2*	0.034 *7*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
343.85 *15*	0.67 *6*	^{70}Se(41.1 m)	49.51(35.8), 426.15(29), 376.65(9.43)
343.9 *1*	0.062 *25*	^{133}Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
343.9 *1*	4.0	^{149}Er(4 s)	1748.4(71), 1577.9(20), 171.5(14)
343.9 *1*	6.3 *8*	^{149}Er(8.9 s)	1171.0(9.4), 171.5(6.5), 1530.9(4.4)
343.9 *1*		^{150}Tm(2.2 s)	436.7, 171.5
343.9 *1*		^{153}Tm(1.48 s)	171.5
343.9 *1*		^{153}Tm(2.5 s)	171.5
343.93 *25*	3.9 *12*	^{78}Zn(1.47 s)	224.75(43.9), 181.68(28.1), 860.30(24.5)
343.93 *4*	0.0257 *10*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
• 343.97 *4*	0.059 *18*	^{206}Po(8.8 d)	1032.26(32.9), 511.36(24.1), 286.410(23.8)
343.98 *5*	0.0571 *19*	^{127}Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
343.99 *10*	†41.7 *18*	^{193}Tl(21.6 m)	324.37(†100), 1044.7(†59), 676.10(†48)
• 344.0 *4*	0.22 *7*	^{101}Rh(3.3 y)	127.23(73), 197.6(70.8), 324.8(13.4)
• 344.0 *9*	0.008 *8*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
344.0 *7*	0.036 *14*	^{199}Pb(90 m)	366.90(44.2), 353.39(9.5), 1135.04(7.8)
344.09 *10*	1.21 *6*	^{190}Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
344.1 *5*	0.29 *7*	^{98}Sr(0.653 s)	119.353(73), 444.628(39), 428.4(31)
344.1 *5*	0.056 *20*	^{140}Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
344.1 *9*	0.026 *12*	^{193}Au(17.65 h)	186.17(10.1), 255.57(6.7), 268.22(3.9)
344.18 *8*	0.7 *1*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
344.2		^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
344.2 *2*	0.17 *7*	^{159}Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
344.281 *2*	2.44 *3*	^{152}Eu(9.274 h)	1314.67(0.956), 970.38(0.604), 271.135(0.076)
• 344.281 *2*	26.58 *19*	^{152}Eu(13.542 y)	778.91(12.96), 411.115(2.231), 1089.700(1.710)
344.281 *2*	1500	^{152}Tb(17.5 h)	586.294(†223), 271.135(†203), 778.91(†137)
344.281 *2*	20.8 *11*	^{152}Tb(4.2 m)	411.115(18.8), 471.9(12.2), 519.4(4.9)
• 344.3 *2*	8.0×10^{-6} *1*	^{115}Cd(53.46 h)	336.240(45.9), 527.900(27.45), 492.3(8.03)
• 344.3 *2*	4.0×10^{-5} *2*	^{115}Cd(44.6 d)	933.8(2.000), 1290.580(0.890), 484.470(0.290)
344.35 *19*	0.36 *6*	^{181}Os(105 m)	238.75(44), 826.77(20), 118.03(12.9)
344.360 *11*	0.45 *11*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
344.39 *5*	0.72 *11*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
344.4 *7*	0.7 *3*	^{105}In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
344.4 *2*	0.5	^{200}Bi(36.4 m)	1026.5(100), 462.34(98), 419.70(91)
344.459 *10*	17.9 *4*	^{117}Cd(2.49 h)	273.349(28), 1303.27(18.4), 1576.62(11.19)
344.459 *10*		^{117}Cd(3.36 h)	1997.33(26), 1065.98(23.1), 564.397(14.7)
344.48 *15*	0.044 *4*	^{187}Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
344.5 *4*	1.3 *9*	^{140}Gd(15.8 s)	174.8(76), 749.9(70), 379.0(38)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
344.50 *25*	0.09 *5*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
• 344.5 *5*	1.3	^{247}Cm(1.56×10^{7} y)	402.6(72), 278.0(3.4), 287.4(2.0)
• 344.520 *21*	41	^{105}Ag(41.29 d)	280.41(30.2), 644.55(11.1), 443.37(10.5)
344.520 *21*		^{105}Ag(7.23 m)	319.14(†63000), 306.25(†12800), 442.37(†5900)
344.52 *17*	0.7	^{206}Hg(8.15 m)	304.896(31), 649.42(2.6)
• 344.52 *17*	0.7	^{210}Bi(3.04×10^{6} y)	265.832(50), 304.896(28), 649.42(3.8)
344.522 *25*	†>50	^{105}Ag(7.23 m)	319.14(†63000), 306.25(†12800), 442.37(†5900)
344.53 *5*	46	^{207}Rn(9.25 m)	747.15(14.2), 402.68(11.9), 674.00(8)
344.53		^{207}Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
344.55 *7*	86	^{156}Tm(83.8 s)	452.85(17.2), 585.93(14.6), 585.9(>15)
344.6	0.06	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
344.61 *6*	0.035 *7*	^{157}Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
344.68 *18*	†6.0 *10*	^{182}Au(21 s)	154.76(†100), 264.33(†40.0), 855.41(†14.5)
• 344.71 *10*	0.236 *19*	^{79}Kr(35.04 h)	261.29(13), 397.54(9.3), 606.09(8.12)
344.72 *10*	2.4 *2*	^{136}I(83.4 s)	1313.02(67), 1321.08(24.8), 2289.6(10.4)
344.72 *28*	1.44 *13*	^{161}Yb(4.2 m)	78.20(34), 599.88(25.9), 631.45(13.9)
344.8 *5*	5.3 *11*	^{164}Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
344.8 *4*	0.108 *25*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
344.8	>0.028	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
• 344.817 *17*	0.627 *17*	^{172}Er(49.3 h)	610.062(44.2), 407.338(42.1), 68.107(3.29)
344.9 *2*	1.0	^{140}Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
• 344.90 *1*	2.11 *11*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
344.9 *3*	†4.6 *16*	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 234.0(†40.0)
344.9 *1*	0.63 *8*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
344.9 *2*	35.2 *14*	^{184}Hf(4.12 h)	139.1(44.6), 181.0(13.8), 41.4(9.2)
344.9 *10*	2	^{196}Tl(1.84 h)	426.0(84), 610.5(11.9), 635.5(9.8)
• 344.92 *10*	0.0092 *13*	^{145}Eu(5.93 d)	893.73(66), 653.512(15.0), 1658.53(14.9)
• 344.95 *20*	0.0030 *3*	^{65}Zn(244.26 d)	1115.546(50.60), 770.6(0.0030)
344.98 *10*	0.17	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
344.99 *10*	0.044 *10*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
345		^{136}I(46.9 s)	1686.1(†100), 1689.0(†85), 240.5(†74)
• 345 *1*	0.0025 *6*	^{151}Gd(124 d)	153.56(6.20), 243.28(5.60), 174.70(2.96)
345.0 *6*	0.44 *11*	^{166}Lu(1.41 m)	228.12(15), 102.38(13), 285.07(11.0)
345.00 *4*	0.43 *5*	^{193}Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
345	†9	^{228}Pa(22 h)	95(†100), 310(†42), 240(†23)
• 345.000 *4*	>5.0×10^{-5}	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
345.008 *6*		^{235}Pa(24.5 m)	652.053, 659.3, 645.896
• 345.008 *6*	0.000556 *5*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
345.03 *10*	1.19 *8*	^{89}Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
345.04 *5*	0.285 *24*	^{201}Pb(9.33 h)	331.19(79), 361.27(9.9), 945.96(7.4)
345.1 *4*	0.015 *13*	^{133}La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
345.1	0.23 *6*	^{148}Ba(0.607 s)	56.08(29.20), 133.53(3.88), 415.78(3.59)
345.12 *4*	0.0030	^{239}U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
345.13 *16*	0.23 *4*	^{151}Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
345.2 *5*	<0.23	^{85}Se(31.7 s)	3396.6(7.4), 1427.2(7.0), 1207.9(4.4)
345.2 *8*	0.030 *10*	^{116}In(54.41 m)	1293.54(84.4), 1097.3(56.2), 416.86(28.9)
345.2 *2*	†18 *4*	^{153}Nd(28.9 s)	418.3(†100), 105.4(†36), 475.2(†33)
345.2 *2*	†0.53 *5*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
345.2 *3*	0.29 *3*	^{188}Hg(3.25 m)	66.7(63), 190.1(4.40), 82.7(2.6)
345.29 *8*	2.01 *5*	^{207}Po(5.80 h)	992.33(59.3), 742.64(28.2), 911.79(16.95)
345.3 *2*	0.25 *5*	^{123}Cs(5.94 m)	97.3(23), 596.7(10.1), 83.3(4.1)
345.3 *1*	†0.22 *5*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
345.37 *18*	†1.7 *4*	^{165}Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
345.4 *2*	0.16 *3*	^{96}Rb(0.199 s)	815.0(78.00), 692.0(8.0), 813.2(7.0)

Energy-ordered Decay γ-ray Tables from the *Table of Isotopes*

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
345.4 *6*	0.65 *19*	^{162}Tm(24.3 s)	811.52(6.5), 798.68(5.2), 227.52(5)
• 345.4 *1*	<0.07	^{235}U(7.038×10^{8} y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
345.43 *5*	0.104 *17*	^{133}I(20.8 h)	529.872(87.0), 875.329(4.51), 1298.223(2.35)
345.46 *4*	0.78 *8*	^{193}Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
• 345.47 *4*	0.49 *5*	^{182}Re(64.0 h)	229.3220(26), 67.75001(22.2), 1121.3007(22.0)
345.51 *10*	>0.07	^{118}Ag(3.76 s)	487.77(60), 677.13(11.9), 2788.7(11.8)
345.52 *3*	8.3 *4*	^{91}Rb(58.4 s)	93.628(33.7), 2564.19(12.5), 3599.67(10.4)
345.53 *10*	0.084 *19*	^{98}Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
345.569 *15*	0.459 *11*	^{166}Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
345.6 *1*	0.014 *4*	^{131}Te(25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
345.6 *4*	0.22 *17*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
345.6 *1*	0.39 *16*	^{206}Fr(15.9 s)	575.3(12), 559.0(8.19), 628.6(3.6)
345.608 *9*	1.096 *24*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
345.62 *12*		^{187}W(23.72 h)	685.774(27.3), 479.531(21.8), 72.001(11.14)
345.64 *10*	0.51 *6*	^{121}Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
345.70 *19*	0.287 *21*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
345.76 *26*	5.2 *8*	^{78}Ga(5.09 s)	619.40(77), 1186.42(20.1), 567.06(18.2)
345.86 *8*	0.55 *7*	^{125}Cd(0.57 s)	1027.53(25.8), 1173.16(25.1), 736.65(12.6)
• 345.89 *12*	0.87 *10*	^{102}Rh(2.9 y)	475.070(95), 631.28(55.9), 697.49(43.9)
345.9 *5*	0.25 *10*	^{105}Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
345.9 *4*	1.2 *3*	^{116}Cs(3.84 s)	393.5(<0.09), 524.3(76), 615.1(30.4)
• 345.9 *3*	0.13 *4*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
345.9 *4*	0.30 *15*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
345.9 *3*	0.10 *3*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
• 345.90 *3*	0.038 *5*	^{235}U(7.038×10^{8} y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
• 345.916 *25*	15.12 *10*	^{181}Hf(42.39 d)	482.182(80.50), 133.024(43.3), 136.266(5.85)
345.955 *19*	0.44 *5*	^{150}Pm(2.68 h)	333.971(68), 1324.51(17.5), 1165.739(15.8)
• 345.955 *19*	0.398 *14*	^{150}Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
346.0 *1*	6.0 *6*	^{76}Rb(39.1 s)	2571.3(47), 424.0(43.4), 355.6(8.2)
• 346.0 *1*	0.038 *9*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
346.0 *5*	†2.8 *19*	^{195}Pb(15 m)	883.1(†100), 393.7(†42), 871.0(†36)
• 346.02 *4*	†0.987 *17*	^{52}Mn(5.591 d)	1434.068(†100.0), 935.538(†94.9), 744.233(†90.6)
• 346.059 *2*	0.0065 *10*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
346.06 *7*	0.080 *6*	^{87}Br(55.60 s)	1419.71(22.0), 1476.04(7.9), 1577.60(6.0)
346.1 *2*	0.5 *1*	^{150}Er(18.5 s)	475.8(100), 130.0(2.6), 1014.0(0.9)
346.1 *2*	0.47 *19*	^{231}Ac(7.5 m)	282.471(39.0), 307.063(30.4), 221.399(16.8)
346.2 *2*	0.24 *6*	^{101}Zr(2.1 s)	119.3(10.8), 205.6(6.0), 912.2(3.48)
346.29 *7*	0.280 *19*	^{146}La(6.27 s)	258.47(64), 924.58(7.45), 702.28(6.43)
346.29 *3*	0.08 *3*	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
346.3 *3*	0.094 *23*	^{69}Cu(2.85 m)	1007.5(23.4), 834.4(13.1), 531.2(6.0)
346.3 *5*	†2.2 *5*	^{106}Mo(8.4 s)	465.70(†100), 54.00(†54), 618.60(†25)
346.3 *1*		^{107}Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
• 346.3 *3*	2.13 *8*	^{147}Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
346.3 *2*	0.58 *7*	^{148}Ce(56 s)	269.519(17.0), 291.724(16.7), 121.169(13.2)
• 346.3 *5*	0.000172 *17*	^{253}Es(20.47 d)	41.79(0.050), 389.11(0.0264), 387.1(0.00810)
• 346.31 *15*	0.059 *9*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
346.35 *5*	0.126 *4*	^{123}I(13.27 h)	158.97(83), 528.96(1.39), 440.02(0.428)
346.380 *10*	17.5 *9*	^{103}Tc(54.2 s)	136.079(16.6), 562.90(7.0), 210.21(6.8)
346.39 *5*	4.16 *8*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
346.4 *2*	>0.07	^{129}La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
346.44 *13*	0.022 *3*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
• 346.45 *10*	†0.65 *24*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
346.47 *6*	4.6 *3*	^{202}Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
346.49 *5*	3.23 *17*	^{93}Sr(7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
346.5 *1*	†5.9 *7*	^{103}Nb(1.5 s)	102.64(†100), 641.1(†55), 538.5(†34.0)
346.5 *1*	5.11 *25*	^{129}La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
346.5 *3*	1.28 *18*	^{190}Tl(3.7 m)	416.4(91), 625.4(82), 731.1(37)
346.5 *2*		^{197}Ir(5.8 m)	469.72(†100), 430.56(†61), 815.92(†45)
• 346.5 *4*	>0.027	^{230}Pa(17.4 d)	951.95(1.65), 918.48(8.2), 454.95(6.27)
346.547 *15*	56	^{167}Ho(3.1 h)	321.336(23.5), 237.873(5.0), 207.801(4.9)
• 346.547 *15*	0.025 *3*	^{167}Tm(9.25 d)	207.801(41), 57.0723(4.6), 531.54(1.6)
346.6 *2*	†100	^{138}Eu(12.1 s)	544.2(†55), 685.4(†41), 399.0(†23)
346.6 *3*	9.9 *7*	^{154}Ho(3.10 m)	334.6(94), 412.4(79), 477.1(55)
346.6 *3*	1.0 *1*	^{154}Ho(11.76 m)	334.6(84), 412.4(15.0), 873.4(12.5)
• 346.643 *5*	0.0292 *11*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
346.643 *5*	1.56 *20*	^{154}Tb(9.4 h)	123.071(30), 247.925(22.1), 540.18(20)
346.643 *5*	69 *5*	^{154}Tb(22.7 h)	247.925(79), 1419.81(46), 123.071(43)
• 346.651 *3*	23.9 *3*	^{149}Gd(9.28 d)	149.735(48.2), 298.634(28.6), 748.601(8.22)
346.7 *3*	4.2 *4*	^{74}Zn(96 s)	56.7(70), 49.4(33.4), 143.5(21.7)
346.7 *2*	0.07	^{161}Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
346.7 *1*	0.49 *5*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
• 346.7		^{188}Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
346.8 *2*	0.133 *12*	^{142}Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
346.8	0.06	^{185}Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
346.8 *4*	0.11 *5*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 346.8 *3*	0.18	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)
346.81 *10*	3.01 *18*	^{136}I(46.9 s)	1313.02(100), 381.359(100), 197.316(78)
• 346.825 *11*	0.220 *7*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
346.870 *20*	4.20 *4*	^{105}Cd(55.5 m)	961.84(4.69), 1302.459(3.98), 607.220(3.74)
346.89 *8*	0.133 *14*	^{199}Tl(7.42 h)	455.46(12.4), 208.20597(12.3), 247.26(9.3)
346.9 *2*	†18 *2*	^{114}Te(15.2 m)	90.28(†100), 83.8(†67), 1417.6(†32)
346.9 *3*	0.54 *9*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
346.9 *3*	†2.0 *5*	^{129}Sb(17.7 m)	759.8(†100.0), 657.78(†92), 433.76(†73)
346.9 *2*	0.11	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
• 346.93 *7*	0.0076 *5*	^{60}Co(5.2714 y)	1332.501(99.9820), 1173.237(99.90), 826.06(0.0076)
• 346.933 *11*	2.88 *11*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
347.1 *3*	0.0033 *15*	^{133}La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
347.1 *2*	†27.9	^{144}Gd(4.5 m)	333.3(†100), 2432.6(†94.8), 629.5(†32.4)
347.1 *2*	†190 *95*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
347.13 *2*	0.44 *3*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
347.17 *1*	0.773 *12*	^{145}Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
347.18 *10*	78	^{98}Cd(9.2 s)	1176.1(66.3), 107.28(43.7), 60.55(35.1)
347.18 *10*	†47 *6*	^{171}Hf(12.1 h)	122.0(†100), 662.2(†83), 1071.8(†46)
347.2 *10*	2.4 *3*	^{147}Tb(1.7 h)	1152.4(100), 694.4(43), 139.9(27.46)
• 347.2 *5*	0.00018 *2*	^{253}Es(20.47 d)	41.79(0.050), 389.11(0.0264), 387.1(0.00810)
347.210 *14*	0.34 *11*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
347.23 *15*	2.11 *20*	^{100}Cd(49.1 s)	936.55(66), 139.71(6.7), 582.5(6.3)
347.25 *10*	0.029 *9*	^{162}Ho(67.0 m)	185.005(28.6), 1220.0(22.5), 282.864(11.3)
347.251 *18*	0.205 *16*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
347.26 *4*	0.0240 *12*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
347.28 *9*	†0.40 *3*	^{184}Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
347.3 *2*	0.29 *4*	^{96}Rb(0.199 s)	815.0(78.00), 692.0(8.0), 813.2(7.0)
347.3 *3*	0.012	^{233}Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
347.3		^{238}Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
347.31 *4*	0.66 *6*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
347.38 *6*	3.9 *4*	^{123}Ag(0.309 s)	263.87(35.9), 409.79(13.2), 591.30(8.2)
347.48 *8*	3.0 *5*	^{123}Cd(2.10 s)	371.32(51), 1052.28(24.8), 1438.13(8.3)
347.5 *10*	0.044 *24*	^{89}Nb(1.9 h)	1627.20(3.4), 1833.46(3.16), 3092.7(3.0)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
347.5 *1*	2.13 *15*	^{109}In(4.2 h)	203.5(74), 623.7(5.5), 1148.9(4.3)
347.5 *2*	†12.9 *13*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
347.54 *5*	0.54 *5*	^{191}Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
347.6 *1*	†1.16 *4*	^{95}Pd(13.3 s)	1350.9(†105), 716.6(†70.63), 381.8(†50.8)
347.6		^{126}Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
347.6 *1*	0.45 *7*	^{142}Gd(70.2 s)	750.2(11.2), 178.90(11.20), 284.4(6.16)
347.6 *4*	0.37 *7*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
347.61 *10*	0.098 *9*	^{101}Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
347.65 *10*	2.3 *5*	^{157}Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
347.7	0.132 *18*	^{149}Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
347.7 *1*	1.60 *13*	^{157}Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
347.75 *8*	2.6 *4*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
347.8 *3*	0.05 *5*	^{81}Sr(22.3 m)	153.54(33.8), 147.76(30.1), 443.34(17.5)
347.8 *3*	1.0 *3*	^{176}Tm(1.9 m)	189.57(44.5), 1069.3(34), 381.8(21.8)
347.843 *18*	0.161 *5*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
347.896 *17*	6.2 *6*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
347.94 *10*	0.224 *19*	^{98}Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
• 348 *2*	0.007 *1*	^{254}Es(275.7 d)	63.0(2.0), 316(0.15), 304(0.07)
• 348.04 *6*	0.0168 *12*	^{172}Tm(63.6 h)	78.7435(6.5), 1093.657(6.0), 1387.093(5.6)
• 348.04 *6*	0.015 *8*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
348.06 *11*	†4.0 *3*	^{144}Cs(1.01 s)	199.326(†100.0), 639.00(†21.2), 758.96(†20.6)
348.06 *12*	†24 *4*	^{181}Pt(51 s)	289.29(†100), 111.97(†100), 230.15(†92)
348.14 *11*	†43 *3*	^{189}Au(28.7 m)	713.17(†100), 812.68(†63), 447.65(†55)
348.16 *7*	0.234 *5*	^{159}Gd(18.479 h)	363.55(11.4), 58.00(2.15), 226.01(0.215)
• 348.16 *7*	0.00095 *10*	^{159}Dy(144.4 d)	58.00(2.22), 79.45(0.00048), 290.27(0.00014)
348.18 *10*	†22	^{168}Lu(5.5 m)	1483.65(†100), 228.58(†97), 111.8(†68)
348.20 *10*	0.208 *10*	^{95}Ru(1.643 h)	336.43(70.2), 1096.76(21.0), 626.77(17.8)
348.2 *4*	†20 *10*	^{157}Yb(38.6 s)	230.92(†100), 340.7(†90), 241.7(†74)
348.21 *20*	2.27 *16*	^{107}Rh(21.7 m)	302.77(66), 392.47(8.8), 312.21(4.8)
348.21 *2*	0.22 *4*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
348.23 *5*	0.16 *3*	^{200}Pb(21.5 h)	147.63(37.7), 257.17(4.46), 235.63(4.30)
• 348.270 *45*	0.048 *7*	^{71}As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
348.3	0.8	^{100}Ag(2.01 m)	665.54(99), 750.67(78), 773.20(24.2)
348.3 *5*	0.26 *7*	^{119}Cd(2.69 m)	292.9(36.8), 343.0(16.9), 1609.7(10.9)
348.30 *9*	†64	^{168}Lu(5.5 m)	1483.65(†100), 228.58(†97), 111.8(†68)
348.32 *7*	3.4 *5*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
348.33 *17*	2.5 *3*	^{200}Bi(36.4 m)	1026.5(100), 462.34(98), 419.70(91)
• 348.371 *3*	0.00057 *8*	^{161}Tb(6.88 d)	25.65150(23.2), 48.91562(17.0), 74.56711(10.2)
348.371 *3*		^{161}Ho(2.48 h)	25.65150(27), 103.062(3.9), 77.414(1.91)
348.395 *8*	0.26 *13*	^{174}Tm(5.4 m)	366.526(92), 992.128(87), 272.918(86)
348.4 *4*	0.50 *4*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
348.4 *3*	0.085 *10*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
348.40 *15*	8.4 *14*	^{157}Tm(3.63 m)	455.00(9.3), 385.5(8.8), 110.35(8.2)
348.4	†64	^{178}Yb(74 m)	390.8(†100), 42.4(†6.7)
348.4 *3*	3.63 *20*	^{231}Np(48.8 m)	370.9(10), 263.8(2.84), 484.7(1.6)
348.42 *10*	1.4 *5*	^{168}Lu(6.7 m)	198.82(28), 979.22(20), 896.12(15)
348.5 *1*	†17.4 *16*	^{105}Nb(2.95 s)	94.8(†100), 246.9(†79), 309.9(†41.9)
348.5 *6*	0.83 *19*	^{113}Rh(2.72 s)	189.7(17.0), 409.3(15.9), 219.6(3.88)
348.5 *2*	0.73 *16*	^{126}Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
348.50 *25*	>0.26	^{137}Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
348.5 *5*	12.0 *6*	^{175}Ta(10.5 h)	207.4(14.0), 266.9(10.8), 81.5(6)
• 348.5 *1*	0.0033 *11*	^{225}Ac(10.0 d)	99.91(1.01), 150.04(0.80), 99.63(0.62)
• 348.5 *5*	†0.41 *16*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
• 348.523 *2*	0.340 *4*	^{168}Tm(93.1 d)	198.241(52.39), 815.990(48.99), 447.515(23.05)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
348.56 *4*	2.37 *8*	^{157}Pm(10.56 s)	160.61(35), 188.052(13.5), 571.27(5.39)
348.58 *2*	5.1 *5*	^{130}Sb(6.3 m)	839.49(100), 793.53(86), 182.36(41)
• 348.58 *15*	0.047 *9*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
348.6 *3*	†0.48 *6*	^{120}Cs(64 s)	322.4(†100), 473.5(†30), 553.4(†19.1)
348.6	†0.8 *2*	^{178}Ir(12 s)	266.1(†100.0), 131.6(†79), 363.1(†39.9)
348.7		^{41}Cl(38.4 s)	1353, 834, 515
348.70 *21*	33 *4*	^{112}Rh(3.8 s)	388.20(4), 777.5(3.6), 737.20(1.8)
348.70 *21*	87 *5*	^{112}Rh(6.8 s)	560.5(49), 1098.6(39), 359.7(30)
348.7 *2*	1.0 *2*	^{129}Sn(2.23 m)	645.13(100), 80.5(6.6), 913.2(5.0)
348.7 *1*	1.58 *15*	^{129}La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
348.7 *4*	0.24 *12*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 348.702 *7*	0.0136 *19*	^{156}Eu(15.19 d)	811.79(9.70), 88.9667(8.4), 1230.68(7.98)
348.71 *7*	0.040 *3*	^{187}Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
348.73 *5*	0.60 *20*	^{202}Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
348.782 *9*	0.96 *10*	^{245}Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
348.8 *5*	0.080 *20*	^{214}Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
348.803 *25*	0.079 *8*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
348.82 *5*	0.381 *17*	^{119}I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
• 348.83 *22*	0.009 *7*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
348.9 *3*	0.0047 *11*	^{45}K(17.3 m)	174.276(74.4), 1705.6(53), 2353.6(14.12)
348.9 *5*	0.79 *19*	^{113}Rh(2.72 s)	189.7(17.0), 409.3(15.9), 219.6(3.88)
• 348.9 *3*	0.007 *3*	^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
348.93 *20*	†0.46 *4*	^{184}Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
• 348.96 *10*	0.096 *24*	^{149}Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
348.97 *15*	0.75 *4*	^{156}Ho(56 m)	266.35(54.7), 137.83(51), 366.25(10.73)
348.99 *3*	0.70 *4*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
349 *1*	†3.4 *6*	^{117}Pd(4.3 s)	247.5(†100), 649.9(†41), 323.9(†37)
349.0 *3*	†5.8 *12*	^{142}Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
349		^{145}Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
349.0 *3*	1.4	^{170}Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
349.0 *2*	†18.7 *19*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
349.0 *5*	0.13	^{203}Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
349.1 *3*	0.09 *5*	^{104}Tc(18.3 m)	358.0(89), 530.5(15.6), 535.1(14.7)
• 349.1 *9*	0.0010 *4*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
349.1 *1*	0.50 *6*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
349.1		^{180}Os(21.5 m)	20.1(†100), 717.4, 667.0
349.1 *1*	0.94 *13*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
349.16 *5*	†0.112 *15*	^{153}Pm(5.4 m)	35.842(†100), 127.298(†75), 28.309(†34.6)
349.2	0.86 *6*	^{150}Pr(6.19 s)	130.2(32), 722.5(7.0), 852.7(6.1)
• 349.20 *11*	0.0092 *22*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
349.231 *9*	1.38 *4*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
349.29 *17*	1.30 *8*	^{186}Au(10.7 m)	191.56(62), 298.67(25.4), 764.89(10.5)
349.3 *2*	2.5 *3*	^{104}Tc(18.3 m)	358.0(89), 530.5(15.6), 535.1(14.7)
349.3 *7*	0.17 *5*	^{107}In(32.4 m)	204.97(47), 505.51(11.9), 320.92(10.2)
349.40 *4*		^{126}Pr(3.1 s)	495.88, 169.55
349.4 *2*	0.10 *5*	^{129}La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
349.4 *2*	†5.6 *11*	^{187}Hg(1.9 m)	233.38(†100), 376.34(†38), 240.26(†33)
349.4 *1*	19.8 *9*	^{250}Es(8.6 h)	828.82(72), 303.41(21.6), 383.7(13.6)
349.421 *5*	0.35 *13*	^{174}Tm(5.4 m)	366.526(92), 992.128(87), 272.918(86)
• 349.43 *5*	0.0276 *20*	^{145}Eu(5.93 d)	893.73(66), 653.512(15.0), 1658.53(14.9)
349.434 *4*	0.18 *4*	^{75}Br(96.7 m)	286.572(88), 141.3147(6.6), 427.883(4.4)
349.44 *7*	0.42 *4*	^{162}Yb(18.87 m)	163.35(40.0), 118.70(33.6), 576.10(3.24)
349.5	0.230 *18*	^{141}Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
349.5 *3*	0.71 *9*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
349.5 *3*	0.20 *6*	^{157}Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
349.5 *2*	4.8 *5*	^{174}Re(2.40 m)	243.4(37), 113.0(19.8), 1002.9(5.62)
• 349.59 *3*	0.563 *9*	^{205}Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
349.60 *13*	0.45 *3*	^{62}Zn(9.186 h)	596.56(26), 40.84(25.5), 548.35(15.3)
349.6 *2*	8.4 *10*	^{118}Pd(1.9 s)	125.4(34), 125.4(34), 224.2(20.1)
349.6 *5*	†1.25 *21*	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
• 349.6 *5*	0.000140 *15*	^{253}Es(20.47 d)	41.79(0.050), 389.11(0.0264), 387.1(0.00810)
349.7 *3*	0.16 *4*	^{61}Fe(5.98 m)	1205.07(44), 1027.42(42.7), 297.90(22.2)
349.7 *2*	0.23 *4*	^{236}Pa(9.1 m)	642.35(37.0), 687.59(9.9), 1762.7(6.0)
• 349.81 *3*	0.142 *14*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
• 349.85 *4*	0.00329 *19*	^{151}Gd(124 d)	153.56(6.20), 243.28(5.60), 174.70(2.96)
349.9 *3*		^{122}Ba(1.95 m)	550.7, 388.7, 231.0
349.9 *1*	0.82 *4*	^{251}Fm(5.30 h)	880.8(2.19), 453.1(1.45), 405.6(0.99)
• 349.92 *11*	0.0150 *9*	^{160}Tb(72.3 d)	879.383(30.01), 298.580(25.51), 966.171(25.21)
349.937 *16*	12.9 *10*	^{121}Cd(13.5 s)	324.976(49.5), 1040.26(16.8), 1483.23(8.2)
349.96 *10*	0.289 *14*	^{105}Ru(4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
350.0 *5*	0.38 *13*	^{137}Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
350.0 *5*	0.17 *7*	^{156}Tm(83.8 s)	344.55(86), 452.85(17.2), 585.93(14.6)
350.0 *4*	0.08 *4*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 350.0	0.24 *4*	^{188}Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
350.00 *15*	0.64 *13*	^{204}At(9.2 m)	684.341(95), 516.318(90), 426.253(67.5)
• 350.016 *10*	0.00034	^{149}Pm(53.08 h)	285.95(3.1), 859.46(0.109), 590.88(0.069)
• 350.016 *10*	0.367 *12*	^{149}Eu(93.1 d)	327.526(4.03), 277.089(3.56), 22.510(2.32)
350.026 *21*	3.34 *12*	^{208}Rn(24.35 m)	426.78(7.07), 251.05(5.02), 287.160(2.85)
350.03 *11*	0.074 *16*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
350.04 *19*	0.017 *7*	^{88}Kr(2.84 h)	2392.11(34.6), 196.301(25.98), 2195.842(13.18)
350.05 *2*	1.54 *4*	^{96}Nb(23.35 h)	778.224(96.45), 568.80(58.0), 459.88(26.62)
• 350.05 *2*	0.020 *10*	^{96}Tc(4.28 d)	778.224(100), 849.929(98), 812.581(82)
350.05 *2*	0.057 *3*	^{96}Tc(51.5 m)	778.224(1.9), 1200.231(1.08), 480.705(0.311)
350.053 *19*	1.54 *4*	^{96}Nb(23.35 h)	778.224(96.45), 568.80(58.0), 459.88(26.62)
• 350.053 *19*	0.070 *20*	^{96}Tc(4.28 d)	778.224(100), 849.929(98), 812.581(82)
350.065 *10*	7.80 *16*	^{122}Xe(20.1 h)	148.612(2.62), 416.633(1.87), 90.596(0.563)
350.10 *15*	0.0167 *11*	^{77}Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
350.1 *3*	0.55 *14*	^{207}Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
• 350.163 *6*	0.376 *4*	^{71}As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
350.18 *10*	1.02 *12*	^{105}Ru(4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
350.18 *20*	0.08	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
350.2 *2*	0.11 *4*	^{109}Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
350.2 *3*	0.43 *5*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
350.2	1.5 *8*	^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)
350.2 *2*	†4.1 *6*	^{152}Pr(3.24 s)	164.2(†100), 284.9(†81.0), 72.40(†38.9)
350.2 *2*	†5.1 *5*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
• 350.2 *2*	0.0071 *24*	^{193}Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
350.3 *1*	0.27 *3*	^{92}Kr(1.840 s)	142.307(64), 1218.6(60), 812.6(14.6)
350.3 *3*	>0.047	^{142}La(91.1 m)	641.285(47), 2397.8(13.3), 2542.7(10.00)
350.4 *2*	0.077 *11*	^{161}Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
350.4 *3*	0.35 *12*	^{181}Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
• 350.41 *5*		^{156}Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
350.42 *10*	0.17 *6*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
• 350.43 *9*	†7.5 *12*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
350.5 *3*	0.76 *18*	^{136}Sm(47 s)	114.4(36), 747.7(5.4), 485.3(5.0)
350.5 *2*	0.16 *6*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
350.5 *1*	†55 *13*	^{172}Re(15 s)	253.9(†100), 123.2(†45), 419.3(†10)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
350.5 *1*	†>3.7	^{172}Re(55 s)	123.2(†100), 253.9(†74), 743.0(†19)
350.5 *2*	†7 *1*	^{181}Ir(4.90 m)	107.64(†100), 1639.6(†52), 318.9(†46)
350.5 *1*	0.40 *3*	^{211}Rn(14.6 h)	674.1(45), 1362.9(32.5), 678.4(28.9)
• 350.5 *1*	0.076 *7*	^{245}Bk(4.94 d)	252.80(29.1), 380.8(2.40), 385.0(0.57)
350.52 *5*	0.40 *8*	^{108}In(58.0 m)	875.46(100), 632.96(100), 242.84(41)
350.6 *1*	7.23 *14*	^{79}Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
350.6 *4*	0.08 *3*	^{198}Tl(5.3 h)	411.8044(82), 675.8874(11), 636.4(10.1)
• 350.619 *3*	3.23 *3*	^{143}Ce(33.039 h)	293.266(42.80), 57.356(11.7), 664.571(5.69)
350.70 *20*	†39 *2*	^{106}Nb(1.02 s)	171.548(†100), 714.00(†30), 725.10(†17)
350.7 *4*	0.07 *3*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
350.7 *3*	†12.2 *19*	^{206}Rn(5.67 m)	497.7(†100), 324.5(†96), 386.6(†61)
• 350.71 *7*	0.00149 *9*	^{149}Pm(53.08 h)	285.95(3.1), 859.46(0.109), 590.88(0.069)
350.72 *6*	99	^{21}F(4.158 s)	1396(17.0), 1745.5(0.855), 4334(0.0526)
350.72 *6*	5.0 *1*	^{21}Na(22.49 s)	
• 350.774 *18*	0.301 *11*	^{173}Lu(1.37 y)	272.105(21.2), 78.63(11.87), 100.724(5.24)
350.78 *12*	0.047 *19*	^{98}Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
350.8 *8*	0.44 *25*	^{151}Ho(35.2 s)	527.4(63), 775.53(9.2), 209.5(5.69)
350.8 *10*	†22	^{178}Os(5.0 m)	968.7(†100), 1331.1(†94), 594.6(†72)
• 350.8 *3*	1.8×10^{-6} *4*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
350.85 *5*	0.197 *16*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
350.9 *2*	†36 *3*	^{112}Te(2.0 m)	372.70(†100), 296.20(†86), 418.9(†57)
350.9	2.54 *3*	^{145}Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
350.9	0.909 *12*	^{145}Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
350.90 *10*	1.00 *14*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
350.9 *7*	0.198 *22*	^{199}Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
350.92 *10*	0.383 *19*	^{98}Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
350.94	0.897 *12*	^{145}Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
• 350.95 *5*	0.264 *10*	^{125}Sn(9.64 d)	1067.10(10), 1089.15(4.59), 822.48(4.28)
351.0 *4*	0.21 *3*	^{73}Ga(4.86 h)	297.32(79.8), 325.70(11.17), 739.42(4.23)
351.0 *4*	0.37 *5*	^{97}Rh(30.7 m)	421.55(75), 840.13(12.0), 878.80(9.0)
351	>0.09	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
351.0 *10*	0.105 *21*	^{138}Pr(2.12 h)	1037.8(101), 788.742(100), 302.7(80)
351.0	1.5 *8*	^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)
351.0 *3*	2.0 *5*	^{152}Ho(49.5 s)	647.2(92), 613.8(88.4), 683.3(88)
351.001 *20*	0.80 *12*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
351.059 *20*	77	^{207}Hg(2.9 m)	997.1(69), 1637.1(30), 1756.3(16)
351.059 *20*	12.91 *11*	^{211}Bi(2.14 m)	
• 351.06 *5*	0.033 *17*	^{189}Re(24.3 h)	216.663(5.50), 219.395(4.54), 245.09(3.5)
• 351.07 *5*	0.0091 *10*	^{182}Ta(114.43 d)	67.75001(41.2), 1121.3007(34.9), 1221.4066(26.98)
• 351.07 *5*	10.3 *8*	^{182}Re(64.0 h)	229.3220(26), 67.75001(22.2), 1121.3007(22.0)
351.08 *10*	0.50 *6*	^{134}I(52.6 m)	847.025(95.4), 884.090(64.9), 1072.547(15.0)
351.1 *8*	0.051 *25*	^{103}Ag(65.7 m)	118.72(31.2), 148.193(28.3), 266.86(13.3)
351.1 *1*	89 *9*	^{141}Gd(24.5 s)	223.9(64), 574.9(51), 361.2(37)
351.11 *8*	0.13 *3*	^{189}Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
351.138 *13*	26 *3*	^{163}Tb(19.5 m)	389.734(24.3), 494.534(23), 421.860(11.5)
• 351.196 *24*	0.091 *3*	^{131}Ba(11.50 d)	496.326(47), 123.805(28.97), 216.078(19.66)
351.20 *7*	2.73 *15*	^{99}Nb(2.6 m)	97.785(7), 253.50(3.64), 2641.3(3.64)
351.2 *4*	†13 *3*	^{113}Ru(0.80 s)	263.2(†100), 211.7(†31.0), 337.5(†27.9)
351.21 *9*	>1.8	^{176}Re(5.3 m)	240.17(48), 109.08(25.0), 848.7(4.0)
• 351.21 *8*	3.36 *16*	^{191}Pt(2.9 d)	538.90(13.7), 409.44(8.0), 359.90(6.0)
• 351.3 *1*	0.273 *25*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
351.31 *25*	0.7 *4*	^{167}Ho(3.1 h)	346.547(56), 321.336(23.5), 237.873(5.0)
351.4 *2*		^{102}Ag(7.7 m)	556.52(48), 1834.7(9.8), 2054.4(6.6)
351.47 *16*	†4.8 *14*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
351.48 *7*	0.023 *4*	^{131}Te(25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
351.49 *17*	0.162 *16*	^{78}As(90.7 m)	613.725(54), 694.916(16.7), 1308.59(13.0)
351.49 *13*	2.30 *11*	^{146}Ce(13.52 m)	316.74(56), 218.23(20.8), 264.56(9.0)
351.5 *2*	†43 *2*	^{113}I(6.6 s)	462.5(†100), 622.4(†74), 567.4(†36)
351.5 *1*	†80 *5*	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
351.51 *4*	2.92 *19*	^{204}At(9.2 m)	684.341(95), 516.318(90), 426.253(67.5)
• 351.51 *7*	0.0073 *14*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
351.595 *15*	†2.4 *3*	^{101}Nb(7.1 s)	276.10(†100), 157.466(†32), 13.5(†32)
351.6 *5*	1.03 *21*	^{135}Nd(12.4 m)	204.02(52), 41.43(23), 441.2(14.9)
351.6 *3*	†0.7 *1*	^{182}Ir(15 m)	273.23(†100), 126.79(†77), 236.3(†21.0)
• 351.67 *4*	0.0090 *6*	^{152}Eu(13.542 y)	344.281(26.58), 778.91(12.96), 411.115(2.231)
351.67 *4*	†5.5 *8*	^{152}Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
351.67 *4*	1.89 *12*	^{152}Tb(4.2 m)	344.281(20.8), 411.115(18.8), 471.9(12.2)
351.69 *5*		^{223}Rn(23.2 m)	591.8(†100), 635.2(†76), 416.0(†55)
351.7 *2*	0.70 *5*	^{101}Sr(118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
351.7 *3*	2.5 *3*	^{118}I(13.7 m)	605.71(86.0), 545.12(10.9), 600.71(10.2)
351.7 *2*	5.7 *14*	^{179}Yb(8.0 m)	592.1(75), 612.3(35.4), 381.4(9.6)
• 351.7		^{188}Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
351.74 *11*	0.066 *7*	^{93}Rb(5.84 s)	432.61(17.4), 986.05(6.8), 213.429(6.7)
351.74 *9*	1.2 *4*	^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
351.74 *11*	0.36 *12*	^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
351.77 *11*	0.82 *4*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
351.8 *4*	0.079 *20*	^{132}I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
351.8 *2*	1.7	^{145}Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)
351.8 *4*	0.0033 *12*	^{167}Yb(17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
351.8	†100	^{182}Tl(3.1 s)	261.8(†60), 333.2(†30), 413.6(†20)
351.8 *3*	0.220 *25*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
• 351.81 *1*	4.1×10^{-5} *7*	^{233}U(1.592×10^{5} y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
• 351.84 *4*	0.00007 *1*	^{231}Th(25.52 h)	25.646(14.5), 84.216(6.6), 89.944(0.94)
351.9 *1*	0.127 *10*	^{143}Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
351.9	†4	^{148}Cs(158 ms)	141.7(†100), 687.2(†23), 545.5(†20)
351.9 *5*	2.6 *5*	^{178}Re(13.2 m)	237.3(45), 105.9(23.0), 939.1(8.9)
351.9 *5*	0.070 *10*	^{214}Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
351.9 *1*	0.41 *3*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
351.921 *8*	35.8 *5*	^{214}Pb(26.8 m)	295.213(18.5), 241.981(7.50), 53.226(1.11)
351.960 *12*	1.26 *8*	^{100}Y(735 ms)	212.531(73), 118.59(15.4), 665.98(7.7)
351.960 *12*	†33 *4*	^{100}Y(0.94 s)	212.531(†100), 878.54(†18), 665.98(†13)
352.0 *2*		^{115}Pd(25 s)	342.71(8), 303.87(7), 396.56(6)
352.0	0.9	^{134}Nd(8.5 m)	163.2(58), 288.9(13), 216.8(12)
352.0 *1*	0.38 *4*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
352.0	0.50 *25*	^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)
352.0 *5*	†2.2 *10*	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 234.0(†40.0)
352.0 *10*	0.29 *15*	^{156}Er(19.5 m)	35.3(18), 29.9(3.1), 133.6(0.8)
352.0		^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
352		^{219}Fr(20 ms)	530, 493, 189
352.02 *8*	49	^{95}Rb(377.5 ms)	204.02(15.1), 680.7(14.8), 328.7(9.3)
352.02 *8*	700	^{96}Rb(0.199 s)	204.02(†200), 680.7(†121), 328.7(†71)
352.07 *15*	0.13 *6*	^{131}La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
352.08 *9*	0.32 *3*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
352.1 *1*	0.78 *14*	^{75}Zn(10.2 s)	228.67(28.9), 432.29(20.2), 155.94(17.2)
• 352.1 *3*	0.019 *16*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
352.18 *15*	0.55 *8*	^{184}Au(53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
352.2 *3*	1.00 *15*	^{97}Sr(426 ms)	1905.0(25), 953.8(21.4), 652.2(11.4)
352.2 *6*	0.0059 *25*	^{111}Pd(23.4 m)	580.00(0.8), 70.44(0.78), 1459.0(0.56)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
352.2 *2*	1.01 *10*	^{167}Dy(6.20 m)	569.7(48), 259.33(27.9), 310.26(25.0)
352.2 *3*	†1.8 *2*	^{168}W(51 s)	178.5(†100), 145.5(†<2), 181.8(†1.7)
352.20 *25*	1.7 *3*	^{194}Tl(32.8 m)	636.5(99), 428.0(99), 748.9(76)
352.2 *1*	†3.1 *4*	^{194}Bi(92 s)	965.4(†100.0), 575.1(†98.0), 280.1(†73.7)
352.24 *2*	29.43 *9*	^{149}Tb(4.118 h)	164.98(26.4), 388.57(18.37), 652.12(16.25)
352.27 *20*	0.0011 *3*	^{130}I(9.0 m)	536.09(16), 586.05(1.07), 1614.10(0.447)
352.3 *7*	3.4 *5*	^{98}Ag(46.7 s)	863.1(100), 678.5(85), 570.93(53)
352.3 *3*	1.30 *4*	^{137}Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
• 352.3 *3*	0.016 *5*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
352.30 *20*	0.043 *19*	^{158}Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
352.36 *1*	2.09 *6*	^{57}Mn(87.2 s)	122.0614(13.9), 14.41300(10.56), 692.03(5.50)
• 352.36 *1*	0.0132 *3*	^{57}Co(271.79 d)	122.0614(85.60), 136.4743(10.68), 14.41300(9.16)
352.4 *23*	0.17	^{51}Ca(10.0 s)	861.6(35), 1394.0(27), 1167.5(23)
352.4 *1*	0.65 *13*	^{99}Ag(124 s)	264.41(65), 832.29(13.5), 805.07(12.5)
352.4 *2*	0.12 *6*	^{140}Eu(1.51 s)	530.7(29), 1068.0(3.2), 459.9(3.19)
352.4 *2*	1.77 *20*	^{148}Ce(56 s)	269.519(17.0), 291.724(16.7), 121.169(13.2)
352.4 *1*	†3.1 *3*	^{171}Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
352.4 *6*		^{185}Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
352.42 *5*	0.23 *5*	^{201}Au(26 m)	542.6(1.2), 517.0(0.83), 613.2(0.77)
352.47 *11*	0.014 *3*	^{155}Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
352.481 *5*	0.0367 *5*	^{145}Pr(5.984 h)	748.278(0.5250), 675.795(0.514), 72.500(0.261)
352.5 *1*	0.74 *7*	^{75}Kr(4.3 m)	132.43(67), 154.66(20.8), 153.15(8.0)
352.5 *2*	0.054 *9*	^{92}Sr(2.71 h)	1383.93(90), 953.31(3.52), 430.49(3.28)
352.5 *2*	1.5 *4*	^{129}Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
352.5 *2*	4.6 *4*	^{152}Ho(49.5 s)	647.2(92), 613.8(88.4), 683.3(88)
• 352.55 *4*	0.064 *9*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
352.55 *10*		^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
352.555 *28*	0.83 *4*	^{96}Nb(23.35 h)	778.224(96.45), 568.80(58.0), 459.88(26.62)
• 352.555 *28*	0.020 *10*	^{96}Tc(4.28 d)	778.224(100), 849.929(98), 812.581(82)
352.555 *28*	0.056 *3*	^{96}Tc(51.5 m)	778.224(1.9), 1200.231(1.08), 480.705(0.311)
352.61 *9*	0.00021 *12*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 352.61 *9*	†0.81 *24*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
352.63 *15*	0.16 *3*	^{189}Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
• 352.7		^{188}Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
352.74 *6*	†12.7 *14*	^{142}Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
352.78 *3*	0.054 *3*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
352.79 *12*	0.6 *3*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
352.8 *2*	†4 *1*	^{181}Ir(4.90 m)	107.64(†100), 1639.6(†52), 318.9(†46)
• 352.81 *2*	0.042 *3*	^{149}Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
352.874 *22*	0.0016 *6*	^{187}W(23.72 h)	685.774(27.3), 479.531(21.8), 72.001(11.14)
• 352.9 *3*	0.0025	^{99}Mo(65.94 h)	739.50(12.1), 181.063(6.08), 140.511(4.52)
352.9 *6*	1.02 *7*	^{100}Ag(2.01 m)	665.54(99), 750.67(78), 773.20(24.2)
352.9 *1*	0.24 *4*	^{109}Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
352.95 *10*	0.73 *4*	^{163}Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
352.97 *7*	0.20 *6*	^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
353.0 *5*	0.0205 *23*	^{75}Ge(82.78 m)	264.6584(11), 198.6031(1.19), 468.8(0.223)
353.0 *1*	0.141 *13*	^{101}Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
353.0 *5*	0.45 *8*	^{117}I(2.22 m)	325.9(75), 274.4(20.4), 661.5(5.1)
• 353.05 *6*	30.0 *8*	^{99}Rh(16.1 d)	528.24(33), 89.65(29.0), 322.41(5.4)
353.08 *5*	0.108 *24*	^{89}Br(4.40 s)	1097.82(6.00), 997.93(4.26), 953.53(4.26)
353.1 *3*	0.48 *19*	^{117}Ag(5.34 s)	135.4(48), 386.8(39.9), 298.1(21.1)
353.1 *3*	0.53 *7*	^{117}Ag(72.8 s)	135.4(23), 337.7(10.3), 157.1(7.9)
353.2 *3*	†3.0 *10*	^{131}Ce(10.3 m)	169.42(†100), 414.25(†68), 119.18(†44)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 353.2 *5*	0.009 *9*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
353.28 *4*	0.0235 *15*	^{133}La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
• 353.3 *6*	0.00012	^{115}Cd(44.6 d)	933.8(2.000), 1290.580(0.890), 484.470(0.290)
353.3 *4*	0.12 *4*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
353.3		^{144}Gd(4.5 m)	333.3(†100), 2432.6(†94.8), 629.5(†32.4)
• 353.3 *2*	0.228 *17*	^{175}Hf(70 d)	343.40(84), 89.36(2.40), 433.0(1.436)
353.3		^{238}Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
353.35 *16*	0.11 *7*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
• 353.36 *10*	0.106 *11*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
353.39 *6*	9.5 *5*	^{199}Pb(90 m)	366.90(44.2), 1135.04(7.8), 720.24(6.5)
353.4 *1*	†5.0 *6*	^{103}Nb(1.5 s)	102.64(†100), 641.1(†55), 538.5(†34.0)
353.43 *10*	19.9 *10*	^{121}Ag(0.78 s)	314.55(32.1), 500.61(9.3), 1195.10(6.7)
• 353.46 *11*	0.00031 *3*	^{149}Pm(53.08 h)	285.95(3.1), 859.46(0.109), 590.88(0.069)
353.479 *24*	0.94 *7*	^{131}La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
353.49 *9*	0.19 *11*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
353.5 *2*	0.114 *23*	^{123}Cs(5.94 m)	97.3(23), 596.7(10.1), 83.3(4.1)
353.5 *3*	0.53 *12*	^{126}Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
353.5 *3*	0.39 *5*	^{127}In(1.09 s)	1597.7(49), 646.1(6.2), 805.1(5.6)
• 353.5 *3*	0.10 *5*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
353.54 *6*	0.0037 *5*	^{145}Pr(5.984 h)	748.278(0.5250), 675.795(0.514), 72.500(0.261)
353.57 *17*	0.10 *4*	^{162}Yb(18.87 m)	163.35(40.0), 118.70(33.6), 576.10(3.24)
353.58 *9*	0.019 *4*	^{131}Te(25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
353.6 *2*	0.78 *8*	^{117}Xe(61 s)	28.5(7.0), 221.3(10.0), 32.3(7.6)
353.6 *4*	0.54 *8*	^{148}Ho(9.59 s)	1687.5(82.47), 660.8(58.94), 504.3(18.62)
353.6	0.4	^{200}Bi(36.4 m)	1026.5(100), 462.34(98), 419.70(91)
353.61 *2*	1.80 *12*	^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
353.63 *7*	3.6 *4*	^{123}Cd(2.10 s)	371.32(51), 1052.28(24.8), 1438.13(8.3)
353.63 *7*	0.051 *20*	^{123}Cd(1.82 s)	1165.86(25.7), 1027.45(22.6), 2102.81(12.5)
353.64 *6*	0.14 *6*	^{184}Ta(8.7 h)	414.03(72), 252.848(43), 920.932(32.0)
• 353.66 *4*	0.128 *3*	^{151}Gd(124 d)	153.56(6.20), 243.28(5.60), 174.70(2.96)
353.67	0.017 *12*	^{44}K(22.13 m)	1157.031(58), 2150.76(22.7), 2518.95(9.69)
353.68 *18*	0.024 *4*	^{159}Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
353.7 *3*	0.98 *18*	^{104}Tc(18.3 m)	358.0(89), 530.5(15.6), 535.1(14.7)
353.70 *20*	0.39 *11*	^{106}Tc(35.6 s)	270.07(56), 2239.30(13.6), 1969.40(8.9)
353.7 *2*	0.58 *6*	^{137}Pr(1.28 h)	836.7(1.8), 433.9(1.28), 514.0(1.08)
353.7 *1*	†2.0 *10*	^{172}Ir(2.0 s)	227.8(†100.0), 378.4(†62.0), 448.4(†40.5)
353.73 *21*	0.44	^{181}Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
353.8 *2*	3.0 *3*	^{132}Sb(2.79 m)	973.9(99), 696.8(86), 989.6(14.9)
353.80 *10*	†457 *48*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
353.8 *2*	1.30 *12*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
353.8 *3*	0.20 *5*	^{163}Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
353.89 *2*	3.11 *20*	^{191}Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
353.9 *4*	1.02 *9*	^{109}Sn(18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
353.9 *2*	40	^{124}Cs(30.8 s)	914.8(4.0), 492.6(3.6), 846.9(1.19)
353.9 *3*	0.035 *5*	^{181}Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
353.91 *12*	0.042 *9*	^{105}Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
353.94 *15*	†57 *5*	^{157}Yb(38.6 s)	230.92(†100), 340.7(†90), 241.7(†74)
353.96 *20*	0.55 *12*	^{166}Lu(2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
• 353.9912 *5*	11.2 *3*	^{183}Ta(5.1 d)	246.0591(27), 107.9322(11.0), 161.3467(8.9)
• 353.9912 *5*	0.536 *9*	^{183}Re(70.0 d)	162.3219(23.3), 46.4839(7.97), 291.7238(3.05)
354.0 *2*	†0.80 *8*	^{104}Nb(0.92 s)	192.2(†100), 368.4(†20), 620.2(†19.2)
• 354.0	0.007	^{105}Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
354.00 *10*	0.0118 *24*	^{139}Pr(4.41 h)	1347.33(0.47), 1630.67(0.343), 255.11(0.236)
354.0 *4*	0.0025 *12*	^{167}Yb(17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
354.0 *4*	0.026 *13*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 354.03 *3*	5.3×10^{-5} *8*	^{233}U(1.592×10^5 y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
• 354.031 *6*	7.0×10^{-7} *3*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
354.1 *8*	0.34 *11*	^{77}Rb(3.75 m)	66.52(57), 178.99(22.2), 393.37(9.7)
354.1 *4*	0.13 *3*	^{89}Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
354.2 *3*	7.3 *11*	^{78}Zn(1.47 s)	224.75(43.9), 181.68(28.1), 860.30(24.5)
• 354.20 *9*	0.0146 *19*	^{156}Eu(15.19 d)	811.79(9.70), 88.9667(8.4), 1230.68(7.98)
354.21 *12*	0.017 *9*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
354.247 *17*	4.6 *5*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
354.32 *19*	0.15 *4*	^{131}La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
354.4 *4*	1.20 *8*	^{97}Pd(3.10 m)	265.26(56), 475.2(26.7), 792.70(13.8)
354.4 *3*	0.14 *4*	^{141}Eu(40.0 s)	394.0(9), 384.5(5.6), 382.9(2.97)
• 354.4	0.025	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
354.45 *6*	0.0064 *10*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
354.47 *5*	0.7	^{227}Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
• 354.47 *5*	0.100 *3*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
354.5 *1*	2.50 *25*	^{107}Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
354.5 *3*	0.13 *4*	^{109}Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
354.5 *4*	0.48 *10*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
354.5 *5*	1.25 *19*	^{196}Tl(1.84 h)	426.0(84), 610.5(11.9), 635.5(9.8)
354.510 *60*	†27.8 *19*	^{94}Kr(0.20 s)	629.2(†100), 764.5(†71), 219.466(†67.4)
• 354.59 *5*	0.0171 *19*	^{205}Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
354.6 *3*	0.24 *4*	^{157}Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
354.6 *3*	0.46 *8*	^{160}Yb(4.8 m)	173.74(42.0), 215.78(20.2), 140.35(9.3)
354.6 *6*	0.58 *19*	^{162}Tm(24.3 s)	811.52(6.5), 798.68(5.2), 227.52(5)
354.67 *13*	0.171 *24*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
354.70 *19*	0.29 *4*	^{84}Br(31.80 m)	881.610(42), 1897.761(14.7), 3927.5(6.8)
• 354.7 *1*	0.298 *15*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
354.7 *5*	0.049 *16*	^{142}Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
354.735 *25*	1.89 *22*	^{78}As(90.7 m)	613.725(54), 694.916(16.7), 1308.59(13.0)
354.76 *3*	†0.157 *15*	^{153}Pm(5.4 m)	35.842(†100), 127.298(†75), 28.309(†34.6)
354.8	†9.6	^{107}Mo(3.5 s)	400.3(†100), 65.7(†>92), 384.4(†57.6)
354.8 *2*	13.1 *5*	^{120}In(47.3 s)	1171.3(100), 1023.1(97.4), 197.3(80.6)
354.8 *1*	†<5	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
354.8 *2*	0.025 *9*	^{221}Rn(25 m)	186.38(21.6), 150.04(4.5), 216.90(2.6)
• 354.8 *2*	0.0016 *4*	^{225}Ac(10.0 d)	99.91(1.01), 150.04(0.80), 99.63(0.62)
• 354.87 *4*	0.395 *16*	^{206}Po(8.8 d)	1032.26(32.9), 511.36(24.1), 286.410(23.8)
• 354.9 *3*	4.8×10^{-5} *19*	^{85}Sr(64.84 d)	514.0067(96), 868.5(0.0120), 151.159(0.0012)
354.9 *2*		^{146}Dy(29 s)	2156.8, 1915.7, 1876.7
• 354.90 *10*	0.186 *22*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
354.90 *20*	0.17	^{154}Pm(1.73 m)	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
354.90 *20*	0.68	^{154}Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
• 354.9 *1*	0.0019 *3*	^{177}Ta(56.56 h)	112.9498(7.2), 208.3664(0.94), 1057.8(0.29)
354.9	†3.7	^{205}Rn(2.8 m)	264.9(†100), 464.5(†25), 620.2(†25)
354.94 *14*	0.29 *3*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
354.97 *11*	0.673 *14*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
354.97 *11*	1.96 *21*	^{174}W(31 m)	35.42(14.1), 428.83(12.7), 328.68(9.5)
355.0 *1*		^{106}Sn(115 s)	386.8(†100), 477.5(†62), 253.30(†57)
355.00 *22*	†14.9 *15*	^{164}Tm(2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)
355.07 *26*	0.099 *25*	^{86}Y(14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
355.1 *3*	0.37 *18*	^{119}Cd(2.69 m)	292.9(36.8), 343.0(16.9), 1609.7(10.9)
355.1 *3*	0.32 *12*	^{119}Cd(2.20 m)	1025.0(24.8), 2021.3(22.6), 720.7(17.9)
355.1 *5*	1.1 *5*	^{166}Hf(6.77 m)	78.76(41), 341.82(4.7), 407.91(4.5)
355.11 *4*	0.24 *4*	^{122}Xe(20.1 h)	350.065(7.80), 148.612(2.62), 416.633(1.87)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
355.2	0.06	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
355.2 *2*	†1.7 *4*	^{194}Bi(92 s)	965.4(†100.0), 575.1(†98.0), 280.1(†73.7)
355.244 *17*	0.650 *13*	^{183}Os(13.0 h)	381.768(89.6), 114.463(20.63), 167.844(8.81)
355.3 *2*	4.7 *8*	^{76}Kr(14.8 h)	315.7(39), 270.2(21.1), 45.48(19.5)
355.3 *2*	2.73 *21*	^{97}Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
355.3 *1*	0.223 *13*	^{101}Pd(8.47 h)	296.29(19), 590.44(12.06), 269.67(6.43)
355.3 *3*	>0.047	^{142}La(91.1 m)	641.285(47), 2397.8(13.3), 2542.7(10.00)
355.36 *4*	0.83 *4*	^{116}In(54.41 m)	1293.54(84.4), 1097.3(56.2), 416.86(28.9)
355.36 *4*	0.012	^{116}Sb(15.8 m)	1293.54(85), 931.800(24.7), 2225.33(14.2)
355.40 *9*	2.09 *9*	^{97}Zr(16.91 h)	743.36(93), 507.64(5.03), 1147.97(2.61)
355.4 *1*	0.65 *4*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
• 355.48 *6*	0.043 *3*	^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
355.48 *15*	0.30 *5*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
355.50 *9*	0.033 *3*	^{187}Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
355.5 *3*	†0.8 *3*	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
• 355.54 *5*	†8.8×10^3 *9*	^{134}Ce(75.9 h)	162.306(†230000), 130.414(†209000), 39.08(†>150000)
355.6 *1*	8.2 *9*	^{76}Rb(39.1 s)	2571.3(47), 424.0(43.4), 1803.3(7.6)
355.6 *3*	1.01 *6*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
355.6 *3*	0.20 *3*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
355.624 *13*	0.478 *13*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
355.64 *13*	0.53 *5*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
355.67 *15*	0.60 *12*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
355.684 *2*	19	^{196}Ir(52 s)	779.630(10.4), 446.613(4.5), 332.983(4.35)
355.684 *2*	†102 *3*	^{196}Ir(1.40 h)	393.346(†105.2), 521.175(†104), 447.1(†102.1)
• 355.684 *2*	87	^{196}Au(6.183 d)	332.983(22.9), 521.175(0.389), 1091.331(0.149)
355.7 *3*	†0.8 *3*	^{101}Nb(7.1 s)	276.10(†100), 157.466(†32), 13.5(†32)
355.73 *18*	†7.6 *10*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
355.8 *2*	3.8	^{145}La(24.8 s)	70.0(11), 118.2(3.6), 447.4(3.2)
355.8 *5*	†1.04 *21*	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
355.9 *3*	0.030 *9*	^{112}Ag(3.130 h)	617.27(43), 1387.67(5.4), 606.49(3.1)
355.9 *2*	2.33 *13*	^{121}Cs(155 s)	153.9(15.2), 239.6(7.7), 427.1(3.63)
355.97 *3*	0.0297 *15*	^{133}La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
355.97 *19*	†2.7 *3*	^{182}Au(21 s)	154.76(†100), 264.33(†40.0), 855.41(†14.5)
356.00 *20*	0.11 *4*	^{90}Kr(32.32 s)	1118.69(39.0), 121.82(35.5), 539.49(30.8)
356.0 *2*	0.54 *8*	^{96}Sr(1.07 s)	122.297(76.50), 809.401(71.9), 931.7(11.8)
356.0 *1*	0.36 *23*	^{206}Fr(15.9 s)	575.3(12), 559.0(8.19), 628.6(3.6)
356 *10*	4.0 *20*	^{210}Tl(1.30 m)	799.7(99), 298(79), 1316(21)
• 356.017 *2*	62.05 *19*	^{133}Ba(10.52 y)	80.997(34.06), 302.853(18.33), 383.851(8.94)
• 356.03 *5*	0.005	^{235}U(7.038×10^8 y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
356.1	1.6	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
356.10 *20*	0.068 *19*	^{158}Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
356.1 *4*	0.077 *7*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
356.16 *9*	4.16 *22*	^{89}Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
356.18 *15*	0.11	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
356.21 *16*	1.7 *8*	^{181}Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
356.23 *11*	0.220 *25*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
356.27 *19*	0.132 *24*	^{89}Br(4.40 s)	1097.82(6.00), 997.93(4.26), 953.53(4.26)
356.37 *10*	0.026	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
356.395 *14*	1.79 *19*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
356.4 *4*	0.231 *3*	^{89}Nb(1.9 h)	1627.20(3.4), 1833.46(3.16), 3092.7(3.0)
356.4 *4*	0.00035 *5*	^{107}Cd(6.50 h)	93.124(1.45), 828.93(0.17), 796.462(0.0665)
356.4 *5*	†<0.15	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
356.4 *3*	0.133 *12*	^{243}Pu(4.956 h)	84.0(23), 41.8(0.76), 381.7(0.56)
• 356.426 *5*	13.61 *7*	^{156}Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
356.45 *9*	0.024 *4*	^{182}Hf(61.5 m)	942.80(18.8), 799.64(9.4), 114.3152(6.2)
• 356.47 *15*	0.012 *3*	^{148}Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
356.5 *1*	0.047 *5*	^{143}Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
356.5 *5*	0.0070 *20*	^{214}Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
• 356.519 *12*	2.75 *8*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
356.6 *2*	†1.7 *4*	^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
356.687 *30*	70	^{83}Se(22.3 m)	510.17(43), 224.8(32.7), 718.10(15.0)
356.687 *30*	18	^{83}Se(70.1 s)	1030.86(21.2), 987.96(16.1), 673.98(15.2)
356.72 *8*	0.526 *6*	^{139}Xe(39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
• 356.74 *5*	0.000140 *6*	^{169}Yb(32.026 d)	63.12077(44.2), 197.95788(35.8), 177.21402(22.16)
356.78 *6*	2.1	^{136}Te(17.5 s)	2077.9(22), 333.99(19), 578.75(18)
356.78 *9*	1.6 *3*	^{181}Os(105 m)	238.75(44), 826.77(20), 118.03(12.9)
356.8 *3*	0.124 *13*	^{99}Nb(2.6 m)	97.785(7), 253.50(3.64), 2641.3(3.64)
356.8 *5*	0.082 *25*	^{142}Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
356.8 *3*	0.113 *13*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
356.83 *14*	0.30 *4*	^{133}Sb(2.5 m)	1096.22(43.0), 817.8(18.5), 2755(12.5)
356.84 *16*	29.3 *8*	^{186}Tl(27.5 s)	405.43(92), 402.72(45.9), 675.22(14.2)
356.87 *10*	0.014 *3*	^{155}Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
356.9 *2*	1.7 *5*	^{110}Rh(3.2 s)	373.80(54), 439.79(6.5), 796.83(5.3)
• 356.9 *5*	0.008 *3*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
• 356.9 *4*	0.016 *9*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
356.9 *5*	0.31 *8*	^{160}Yb(4.8 m)	173.74(42.0), 215.78(20.2), 140.35(9.3)
356.90 *25*	0.0008 *4*	^{165}Dy(2.334 h)	94.700(3.58), 361.68(0.84), 633.415(0.568)
356.9 *4*	4.8 *10*	^{191}Hg(50.8 m)	252.5(57), 420.1(18.6), 578.6(17.6)
356.93 *10*	†8 *2*	^{165}Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
356.93 *10*	†12 *2*	^{165}Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
356.94 *10*	0.0176 *19*	^{228}Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
356.99 *5*	0.46 *4*	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
356.996 *15*	0.466 *19*	^{173}Hf(23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
357.0 *4*	0.19 *4*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
357.0 *3*	1.5 *3*	^{128}Sb(9.01 h)	753.82(100), 743.22(100), 314.12(61)
357.00 *2*	0.43 *3*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
357.0 *5*	0.21 *4*	^{156}Ho(56 m)	266.35(54.7), 137.83(51), 366.25(10.73)
357.0 *2*	0.50 *9*	^{157}Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
357.00 *15*	6.7 *9*	^{157}Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
357 *1*	0.032	^{175}Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
357.01 *16*	0.0158 *25*	^{139}Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
357.03 *4*	0.047 *3*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
357.1 *2*	0.77 *13*	^{105}Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
• 357.10 *20*	0.047 *23*	^{169}Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
357.1 *10*	†1.0	^{179}Os(6.5 m)	65.39(†100), 218.6(†17), 32.3(†17)
• 357.11 *3*	0.54 *5*	^{182}Re(64.0 h)	229.3220(26), 67.75001(22.2), 1121.3007(22.0)
• 357.12 *9*	0.175 *7*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
357.14 *13*	0.13 *4*	^{162}Yb(18.87 m)	163.35(40.0), 118.70(33.6), 576.10(3.24)
357.15 *1*	2.67 *18*	^{207}At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
357.2 *2*	0.070 *14*	^{63}Fe(6.1 s)	994.8(14.0), 1427.2(4.6), 1299.0(1.23)
357.2 *3*	0.024 *10*	^{99}Sr(0.269 s)	125.118(16.1), 536.12(14.0), 1198.12(9.2)
• 357.26 *5*	0.0048 *6*	^{152}Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
357.3 *4*	0.27 *7*	^{144}La(40.8 s)	397.440(94.3), 541.20(39.2), 844.8(22.3)
357.38 *15*	0.32 *10*	^{209}Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
357.4 *1*	81.0 *24*	^{130}La(8.7 m)	550.7(25.9), 908.0(17.0), 544.5(16.2)
• 357.4 *3*	0.025 *10*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
357.4 *1*	0.18 *3*	^{223}Ac(2.10 m)	98.58(0.891), 191.3(0.58), 83.55(0.57)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
357.425 *14*	1.34 *8*	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
• 357.45 *16*	0.0175 *25*	^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
• 357.47 *5*	0.0094 *6*	^{103}Ru(39.26 d)	497.080(90.9), 610.33(5.75), 443.799(3.27)
• 357.47 *5*	0.0221 *7*	^{103}Pd(16.991 d)	39.757(0.07), 497.080(0.00396), 294.978(0.00280)
• 357.48 *20*	>0.00014	^{129}Te(33.6 d)	695.88(2.988), 729.57(0.70), 556.65(0.118)
357.5 *8*	0.59 *8*	^{77}Zn(2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
357.50 *18*	0.756 *23*	^{81}Rb(4.576 h)	190.38(64.0), 446.15(23.2), 510.31(5.3)
357.5 *10*	†7.9×10^{2} *17*	^{234}Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
• 357.518 *62*	0.0058 *9*	^{129}Cs(32.06 h)	371.918(30.60), 411.490(22.31), 548.945(3.40)
357.6 *3*	1.70 *11*	^{113}Rh(2.72 s)	189.7(17.0), 409.3(15.9), 219.6(3.88)
• 357.62 *7*	0.053 *3*	^{238}Np(2.117 d)	984.45(27.8), 1028.54(20.3), 1025.87(9.6)
357.62 *7*	2.10 *14*	^{238}Am(98 m)	962.77(28), 918.69(23.0), 561.11(10.9)
• 357.62 *7*	6×10^{-7} *4*	^{242}Cm(162.8 d)	44.08(0.0325), 101.90(0.0025), 157.42(0.0014)
357.7 *3*	†6 *2*	^{112}Te(2.0 m)	372.70(†100), 296.20(†86), 418.9(†57)
357.7		^{135}Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
• 357.76 *4*	0.010 *3*	^{193}Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
• 357.8 *2*	0.00060 *21*	^{143}Ce(33.039 h)	293.266(42.80), 57.356(11.7), 664.571(5.69)
357.8 *2*	4.3 *8*	^{157}Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
357.84 *20*	0.41 *3*	^{107}Rh(21.7 m)	302.77(66), 392.47(8.8), 312.21(4.8)
357.9 *1*	0.42 *4*	^{111}Pd(5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)
357.9 *1*	0.036 *10*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
357.90 *20*	0.063 *17*	^{245}Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
358.0 *3*	1.22 *14*	^{85}Zr(7.86 m)	454.20(45), 416.3(27.0), 1198.4(4.8)
358	†0.1	^{92}Br(0.343 s)	769(†100), 1446(†10), 1035(†6)
358.0 *1*	89	^{104}Tc(18.3 m)	530.5(15.6), 535.1(14.7), 884.4(10.9)
358.0 *1*	0.0160 *12*	^{104}Rh(42.3 s)	630.3(0.0010)
358.0 *4*	†15 *5*	^{164}Tm(2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)
358.0 *4*	0.037 *9*	^{164}Yb(75.8 m)	40.928(1.147), 675.41(0.38), 390.6(0.31)
358.02 *9*	6.4 *13*	^{75}Rb(19.0 s)	178.98(<63), 178.97(>51), 187.21(8.7)
358.03 *5*	0.30 *5*	^{202}Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
• 358.098 *5*	0.014	^{76}As(26.32 h)	559.101(45), 657.041(6.2), 1216.104(3.42)
358.098 *5*	0.37 *15*	^{76}Br(16.2 h)	559.101(74), 657.041(15.9), 1853.67(14.7)
358.1	1.7	^{147}Ce(56.4 s)	268.80(7), 92.9(4.7), 374.23(3.5)
358.1 *2*	0.52 *5*	^{174}Tm(5.4 m)	366.526(92), 992.128(87), 272.918(86)
358.1 *3*	†0.5 *2*	^{225}Fr(4.0 m)	182.3(†100), 31.50(†91), 225.1(†55)
358.15 *18*	2.5 *5*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
358.174 *10*	0.729 *17*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
358.2 *5*	0.047 *13*	^{101}Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
• 358.2 *5*		^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
358.2 *1*	†100	^{158}Lu(10.4 s)	477.0(†21)
358.2	0.21	^{212}Fr(20.0 m)	1273.8(46), 227.72(43), 1185.6(14.1)
358.21 *3*	†2.8×10^{4} *3*	^{158}Er(2.29 h)	71.91(†23300), 386.84(†111000), 248.58(†42000)
• 358.25 *20*	†1.20×10^{4} *24*	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^{9}), 33.195(†6000×10^{8})
358.3 *6*	0.076 *25*	^{103}Ag(65.7 m)	118.72(31.2), 148.193(28.3), 266.86(13.3)
358.3 *3*	†49 *33*	^{171}Ho(53 s)	903.3(†100), 198.6(†88), 279.2(†60)
358.3 *1*	0.315 *20*	^{251}Fm(5.30 h)	425.4(0.95), 480.4(0.392), 383.2(0.0196)
• 358.32 *11*	0.015 *3*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
358.36 *4*	0.124 *24*	^{201}Au(26 m)	542.6(1.2), 517.0(0.83), 613.2(0.77)
358.384 *9*	0.221 *8*	^{135}Xe(9.14 h)	249.770(90), 608.151(2.90), 408.009(0.359)
• 358.4 *2*	0.016 *6*	^{131}I(8.02070 d)	364.489(81.7), 636.989(7.17), 284.305(6.14)
358.4 *2*	0.112 *20*	^{140}Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
358.4 *1*	0.59 *8*	^{181}Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
358.4	0.07	^{185}Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
• 358.45 *3*	0.121 *6*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
358.49 *10*	0.010 *5*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
358.50 *12*	0.58 *24*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
358.5	†27.5	^{107}Mo(3.5 s)	400.3(†100), 65.7(†>92), 384.4(†57.6)
358.5 *5*	0.11 *5*	^{107}Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
358.5 *3*	1.63 *20*	^{114}Pd(2.42 m)	232.0(4.90), 126.7(4.49), 136.7(0.90)
358.6 *2*	†18.8 *17*	^{137}Te(2.49 s)	243.3(†100), 554.0(†34), 469.1(†21)
358.6 *3*	†14.6 *17*	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 234.0(†40.0)
358.7 *2*	0.24 *7*	^{108}Tc(5.17 s)	242.25(82), 465.6(14.3), 707.81(11.4)
358.7 *5*	0.22 *7*	^{109}Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
358.7 *2*	0.087 *12*	^{133}Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
358.7	†89 *12*	^{152}Lu(0.7 s)	1531.2(†100), 312.3(†87)
358.72 *20*	0.10	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
358.75 *10*	†1.5×10^3 *3*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
358.79 *3*	13.6 *7*	^{109}Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
358.8 *3*	†7.8 *4*	^{71}Se(4.74 m)	147.50(†211), 1095.26(†43.6), 830.33(†43.2)
358.8 *2*	†39.4 *24*	^{94}Kr(0.20 s)	629.2(†100), 764.5(†71), 219.466(†67.4)
358.8 *2*	0.32 *11*	^{107}Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
358.8 *8*	0.034 *14*	^{150}Pm(2.68 h)	333.971(68), 1324.51(17.5), 1165.739(15.8)
358.80 *20*	0.41 *9*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
358.8 *1*	0.18 *4*	^{205}Po(1.66 h)	872.39(37), 1001.21(28.8), 849.83(25.5)
• 358.80 *5*	>0.007	^{249}Cf(351 y)	388.16(66), 333.37(14.6), 252.80(2.50)
• 358.86 *6*	0.0096 *12*	^{172}Tm(63.6 h)	78.7435(6.5), 1093.657(6.0), 1387.093(5.6)
358.9 *5*	0.24 *6*	^{149}Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
358.931 *15*	0.30 *3*	^{157}Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
359.0 *1*	4.1 *5*	^{225}Th(8.72 m)	321.4(23), 246.0(5.06), 305.9(4.1)
359.1 *1*	0.050 *3*	^{91}Sr(9.63 h)	1024.3(33), 749.8(23.61), 652.9(8.0)
• 359.10 *4*	0.096 *9*	^{128}Ba(2.43 d)	273.44(15), 374.99(0.309), 229.50(0.106)
359.1 *2*	0.35 *7*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
359.10 *20*	0.062 *25*	^{158}Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
359.1	0.037 *19*	^{221}Fr(4.9 m)	218.19(11.6), 410.7(0.14), 99.5(0.11)
359.12 *2*	1.47 *15*	^{67}Ge(18.9 m)	167.01(84), 1472.48(4.9), 910.92(3.1)
359.12 *10*	†0.052 *22*	^{153}Pm(5.4 m)	35.842(†100), 127.298(†75), 28.309(†34.6)
359.16 *8*	4.09	^{154}Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
359.2	0.010 *8*	^{141}Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
359.2	0.50	^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)
359.2		^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
359.23 *12*	†4.3 *16*	^{189}Au(28.7 m)	713.17(†100), 812.68(†63), 447.65(†55)
359.26 *5*	0.17 *3*	^{191}Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
359.27 *15*		^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
359.3 *5*	†0.15 *8*	^{188}Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
• 359.3 *1*	0.009 *1*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
359.31 *12*	0.11 *3*	^{184}Ta(8.7 h)	414.03(72), 252.848(43), 920.932(32.0)
359.31 *15*	4.5 *3*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
• 359.38 *7*	0.166 *9*	^{169}Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
359.4 *5*	2.8 *3*	^{129}Sb(4.40 h)	812.8(43), 914.6(20.0), 544.7(17.9)
359.4 *1*	0.24 *20*	^{138}Pr(2.12 h)	1037.8(101), 788.742(100), 302.7(80)
359.5 *2*	0.94 *13*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
• 359.57 *7*	0.00149 *12*	^{149}Pm(53.08 h)	285.95(3.1), 859.46(0.109), 590.88(0.069)
359.598 *14*	27.2 *5*	^{142}Cs(1.70 s)	1326.46(12.92), 966.89(9.0), 1175.93(4.16)
359.6 *3*	0.10 *5*	^{127}In(1.09 s)	1597.7(49), 646.1(6.2), 805.1(5.6)
359.60 *35*	†0.8 *4*	^{131}Sn(56.0 s)	1226.03(†100), 450.03(†90), 798.50(†86)
359.6 *2*	0.38 *8*	^{149}Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
359.7 *3*	30 *3*	^{112}Rh(6.8 s)	348.70(87), 560.5(49), 1098.6(39)
359.7 *3*		^{122}Ba(1.95 m)	550.7, 388.7, 231.0

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
359.72 *4*	1.66 *20*	^{86}Nb(88 s)	751.74(97.8), 914.81(78.1), 1003.24(37.4)
359.74 *4*	0.12	^{233}Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
359.80 *5*	2.70 *15*	^{83}Zr(44 s)	55.55(8), 104.97(5.70), 475.1(5.1)
359.9 *3*	0.27 *8*	^{102}Mo(11.3 m)	211.66(3.8), 148.19(3.76), 223.83(1.44)
359.9 *5*	0.24 *12*	^{124}Cs(30.8 s)	353.9(40), 914.8(4.0), 492.6(3.6)
359.9 *1*	0.75 *19*	^{149}Er(8.9 s)	1171.0(9.4), 171.5(6.5), 343.9(6.3)
• 359.90 *9*	6.0 *3*	^{191}Pt(2.9 d)	538.90(13.7), 409.44(8.0), 82.407(4.9)
359.92 *17*	1.11 *8*	^{161}Yb(4.2 m)	78.20(34), 599.88(25.9), 631.45(13.9)
360.0 *5*	0.8 *3*	^{164}Tm(5.1 m)	208.08(14.6), 314.97(10), 240.49(7.5)
360 *8*	†10	^{189}W(11.5 m)	258(†100), 417(†96), 550(†28)
360.00 *7*	0.049 *3*	^{210}Rn(2.4 h)	458.25(1.7), 648.70(0.843), 570.95(0.840)
360.052 *18*	0.153 *5*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
360.09 *7*	3.6 *3*	^{166}Lu(2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
• 360.1		^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
360.2 *4*	0.9 *3*	^{116}Cs(3.84 s)	393.5(<0.09), 524.3(76), 615.1(30.4)
360.2 *3*	0.20 *7*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
360.20 *19*	†5.7 *10*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
360.2 *3*	0.012 *3*	^{195}Hg(9.9 h)	779.80(7), 61.46(6.2), 585.13(1.99)
360.22 *5*	0.65 *4*	^{107}Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
• 360.23 *8*	0.0033 *7*	^{110}Ag(249.79 d)	657.7622(94.0), 884.685(72.2), 937.493(34.13)
360.3 *2*	3.7 *4*	^{102}Cd(5.5 m)	481.0(63), 1036.6(12.8), 505.1(9.6)
360.3 *1*	3.0 *4*	^{107}Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
360.3 *2*	1.02 *15*	^{119}Cd(2.20 m)	1025.0(24.8), 2021.3(22.6), 720.7(17.9)
360.32 *10*	0.1346 *10*	^{127}Te(9.35 h)	417.95(1.0), 202.860(0.0580), 215.17(0.0387)
360.34 *2*	0.20 *4*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
360.39 *4*	0.0566 *22*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
360.4 *5*	4.5 *9*	^{150}Tm(2.2 s)	1578.9(91), 474.5(86), 207.6(82)
360.4 *3*	0.37 *18*	^{152}Ho(49.5 s)	647.2(92), 613.8(88.4), 683.3(88)
360.4 *3*	0.145 *13*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
360.4 *3*	†4	^{223}Rn(23.2 m)	591.8(†100), 635.2(†76), 416.0(†55)
360.5 *3*	0.18 *8*	^{122}In(10.3 s)	1140.55(98), 1001.58(50.7), 1190.58(20.5)
360.5 *2*	1.0	^{145}La(24.8 s)	70.0(11), 355.8(3.8), 118.2(3.6)
360.51 *5*	0.31 *6*	^{193}Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
360.52 *20*	0.33 *4*	^{115}Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
360.52 *20*	†16.3 *11*	^{115}Ag(18.0 s)	229.08(†100), 131.52(†77), 388.9(†52)
360.54 *10*	†1.24×10^3 *14*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
360.57 *19*	0.14 *3*	^{101}Sr(118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
360.6 *4*	0.19 *4*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
360.6 *3*	0.018 *6*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
360.65 *15*	3.7 *7*	^{157}Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
• 360.66 *14*	0.50 *3*	^{105}Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
360.66 *14*	†19 *19*	^{105}Ag(7.23 m)	319.14(†63000), 306.25(†12800), 442.37(†5900)
360.66 *12*	0.20 *6*	^{132}La(4.8 h)	464.55(76), 567.14(15.7), 1909.91(9.0)
360.7 *2*		^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
360.70 *11*	20 *4*	^{181}Re(19.9 h)	365.57(56), 639.30(6.4), 953.42(3.6)
360.78 *3*	0.44 *5*	^{194}Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
360.80 *10*	108	^{73}Se(7.15 h)	67.03(78), 865.09(0.584), 510(0.296)
360.8 *1*	0.09 *4*	^{107}Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
360.8 *6*	0.04 *3*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
• 360.82 *6*		^{206}Bi(6.243 d)	803.10(99), 881.01(66.2), 516.18(40.7)
360.86 *5*	0.1148 *8*	^{126}Cs(1.64 m)	388.633(41), 491.243(5.0), 925.24(4.56)
360.87 *7*	0.81 *5*	^{80}Ge(29.5 s)	265.36(27.0), 110.4(6.5), 1564.3(4.9)
360.9 *6*	†3	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 234.0(†40.0)
360.90 *10*	†55 *10*	^{157}Yb(38.6 s)	230.92(†100), 340.7(†90), 241.7(†74)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
360.9 *3*	3.06 *16*	^{171}Re(15.2 s)	568.4(16.1), 102.0(9.7), 1066.0(8.1)
360.91 *7*	1.16 *9*	^{205}At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
360.94 *2*	0.59 *15*	^{161}Gd(3.66 m)	314.92(22.7), 102.315(13.9), 283.55(5.95)
• 360.95 *11*	0.011 *3*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
360.96 *10*	0.094 *24*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
360.98 *36*	0.19 *4*	^{137}Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
361 *1*	0.085 *17*	^{89}Nb(1.9 h)	1627.20(3.4), 1833.46(3.16), 3092.7(3.0)
361.0 *10*	†15 *17*	^{152}Pr(3.24 s)	164.2(†100), 284.9(†81.0), 72.40(†38.9)
361		^{175}Os(1.4 m)	125.0(†100), 181(†10.8), 248(†8.6)
361.0 *8*	†1.2	^{179}Os(6.5 m)	65.39(†100), 218.6(†17), 32.3(†17)
361.0 *4*	0.10 *5*	^{207}Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
361.07 *10*	†29.3 *12*	^{165}Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
361.09 *6*	0.11 *4*	^{133}I(20.8 h)	529.872(87.0), 875.329(4.51), 1298.223(2.35)
361.1 *2*	0.70 *8*	^{77}Zn(2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
361.10 *25*	0.60 *17*	^{125}Cd(0.65 s)	436.29(37), 1099.48(22.3), 2147.19(19.1)
361.1 *3*	0.09	^{142}La(91.1 m)	641.285(47), 2397.8(13.3), 2542.7(10.00)
361.1 *3*	0.48	^{145}Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)
361.11 *25*	†0.32 *3*	^{184}Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
361.12 *8*	0.72 *9*	^{187}Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
361.136 *6*	14.5 *9*	^{190}Re(3.1 m)	186.718(48.4), 557.972(28.2), 223.811(26.0)
361.136 *6*	12.1 *10*	^{190}Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
• 361.136 *6*	13.0 *4*	^{190}Ir(11.78 d)	186.718(52.4), 605.24(39.9), 518.55(34.0)
361.136 *6*	89.57 *9*	^{190}Ir(3.25 h)	616.08(93.10), 502.53(92.31), 186.718(66.3)
361.17 *27*	0.47 *10*	^{204}At(9.2 m)	684.341(95), 516.318(90), 426.253(67.5)
361.2 *1*	37 *4*	^{141}Gd(24.5 s)	351.1(89), 223.9(64), 574.9(51)
• 361.25 *5*	0.031 *9*	^{205}Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
361.27 *5*	9.9 *5*	^{201}Pb(9.33 h)	331.19(79), 945.96(7.4), 907.56(5.7)
• 361.30 *20*	0.16 *4*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
361.3 *1*	†9.4 *9*	^{153}Yb(4.2 s)	547.4(†100), 674.1(†61), 369.6(†32)
361.3 *2*	0.25 *3*	^{192}Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
361.30 *10*	0.88 *6*	^{208}Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
361.4 *3*	0.22 *7*	^{100}Cd(49.1 s)	936.55(66), 139.71(6.7), 582.5(6.3)
361.4 *2*	0.25 *5*	^{123}Cs(5.94 m)	97.3(23), 596.7(10.1), 83.3(4.1)
361.4	0.006 *3*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
361.4 *2*	0.8	^{149}Dy(0.490 s)	290.7(0.8), 786.6(0.8), 630.2(0.7)
361.4 *5*	0.30 *4*	^{175}Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
361.4 *4*	0.11 *5*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
361.4 *6*	0.34 *11*	^{199}Pb(90 m)	366.90(44.2), 353.39(9.5), 1135.04(7.8)
361.4 *2*	0.038	^{233}Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
361.5 *2*	0.13 *8*	^{105}Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
361.5 *3*	0.51 *15*	^{139}Sm(2.57 m)	273.7(37), 306.7(28.5), 596.3(8.0)
361.5 *3*		^{152}Pm(13.8 m)	229.9, 200.6, 63.51
361.5 *3*	†0.7 *3*	^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
361.55 *20*	0.242 *20*	^{163}Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
361.55 *14*	0.53 *6*	^{186}Ir(2.0 h)	137.155(27), 767.508(21.2), 630.354(18.0)
361.55 *10*	0.036 *6*	^{240}Np(7.22 m)	554.60(20.9), 597.40(11.7), 1496.9(1.33)
361.59 *10*	0.260 *18*	^{165}Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
361.6 *3*		^{107}Sn(2.90 m)	1129.2(†100), 678.5(†100), 1540.6(†30)
361.6	†0.4	^{144}Gd(4.5 m)	333.3(†100), 2432.6(†94.8), 629.5(†32.4)
361.6 *1*	†46 *5*	^{155}Yb(1.75 s)	236.2(†100), 174.9(†55), 378.0(†26)
361.6 *2*	†3.5 *3*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
361.6 *2*	†0.9 *1*	^{200}At(43 s)	665.9(†100), 611.1(†85.0), 484.5(†49.8)
361.61 *6*	0.102 *17*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
361.68 *2*	0.84 *4*	^{165}Dy(2.334 h)	94.700(3.58), 633.415(0.568), 715.328(0.534)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
361.68 *2*	0.534 *16*	^{165}Dy(1.257 m)	515.467(1.53), 153.803(0.242), 95.931(0.039)
361.7 *3*	0.20 *7*	^{121}Cs(155 s)	153.9(15.2), 239.6(7.7), 427.1(3.63)
361.7 *3*	0.16 *5*	^{121}Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
361.7 *3*	6.6 *4*	^{158}Sm(5.30 m)	189.4(15.2), 363.6(12.4), 324.5(10.6)
361.7		^{165}Dy(1.257 m)	515.467(1.53), 361.68(0.534), 153.803(0.242)
361.7 *2*	0.146 *21*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
361.76 *20*	0.033 *5*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
361.80 *20*	0.14 *3*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
361.82 *14*	0.094 *12*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
• 361.82 *6*	0.030 *9*	^{205}Bi(15.31 d)	1764.36(1.368), 703.44(31), 987.62(0.585)
• 361.84 *4*	0.296 *24*	^{193}Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
• 361.841 *12*	1.22×10^{-5} *6*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
361.85 *13*	0.188 *23*	^{135}I(6.57 h)	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
361.85 *9*	0.0121 *15*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
361.87 *17*	0.328 *25*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
361.88 *10*	3.88 *16*	^{121}Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
361.9 *3*	20 *3*	^{114}Rh(1.85 s)	332.9(56), 694.4(13), 783.0(5.6)
361.9 *3*	17.0 *20*	^{114}Rh(1.85 s)	332.9(87), 519.8(48.4), 618.7(31)
361.9 *4*	†26 *3*	^{121}La(5.3 s)	139.3(†100), 134.4(†73), 97.8(†57)
361.9 *1*	†14.8 *13*	^{123}La(17 s)	92.5(†100), 937.3(†43), 153.6(†43)
361.96 *5*	1.15 *10*	^{141}Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
361.97 *4*	0.078 *7*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
362	<0.00026	^{206}Tl(4.199 m)	803.10(0.0050)
362.01 *25*	7	^{199}Po(4.13 m)	1002.19(19), 1034.3(16), 499.61(4.3)
• 362.06 *2*	0.045 *3*	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)
362.072 *17*	0.043 *3*	^{211}Pb(36.1 m)	404.853(3.78), 832.01(3.52), 427.088(1.76)
362.1 *2*	0.106 *21*	^{63}Co(27.4 s)	87.13(48.7), 981.7(2.11), 155.6(1.60)
362.10 *20*	0.064 *16*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
362.11 *5*	0.48 *3*	^{99}Sr(0.269 s)	125.118(16.1), 536.12(14.0), 1198.12(9.2)
362.14 *4*	1.27 *5*	^{204}Po(3.53 h)	883.984(29.9), 270.068(27.8), 1016.31(24.1)
362.2 *4*	†2.1 *11*	^{71}Se(4.74 m)	147.50(†211), 1095.26(†43.6), 830.33(†43.2)
362.2 *4*	†6 *1*	^{135}Pm(49 s)	198.5(†100), 207.2(†70), 463.5(†62)
362.2	0.6	^{147}Ce(56.4 s)	268.80(7), 92.9(4.7), 374.23(3.5)
362.226 *13*	2.25 *6*	^{88}Kr(2.84 h)	2392.11(34.6), 196.301(25.98), 2195.842(13.18)
362.3 *2*	1.3 *3*	^{104}Ag(69.2 m)	555.796(92.6), 767.72(65.7), 941.7(25.0)
362.3 *2*	1.7 *3*	^{117}Ag(5.34 s)	135.4(48), 386.8(39.9), 298.1(21.1)
• 362.3 *4*	0.10 *5*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
362.30 *3*	†0.119 *15*	^{153}Pm(5.4 m)	35.842(†100), 127.298(†75), 28.309(†34.6)
• 362.3 *2*		^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
362.4 *3*	†41 *4*	^{143}Tb(12 s)	45.1(†100), 686.1(†48), 462.8(†45)
362.4 *1*	0.19 *2*	^{241}Np(13.9 m)	174.94(3.1), 132.99(0.86), 518.8(0.40)
362.42 *8*	2.33 *18*	^{139}Nd(5.50 h)	113.94(40), 737.96(35), 982.2(26.4)
362.47 *9*	17.5 *20*	^{184}Au(53.0 s)	162.97(50), 272.98(40), 777.13(6.6)
362.5 *4*	0.127 *20*	^{136}I(83.4 s)	1313.02(67), 1321.08(24.8), 2289.6(10.4)
• 362.5 *3*	0.177 *18*	^{148}Pm(41.29 d)	550.284(94.5), 629.987(89), 725.673(32.7)
• 362.5 *3*	0.026 *4*	^{148}Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
• 362.50 *30*	0.047 *16*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 362.5 *1*	0.0065 *22*	^{225}Ac(10.0 d)	99.91(1.01), 150.04(0.80), 99.63(0.62)
• 362.50 *14*	†0.31 *7*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
362.6	1.7	^{133}Pr(6.5 m)	134.3(14), 74.0(10), 315.6(10)
362.6	1.1	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
362.7 *4*	0.43 *4*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
362.7 *2*	0.025 *10*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
362.7 *3*	0.021 *5*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
362.73 *5*	2.5 *2*	^{126}In(1.64 s)	1141.11(100), 908.58(99), 111.79(88)
362.74 *15*	1.9 *3*	^{190}Pb(1.2 m)	942.20(34), 151.19(8.92), 598.3(8.0)
362.8 *3*	0.83 *14*	^{102}Zr(2.9 s)	599.60(13.9), 535.30(10.6), 64.50(8.9)
• 362.8 *2*	>0.022	^{148}Pm(5.370 d)	1465.12(22), 550.284(22.00), 914.85(11.46)
362.8 *10*	†6.8×10^{2} *15*	^{234}Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
• 362.81 *4*	2.2×10^{-6} *4*	^{85}Kr(10.756 y)	514.0067(0.43), 151.159(2.2×10^{-6}), 129.820(>4.3×10^{-7})
• 362.81 *4*	>0.0010	^{85}Sr(64.84 d)	514.0067(96), 868.5(0.0120), 151.159(0.0012)
362.84 *19*	0.21 *2*	^{164}Yb(75.8 m)	40.928(1.147), 675.41(0.38), 390.6(0.31)
362.86 *5*	0.221 *16*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
362.9 *3*	0.019 *9*	^{105}Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
362.9 *3*	0.24 *6*	^{109}Sn(18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
362.9		^{182}Hg(10.83 s)	129.3(†100), 217.7(†75), 413.5(†53)
362.91 *14*	0.0197 *11*	^{171}Er(7.516 h)	308.31(64.4), 295.901(28.9), 111.621(20.5)
362.95 *34*	0.046 *12*	^{174}Ta(1.05 h)	206.50(58), 91.00(16.0), 1205.92(4.9)
363.0 *3*	>0.13	^{108}Sn(10.30 m)	396.44(64.3), 272.75(45.5), 669.08(22.6)
363 *1*	0.43	^{129}Sb(4.40 h)	812.8(43), 914.6(20.0), 544.7(17.9)
363		^{131}Nd(27 s)	87.8(†100), 174.42(†34), 164.09(†25)
363.05 *7*	1.45 *7*	^{55}V(6.54 s)	517.71(73), 880.70(18.1), 921.10(4.6)
363.06 *7*	0.50 *6*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
363.1	†13	^{101}Rb(32 ms)	271.2(†100), 251.6(†31), 1091.8(†25)
363.1 *9*	†39.9 *8*	^{178}Ir(12 s)	266.1(†100.0), 131.6(†79), 899.7(†16.9)
363.1 *3*	†2.0 *3*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
363.1 *2*	0.0008	^{239}U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
363.2 *2*	†95	^{168}Re(4.4 s)	199.3(†100), 479.8(†62.8), 558.2(†10.6)
363.22 *26*	0.063 *9*	^{116}Te(2.49 h)	93.70(31.4), 628.63(3.22), 102.97(1.95)
363.34 *5*	0.49 *10*	^{132}I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
• 363.34 *5*	0.0683 *20*	^{132}Cs(6.479 d)	667.718(98), 630.19(0.95), 505.79(0.73)
363.4 *4*	0.35 *17*	^{154}Ho(11.76 m)	334.6(84), 412.4(15.0), 873.4(12.5)
363.46 *7*	0.089 *20*	^{130}I(12.36 h)	536.09(99), 668.54(96), 739.48(82)
363.5 *5*	0.05 *3*	^{88}Kr(2.84 h)	2392.11(34.6), 196.301(25.98), 2195.842(13.18)
• 363.5 *2*	0.0029 *5*	^{125}Sn(9.64 d)	1067.10(10), 1089.15(4.59), 822.48(4.28)
• 363.5 *9*	0.27 *5*	^{126}Sb(12.46 d)	695.03(100), 666.331(100), 414.81(83.3)
363.5 *3*	0.154 *23*	^{181}Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
363.54 *5*	17.0 *13*	^{124}In(2.4 s)	1131.64(100), 969.94(52), 1072.85(47)
363.55 *4*	11.4 *6*	^{159}Gd(18.479 h)	58.00(2.15), 348.16(0.234), 226.01(0.215)
• 363.55 *4*	0.000055 *3*	^{159}Dy(144.4 d)	58.00(2.22), 348.16(0.00095), 79.45(0.00048)
363.57 *6*	0.140 *7*	^{119}I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
363.58 *8*	23	^{96}Y(9.6 s)	1750.42(89), 915.0(60), 617.1(56)
363.58 *30*	0.092 *13*	^{165}Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
363.6 *4*	1.25 *25*	^{97}Sr(426 ms)	1905.0(25), 953.8(21.4), 652.2(11.4)
363.6 *4*	0.64 *7*	^{119}Cd(2.20 m)	1025.0(24.8), 2021.3(22.6), 720.7(17.9)
363.6 *3*	12.4 *7*	^{158}Sm(5.30 m)	189.4(15.2), 324.5(10.6), 224.1(8.5)
363.6 *4*	0.056 *10*	^{161}Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
363.61 *23*	†2.9 *6*	^{187}Hg(1.9 m)	233.38(†100), 376.34(†38), 240.26(†33)
363.64 *5*	2.7 *3*	^{174}Tm(5.4 m)	366.526(92), 992.128(87), 272.918(86)
• 363.64 *5*	0.0157 *10*	^{174}Lu(142 d)	272.918(0.550), 992.128(0.546), 176.645(0.470)
363.7 *6*	0.248 *20*	^{123}Cd(2.10 s)	371.32(51), 1052.28(24.8), 1438.13(8.3)
363.75 *7*	0.267 *25*	^{158}Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
• 363.84 *7*	0.0078 *7*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
363.87 *18*	0.22 *4*	^{133}Sb(2.5 m)	1096.22(43.0), 817.8(18.5), 2755(12.5)
363.9 *2*	0.78 *19*	^{73}Br(3.4 m)	64.9(37.0), 336.0(10.4), 699.8(9.1)
363.9 *1*	†0.45 *14*	^{160}Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
363.9 *1*	0.21 *6*	^{160}Ho(25.6 m)	728.18(46.9), 879.383(26.6), 962.317(25.6)
363.9 *3*	†0.53 *18*	^{230}Ra(93 m)	72.0(†100), 63.0(†35.4), 202.8(†27.3)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
363.9 *3*	0.041 *16*	^{230}Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
363.9 *2*	0.0110 *20*	^{247}Cf(3.11 h)	294.1(0.98), 447.8(0.55), 417.9(0.34)
363.93 *8*	0.244 *23*	^{138}Cs(33.41 m)	1435.795(76.3), 462.796(30.7), 1009.78(29.8)
363.94 *4*	0.041 *16*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
363.942 *6*	12.7 *7*	^{175}Tm(15.2 m)	514.868(65), 941.23(15), 982.45(10.2)
• 363.95 *10*	0.0061 *6*	^{115}Cd(53.46 h)	336.240(45.9), 527.900(27.45), 492.3(8.03)
363.96 *3*	4.71 *14*	^{142}Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
364 *1*	>0.00025	^{107}Cd(6.50 h)	93.124(1.45), 828.93(0.17), 796.462(0.0665)
364.0 *3*	†2.5 *12*	^{155}Nd(8.9 s)	180.574(†100), 418.99(†75), 955.08(†50)
• 364.019 *3*	0.0115 *20*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
364.10 *5*	0.24 *10*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
364.19 *14*	0.0057 *13*	^{45}Ti(184.8 m)	720.22(0.154), 1408.6(0.085), 1662.4(0.041)
364.19 *4*	1.25 *3*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
364.2 *3*	0.59 *8*	^{76}Kr(14.8 h)	315.7(39), 270.2(21.1), 45.48(19.5)
364.2 *4*	0.039 *20*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
364.2 *6*	0.0061 *11*	^{214}Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
364.3 *1*	2.5 *4*	^{105}Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
364.4 *1*	0.140 *3*	^{113}Ag(5.37 h)	298.58(10), 258.8(1.64), 316.3(1.343)
364.4 *3*	0.29 *3*	^{188}Hg(3.25 m)	66.7(63), 190.1(4.40), 82.7(2.6)
364.47 *4*	1.66 *13*	^{193}Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
• 364.489 *5*	81.7 *6*	^{131}I(8.02070 d)	636.989(7.17), 284.305(6.14), 80.185(2.62)
364.5 *1*	0.048 *11*	^{107}Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
364.5 *1*	2.5 *5*	^{129}Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
364.5	0.59 *3*	^{141}Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
364.5	1.6	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
364.52 *10*	3.6 *3*	^{174}W(31 m)	35.42(14.1), 428.83(12.7), 328.68(9.5)
• 364.55 *20*	0.025 *12*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
364.59 *18*	0.59 *5*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
364.6 *3*	3.2 *6*	^{60}Zn(2.38 m)	670.3(64), 61.4(26), 273.4(10.9)
364.60 *20*	†6.2 *9*	^{106}Mo(8.4 s)	465.70(†100), 54.00(†54), 618.60(†25)
364.6 *1*	0.035 *6*	^{145}Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
364.60 *9*	0.83 *6*	^{205}At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
364.67 *10*	0.25	^{154}Pm(1.73 m)	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
364.67 *10*	0.65	^{154}Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
364.7 *2*	0.29 *6*	^{117}Cs(8.4 s)	204.8(15.0), 29.7(9.9), 205.6(6.8)
364.70 *5*	0.220 *4*	^{126}Cs(1.64 m)	388.633(41), 491.243(5.0), 925.24(4.56)
364.7 *2*	†11 *3*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
• 364.7 *5*		^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
364.70 *7*	†1.66 *12*	^{184}Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
364.7	†2.5	^{224}Ac(2.9 h)	156.4(†100), 140.8(†55), 261.6(†28)
364.8 *8*	†40	^{91}Br(0.541 s)	262.7(†100), 803.3(†80), 185.6(†30)
364.81 *7*	0.336 *12*	^{143}Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
364.81 *25*	0.00026 *10*	^{145}Pr(5.984 h)	748.278(0.5250), 675.795(0.514), 72.500(0.261)
364.867 *14*	0.0411 *13*	^{194}Ir(19.15 h)	328.455(13.1), 293.545(2.55), 645.157(1.17)
• 364.867 *14*	1.48 *8*	^{194}Au(38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
364.88 *10*	0.90 *6*	^{89}Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
364.9 *2*	1.06 *3*	^{79}As(9.01 m)	95.73(0.85), 432.1(0.850), 879.2(0.80)
364.9 *2*	6 *3*	^{103}Zr(1.3 s)	248(100), 164.05(94), 126.30(84)
364.925 *23*	0.0099 *18*	^{183}Os(13.0 h)	381.768(89.6), 114.463(20.63), 167.844(8.81)
364.94 *7*	9.3 *3*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
• 364.98 *10*	1.57 *20*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
365.0 *6*	1.2 *4*	^{69}Ni(11.4 s)	1871.1(40.9), 679.7(39.7), 1213.0(39.3)
365.0 *7*	0.09 *3*	^{74}Ga(8.12 m)	595.847(91), 2353.46(44.5), 608.353(14.3)
365		^{138}Cs(33.41 m)	1435.795(76.3), 462.796(30.7), 1009.78(29.8)

Energy-ordered Decay γ-ray Tables from the *Table of Isotopes*

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
365.0 *3*	0.018 *6*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
365.0 *3*		^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
365.07 *17*	0.42 *5*	^{103}Tc(54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
365.1		^{99}Zr(2.1 s)	469.140(55), 546.13(48.6), 593.990(27.4)
365.1 *3*	†100 *8*	^{147}Dy(40 s)	253.4(†80), 1388.0(†60), 100.7(†60)
365.1 *1*	†2.4×10^2 *14*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
• 365.1 *2*	0.00016 *4*	^{177}Ta(56.56 h)	112.9498(7.2), 208.3664(0.94), 1057.8(0.29)
365.1 *2*	†1.70 *21*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
365.143 *16*	0.86 *5*	^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
365.162 *8*	16.9 *3*	^{131}La(59 m)	108.081(25.0), 417.783(18.0), 285.246(12.4)
365.2 *4*	0.0115 *25*	^{63}Zn(38.47 m)	669.62(8), 962.06(6.5), 1412.08(0.75)
365.2 *3*	0.288 *20*	^{99}Nb(2.6 m)	97.785(7), 253.50(3.64), 2641.3(3.64)
365.2	†100	^{193}Pb(5.8 m)	392.2(†20.7), 716.4(†6.7), 735.8(†5.1)
• 365.2 *10*		^{249}Cf(351 y)	388.16(66), 333.37(14.6), 252.80(2.50)
365.3	0.029 *13*	^{135}Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
365.31 *4*	0.71 *4*	^{100}Sr(202 ms)	963.85(22.0), 898.50(18.9), 65.46(15.2)
365.31 *4*	3.82 *14*	^{107}In(32.4 m)	204.97(47), 505.51(11.9), 320.92(10.2)
365.337 *24*	2.31 *11*	^{208}Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
365.34 *11*	0.223 *13*	^{207}At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
365.35 *11*	0.093 *15*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
365.4 *2*	1.5 *3*	^{117}Ag(5.34 s)	135.4(48), 386.8(39.9), 298.1(21.1)
365.4 *1*	19 *3*	^{198}Pb(2.40 h)	290.3(36), 173.4(18), 865.3(5.9)
• 365.450 *11*	0.086 *18*	^{110}Ag(249.79 d)	657.7622(94.0), 884.685(72.2), 937.493(34.13)
365.48 *7*	0.17 *6*	^{183}Os(9.9 h)	1101.94(49.0), 1107.92(22.36), 1034.85(6.02)
365.5 *4*	0.19 *4*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
365.5 *5*	0.023 *6*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
365.5 *4*	†10.2 *9*	^{172}W(6.6 m)	38.9(†100), 423.3(†44), 89.8(†33.0)
• 365.51 *5*	0.050 *3*	^{145}Eu(5.93 d)	893.73(66), 653.512(15.0), 1658.53(14.9)
365.57 *12*	56 *6*	^{181}Re(19.9 h)	360.70(20), 639.30(6.4), 953.42(3.6)
• 365.577 *8*	0.490 *14*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
365.6 *2*	†1.39 *12*	^{120}Cs(64 s)	322.4(†100), 473.5(†30), 553.4(†19.1)
365.6	2.50 *25*	^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)
365.6	1.5 *8*	^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)
• 365.6111 *5*	0.493 *19*	^{183}Ta(5.1 d)	246.0591(27), 353.9912(11.2), 107.9322(11.0)
• 365.6111 *5*	0.079 *4*	^{183}Re(70.0 d)	162.3219(23.3), 46.4839(7.97), 291.7238(3.05)
365.64 *6*	0.283 *22*	^{228}Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
365.66 *22*	0.16 *3*	^{121}Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
365.68 *20*	†1.0 *2*	^{182}Au(21 s)	154.76(†100), 264.33(†40.0), 855.41(†14.5)
365.7 *3*	0.108 *9*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
365.7	0.21 *6*	^{175}Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
365.7 *2*	†2.7 *6*	^{229}Ac(62.7 m)	164.522(†100), 569.1(†91), 261.92(†39)
365.71 *7*	0.042 *5*	^{168}Ho(2.99 m)	741.356(36.6), 821.164(34.5), 815.990(18.6)
• 365.747 *12*	2.476 *22*	^{166}Ho(1.20×10^3 y)	184.410(72.6), 810.276(58.08), 711.683(55.32)
• 365.79 *1*	0.00075 *12*	^{233}U(1.592×10^5 y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
365.8 *3*	3.5 *4*	^{97}Sr(426 ms)	1905.0(25), 953.8(21.4), 652.2(11.4)
365.8	0.029 *18*	^{145}Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
365.8 *4*	0.12 *6*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 365.8 *1*	0.36 *3*	^{245}Bk(4.94 d)	252.80(29.1), 380.8(2.40), 385.0(0.57)
365.82 *20*	†2.3 *6*	^{126}Cd(0.506 s)	260.09(†100), 428.11(†83.7), 688.23(†5.9)
365.86 *8*	†1.66 *15*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
365.86 *8*	†0.51 *8*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
365.9 *10*		^{76}Zn(5.7 s)	281.7, 1030.6, 831.2
365.9 *1*	0.154 *11*	^{107}Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
365.9 *2*	†92	^{153}Ho(9.3 m)	108.7(†100), 161.5(†83), 270.6(†72)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
365.9 *2*	2.0 *5*	^{153}Ho(2.0 m)	295.8(67), 637.0(5.36), 688.5(3.7)
365.93 *23*	0.06 *4*	^{162}Yb(18.87 m)	163.35(40.0), 118.70(33.6), 576.10(3.24)
365.953 *8*	1.7	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
365.97 *24*	0.103 *23*	^{101}Sr(118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
366.0 *3*	2.00 *25*	^{151}Ho(35.2 s)	527.4(63), 775.53(9.2), 209.5(5.69)
366.02 *10*	1.4	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
• 366.07 *4*	0.041 *3*	^{189}Re(24.3 h)	216.663(5.50), 219.395(4.54), 245.09(3.5)
366.1 *5*	0.14	^{101}Cd(1.2 m)	98.0(47), 1722.5(11), 1259.3(8)
366.1 *3*	1.5 *3*	^{128}Sb(9.01 h)	753.82(100), 743.22(100), 314.12(61)
366.1 *4*	0.271 *18*	^{172}Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
366.1 *2*	0.065 *12*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
366.2 *1*	12.1 *8*	^{119}Ag(2.1 s)	626.4(13), 399.1(10.9), 213.4(8.8)
366.2 *2*	2.77 *18*	^{152}Ho(49.5 s)	647.2(92), 613.8(88.4), 683.3(88)
366.2 *3*	1.07 *14*	^{154}Ho(11.76 m)	334.6(84), 412.4(15.0), 873.4(12.5)
366.2 *2*	0.22 *7*	^{159}Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
366.2 *3*	0.44 *10*	^{160}Yb(4.8 m)	173.74(42.0), 215.78(20.2), 140.35(9.3)
366.2 *14*	0.010 *6*	^{174}Ta(1.05 h)	206.50(58), 91.00(16.0), 1205.92(4.9)
366.20 *25*	0.0130 *16*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
366.25 *8*	10.73 *10*	^{156}Ho(56 m)	266.35(54.7), 137.83(51), 884.45(7.08)
366.27 *3*	4.81 *5*	^{65}Ni(2.5172 h)	1481.84(24), 1115.546(15.43), 1623.42(0.498)
366.30 *10*	0.72 *3*	^{163}Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
366.34 *14*	2.2 *3*	^{79}Sr(2.25 m)	39.41(28), 105.00(21.8), 413.8(7.6)
• 366.35 *15*	0.0242 *9*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
366.4 *3*	†2.3 *4*	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
366.4 *3*	0.66 *8*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
366.4 *2*	0.0050 *5*	^{255}Fm(20.07 h)	81.477(0.81), 58.477(0.67), 80.92(0.27)
• 366.421 *1*	1.20 *4*	^{99}Mo(65.94 h)	739.50(12.1), 181.063(6.08), 140.511(4.52)
366.5 *3*	0.26 *3*	^{118}I(13.7 m)	605.71(86.0), 545.12(10.9), 600.71(10.2)
366.5 *5*	0.300 *18*	^{147}Pr(13.4 m)	77.9921(15), 314.675(13.2), 641.380(10.0)
366.5 *2*	>1.4	^{176}Tm(1.9 m)	189.57(44.5), 1069.3(34), 381.8(21.8)
366.5 *2*	1.7 *3*	^{194}Tl(32.8 m)	636.5(99), 428.0(99), 748.9(76)
366.5 *5*	11.1 *16*	^{196}Pb(37 m)	253.1(27.0), 502.1(26.5), 191.7(11.1)
366.51 *23*	†100	^{184}Tl(11 s)	286.80(†39), 340.0(†25), 534.40(†16.8)
366.526 *5*	92 *4*	^{174}Tm(5.4 m)	992.128(87), 272.918(86), 176.645(66.2)
• 366.56 *10*	0.076 *12*	^{230}Pa(17.4 d)	314.8(0.094), 383.6(0.036), 51.72(0.026)
366.6 *1*	0.78 *9*	^{236}Pa(9.1 m)	642.35(37.0), 687.59(9.9), 1762.7(6.0)
366.634 *14*	0.541 *16*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
366.68 *7*	0.242 *19*	^{146}La(6.27 s)	258.47(64), 924.58(7.45), 702.28(6.43)
• 366.684 *24*	0.288 *11*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
366.7 *3*	0.40 *6*	^{118}I(8.5 m)	605.71(99), 600.71(92), 614.42(65)
366.7 *4*	2.3 *5*	^{186}Pt(2.0 h)	276.7(0), 611.5(6.0), 635.6(>3.8)
366.75 *1*	0.40 *3*	^{57}Mn(87.2 s)	122.0614(13.9), 14.41300(10.56), 692.03(5.50)
• 366.75 *1*	0.0013 *3*	^{57}Co(271.79 d)	122.0614(85.60), 136.4743(10.68), 14.41300(9.16)
366.8 *2*	0.086 *16*	^{96}Rb(0.199 s)	815.0(78.00), 692.0(8.0), 813.2(7.0)
366.8 *3*	0.33	^{113}Pd(93 s)	95.74(3.3), 643.7(3.0), 739.63(2.4)
366.8 *5*	0.138 *11*	^{116}Te(2.49 h)	93.70(31.4), 628.63(3.22), 102.97(1.95)
366.8 *5*	4.7	^{146}La(10.0 s)	258.47(93), 409.86(81), 514.75(31)
366.81 *3*	1.80 *13*	^{109}Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
366.84 *2*	0.0319 *3*	^{135}La(19.5 h)	480.51(1.5), 874.51(0.164), 587.83(0.1108)
366.9 *3*	0.030 *12*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
366.9 *2*	†9.3 *10*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
366.90 *6*	44.2 *22*	^{199}Pb(90 m)	353.39(9.5), 1135.04(7.8), 720.24(6.5)
366.90 *6*	7	^{199}Pb(12.2 m)	382.8, 2751.9, 2612.9
366.91 *3*	3.33 *24*	^{117}Cd(3.36 h)	1997.33(26), 1065.98(23.1), 564.397(14.7)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
366.94 *19*	75 *8*	^{94}Ru(51.8 m)	891.68(25), 524.70(1.80), 75.5(>0.08)
366.97 *20*	0.50 *25*	^{184}Au(53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
367.0 *4*	†4.0 *6*	^{113}Ru(0.80 s)	263.2(†100), 211.7(†31.0), 337.5(†27.9)
• 367.072 *5*	8.9×10^{-5} *2*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
367.1 *3*	0.40 *16*	^{130}La(8.7 m)	357.4(81.0), 550.7(25.9), 908.0(17.0)
367.1 *2*	†77 *12*	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
367.2 *1*	†2.8 *3*	^{123}La(17 s)	92.5(†100), 937.3(†43), 153.6(†43)
367.2 *1*	$\dagger6.7\times10^{2}$ *14*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
• 367.225 *2*	1.48 *18*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
367.3 *3*	0.64 *5*	^{97}Rh(46.2 m)	189.21(49), 2245.6(14), 421.55(12.7)
367.30 *20*	0.69 *20*	^{102}Nb(4.3 s)	296.611(79), 1633.10(41), 551.54(30)
367.3 *2*	0.14	^{142}La(91.1 m)	641.285(47), 2397.8(13.3), 2542.7(10.00)
367.3 *3*	1.46 *10*	^{144}La(40.8 s)	397.440(94.3), 541.20(39.2), 844.8(22.3)
367.3	0.08	^{185}Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
367.31 *20*	1.91 *14*	^{107}Rh(21.7 m)	302.77(66), 392.47(8.8), 312.21(4.8)
367.40 *3*	14.0 *3*	^{77}Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
367.40 *5*		^{131}Sn(58.4 s)	285.0, 62.9, 102.20
367.40 *5*	†7.6 *11*	^{131}Sn(56.0 s)	1226.03(†100), 450.03(†90), 798.50(†86)
367.4 *2*	4.2 *6*	^{157}Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
367.5 *2*	0.92 *23*	^{98}Y(2.0 s)	1223.0(80), 620.505(63), 647.58(53)
367.5 *2*	0.86 *11*	^{98}Y(0.548 s)	1223.0(36.0), 2941.3(16.7), 1590.9(14.7)
367.52 *4*	4.24 *20*	^{177}W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
367.54 *20*	5.2 *9*	^{103}In(65 s)	187.97(55), 720.32(13.9), 739.95(10.1)
367.55 *10*	0.37 *7*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
367.56 *3*	2.084 *20*	^{143}Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
367.6 *5*	109 *22*	^{184}Lu(20 s)	242.4(76), 481.9(65), 107.4(27)
367.60 *5*	2.5 *3*	^{207}Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
• 367.638 *2*	0.78 *13*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
367.71 *2*	1.05 *4*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
• 367.788 *4*	0.83 *17*	^{152}Eu(13.542 y)	344.281(26.58), 778.91(12.96), 411.115(2.231)
367.788 *4*	†8.5 *9*	^{152}Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
367.80 *5*	0.091 *4*	^{121}I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
367.8 *2*	3.52 *22*	^{139}Pm(4.15 m)	402.8(15), 463.1(4.1), 756.5(1.99)
367.8 *3*	0.64 *10*	^{149}Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
367.80 *20*	0.034 *8*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
367.80 *10*	8.1 *7*	^{194}Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
• 367.8 *1*	†100 *7*	^{258}Md(51.5 d)	447.9(†37), 276.8(†20.2), 71.1(†8.0)
367.9 *7*	0.11 *3*	^{101}Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
367.9 *4*	0.039 *20*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 367.929 *1*	0.050 *5*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
367.943 *10*	19	^{200}Au(48.4 m)	1225.479(10.7), 1262.950(3.12), 1570.270(0.41)
367.943 *10*	†123	^{200}Au(18.7 h)	497.77(†123), 579.298(†121), 255.87(†119)
• 367.943 *10*	87	^{200}Tl(26.1 h)	1205.717(29.9), 579.298(13.8), 828.320(10.8)
367.95 *3*	31.4 *9*	^{166}Lu(2.65 m)	228.12(77.3), 337.50(41), 102.38(25.2)
367.97 *17*	0.068 *17*	^{103}Ag(65.7 m)	118.72(31.2), 148.193(28.3), 266.86(13.3)
368.0	0.013	^{83}As(13.4 s)	734.60(43), 1113.10(14.7), 2076.70(11.9)
368.0 *3*	0.145 *22*	^{99}Pd(21.4 m)	136.00(73), 263.60(15.2), 673.38(6.9)
368.0 *3*	0.13 *4*	^{139}Nd(29.7 m)	405.12(7), 1074.2(2.5), 669.0(1.52)
368.0 *3*	0.0047	^{233}Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
368.03 *20*	†0.24 *2*	^{184}Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
368.1 *4*	†19 *2*	^{121}La(5.3 s)	139.3(†100), 134.4(†73), 97.8(†57)
• 368.15 *23*	0.0033 *13*	^{145}Eu(5.93 d)	893.73(66), 653.512(15.0), 1658.53(14.9)
368.2 *1*	†11.7 *13*	^{123}La(17 s)	92.5(†100), 937.3(†43), 153.6(†43)
368.2 *4*	0.72 *17*	^{127}Cd(0.43 s)	1235.07(8.3), 376.28(7.5), 523.60(5.15)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
368.21	2.25 *4*	^{44}K(22.13 m)	1157.031(58), 2150.76(22.7), 2518.95(9.69)
• 368.21	0.00299 *14*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
368.3 *3*	0.0108 *6*	^{81}Rb(30.5 m)	49.56(0.78), 643.6(0.115), 1194.9(0.112)
368.3 *2*	0.5 *1*	^{129}Sn(2.23 m)	645.13(100), 80.5(6.6), 913.2(5.0)
• 368.30 *20*	0.0090 *5*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
368.34 *7*	>0.32	^{204}Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
• 368.360 *12*	0.0755 *24*	^{147}Eu(24.1 d)	197.299(27), 121.220(22.9), 677.516(9.8)
368.4 *1*	†20 *2*	^{104}Nb(0.92 s)	192.2(†100), 620.2(†19.2), 836.3(†18.4)
368.4 *3*	0.29 *11*	^{139}Sm(2.57 m)	273.7(37), 306.7(28.5), 596.3(8.0)
368.44 *5*	4.05 *14*	^{77}Zn(2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
368.45 *20*	0.159 *16*	^{204}Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
• 368.48 *12*	0.047 *16*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
368.50	0.016 *8*	^{40}Cl(1.35 m)	1460.830(79), 2839.8(30.4), 2621.5(15.4)
368.5 *3*	0.16 *5*	^{74}Br(46 m)	634.78(91), 728.37(35.6), 634.26(16.4)
368.5 *5*	1.6 *5*	^{98}Y(2.0 s)	1223.0(80), 620.505(63), 647.58(53)
368.5 *5*	0.58 *7*	^{98}Y(0.548 s)	1223.0(36.0), 2941.3(16.7), 1590.9(14.7)
368.5 *2*	0.11 *6*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
• 368.5 *1*	<0.07	^{235}U(7.038×10^{8} y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
368.51 *5*	1.13 *8*	^{132}Ce(3.51 h)	182.11(77), 155.37(10.5), 216.83(4.95)
• 368.55 *5*	0.331 *13*	^{195}Hg(41.6 h)	261.75(30.9), 560.27(7), 387.87(2.15)
• 368.557 *12*	8.8×10^{-5} *2*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
• 368.59 *4*	0.040 *2*	^{237}U(6.75 d)	59.537(34.5), 208.00(21.14), 26.345(2.43)
• 368.59 *4*	$\dagger0.170\times10^{6}$ *10*	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^{9}), 33.195(†6000×10^{8})
368.6 *3*	0.140 *14*	^{63}Fe(6.1 s)	994.8(14.0), 1427.2(4.6), 1299.0(1.23)
368.6 *2*	7.0 *14*	^{132}Sb(4.10 m)	696.8(100), 973.9(100), 150.6(66)
• 368.6	0.00015	^{253}Es(20.47 d)	41.79(0.050), 389.11(0.0264), 387.1(0.00810)
368.70 *15*	4.6 *3*	^{100}Cd(49.1 s)	936.55(66), 139.71(6.7), 582.5(6.3)
368.70 *10*	0.19 *4*	^{103}Tc(54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
368.7 *2*	†6.5 *5*	^{136}Pm(107 s)	373.8(†100), 602.7(†38.4), 857.2(†23.4)
368.7 *2*	†3.5	^{136}Pm(47 s)	373.8(†100), 862.5(†28), 488.7(†22)
368.7 *2*	10.1 *9*	^{136}Pm(107 s)	373.8(15.0), 602.7(12.3), 857.2(12.72)
368.7 *4*	0.022 *8*	^{138}Cs(33.41 m)	1435.795(76.3), 462.796(30.7), 1009.78(29.8)
368.76 *6*	0.35 *2*	^{249}Cm(64.15 m)	634.31(1.5), 560.45(0.84), 621.87(0.182)
• 368.76 *6*		^{253}Es(20.47 d)	41.79(0.050), 389.11(0.0264), 387.1(0.00810)
368.8 *3*	0.13 *3*	^{100}Nb(1.5 s)	535.60(45.7), 528.24(9.1), 159.547(8.8)
• 368.8 *1*	0.0164 *25*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
368.80 *9*	0.191 *25*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
368.8 *10*	0.21 *4*	^{201}Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
• 368.8 *2*	0.008 *4*	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)
368.8 *2*	†0.8 *3*	^{225}Fr(4.0 m)	182.3(†100), 31.50(†91), 225.1(†55)
368.86 *4*	0.44 *3*	^{191}Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
368.9 *2*	0.08 *4*	^{124}Cs(30.8 s)	353.9(40), 914.8(4.0), 492.6(3.6)
368.9 *2*	0.09 *4*	^{133}Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
368.9 *2*	0.0079 *17*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
368.9 *3*	†9.4 *7*	^{195}Bi(183 s)	807.6(†100), 831.7(†100), 776.2(†95)
368.934 *2*	14.4 *8*	^{231}Ac(7.5 m)	282.471(39.0), 307.063(30.4), 221.399(16.8)
368.96 *6*	0.49 *10*	^{204}Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
369.0 *2*	†1.91 *21*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
369	0.184 *21*	^{205}At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
• 369.08 *4*	0.172 *11*	^{206}Po(8.8 d)	1032.26(32.9), 511.36(24.1), 286.410(23.8)
369.09 *12*	1.62 *22*	^{148}Ce(56 s)	269.519(17.0), 291.724(16.7), 121.169(13.2)
369.1 *5*		^{104}Nb(0.92 s)	192.2(†100), 368.4(†20), 620.2(†19.2)
369.1 *1*	0.010 *5*	^{113}Ag(5.37 h)	298.58(10), 258.8(1.64), 316.3(1.343)
369.10 *10*	0.56 *11*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 369.1	>0.0006	^{189}Ir(13.2 d)	245.09(6), 69.537(3.5), 59.053(1.20)
• 369.12 *13*	0.014 *3*	^{131}Ba(11.50 d)	496.326(47), 123.805(28.97), 216.078(19.66)
369.15 *5*		^{132}Ce(3.51 h)	182.11(77), 155.37(10.5), 216.83(4.95)
369.18 *2*	0.172 *18*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
• 369.18 *7*	0.6	^{210}Bi(3.04×10^6 y)	265.832(50), 304.896(28), 649.42(3.8)
369.23 *15*	0.74 *16*	^{125}Cd(0.65 s)	436.29(37), 1099.48(22.3), 2147.19(19.1)
369.23 *10*	0.174 *11*	^{146}Ce(13.52 m)	316.74(56), 218.23(20.8), 264.56(9.0)
369.23 *14*	0.71 *5*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
• 369.232 *5*	0.838 *21*	^{169}Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
369.26 *10*	0.21 *3*	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
369.26 *5*	0.50 *7*	^{202}Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
369.30 *10*	1.39 *8*	^{89}Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
369.3 *2*	†11.2 *8*	^{105}Nb(2.95 s)	94.8(†100), 246.9(†79), 309.9(†41.9)
369.3 *2*	0.11 *6*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
369.3	0.15 *6*	^{148}Ba(0.607 s)	56.08(29.20), 133.53(3.88), 415.78(3.59)
369.30 *10*	0.25 *13*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
369.3 *2*	†19 *4*	^{159}Lu(12.1 s)	150.51(†100), 187.5(†25)
369.33 *10*	5.59 *19*	^{121}Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
369.33 *10*	0.48 *3*	^{121}Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
369.35 *5*	0.103 *5*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 369.35 *5*	†0.41	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
369.41 *5*	0.0088 *13*	^{127}Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
369.45 *12*	0.047 *10*	^{105}Ru(4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
369.45 *8*	0.67 *6*	^{148}La(1.05 s)	158.468(55.6), 989.85(9.3), 760.30(8.6)
369.5 *1*	>0.10	^{141}Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
369.5 *1*	1.92 *10*	^{141}Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
369.5 *2*	1.62 *12*	^{141}Eu(40.0 s)	394.0(9), 384.5(5.6), 382.9(2.97)
369.5 *2*	0.30 *5*	^{141}Eu(2.7 s)	394.0(0.60), 882.9(0.54), 518.8(0.45)
369.5 *1*	1.40 *12*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
369.5 *2*	9.7 *8*	^{169}Hf(3.24 m)	492.86(84), 123.5(3.9), 68.4(1.6)
• 369.5	0.021	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)
369.50 *5*	2.47 *15*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
369.51 *8*	1.73 *5*	^{207}Po(5.80 h)	992.33(59.3), 742.64(28.2), 911.79(16.95)
369.6 *1*	†32 *3*	^{153}Yb(4.2 s)	547.4(†100), 674.1(†61), 908.8(†25)
369.669 *8*	3.16 *17*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
369.67 *8*	0.60 *4*	^{80}Ge(29.5 s)	265.36(27.0), 110.4(6.5), 1564.3(4.9)
369.7 *7*	0.31 *6*	^{74}Kr(11.50 m)	89.65(31), 203.0(18.0), 296.67(9.9)
• 369.7 *3*	0.033 *13*	^{119}Te(4.70 d)	153.59(66), 1212.73(66), 270.53(28.0)
369.77 *23*	†7.5 *15*	^{164}Tm(2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)
• 369.80 *15*	0.0260 *13*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
369.8	0.07 *3*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
369.8 *5*	†1.6 *8*	^{193}Tl(21.6 m)	324.37(†100), 1044.7(†59), 676.10(†48)
369.813 *23*	17.5 *10*	^{136}I(46.9 s)	1313.02(100), 381.359(100), 197.316(78)
369.9 *2*	0.19 *4*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
369.9 *2*	0.061 *15*	^{193}Au(17.65 h)	186.17(10.1), 255.57(6.7), 268.22(3.9)
370.0 *2*	2.0 *4*	^{130}Sb(6.3 m)	839.49(100), 793.53(86), 182.36(41)
• 370.0 *1*	17.2 *6*	^{147}Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
370.00 *20*	0.059 *10*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
370.0	0.15 *4*	^{159}Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
370.1 *1*	†1.30 *13*	^{171}Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
370.1	†<0.7	^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
370.1 *2*	†3.0 *5*	^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
370.1 *2*	0.14 *4*	^{249}Es(102.2 m)	379.5(40.4), 813.2(9.2), 375.1(3.3)
370.12 *15*	0.16 *4*	^{101}Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 370.17 *6*	0.73 *5*	^{105}Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
370.17 *6*	†69 *56*	^{105}Ag(7.23 m)	319.14(†63000), 306.25(†12800), 442.37(†5900)
370.2	0.29	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
370.28 *17*	0.82 *4*	^{86}Y(14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
370.3 *1*	>0.08	^{83}Zr(44 s)	55.55(8), 104.97(5.70), 475.1(5.1)
370.3 *2*	0.21	^{140}Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
• 370.3 *2*	0.00122 *25*	^{172}Er(49.3 h)	610.062(44.2), 407.338(42.1), 68.107(3.29)
370.3 *2*	4.5 *5*	^{190}Tl(3.7 m)	416.4(91), 625.4(82), 731.1(37)
• 370.4 *1*	0.020 *3*	^{124}Sb(60.20 d)	602.730(97.8), 1690.980(47.3), 722.786(10.76)
370.4 *2*	0.045 *7*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
370.5 *5*	0.06 *6*	^{66}Ge(2.26 h)	43.89(28.7), 381.85(28), 272.97(10.4)
• 370.5 *5*		^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
370.5 *1*	1.35 *9*	^{211}Rn(14.6 h)	674.1(45), 1362.9(32.5), 678.4(28.9)
370.509 *8*	11.0 *6*	^{157}Eu(15.18 h)	63.929(23.0), 410.723(17.5), 54.548(3.7)
370.54 *18*	†4.9 *7*	^{181}Pt(51 s)	289.29(†100), 111.97(†100), 230.15(†92)
• 370.568 *19*	0.0056 *11*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
370.6 *3*	0.42 *20*	^{100}Rh(20.8 h)	539.59(78.4), 2376.1(35.3), 1553.4(21)
370.60 *10*	0.14 *3*	^{103}Tc(54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
370.6 *1*	3.45 *25*	^{119}Ag(2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
370.6		^{136}I(46.9 s)	1686.1(†100), 1689.0(†85), 240.5(†74)
370.6 *3*	2.91 *4*	^{137}Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
370.6 *3*	0.049 *24*	^{161}Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
370.6	0.08	^{185}Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
• 370.61 *7*	8.0×10^{-6} *4*	^{115}Cd(44.6 d)	933.8(2.000), 1290.580(0.890), 484.470(0.290)
370.7 *1*	5.0 *7*	^{157}Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
370.70 *10*	0.067 *4*	^{187}Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
370.7 *7*	0.54 *6*	^{199}Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
• 370.72 *3*	0.108 *9*	^{150}Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
370.721 *25*	0.088 *14*	^{150}Pm(2.68 h)	333.971(68), 1324.51(17.5), 1165.739(15.8)
• 370.721 *25*	0.108 *9*	^{150}Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
• 370.721 *5*	0.228 *6*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
370.8 *6*	0.070 *23*	^{103}Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
370.8	0.31	^{133}Pr(6.5 m)	134.3(14), 74.0(10), 315.6(10)
370.8 *1*	0.013	^{161}Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
370.8 *3*	0.29 *4*	^{198}Tl(5.3 h)	411.8044(82), 675.8874(11), 636.4(10.1)
370.81 *13*	0.0042 *10*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
• 370.85 *5*		^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
• 370.856 *8*	0.0072 *6*	^{169}Yb(32.026 d)	63.12077(44.2), 197.95788(35.8), 177.21402(22.16)
370.9 *2*	0.29 *5*	^{122}Cs(21.0 s)	331.1(48), 512.0(3.8), 817.9(3.09)
370.9 *2*	2.3 *7*	^{122}Cs(4.5 m)	331.1(94), 497.1(79), 638.5(63)
370.9 *15*	>0.011	^{219}Rn(3.96 s)	271.23(10.8), 401.81(6.37), 130.59(0.119)
370.9 *3*	10	^{231}Np(48.8 m)	348.4(3.63), 263.8(2.84), 484.7(1.6)
370.94 *10*	0.6 *1*	^{156}Pm(26.70 s)	173.75(52.0), 1147.84(20.5), 117.42(13.8)
• 370.94 *3*	0.107 *2*	^{237}U(6.75 d)	59.537(34.5), 208.00(21.14), 26.345(2.43)
• 370.94 *3*	†5.23×10^{5} *5*	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^{9}), 33.195(†6000×10^{8})
371.0 *5*	0.65 *18*	^{136}Sm(47 s)	114.4(36), 747.7(5.4), 485.3(5.0)
371.0 *2*	8 *7*	^{192}Pb(3.5 m)	1195.4(47), 608.2(17.9), 167.5(13.6)
371.05 *13*	0.13 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
371.07 *5*	0.77 *4*	^{151}Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
371.07 *9*	0.045 *6*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
371.09 *10*	0.26 *4*	^{184}Ta(8.7 h)	414.03(72), 252.848(43), 920.932(32.0)
371.1 *2*	†4.4 *4*	^{136}Pm(107 s)	373.8(†100), 602.7(†38.4), 857.2(†23.4)
371.1 *3*	6.3 *7*	^{191}Hg(50.8 m)	252.5(57), 420.1(18.6), 578.6(17.6)
371.1 *3*	†50 *6*	^{206}Rn(5.67 m)	497.7(†100), 324.5(†96), 386.6(†61)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 371.14 *8*	0.096 *12*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
371.2 *2*	0.45 *6*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
371.260 *5*	21.6 *13*	^{190}Re(3.1 m)	186.718(48.4), 557.972(28.2), 223.811(26.0)
371.260 *5*	10.3 *6*	^{190}Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
• 371.260 *5*	23	^{190}Ir(11.78 d)	186.718(52.4), 605.24(39.9), 518.55(34.0)
371.28 *10*	0.042 *9*	^{105}Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
• 371.292 *29*	0.025 *3*	^{143}Ce(33.039 h)	293.266(42.80), 57.356(11.7), 664.571(5.69)
371.3 *3*	0.20 *7*	^{99}Ag(124 s)	264.41(65), 832.29(13.5), 805.07(12.5)
371.3		^{165}Dy(1.257 m)	515.467(1.53), 361.68(0.534), 153.803(0.242)
371.3 *2*	4.1 *7*	^{168}Ta(2.0 m)	124.0(35.6), 261.6(22.7), 751.4(7.3)
371.307 *8*	1.80 *7*	^{90}Nb(14.60 h)	1129.224(92.7), 2318.968(82.03), 141.178(66.8)
371.32 *3*	51 *3*	^{123}Cd(2.10 s)	1052.28(24.8), 1438.13(8.3), 1842.86(7.7)
371.32 *3*	0.91 *5*	^{123}Cd(1.82 s)	1165.86(25.7), 1027.45(22.6), 2102.81(12.5)
371.40 *12*	†14 *1*	^{159}Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
• 371.4		^{188}Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
371.4 *1*	11.7 *6*	^{257}Md(5.52 h)	325.1(2.5), 181.3(0.41), 388.5(0.07)
371.44 *5*	0.501 *25*	^{138}Xe(14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
371.50 *14*	0.14 *9*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
371.5 *2*	0.067 *10*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
371.6 *8*	0.18 *5*	^{101}Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
371.6 *2*	†3.2 *3*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
371.61 *10*	0.60 *4*	^{83}Se(22.3 m)	356.687(70), 510.17(43), 224.8(32.7)
371.66 *12*	0.098 *12*	^{83}Se(70.1 s)	1030.86(21.2), 356.687(18), 987.96(16.1)
371.68 *65*	0.020 *8*	^{174}Ta(1.05 h)	206.50(58), 91.00(16.0), 1205.92(4.9)
• 371.68 *2*	0.480 *14*	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)
371.7 *2*	1.1 *7*	^{122}Cs(4.5 m)	331.1(94), 497.1(79), 638.5(63)
371.70 *3*	0.90 *3*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
371.7 *3*	<0.36	^{154}Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
371.73 *10*	†62 *10*	^{163}Lu(238 s)	163.08(†100), 54.00(†88), 396.34(†63)
• 371.76 *3*	0.52 *11*	^{166}Dy(81.6 h)	82.471(14), 28.242(1.13), 54.2400(0.81)
371.8 *10*	0.16	^{121}Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
371.8 *4*	0.09 *4*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 371.8 *1*	<0.07	^{235}U(7.038×10^{8} y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
371.807 *15*	2.62 *9*	^{96}Nb(23.35 h)	778.224(96.45), 568.80(58.0), 459.88(26.62)
• 371.807 *15*	0.070 *20*	^{96}Tc(4.28 d)	778.224(100), 849.929(98), 812.581(82)
371.807 *15*	0.0026 *6*	^{96}Tc(51.5 m)	778.224(1.9), 1200.231(1.08), 480.705(0.311)
371.81 *10*		^{168}Lu(5.5 m)	1483.65(†100), 228.58(†97), 111.8(†68)
371.81 *10*		^{168}Lu(6.7 m)	198.82(28), 979.22(20), 896.12(15)
371.82 *10*	3.31 *16*	^{121}Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
371.9 *3*	0.051 *16*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
371.9	1.4 *3*	^{145}Tb(29.5 s)	257.8(39), 987.8(37), 537.0(23)
• 371.90 *15*	0.0305 *18*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
• 371.918 *2*	30.60 *9*	^{129}Cs(32.06 h)	411.490(22.31), 548.945(3.40), 39.578(2.97)
371.93 *8*	†20.8 *5*	^{196}Bi(240 s)	1049.21(†21.1), 689.00(†19.2), 59.23(†14.4)
371.96 *9*	0.257 *10*	^{171}Er(7.516 h)	308.31(64.4), 295.901(28.9), 111.621(20.5)
372.0 *5*	0.28 *14*	^{102}Zr(2.9 s)	599.60(13.9), 535.30(10.6), 64.50(8.9)
372.0 *2*	2.7 *9*	^{140}Gd(15.8 s)	174.8(76), 749.9(70), 379.0(38)
372.00 *13*	0.012 *3*	^{159}Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
372	†20	^{174}Os(44 s)	118(†100), 325(†43), 302(†26)
372.0 *5*	†0.39 *13*	^{180}Au(8.1 s)	153.3(†100), 524.3(†29), 257.6(†26)
372.0 *2*	1.52 *19*	^{231}Ac(7.5 m)	282.471(39.0), 307.063(30.4), 221.399(16.8)
372.0 *1*	1.22 *8*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
372.05 *15*	0.010 *5*	^{133}I(20.8 h)	529.872(87.0), 875.329(4.51), 1298.223(2.35)
372.06 *5*	0.63 *3*	^{224}Fr(3.30 m)	215.985(33.1), 131.613(16.3), 836.90(9.8)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
372.081 *14*	0.171 *4*	^{125}Xe(16.9 h)	188.418(54), 243.378(30.1), 54.968(6.81)
372.1	0.19	^{83}As(13.4 s)	734.60(43), 1113.10(14.7), 2076.70(11.9)
372.1 *2*	†17.0 *9*	^{110}Tc(0.92 s)	240.67(†100), 613.0(†16.0), 619.2(†14)
372.1	25.3	^{149}Ho(58 s)	1034.6(99.7), 1736.4(28.0), 1754.0(19.0)
372.1 *1*	0.26 *3*	^{157}Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
372.1 *2*	†1.6 *3*	^{171}Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
372.1	†2.4 *4*	^{178}Ir(12 s)	266.1(†100.0), 131.6(†79), 363.1(†39.9)
372.20 *10*	2.09 *23*	^{115}Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
372.2 *4*	0.0045 *9*	^{251}Fm(5.30 h)	425.4(0.95), 480.4(0.392), 358.3(0.315)
372.3 *3*	0.12 *3*	^{92}Kr(1.840 s)	142.307(64), 1218.6(60), 812.6(14.6)
372.3 *1*	1.55 *14*	^{119}Ag(2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
372.3 *3*	0.6 *2*	^{129}Sn(2.23 m)	645.13(100), 80.5(6.6), 913.2(5.0)
372.3 *10*	0.103 *22*	^{201}Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
372.31 *19*	0.424 *21*	^{111}Sn(35.3 m)	1152.98(2.7), 1914.70(1.99), 761.97(1.48)
372.4 *3*	0.138 *12*	^{147}Pr(13.4 m)	77.9921(15), 314.675(13.2), 641.380(10.0)
372.4 *2*	9.1 *18*	^{150}Tm(2.2 s)	1578.9(91), 474.5(86), 207.6(82)
372.40 *4*	0.0117 *8*	^{166}Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
372.4 *1*	0.16 *3*	^{223}Ac(2.10 m)	98.58(0.891), 191.3(0.58), 83.55(0.57)
372.46 *8*	0.284 *25*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
372.5		^{115}Ag(18.0 s)	229.08(†100), 131.52(†77), 388.9(†52)
372.5 *1*	0.99 *14*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
• 372.507 *12*	2.66 *5*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
372.57 *20*	0.0069 *16*	^{228}Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
372.6 *1*	†15.3 *16*	^{137}Te(2.49 s)	243.3(†100), 554.0(†34), 469.1(†21)
372.6 *2*	1.05 *11*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
372.6	†2.9 *4*	^{178}Ir(12 s)	266.1(†100.0), 131.6(†79), 363.1(†39.9)
372.70 *20*	†100	^{112}Te(2.0 m)	296.20(†86), 418.9(†57), 350.9(†36)
372.7 *3*	†18.3 *18*	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
• 372.728 *25*	0.239 *9*	^{150}Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
372.75 *10*		^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
372.760	87	^{43}K(22.3 h)	617.490(79.2), 396.861(11.85), 593.390(11.26)
372.760	23	^{43}Sc(3.891 h)	1931.3(0.0151), 1558.5(0.0084), 593.390(0.0022)
372.77 *12*	0.19 *4*	^{162}Yb(18.87 m)	163.35(40.0), 118.70(33.6), 576.10(3.24)
372.8 *1*	2.33 *21*	^{135}Nd(12.4 m)	204.02(52), 41.43(23), 441.2(14.9)
• 372.8 *4*		^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
372.9 *1*	†41 *4*	^{84}Zr(25.9 m)	112.5(†100), 44.9(†48), 666.7(†39)
372.92 *10*	4.0	^{115}Pd(25 s)	342.71(8), 303.87(7), 396.56(6)
372.97 *10*	†12.8 *6*	^{165}Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
373 *2*	1.3	^{70}As(52.6 m)	1039.20(81), 1114.1(21.8), 668.3(21.8)
373.00 *10*	4.20 *21*	^{160}Yb(4.8 m)	173.74(42.0), 215.78(20.2), 140.35(9.3)
• 373		^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
373	†<6	^{238}Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
373.050 *5*	2.15 *5*	^{61}Cu(3.333 h)	282.956(12.2), 656.008(10.77), 67.412(4.23)
373.1 *4*	0.68 *15*	^{113}Rh(2.72 s)	189.7(17.0), 409.3(15.9), 219.6(3.88)
373.122 *61*	0.071 *16*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
373.13 *10*	0.015 *3*	^{135}Xe(9.14 h)	249.770(90), 608.151(2.90), 408.009(0.359)
373.14 *8*	0.41 *5*	^{207}At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
373.2 *3*	2.0 *4*	^{151}Pr(18.90 s)	880.19(13), 189.057(11.8), 484.501(11.3)
373.20 *15*	0.45 *6*	^{208}At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
373.24 *5*	0.60 *4*	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
• 373.246 *11*	14.04 *19*	^{131}Ba(11.50 d)	496.326(47), 123.805(28.97), 216.078(19.66)
373.26 *4*	0.40 *4*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
373.30 *14*	1.654 *19*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
373.3 *5*	†2.7 *11*	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 234.0(†40.0)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 373.3	0.049	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)
373.3 *4*	†62 *31*	^{232}Ra(250 s)	470.9(†100), 97.7(†80), 478.5(†69)
• 373.36 *15*	0.012 *12*	^{129}Cs(32.06 h)	371.918(30.60), 411.490(22.31), 548.945(3.40)
373.36 *5*	0.0207 *12*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
373.37 *15*	6.3 *5*	^{163}Gd(68 s)	287.79(25), 214.0(11.5), 1562.1(9.0)
373.39 *4*	0.262 *15*	^{194}Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
373.39 *15*	1.0 *3*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
373.4 *5*	†0.9 *4*	^{142}Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
373.4	0.96 *10*	^{150}Pr(6.19 s)	130.2(32), 722.5(7.0), 852.7(6.1)
373.40 *20*	0.55 *14*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
373.5 *5*	0.014 *3*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
373.5 *3*	†0.25 *8*	^{188}Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
373.52 *2*	0.02	^{239}U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
373.57	0.030 *15*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
373.57 *11*	0.090 *18*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
373.6 *7*	0.31 *9*	^{74}Kr(11.50 m)	89.65(31), 203.0(18.0), 296.67(9.9)
373.6 *3*		^{159}Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
373.6	1.64 *29*	^{173}Re(1.98 m)	181.5(6.4), 190.7(1.71)
• 373.68 *4*	0.062 *3*	^{145}Eu(5.93 d)	893.73(66), 653.512(15.0), 1658.53(14.9)
373.68 *8*	0.21 *3*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
373.7 *3*	0.24 *6*	^{109}Sn(18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
• 373.7 *3*		^{171}Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
373.75 *17*	0.041 *10*	^{115}Sb(32.1 m)	497.358(98), 489.27(1.3), 1236.52(0.58)
373.77 *5*	0.58 *11*	^{108}In(58.0 m)	875.46(100), 632.96(100), 242.84(41)
373.80 *7*	91 *10*	^{110}Rh(28.5 s)	546.90(42.4), 687.70(25.8), 838.22(25)
373.80 *7*	54 *5*	^{110}Rh(3.2 s)	439.79(6.5), 796.83(5.3), 813.56(2.3)
373.80 *7*	†<0.02	^{110}Ag(24.6 s)	
373.8 *3*	0.37 *7*	^{121}Cs(155 s)	153.9(15.2), 239.6(7.7), 427.1(3.63)
373.8 *2*	†100 *2*	^{136}Pm(107 s)	602.7(†38.4), 857.2(†23.4), 862.5(†19.0)
373.8 *2*	†100	^{136}Pm(47 s)	862.5(†28), 488.7(†22), 602.7(†17)
373.8 *2*	15.0 *4*	^{136}Pm(107 s)	602.7(12.3), 857.2(12.72), 814.7(30.9)
373.8	0.27	^{190}Hg(20.0 m)	142.6(68), 171.5(4.8), 154.7(2.5)
• 373.837 *12*	0.0853 *25*	^{71}As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
373.87 *10*	0.54 *6*	^{140}Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
373.881 *6*	1.8	^{182}Hf(61.5 m)	942.80(18.8), 799.64(9.4), 114.3152(6.2)
373.9 *2*	0.36 *6*	^{101}Zr(2.1 s)	119.3(10.8), 205.6(6.0), 912.2(3.48)
373.91 *5*	0.0025 *8*	^{187}W(23.72 h)	685.774(27.3), 479.531(21.8), 72.001(11.14)
373.93 *3*	0.448 *11*	^{69}As(15.2 m)	232.69(11), 145.95(4.96), 86.78(3.44)
373.96 *16*	0.54 *10*	^{164}Lu(3.14 m)	123.3(34.0), 740.52(12.2), 262.22(10.8)
374.00 *10*	5.30 *21*	^{123}Ag(0.309 s)	263.87(35.9), 409.79(13.2), 591.30(8.2)
374.0 *2*		^{190}Bi(6.2 s)	
374.0 *1*	†7.0 *1*	^{200}At(43 s)	665.9(†100), 611.1(†85.0), 484.5(†49.8)
374.07 *10*	†6.7 *13*	^{168}Lu(5.5 m)	1483.65(†100), 228.58(†97), 111.8(†68)
374.1 *2*	0.26 *5*	^{117}Cs(8.4 s)	204.8(15.0), 29.7(9.9), 205.6(6.8)
374.1 *4*	0.4 *2*	^{129}Sn(2.23 m)	645.13(100), 80.5(6.6), 913.2(5.0)
374.13 *9*	0.0082 *12*	^{133}La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
374.150 *20*	0.166 *22*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
374.15 *7*	0.285 *25*	^{158}Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
• 374.2 *2*	0.022 *5*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
374.2 *2*	†7	^{256}Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
374.23 *6*	3.5	^{147}Ce(56.4 s)	268.80(7), 92.9(4.7), 452.1(3.3)
374.28 *5*	3.0 *4*	^{107}Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
374.3 *2*	0.025 *2*	^{113}Ag(5.37 h)	298.58(10), 258.8(1.64), 316.3(1.343)
374.3 *1*	†2.35 *22*	^{123}La(17 s)	92.5(†100), 937.3(†43), 153.6(†43)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
374.3 *3*	62 *7*	^{132}In(0.201 s)	4040.8(61), 299.2(49), 2379.7(29)
374.4	0.42	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
• 374.43 *5*	0.050 *9*	^{156}Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
374.46 *13*	0.27 *3*	^{106}Rh(131 m)	511.842(85), 1045.83(30.4), 717.24(28.9)
• 374.46 *13*	0.26 *4*	^{106}Ag(8.28 d)	511.842(88), 1045.83(29.6), 717.24(28.9)
374.46 *2*	0.0184 *6*	^{135}La(19.5 h)	480.51(1.5), 874.51(0.164), 587.83(0.1108)
374.47 *5*	3.17 *22*	^{115}Te(5.8 m)	723.569(30), 1380.58(23.0), 1326.83(22.7)
• 374.4852 *8*	0.721 *5*	^{192}Ir(73.831 d)	205.79549(3.300), 484.5780(3.184), 201.3112(0.472)
374.5 *2*	0.148 *23*	^{96}Rb(0.199 s)	815.0(78.00), 692.0(8.0), 813.2(7.0)
374.53 *14*	0.37 *4*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
• 374.55 *20*	0.0045 *5*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
374.58 *22*	†7.6 *9*	^{193}Tl(21.6 m)	324.37(†100), 1044.7(†59), 676.10(†48)
374.6 *2*	†0.4 *2*	^{101}Nb(7.1 s)	276.10(†100), 157.466(†32), 13.5(†32)
374.6 *2*	0.006 *4*	^{101}Pd(8.47 h)	296.29(19), 590.44(12.06), 269.67(6.43)
374.6 *1*	0.087 *18*	^{157}Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
• 374.7 *2*	0.0029 *3*	^{111}Ag(7.45 d)	342.118(7), 245.422(1.24), 96.73(0.20)
374.7 *2*	0.030	^{111}Ag(64.8 s)	245.422(0.50), 620.3(0.121), 171.28(0.12)
374.7 *3*	†12.0 *25*	^{159}Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
374.70 *14*	0.19 *5*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
374.72 *7*	82 *4*	^{204}Bi(11.22 h)	899.15(98), 984.02(59), 911.78(13.5)
374.77	0.19 *5*	^{44}K(22.13 m)	1157.031(58), 2150.76(22.7), 2518.95(9.69)
• 374.79 *20*	†0.09 *3*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
374.8 *1*	2.22 *22*	^{73}Br(3.4 m)	64.9(37.0), 336.0(10.4), 699.8(9.1)
• 374.8 *7*	0.00246 *23*	^{75}Se(119.779 d)	264.6584(58.50), 136.0008(58.3), 279.5441(24.79)
374.8	0.7	^{83}Zr(44 s)	55.55(8), 104.97(5.70), 475.1(5.1)
374.8 *2*	0.059 *10*	^{223}Ac(2.10 m)	98.58(0.891), 191.3(0.58), 83.55(0.57)
374.9 *2*	0.0051 *6*	^{96}Tc(51.5 m)	778.224(1.9), 1200.231(1.08), 480.705(0.311)
374.9 *1*	0.74 *16*	^{107}Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
374.90 *15*	1.7 *3*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
• 374.93 *1*	0.0049 *7*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
• 374.99 *2*	0.309 *15*	^{128}Ba(2.43 d)	273.44(15), 229.50(0.106), 359.10(0.096)
374.991 *12*	0.00030 *20*	^{127}Te(9.35 h)	417.95(1.0), 360.32(0.1346), 202.860(0.0580)
• 374.991 *12*	17.2 *6*	^{127}Xe(36.4 d)	202.860(68), 172.132(25.5), 145.252(4.29)
375.0 *2*	0.68 *15*	^{148}Ce(56 s)	269.519(17.0), 291.724(16.7), 121.169(13.2)
375.0 *2*	0.13 *3*	^{159}Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
375 *1*	0.012	^{175}Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
375.0 *2*	†87 *15*	^{180}Yb(2.4 m)	172.9(†100), 419.8(†56), 339.2(†44)
375		^{217}At(32.3 ms)	258.5(0.056), 593.1(0.0120), 334
375.0	†<6	^{238}Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
375.045 *6*		^{235}Pa(24.5 m)	652.053, 659.3, 645.896
• 375.045 *6*	0.001554 *9*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
375.06 *8*	1.95	^{154}Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
375.09 *12*	0.46 *5*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
375.1 *1*	3.3 *3*	^{249}Es(102.2 m)	379.5(40.4), 813.2(9.2), 1218.5(1.5)
375.2 *2*	4.4 *3*	^{97}Y(1.17 s)	1103.0(92.6), 161.4(71.8), 1091(56)
375.20 *20*	0.030 *10*	^{114}Sb(3.49 m)	1299.90(99), 887.60(17.4), 327.18(7.0)
• 375.2 *5*	0.0020 *6*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
375.2 *2*	†16 *2*	^{181}Ir(4.90 m)	107.64(†100), 1639.6(†52), 318.9(†46)
375.2 *2*	†0.87 *6*	^{192}Tl(9.6 m)	422.8(†100), 634.8(†75.9), 786.3(†31.7)
• 375.2 *1*	0.0033 *11*	^{225}Ac(10.0 d)	99.91(1.01), 150.04(0.80), 99.63(0.62)
375.2 *10*	0.009 *4*	^{230}Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
• 375.2 *10*	0.033 *11*	^{230}Pa(17.4 d)	951.95(1.65), 918.48(8.2), 454.95(6.27)
• 375.2 *10*	0.011	^{230}Pa(17.4 d)	951.95(1.65), 918.48(8.2), 454.95(6.27)
375.35 *5*	0.453 *6*	^{127}Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
375.4 *1*	0.28 *3*	^{142}Gd(70.2 s)	750.2(11.2), 178.90(11.20), 284.4(6.16)
375.4 *5*	0.36	^{203}Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
375.45 *8*	0.100 *18*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
• 375.45 *4*	0.679 *8*	^{233}Pa(26.967 d)	312.17(38.6), 300.34(6.62), 340.81(4.47)
375.48 *10*	12.8 *10*	^{197}Pb(8 m)	385.85(50), 761.14(13.3), 1261.23(8.3)
375.5 *4*	0.036 *9*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
375.5 *4*	0.23 *7*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
375.5 *3*	†16 *3*	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
375.5 *2*	0.80 *16*	^{196}Bi(308 s)	1049.21(87), 689.00(35.5), 776.6(9.1)
375.63 *15*	†2.2 *4*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
375.65 *13*	0.101 *11*	^{146}Ce(13.52 m)	316.74(56), 218.23(20.8), 264.56(9.0)
• 375.70 *8*	0.0074 *25*	^{71}As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
375.7	†40	^{163}Ta(10.6 s)	396.0(†100), 451.1(†70), 448.7(†60)
375.74 *4*	0.0035 *8*	^{187}W(23.72 h)	685.774(27.3), 479.531(21.8), 72.001(11.14)
375.80 *20*	0.50 *6*	^{91}Tc(3.14 m)	2450.90(13.5), 1639.90(9.2), 1605.20(7.77)
• 375.8 *3*	0.015 *5*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
375.8 *1*	2.4 *4*	^{160}Tm(74.5 s)	264.1(9), 125.8(6.5), 738.7(1.08)
375.8 *2*	0.64 *7*	^{230}Fr(19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)
375.8 *2*	†0.27 *9*	^{230}Ra(93 m)	72.0(†100), 63.0(†35.4), 202.8(†27.3)
375.8 *1*	0.363 *20*	^{251}Fm(5.30 h)	880.8(2.19), 453.1(1.45), 405.6(0.99)
375.83 *7*	0.091 *20*	^{183}Hf(1.067 h)	783.754(66), 73.174(38), 459.069(27)
375.87 *5*	0.154 *13*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
375.9 *2*	0.0068 *16*	^{167}Yb(17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
375.9 *6*	†2.7 *6*	^{198}Tl(1.87 h)	636.4(†202), 411.8044(†202), 587.2(†185)
375.91 *7*	0.045 *3*	^{139}Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
376.0 *2*	4.7 *5*	^{104}Mo(60 s)	68.8(55), 69.7(17.8), 36.3(14)
376.0 *2*	0.63 *20*	^{105}Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
376.0 *3*	0.10 *5*	^{127}In(1.09 s)	1597.7(49), 646.1(6.2), 805.1(5.6)
• 376.0 *5*	0.187 *10*	^{147}Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
• 376.0 *3*	0.012 *4*	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)
376.07 *3*	0.54 *3*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
376.1 *2*	0.09	^{109}Sn(18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
376.1 *5*	0.57 *8*	^{148}Ho(9.59 s)	1687.5(82.47), 660.8(58.94), 504.3(18.62)
• 376.10 *25*		^{171}Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
376.13 *10*	0.016 *3*	^{125}Xe(16.9 h)	188.418(54), 243.378(30.1), 54.968(6.81)
376.2 *1*	0.071 *7*	^{247}Cf(3.11 h)	294.1(0.98), 447.8(0.55), 417.9(0.34)
376.28 *10*	7.5 *4*	^{127}Cd(0.43 s)	1235.07(8.3), 523.60(5.15), 1067.0(5.1)
376.3 *2*	†0.75 *8*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
• 376.3 *1*		^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
376.3 *4*	0.64 *3*	^{231}Np(48.8 m)	370.9(10), 348.4(3.63), 263.8(2.84)
376.34 *12*	†38 *8*	^{187}Hg(1.9 m)	233.38(†100), 240.26(†33), 103.55(†32)
376.35 *10*	7.0 *9*	^{190}Pb(1.2 m)	942.20(34), 151.19(8.92), 598.3(8.0)
376.36 *11*	0.36 *3*	^{187}Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
376.446 *21*	0.63 *14*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
376.47 *11*		^{187}Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
376.5 *5*	0.13 *4*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
• 376.5 *2*	0.00003 *2*	^{149}Eu(93.1 d)	327.526(4.03), 277.089(3.56), 22.510(2.32)
376.5 *3*	0.53 *4*	^{158}Sm(5.30 m)	189.4(15.2), 363.6(12.4), 324.5(10.6)
376.5 *2*	†1.70 *21*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
376.54 *3*	0.42 *3*	^{191}Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
376.6 *3*	0.24 *9*	^{76}Rb(39.1 s)	2571.3(47), 424.0(43.4), 355.6(8.2)
376.6 *2*	0.117 *24*	^{161}Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
376.6 *6*	>0.0050	^{214}Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
376.65 *8*	9.43 *9*	^{70}Se(41.1 m)	49.51(35.8), 426.15(29), 202.73(4.89)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 376.65 *3*	†0.383×10^6 *10*	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^9), 33.195(†6000×10^8)
376.657 *15*	91	^{140}I(0.86 s)	457.630(59), 936.7(16), 564.4(11)
376.676 *3*	3.2 *3*	^{245}Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
376.69 *6*	0.444 *25*	^{111}Pd(23.4 m)	580.00(0.8), 70.44(0.78), 1459.0(0.56)
376.69 *6*	0.88 *12*	^{111}Pd(5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)
376.7 *3*	†20.5 *21*	^{109}Tc(0.87 s)	194.6(†100), 128.7(†51), 96.2(†48)
376.7 *3*	0.9	^{133}Ce(97 m)	97.261(<0.22), 76.9(15.8), 557.7(11.3)
376.70 *11*	0.29 *3*	^{157}Sm(482 s)	197.870(56.00), 196.461(16.8), 394.351(11.93)
376.70 *15*	†0.51 *9*	^{188}Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
376.71 *9*	0.153 *20*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
376.75 *10*	0.9 *1*	^{156}Pm(26.70 s)	173.75(52.0), 1147.84(20.5), 117.42(13.8)
376.799 *6*	0.005 *3*	^{200}Au(48.4 m)	367.943(19), 1225.479(10.7), 1262.950(3.12)
376.8 *1*	0.22 *6*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
376.8 *1*	22 *2*	^{164}Ta(14.2 s)	211.05(74), 605.0(14), 862.0(10.0)
376.8 *3*	0.13 *4*	^{181}Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
376.8 *5*	0.20 *4*	^{198}Tl(5.3 h)	411.8044(82), 675.8874(11), 636.4(10.1)
• 376.8 *4*	†1.7 *7*	^{258}Md(51.5 d)	367.8(†100), 447.9(†37), 276.8(†20.2)
• 376.869 *5*	0.00061 *6*	^{161}Tb(6.88 d)	25.65150(23.2), 48.91562(17.0), 74.56711(10.2)
376.869 *5*		^{161}Ho(2.48 h)	25.65150(27), 103.062(3.9), 77.414(1.91)
376.90 *20*	0.11 *6*	^{106}Tc(35.6 s)	270.07(56), 2239.30(13.6), 1969.40(8.9)
376.9	0.008 *4*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
• 376.9 *3*	0.016 *5*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
376.96 *7*	0.348 *24*	^{100}Sr(202 ms)	963.85(22.0), 898.50(18.9), 65.46(15.2)
376.97 *15*	†0.28 *3*	^{184}Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
377.0 *7*	0.15 *7*	^{103}Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
377.0 *3*	†<0.5	^{111}Rh(11 s)	275.4(†100.0), 411.8(†9.42), 230.0(†8.9)
377.0 *6*	0.056 *11*	^{112}Sb(51.4 s)	1257.05(96), 990.70(14.3), 670.0(3.7)
377.0 *4*	0.90 *18*	^{136}Sm(47 s)	114.4(36), 747.7(5.4), 485.3(5.0)
377.0 *2*	1.3	^{145}La(24.8 s)	70.0(11), 355.8(3.8), 118.2(3.6)
377	†0.8	^{224}Ac(2.9 h)	156.4(†100), 140.8(†55), 261.6(†28)
377.0 *3*	1.25 *10*	^{232}Np(14.7 m)	327.3(52), 819.187(33.3), 866.760(24.4)
377.0 *3*	0.038	^{233}Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
377	†<6	^{238}Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
• 377 *2*	0.015 *2*	^{254}Es(275.7 d)	63.0(2.0), 316(0.15), 304(0.07)
377.03 *7*	0.77 *5*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
377.04 *10*	5.0 *4*	^{174}W(31 m)	35.42(14.1), 428.83(12.7), 328.68(9.5)
377.1		^{107}Sn(2.90 m)	1129.2(†100), 678.5(†100), 1540.6(†30)
377.1 *2*	0.49 *6*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
377.1 *1*		^{171}Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
377.10 *3*	0.51 *7*	^{193}Au(17.65 h)	186.17(10.1), 255.57(6.7), 268.22(3.9)
377.12 *20*	0.051 *7*	^{187}Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
377.2 *2*	†3.5 *8*	^{132}Pr(1.6 m)	325.5(†100), 496.9(†25), 822.4(†17.3)
377.2 *2*	0.0027 *10*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
377.22 *17*	0.19 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
377.25 *17*	†1.9 *5*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
377.35 *5*	4.65 *20*	^{177}W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
377.36 *6*	1.46 *9*	^{93}Sr(7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
377.385 *4*	3.93 *4*	^{75}Br(96.7 m)	286.572(88), 141.3147(6.6), 427.883(4.4)
• 377.4 *2*		^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
377.4 *4*	0.37 *8*	^{166}Lu(2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
377.4 *3*	0.33 *9*	^{183}Os(13.0 h)	381.768(89.6), 114.463(20.63), 167.844(8.81)
• 377.4 *3*	0.122 *15*	^{252}Es(471.7 d)	52.33(0.55), 64.42(0.274), 418.5(0.220)
• 377.44 *9*	0.071 *8*	^{193}Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
377.5 *1*	1.18 *6*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
377.5	1.0 *5*	^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)
377.5 *2*	†3.5 *3*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
377.5 *3*	†6 *3*	^{194}Bi(106 s)	1308.3(†100), 671.8(†55), 965.4(†41)
377.5 *3*	†0.021 *10*	^{194}Bi(92 s)	965.4(†100.0), 575.1(†98.0), 280.1(†73.7)
377.5 *2*	0.049 *11*	^{228}Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
• 377.540 *8*	3.35 *6*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
• 377.560 *20*	0.16 *4*	^{148}Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
377.6 *3*	1.11 *19*	^{117}Ag(5.34 s)	135.4(48), 386.8(39.9), 298.1(21.1)
377.6 *2*	0.100 *25*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
377.6 *5*	4.0 *11*	^{166}Hf(6.77 m)	78.76(41), 341.82(4.7), 407.91(4.5)
377.7 *1*	†14 *5*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
377.7 *2*	0.210 *21*	^{185}Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
377.71 *6*	0.0008	^{173}Hf(23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
377.72 *5*	0.049 *3*	^{155}Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
• 377.728 *27*	0.113 *8*	^{150}Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
377.73 *9*	0.061 *13*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
377.738 *5*	1.68 *4*	^{52}Fe(8.275 h)	168.684(99.2), 1039.902
377.77 *30*	0.032	^{137}I(24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
377.77 *24*	†3.0 *15*	^{164}Tm(2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)
• 377.8 *3*	>0.051	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
377.8	0.07	^{147}Ce(56.4 s)	268.80(7), 92.9(4.7), 374.23(3.5)
377.83 *2*	0.276 *12*	^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
377.84 *5*	6.9 *6*	^{75}Zn(10.2 s)	228.67(28.9), 432.29(20.2), 155.94(17.2)
377.88 *9*	42	^{53}Fe(8.51 m)	1619.9(0.50), 2273.5(0.38), 2748.8(0.14)
377.9 *5*	0.16 *4*	^{101}Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
377.9 *5*	0.98 *20*	^{104}In(1.8 m)	658.0(100), 834.1(99), 878.1(29.4)
377.9 *2*	†10	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
377.9 *2*	0.69 *14*	^{207}Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
377.919 *24*	0.41 *3*	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
377.92 *2*	0.027 *10*	^{200}Pb(21.5 h)	147.63(37.7), 257.17(4.46), 235.63(4.30)
377.99 *10*	0.025 *3*	^{228}Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
378.0 *1*	0.46 *5*	^{107}Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
378.00 *10*	0.044 *10*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
378.0 *2*	†26 *6*	^{155}Yb(1.75 s)	236.2(†100), 174.9(†55), 361.6(†46)
378.0 *3*	0.16	^{170}Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
378.0 *4*	0.033 *16*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 378	0.0016 *4*	^{193}Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
378.02 *10*	0.10 *3*	^{103}Tc(54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
378.05 *14*	†7.6 *10*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
• 378.05 *13*	0.0033 *6*	^{238}Np(2.117 d)	984.45(27.8), 1028.54(20.3), 1025.87(9.6)
378.07 *2*	0.011	^{239}U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
378.129 *9*	0.9 *3*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
378.191 *5*	1.24 *11*	^{109}Rh(80 s)	326.868(54), 426.135(7.7), 178.034(7.6)
378.3 *4*	0.29	^{203}Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
378.32 *5*	†38	^{197}Ir(5.8 m)	469.72(†100), 430.56(†61), 815.92(†45)
378.40 *5*	0.399 *17*	^{119}I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
378.4 *1*		^{172}Ir(4.4 s)	475.0, 227.8
378.4 *1*	†62.0 *13*	^{172}Ir(2.0 s)	227.8(†100.0), 448.4(†40.5), 582.3(†20.2)
378.4 *2*	0.0023 *3*	^{255}Fm(20.07 h)	81.477(0.81), 58.477(0.67), 80.92(0.27)
• 378.402 *7*	0.060 *5*	^{77}Br(57.036 h)	238.996(23), 520.639(22.4), 297.215(4.16)
378.48 *5*	0.79 *8*	^{77}Zn(2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
378.5 *1*	0.124 *18*	^{149}Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
• 378.5029 *7*	29.7 *12*	^{177}Lu(160.4 d)	208.3664(57.7), 228.4838(37.0), 418.5391(21.3)
378.54 *9*	8.3 *6*	^{174}W(31 m)	35.42(14.1), 428.83(12.7), 328.68(9.5)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 378.624 *5*	2.11 *5*	^{169}Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
378.65 *25*	†0.19 *2*	^{184}Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
378.8 *5*	4.2 *4*	^{80}Sr(106.3 m)	589.0(39), 175.4(10.1), 553.4(6.9)
378.80 *20*	†5.8 *8*	^{106}Mo(8.4 s)	465.70(†100), 54.00(†54), 618.60(†25)
378.8 *2*	4.1	^{145}Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)
378.8 *2*	>4.1	^{145}Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)
378.8 *5*	0.14 *7*	^{150}Tb(3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)
378.8 *3*	†19	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
378.9 *4*	0.19 *4*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
• 378.9 *1*	0.010 *5*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
378.93 *4*	0.029 *7*	^{100}Tc(15.8 s)	539.59(7), 590.83(5.7), 1512.1(0.44)
378.93 *4*	0.06 *3*	^{100}Rh(20.8 h)	539.59(78.4), 2376.1(35.3), 1553.4(21)
378.93 *2*	1.70 *6*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
378.93 *17*	1.4 *3*	^{184}Au(53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
378.932 *38*	3.9 *4*	^{148}La(1.05 s)	158.468(55.6), 989.85(9.3), 760.30(8.6)
• 378.944 *7*	0.009 *7*	^{77}Br(57.036 h)	238.996(23), 520.639(22.4), 297.215(4.16)
378.96 *9*	0.18 *3*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
379.0 *2*	1.48 *10*	^{97}Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
379.0 *1*	0.28 *5*	^{119}Ag(2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
379.0 *1*	38 *6*	^{140}Gd(15.8 s)	174.8(76), 749.9(70), 191.2(34)
379.0 *2*	0.054 *11*	^{228}Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
• 379.04 *15*	0.014 *4*	^{193}Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
379.1	1.0	^{134}Nd(8.5 m)	163.2(58), 288.9(13), 216.8(12)
379.1 *2*	†2.4 *7*	^{155}Tm(21.6 s)	226.8(†100), 531.7(†20), 88.1(†17)
379.1 *2*	†10	^{155}Tm(45 s)	88.1(†100), 323.2(†65), 507.0(†40)
379.1 *3*	0.43 *5*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
379.1 *1*	0.041 *10*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
379.12 *8*	†314 *33*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
379.15 *10*	0.095 *16*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
• 379.165 *4*	0.007 *2*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
379.17 *19*	0.032 *6*	^{99}Rh(4.7 h)	340.71(70), 617.8(12.0), 1261.2(11)
379.19 *8*	1.1 *4*	^{183}Os(13.0 h)	381.768(89.6), 114.463(20.63), 167.844(8.81)
379.2 *1*	0.487 *24*	^{73}Ga(4.86 h)	297.32(79.8), 325.70(11.17), 739.42(4.23)
379.2 *1*	4.9 *5*	^{141}Tb(3.5 s)	293.3(16.8), 343.6(16.3), 198.4(14.8)
379.229 *10*	0.74 *7*	^{182}Os(22.10 h)	510.056(52), 180.230(33.5), 263.285(6.71)
• 379.28 *30*	0.028 *9*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 379.286 *18*	0.00122 *18*	^{169}Yb(32.026 d)	63.12077(44.2), 197.95788(35.8), 177.21402(22.16)
379.3 *3*	0.32 *5*	^{101}Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
379.3 *3*	†38 *3*	^{121}La(5.3 s)	139.3(†100), 134.4(†73), 97.8(†57)
• 379.3 *3*	0.025 *10*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
379.30 *10*	0.060 *10*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
379.3		^{155}Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
379.35 *7*	0.42	^{227}Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
• 379.35 *7*	0.0503 *15*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
• 379.36 *18*	0.00083 *21*	^{152}Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
379.39 *4*	5.9 *3*	^{151}Tb(25 s)	830.81(3.10), 522.77(1.43), 504.4(0.48)
379.4 *1*	0.576 *12*	^{142}Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
379.4 *3*	0.72 *6*	^{190}Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
• 379.41 *8*	0.0150 *9*	^{160}Tb(72.3 d)	879.383(30.01), 298.580(25.51), 966.171(25.21)
379.5 *2*	†13 *2*	^{114}Te(15.2 m)	90.28(†100), 83.8(†67), 1417.6(†32)
379.5 *2*	14.6 *24*	^{118}Pd(1.9 s)	125.4(34), 125.4(34), 224.2(20.1)
379.5 *4*	0.45 *4*	^{137}Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
379.5 *1*	40.4 *25*	^{249}Es(102.2 m)	813.2(9.2), 375.1(3.3), 1218.5(1.5)
379.55 *23*	3.6 *6*	^{72}Br(78.6 s)	862.03(70), 1316.70(17.3), 454.70(13.1)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 379.6		^{188}Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
379.67 *12*	0.21	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
379.74 *17*	0.177 *20*	^{99}Nb(2.6 m)	97.785(7), 253.50(3.64), 2641.3(3.64)
379.79 *3*	1.55 *4*	^{135}Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
379.79 *20*	0.75 *6*	^{172}Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
379.847 *15*	1.85 *6*	^{208}Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
379.85 *10*	0.0043 *14*	^{167}Yb(17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
• 379.86 *3*	0.94 *7*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
379.89 *8*	1.01 *5*	^{101}Sr(118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
379.9 *3*	3.6 *6*	^{72}Br(78.6 s)	862.03(70), 1316.70(17.3), 454.70(13.1)
379.9 *1*	0.147 *3*	^{91}Sr(9.63 h)	1024.3(33), 749.8(23.61), 652.9(8.0)
379.90 *8*	†10.3 *6*	^{142}Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
379.9 *5*	7	^{146}La(10.0 s)	258.47(93), 409.86(81), 514.75(31)
379.9		^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)
379.9	0.40	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
379.9 *4*	0.077 *14*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
379.905 *9*	0.26 *3*	^{157}Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
• 379.94 *2*	0.0670 *16*	^{57}Ni(35.60 h)	1377.63(81.7), 127.164(16.7), 1919.52(12.26)
380.0 *1*	†0.74 *9*	^{123}La(17 s)	92.5(†100), 937.3(†43), 153.6(†43)
380.0 *3*	0.72 *11*	^{136}Sm(47 s)	114.4(36), 747.7(5.4), 485.3(5.0)
380.0 *5*	0.066 *23*	^{142}Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
380.0 *3*	†33.7	^{149}Ce(5.3 s)	57.7(†100), 86.4(†20.2), 892.7(†8.0)
380 *1*	0.04 *3*	^{175}Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
380	3.2×10^{-5}	^{219}Rn(3.96 s)	271.23(10.8), 401.81(6.37), 130.59(0.119)
380.0 *2*	†2	^{256}Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
380.01 *6*		^{168}Lu(5.5 m)	1483.65(†100), 228.58(†97), 111.8(†68)
380.01 *6*	0.6 *3*	^{168}Lu(6.7 m)	198.82(28), 979.22(20), 896.12(15)
• 380.03 *12*	2.03 *9*	^{190}Ir(11.78 d)	186.718(52.4), 605.24(39.9), 518.55(34.0)
• 380.08 *6*	0.0082 *16*	^{71}As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
380.1 *3*	0.27 *7*	^{121}Cs(155 s)	153.9(15.2), 239.6(7.7), 427.1(3.63)
380.1 *3*	0.34 *7*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
380.1 *2*	0.036 *13*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
380.1 *3*	†1.3 *3*	^{155}Tm(21.6 s)	226.8(†100), 531.7(†20), 88.1(†17)
• 380.10 *25*		^{171}Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
380.10 *20*	0.060 *5*	^{207}Po(5.80 h)	992.33(59.3), 742.64(28.2), 911.79(16.95)
380.1	0.060 *14*	^{207}Po(5.80 h)	992.33(59.3), 742.64(28.2), 911.79(16.95)
• 380.133 *79*	0.0091 *4*	^{99}Mo(65.94 h)	739.50(12.1), 181.063(6.08), 140.511(4.52)
380.14 *7*	0.15 *1*	^{87}Br(55.60 s)	1419.71(22.0), 1476.04(7.9), 1577.60(6.0)
380.15 *10*	0.0098 *25*	^{230}Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
• 380.15 *10*	0.30 *6*	^{230}Pa(17.4 d)	951.95(1.65), 918.48(8.2), 454.95(6.27)
380.173 *2*		^{235}Pa(24.5 m)	652.053, 659.3, 645.896
• 380.173 *2*	0.000305 *6*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
380.2 *1*	0.0185 *17*	^{121}I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
380.2 *5*	0.071 *14*	^{162}Tm(21.70 m)	102.00(17.5), 798.68(8.4), 227.52(7)
380.2 *3*	0.163 *25*	^{181}Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
• 380.22 *4*	0.024 *7*	^{189}Re(24.3 h)	216.663(5.50), 219.395(4.54), 245.09(3.5)
• 380.29 *13*	0.012 *1*	^{238}Np(2.117 d)	984.45(27.8), 1028.54(20.3), 1025.87(9.6)
380.29 *13*	0.045 *8*	^{238}Am(98 m)	962.77(28), 918.69(23.0), 561.11(10.9)
380.3 *7*	0.15	^{103}Ag(65.7 m)	118.72(31.2), 148.193(28.3), 266.86(13.3)
380.3 *7*	0.08 *3*	^{103}Ag(65.7 m)	118.72(31.2), 148.193(28.3), 266.86(13.3)
380.3 *3*	†43 *4*	^{143}Tb(12 s)	45.1(†100), 686.1(†48), 462.8(†45)
380.3 *2*	0.053 *14*	^{173}Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
380.3 *6*	0.27 *9*	^{207}Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
• 380.3 *10*	0.00038 *12*	^{253}Es(20.47 d)	41.79(0.050), 389.11(0.0264), 387.1(0.00810)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 380.340 *18*	0.0050 *13*	^{184}Re(38.0 d)	903.279(37.9), 792.071(37.5), 111.208(17.1)
380.356 *10*	4.81 *17*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
380.4 *3*	0.45 *3*	^{86}Y(14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
380.4 *5*	0.16 *5*	^{96}Rh(9.90 m)	832.57(100), 685.49(95.7), 631.71(74.5)
380.4 *2*	0.50 *15*	^{105}Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
380.4 *4*	0.6 *1*	^{156}Pm(26.70 s)	173.75(52.0), 1147.84(20.5), 117.42(13.8)
380.45 *12*	0.037 *9*	^{98}Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
• 380.452 *8*	1.516 *12*	^{125}Sb(2.7582 y)	427.875(30), 600.600(17.86), 635.954(11.31)
380.48 *20*	0.13	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
380.5 *3*	†100 *10*	^{137}Sm(45 s)	163.7(†85), 408.3(†40), 531.2(†37)
380.5 *3*	1.37 *23*	^{194}Tl(32.8 m)	636.5(99), 428.0(99), 748.9(76)
380.57 *17*	0.035 *7*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
380.6 *3*	†12 *4*	^{195}Bi(183 s)	807.6(†100), 831.7(†100), 776.2(†95)
380.68 *15*	0.56 *17*	^{209}Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
380.7	0.009	^{83}As(13.4 s)	734.60(43), 1113.10(14.7), 2076.70(11.9)
380.7 *3*	0.046 *12*	^{89}Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
380.7 *5*	0.040 *20*	^{124}Cs(30.8 s)	353.9(40), 914.8(4.0), 492.6(3.6)
380.7 *2*	0.074 *20*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
380.7 *4*	0.08 *4*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
380.79 *7*		^{87}Zr(1.68 h)	1227(1.0), 1209.8(0.33), 1024(0.28)
380.79 *7*	0.052 *3*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
• 380.8 *1*	2.40 *17*	^{245}Bk(4.94 d)	252.80(29.1), 385.0(0.57), 103.1(0.39)
380.81 *21*	0.78 *10*	^{206}At(30.0 m)	700.66(98), 477.10(86), 395.54(48)
• 380.83 *6*		^{206}Bi(6.243 d)	803.10(99), 881.01(66.2), 516.18(40.7)
380.9 *3*	0.31 *5*	^{149}Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
380.9 *1*	0.66 *19*	^{149}Er(8.9 s)	1171.0(9.4), 171.5(6.5), 343.9(6.3)
381.0 *1*	1.86 *19*	^{157}Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
381	†10	^{163}Lu(238 s)	163.08(†100), 54.00(†88), 396.34(†63)
381.0 *3*	0.0015 *5*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
381.03 *14*	1.65 *8*	^{161}Yb(4.2 m)	78.20(34), 599.88(25.9), 631.45(13.9)
• 381.06 *3*	0.0053 *5*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
• 381.1 *5*	0.0056 *5*	^{253}Es(20.47 d)	41.79(0.050), 389.11(0.0264), 387.1(0.00810)
• 381.134 *8*	0.663 *12*	^{156}Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
• 381.16 *16*	0.025 *14*	^{69}Ge(39.05 h)	1107.01(36), 574.17(13.3), 872.14(11.9)
• 381.17 *3*	2.49 *24*	^{83}Sr(32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
381.2 *4*	0.038 *8*	^{101}Pd(8.47 h)	296.29(19), 590.44(12.06), 269.67(6.43)
381.2 *4*	0.024 *24*	^{117}Cd(3.36 h)	1997.33(26), 1065.98(23.1), 564.397(14.7)
381.2 *3*	0.65 *8*	^{121}Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
• 381.2 *3*	0.020 *7*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
381.2 *4*		^{180}Hg(2.8 s)	300.5(†100), 381.2(†69), 479.9(†23.0)
381.2 *4*	†69 *14*	^{180}Hg(2.8 s)	300.5(†100), 479.9(†23.0), 405.0(†17)
• 381.22 *4*	0.177 *11*	^{206}Po(8.8 d)	1032.26(32.9), 511.36(24.1), 286.410(23.8)
381.23 *14*	0.305 *23*	^{101}Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
381.24 *8*	0.273 *6*	^{72}Ga(14.10 h)	834.01(96), 2201.69(25.9), 629.95(24.8)
381.3 *23*	†>2	^{87}Nb(2.6 m)	200.95(†100), 470.63(†73), 1066.8(†37)
381.3		^{157}Lu(5.0 s)	967.5, 949.8, 880.5
381.359 *7*	0.93 *9*	^{136}I(83.4 s)	1313.02(67), 1321.08(24.8), 2289.6(10.4)
381.359 *7*	100 *6*	^{136}I(46.9 s)	1313.02(100), 197.316(78), 369.813(17.5)
381.38 *15*	0.229 *13*	^{201}Pb(9.33 h)	331.19(79), 361.27(9.9), 945.96(7.4)
381.4 *1*	0.26 *6*	^{109}Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
381.4 *4*	0.042 *3*	^{123}Sn(40.06 m)	160.33(86), 541.8(0.020), 552.5(0.0103)
381.4 *4*	0.11 *4*	^{139}Sm(2.57 m)	273.7(37), 306.7(28.5), 596.3(8.0)
381.4	0.120 *18*	^{141}Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
381.4 *2*	9.6 *7*	^{179}Yb(8.0 m)	592.1(75), 612.3(35.4), 653.7(9.2)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
381.43 *11*	0.58 *5*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
• 381.43 *10*	7.5 *4*	^{188}Pt(10.2 d)	187.59(19.4), 195.05(18.6), 423.34(4.36)
381.43 *12*	0.0014	^{239}U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
381.5 *3*	0.066 *19*	^{107}In(32.4 m)	204.97(47), 505.51(11.9), 320.92(10.2)
381.5 *2*	0.099 *25*	^{129}La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
381.5 *4*	0.44 *9*	^{188}Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
381.5 *9*	0.046	^{192}Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
• 381.53 *3*	14.1 *5*	^{83}Sr(32.41 h)	762.65(30), 418.37(4.41), 381.17(2.49)
381.53 *15*	0.17 *9*	^{184}Ta(8.7 h)	414.03(72), 252.848(43), 920.932(32.0)
381.556 *15*	2.01 *15*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
381.57 *19*	2.02 *17*	^{94}Y(18.7 m)	918.74(56), 1138.88(6.0), 550.88(4.9)
381.59 *7*	0.045 *4*	^{133}I(20.8 h)	529.872(87.0), 875.329(4.51), 1298.223(2.35)
381.6 *3*	0.54 *10*	^{121}Cd(13.5 s)	324.976(49.5), 1040.26(16.8), 349.937(12.9)
381.6 *3*	0.7 *3*	^{152}Ho(49.5 s)	647.2(92), 613.8(88.4), 683.3(88)
381.6 *5*	†0.08 *2*	^{188}Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
381.60 *4*		^{193}Hg(3.80 h)	861.11(†100), 1118.84(†64), 789.21(†36)
381.60 *4*	0.35 *8*	^{193}Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
381.66 *15*	1.82 *18*	^{190}Pb(1.2 m)	942.20(34), 151.19(8.92), 598.3(8.0)
381.67 *19*	0.020 *4*	^{168}Ho(2.99 m)	741.356(36.6), 821.164(34.5), 815.990(18.6)
381.7 *2*	0.13 *4*	^{103}Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
• 381.7 *5*	0.0169 *12*	^{124}I(4.18 d)	602.730(60), 1690.980(10.41), 722.786(9.98)
• 381.7 *2*	0.0035 *7*	^{149}Eu(93.1 d)	327.526(4.03), 277.089(3.56), 22.510(2.32)
381.7 *2*	0.059 *12*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
381.70 *15*	†0.82 *6*	^{184}Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
381.7 *3*	0.56 *5*	^{243}Pu(4.956 h)	84.0(23), 41.8(0.76), 67(0.23)
381.710 *10*	0.209 *22*	^{184}Ta(8.7 h)	414.03(72), 252.848(43), 920.932(32.0)
• 381.710 *10*	0.063 *8*	^{184}Re(169 d)	252.848(10.7), 216.548(9.43), 920.932(8.14)
381.768 *12*	89.6 *9*	^{183}Os(13.0 h)	114.463(20.63), 167.844(8.81), 851.474(4.56)
381.8 *3*	†50.8 *15*	^{95}Pd(13.3 s)	1350.9(†105), 716.6(†70.63), 913.2(†13.6)
381.8 *2*	21.8 *10*	^{176}Tm(1.9 m)	189.57(44.5), 1069.3(34), 82.13(11.6)
381.8 *5*	†3.9 *13*	^{180}Au(8.1 s)	153.3(†100), 524.3(†29), 257.6(†26)
381.8 *5*	†1.5 *4*	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
381.8 *4*	1.3	^{203}Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
381.8 *1*	0.15 *4*	^{205}Po(1.66 h)	872.39(37), 1001.21(28.8), 849.83(25.5)
381.8	0.037 *19*	^{221}Fr(4.9 m)	218.19(11.6), 410.7(0.14), 99.5(0.11)
381.8 *2*	0.34 *7*	^{225}Th(8.72 m)	321.4(23), 246.0(5.06), 359.0(4.1)
381.85 *5*	28	^{66}Ge(2.26 h)	43.89(28.7), 272.97(10.4), 108.85(10.4)
381.86 *20*	0.65 *5*	^{107}Rh(21.7 m)	302.77(66), 392.47(8.8), 312.21(4.8)
381.9 *4*	0.23 *11*	^{122}In(10.3 s)	1140.55(98), 1001.58(50.7), 1190.58(20.5)
• 381.990 *26*	0.112 *8*	^{150}Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
382.0 *5*	0.23 *5*	^{79}Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
382.0 *3*	†41.3 *15*	^{111}Ru(2.12 s)	303.8(†100), 211.7(†77.7), 1515.9(†28)
382.00 *15*	1.02 *13*	^{137}Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
382.0	0.25 *13*	^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)
382.0 *8*	†0.21 *11*	^{148}Tb(60 m)	784.430(†119.0), 489.049(†28.0), 1079.025(†16.2)
382.00 *15*	0.04 *3*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
382.0 *1*	5.6 *7*	^{198}Pb(2.40 h)	290.3(36), 365.4(19), 173.4(18)
382 *10*	3.0 *20*	^{210}Tl(1.30 m)	799.7(99), 298(79), 1316(21)
• 382.025 *7*	0.0100 *4*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
382.025 *7*	1.04 *8*	^{154}Tb(9.4 h)	123.071(30), 247.925(22.1), 540.18(20)
382.025 *7*	0.55 *17*	^{154}Tb(22.7 h)	247.925(79), 346.643(69), 1419.81(46)
382.03 *19*	0.58 *8*	^{84}Br(31.80 m)	881.610(42), 1897.761(14.7), 3927.5(6.8)
382.08 *14*	0.00062 *23*	^{129}Te(69.6 m)	27.81(16.3), 459.60(7.70), 487.39(1.42)
382.1 *1*	0.145 *3*	^{113}Ag(5.37 h)	298.58(10), 258.8(1.64), 316.3(1.343)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 382.1 *10*	0.053 *5*	^{240}Am(50.8 h)	987.76(73.2), 888.80(25.1), 98.860(1.5)
382.15 *25*	0.50 *25*	^{186}Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
382.2	0.07	^{185}Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
382.25 *4*	0.472 *25*	^{121}I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
382.3 *1*	7.9 *8*	^{132}Sb(2.79 m)	973.9(99), 696.8(86), 989.6(14.9)
382.3 *1*	7	^{132}Sb(4.10 m)	696.8(100), 973.9(100), 150.6(66)
382.3 *2*	0.69 *5*	^{177}W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
382.32 *21*	0.27 *9*	^{181}Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
• 382.35 *10*	0.0582 *22*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
382.37 *17*	0.063 *14*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
382.4 *3*	7.7 *4*	^{86}Se(15.3 s)	2441.1(43.0), 2660.0(21.6), 48.3(15.4)
382.4 *10*	0.08 *5*	^{97}Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
382.4 *4*	0.00051 *9*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 382.4 *4*	†0.41	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
382.47 *4*	4.3 *3*	^{193}Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
• 382.48 *24*	0.018 *3*	^{59}Fe(44.503 d)	1099.251(56.5), 1291.596(43.2), 192.349(3.08)
382.49 *20*	0.031 *4*	^{165}Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
382.5 *3*	1.25 *13*	^{129}In(0.61 s)	2118.0(45), 1865.0(32), 769.3(9.1)
• 382.5 *4*	0.019 *9*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 382.50 *25*		^{171}Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
382.5 *2*	0.017 *5*	^{173}Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
382.50 *5*	0.463 *23*	^{224}Fr(3.30 m)	215.985(33.1), 131.613(16.3), 836.90(9.8)
• 382.60 *20*	0.0046 *21*	^{105}Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
382.6 *1*	0.30 *4*	^{107}Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
• 382.6 *4*	>0.000060	^{113}Sn(115.09 d)	391.690(64), 255.06(1.82), 638.03(0.00095)
382.6 *4*	0.34 *4*	^{172}Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
382.62 *2*	0.216 *24*	^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
382.65 *5*	3	^{98}Rh(3.5 m)	652.43(96), 745.36(78), 1144.52(8.5)
382.7	2.76 *13*	^{148}Ho(9.59 s)	1687.5(82.47), 660.8(58.94), 504.3(18.62)
382.7 *7*	0.143 *22*	^{199}Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
382.71 *25*	0.024 *4*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
382.75 *7*	0.064 *4*	^{119}I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
• 382.75 *5*	0.000259 *5*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
382.772 *20*	0.181 *6*	^{155}Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
382.8 *1*	0.47 *6*	^{109}Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
382.8 *2*	†8 *3*	^{192}Bi(37 s)	853.8(†100.0), 501.8(†80), 504.3(†39)
382.8 *3*		^{199}Pb(12.2 m)	366.90(7), 2751.9, 2612.9
• 382.8 *3*	0.014 *4*	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)
382.85 *11*	0.82 *5*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
382.87 *5*	0.360 *18*	^{89}Br(4.40 s)	1097.82(6.00), 997.93(4.26), 953.53(4.26)
382.88 *14*	0.56 *6*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
382.9	0.5	^{44}Ar(11.87 m)	182.6(66), 1703.4(57), 1886.0(31)
382.9 *1*	†0.97 *16*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
382.9 *2*	2.97 *21*	^{141}Eu(40.0 s)	394.0(9), 384.5(5.6), 593.1(2.95)
382.9 *2*	†1.70 *21*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
• 382.96 *4*	0.034 *7*	^{189}Re(24.3 h)	216.663(5.50), 219.395(4.54), 245.09(3.5)
382.97 *4*	3.08 *20*	^{166}Lu(2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
383.0 *4*	0.9 *9*	^{109}Sn(18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
383 *1*	1.7 *5*	^{148}Er(4.6 s)	1311.8(8.9), 244.0(7.1), 315.3(6.9)
383.02 *28*	3.63 *12*	^{86}Y(14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
383.1 *2*	>0.06	^{146}La(6.27 s)	258.47(64), 924.58(7.45), 702.28(6.43)
383.17 *3*	0.070 *11*	^{157}Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
383.2 *3*	0.16 *5*	^{97}Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
383.2 *5*	†1.2 *5*	^{103}Mo(67.5 s)	83.4(†100), 423.91(†69), 45.8(†57)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
383.2 *2*	0.0009 *3*	^{108}Ag(2.37 m)	433.937(0.50), 618.84(0.261), 1007.22(0.0139)
383.2 *3*	†1.3 *3*	^{131}Sn(56.0 s)	1226.03(†100), 450.03(†90), 798.50(†86)
383.2 *3*	0.027 *12*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
383.2	>0.21	^{190}Au(42.8 m)	295.78(71.0), 301.82(23.4), 597.67(9.4)
383.2 *3*	0.0196 *20*	^{251}Fm(5.30 h)	425.4(0.95), 480.4(0.392), 358.3(0.315)
383.28 *11*	0.43 *6*	^{132}La(4.8 h)	464.55(76), 567.14(15.7), 1909.91(9.0)
383.3 *3*	>0.24	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
383.4 *4*	0.023 *12*	^{193}Au(17.65 h)	186.17(10.1), 255.57(6.7), 268.22(3.9)
• 383.414 *7*	0.026 *4*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
• 383.428 *9*	0.052 *17*	^{200}Tl(26.1 h)	367.943(87), 1205.717(29.9), 579.298(13.8)
• 383.46 *8*	0.035 *6*	^{188}Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
• 383.47 *8*	8.7×10^{-5} *13*	^{233}U(1.592×10^{5} y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
• 383.5 *1*	0.047 *19*	^{146}Gd(48.27 d)	154.57(47), 115.51(44.0), 114.71(44.0)
383.5 *5*	†2.3	^{154}Nd(25.9 s)	151.703(†800), 799.55(†600), 180.693(†510)
• 383.501 *4*	2.35 *5*	^{172}Er(49.3 h)	610.062(44.2), 407.338(42.1), 68.107(3.29)
• 383.52 *9*	†3.1 *7*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
383.566 *21*	0.27 *4*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
• 383.595 *15*	0.075 *12*	^{169}Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
383.6 *2*	0.040 *11*	^{101}Tc(14.22 m)	306.85(88), 545.06(6.0), 127.23(2.86)
383.6 *2*	0.052 *5*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
383.60 *3*	0.27 *3*	^{194}Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
• 383.6 *5*	0.036 *3*	^{230}Pa(17.4 d)	314.8(0.094), 366.56(0.076), 51.72(0.026)
383.62 *8*	0.051 *4*	^{168}Ho(2.99 m)	741.356(36.6), 821.164(34.5), 815.990(18.6)
383.64 *12*		^{195}Pb(15 m)	883.1(†100), 393.7(†42), 871.0(†36)
383.64 *12*	106.9 *18*	^{195}Pb(15.0 m)	394.21(44), 878.40(24.2), 707.67(14.0)
383.7 *1*	13.6 *7*	^{250}Es(8.6 h)	828.82(72), 303.41(21.6), 349.4(19.8)
383.73 *6*	0.0185 *20*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
383.74 *5*	0.27 *3*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
• 383.75 *10*	0.042 *5*	^{234}Np(4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
383.8 *3*	0.23 *9*	^{65}Co(1.20 s)	1141.7(4.0), 310.6(2.90), 963.7(2.6)
383.8 *1*	0.168 *16*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
383.80 *20*	0.084 *17*	^{189}Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
• 383.81 *3*	†2.82×10^{5} *5*	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^{9}), 33.195(†6000×10^{8})
383.85 *10*	0.23 *11*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
• 383.851 *3*	0.0024 *2*	^{133}Xe(5.243 d)	80.997(38.0), 79.623(0.27), 160.613(0.066)
• 383.851 *3*	8.94 *3*	^{133}Ba(10.52 y)	356.017(62.05), 80.997(34.06), 302.853(18.33)
• 383.90 *7*	0.26 *4*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
383.9 *4*	†1.8 *6*	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
383.9 *2*	†2.52 *14*	^{192}Tl(9.6 m)	422.8(†100), 634.8(†75.9), 786.3(†31.7)
383.9 *4*	†<1.0	^{192}Bi(37 s)	853.8(†100.0), 501.8(†80), 504.3(†39)
383.95 *14*	0.99 *10*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
384.0 *5*	0.15 *7*	^{98}Sr(0.653 s)	119.353(73), 444.628(39), 428.4(31)
384.0 *7*	0.17 *11*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
384.0 *5*	†0.4 *2*	^{136}Eu(3.3 s)	254.9(†100), 431.4(†34), 458.0(†20)
384.0 *2*	†1	^{139}I(2.29 s)	527.7(†100), 571.2(†98), 536.6(†67)
• 384	0.006	^{210}Bi(3.04×10^{6} y)	265.832(50), 304.896(28), 649.42(3.8)
• 384.0 *5*	1.4×10^{-5} *2*	^{233}U(1.592×10^{5} y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
384.03 *25*	0.12 *3*	^{128}In(0.84 s)	1168.80(40), 935.20(6.5), 1089.53(6.0)
384.03 *25*	0.36 *10*	^{128}In(0.72 s)	831.54(100), 1168.80(100), 120.54(11.1)
384.059 *3*	0.894 *7*	^{131}Te(25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
384.08 *5*	0.27 *3*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
384.1 *3*	4.7 *5*	^{64}Ge(63.7 s)	427.03(37.4), 666.94(16.9), 128.2(10.7)
384.1 *1*	1.18 *7*	^{79}Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
384.17 *7*	0.266 *25*	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
384.2 *3*	3.31 *9*	^{109}Sn(18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
384.2 *3*		^{111}Rh(11 s)	275.4(†100.0), 411.8(†9.42), 230.0(†8.9)
384.25 *5*	0.27 *3*	^{133}Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
384.254 *10*	12.5 *4*	^{184}Ta(8.7 h)	414.03(72), 252.848(43), 920.932(32.0)
• 384.254 *10*	>0.005	^{184}Re(38.0 d)	903.279(37.9), 792.071(37.5), 111.208(17.1)
• 384.254 *10*	3.13 *5*	^{184}Re(169 d)	252.848(10.7), 216.548(9.43), 920.932(8.14)
384.3 *4*	0.07 *3*	^{91}Kr(8.57 s)	108.788(43.5), 506.592(19.1), 612.87(7.7)
384.3 *5*	0.049 *13*	^{101}Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
384.30 *21*	1.9 *3*	^{186}Au(10.7 m)	191.56(62), 298.67(25.4), 764.89(10.5)
384.348 *8*	1.80 *15*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
384.38 *14*	†9.5 *10*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
384.4	†57.6	^{107}Mo(3.5 s)	400.3(†100), 65.7(†>92), 483.6(†41.6)
384.4 *2*	1.42 *14*	^{130}Sn(3.72 m)	192.5(70), 779.8(59), 70.0(35.5)
384.4 *4*	†22 *3*	^{134}Pr(11 m)	293.5(†100), 299.0(†100), 1196.8(†100)
384.4 *4*	†22 *3*	^{134}Pr(17 m)	1964.1(†100), 1904.3(†100), 1579.9(†100)
384.4 *3*	0.43 *7*	^{150}Tb(3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)
384.4 *10*	0.125 *24*	^{201}Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
384.45 *11*	0.29 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
384.5 *5*	0.005 *5*	^{107}Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
384.5 *3*	†0.30 *6*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
384.5 *2*	5.6 *3*	^{141}Eu(40.0 s)	394.0(9), 382.9(2.97), 593.1(2.95)
384.5 *3*	0.07	^{154}Pm(1.73 m)	2057.76(17.1), 1393.9(14.4), 81.99(12.6)
384.5	†0.62 *12*	^{178}Ir(12 s)	266.1(†100.0), 131.6(†79), 363.1(†39.9)
384.5 *5*	†1.5 *4*	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
384.5 *2*	†14.8 *15*	^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
384.5	0.2	^{190}Hg(20.0 m)	142.6(68), 171.5(4.8), 154.7(2.5)
384.53 *34*	0.12 *4*	^{137}Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
• 384.539 *10*	0.0762 *24*	^{149}Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
384.55 *14*	0.092 *15*	^{100}Sr(202 ms)	963.85(22.0), 898.50(18.9), 65.46(15.2)
• 384.55 *4*	0.153 *18*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
384.6 *3*	0.34 *4*	^{88}Nb(7.8 m)	1057.01(89.3), 1082.53(53.9), 399.41(45.7)
384.6	>0.07	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
384.6 *2*		^{146}Dy(29 s)	2156.8, 1915.7, 1876.7
384.60 *2*	0.180 *24*	^{201}Au(26 m)	542.6(1.2), 517.0(0.83), 613.2(0.77)
384.61 *14*	1.22 *6*	^{205}At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
384.61		^{205}At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
384.61 *14*	0.0024 *5*	^{209}Rn(28.5 m)	143.166(0.0102), 154.198(0.0073), 230.12(0.00061)
384.62 *10*	0.225 *15*	^{163}Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
384.63 *20*	0.0069 *16*	^{228}Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
384.67 *7*	1.03 *6*	^{186}Ir(2.0 h)	137.155(27), 767.508(21.2), 630.354(18.0)
384.687 *16*	0.267 *8*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
384.7 *1*		^{132}Ce(3.51 h)	182.11(77), 155.37(10.5), 216.83(4.95)
384.7 *12*	0.6	^{186}Pt(2.0 h)	276.7(0), 611.5(6.0), 635.6(>3.8)
• 384.70 *7*	0.0037 *5*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
384.71 *6*		^{168}Lu(5.5 m)	1483.65(†100), 228.58(†97), 111.8(†68)
384.71 *6*	0.6 *3*	^{168}Lu(6.7 m)	198.82(28), 979.22(20), 896.12(15)
384.76 *10*		^{168}Lu(5.5 m)	1483.65(†100), 228.58(†97), 111.8(†68)
384.76 *10*	0.6 *3*	^{168}Lu(6.7 m)	198.82(28), 979.22(20), 896.12(15)
384.8 *2*	†2.12 *21*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
384.84 *9*	0.049 *10*	^{189}Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
384.85 *24*	0.10 *4*	^{162}Yb(18.87 m)	163.35(40.0), 118.70(33.6), 576.10(3.24)
• 384.85 *15*	0.0143 *7*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
384.9 *3*	1.6 *3*	^{151}Pr(18.90 s)	880.19(13), 189.057(11.8), 484.501(11.3)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
384.92 *9*	0.28 *3*	^{187}Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
• 384.976 *7*	0.836 *23*	^{77}Br(57.036 h)	238.996(23), 520.639(22.4), 297.215(4.16)
384.99 *10*	0.049 *10*	^{189}Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
385.0 *3*	0.94 *11*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
385.0 *2*		^{125}La(76 s)	67.6(34), 43.6(3.5), 985.2
385.0 *2*	†2.9 *9*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
385.0 *4*	2.9 *6*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 385.0 *1*	0.57 *4*	^{245}Bk(4.94 d)	252.80(29.1), 380.8(2.40), 103.1(0.39)
• 385 *2*	0.05 *1*	^{254}Es(275.7 d)	63.0(2.0), 316(0.15), 304(0.07)
• 385.0304 *9*	3.13 *12*	^{177}Lu(160.4 d)	208.3664(57.7), 228.4838(37.0), 378.5029(29.7)
385.11 *5*	0.288 *18*	^{89}Br(4.40 s)	1097.82(6.00), 997.93(4.26), 953.53(4.26)
385.15 *7*	0.46	^{137}I(24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
385.15 *7*	0.06	^{138}I(6.49 s)	601.05(1.1)
385.15 *20*	0.40 *3*	^{187}Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
385.156 *10*	1.04 *3*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
385.20 *5*	0.0929 *19*	^{127}Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
385.2 *2*	0.160 *19*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
385.28 *7*	0.0174 *16*	^{62}Zn(9.186 h)	596.56(26), 40.84(25.5), 548.35(15.3)
385.295 *14*	0.0775 *25*	^{133}La(3.912 h)	278.835(2.50), 302.353(1.648), 290.06(1.413)
385.3 *2*	0.54 *4*	^{55}Co(17.53 h)	931.3(75), 477.2(20.2), 1408.4(16.88)
385.3 *3*	0.44 *8*	^{97}Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
385.3 *7*	†3.0 *15*	^{164}Tm(2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)
385.3 *2*	0.030 *3*	^{251}Fm(5.30 h)	880.8(2.19), 453.1(1.45), 405.6(0.99)
385.31 *13*	0.060 *10*	^{93}Mo(6.85 h)	949.82(0.120), 689.07(0.070), 541.32(0.060)
• 385.31 *25*		^{171}Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
385.33 *3*	0.28 *3*	^{194}Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
385.38 *15*	0.0134 *22*	^{159}Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
385.40 *14*	0.54 *4*	^{103}Ag(65.7 m)	118.72(31.2), 148.193(28.3), 266.86(13.3)
385.4 *1*	0.37 *6*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
385.4 *1*	0.041 *10*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
• 385.46 *5*	0.235 *22*	^{188}Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
385.5 *4*	0.036	^{117}Cd(2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
385.5 *5*	0.07 *4*	^{150}Tb(3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)
385.5		^{157}Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
385.5 *1*	8.8 *9*	^{157}Tm(3.63 m)	455.00(9.3), 348.40(8.4), 110.35(8.2)
385.5	>0.042	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
385.5 *3*	0.176 *22*	^{230}Fr(19.1 s)	711.0(13.6), 129.1(11.0), 728.4(7.3)
385.51 *25*	0.69 *14*	^{164}Tm(5.1 m)	208.08(14.6), 314.97(10), 240.49(7.5)
• 385.52 *17*	0.0050 *6*	^{152}Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
385.527 *12*	>0.0017	^{184}Ta(8.7 h)	414.03(72), 252.848(43), 920.932(32.0)
• 385.527 *12*	>0.005	^{184}Re(38.0 d)	903.279(37.9), 792.071(37.5), 111.208(17.1)
• 385.527 *12*	>0.0020	^{184}Re(169 d)	252.848(10.7), 216.548(9.43), 920.932(8.14)
385.532 *3*	0.43 *8*	^{231}Ac(7.5 m)	282.471(39.0), 307.063(30.4), 221.399(16.8)
385.54 *4*	0.0144 *6*	^{166}Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
385.55 *9*	0.59 *5*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
385.60 *20*	0.52 *13*	^{99}Ag(124 s)	264.41(65), 832.29(13.5), 805.07(12.5)
385.6 *3*	0.14 *5*	^{122}Cs(21.0 s)	331.1(48), 512.0(3.8), 817.9(3.09)
385.6 *3*	0.75 *19*	^{122}Cs(4.5 m)	331.1(94), 497.1(79), 638.5(63)
385.6		^{144}Gd(4.5 m)	333.3(†100), 2432.6(†94.8), 629.5(†32.4)
385.6 *3*	†25 *8*	^{180}Yb(2.4 m)	172.9(†100), 375.0(†87), 419.8(†56)
385.6 *2*	†6 *1*	^{181}Hg(3.6 s)	147.8(†100), 42.5(†25), 1986.7(†17)
385.6 *2*	†3.2 *10*	^{192}Bi(37 s)	853.8(†100.0), 501.8(†80), 504.3(†39)
385.61 *8*	0.23	^{201}Au(26 m)	542.6(1.2), 517.0(0.83), 613.2(0.77)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 385.69 *10*	0.0024 *5*	^{147}Eu(24.1 d)	197.299(27), 121.220(22.9), 677.516(9.8)
385.69 *10*	0.11 *7*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
385.7 *5*	†0.5 *2*	^{155}Tm(21.6 s)	226.8(†100), 531.7(†20), 88.1(†17)
385.8 *1*	†2.7 *3*	^{123}La(17 s)	92.5(†100), 937.3(†43), 153.6(†43)
385.8 *1*	1.50 *21*	^{135}Nd(12.4 m)	204.02(52), 41.43(23), 441.2(14.9)
385.8 *1*	3.3 *3*	^{188}Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
385.8 *5*		^{191}Hg(50.8 m)	252.5(57), 420.1(18.6), 578.6(17.6)
385.85 *10*	50	^{197}Pb(8 m)	761.14(13.3), 375.48(12.8), 1261.23(8.3)
385.85 *10*	74	^{197}Pb(43 m)	387.72(25.1), 222.45(24.6), 774.26(14.1)
385.86 *4*	100	^{80}Y(35 s)	595.06(39), 1185.20(20), 756.53(13)
• 385.9 *1*	0.08 *4*	^{124}Sb(60.20 d)	602.730(97.8), 1690.980(47.3), 722.786(10.76)
385.9 *3*	0.7 *2*	^{129}Sn(2.23 m)	645.13(100), 80.5(6.6), 913.2(5.0)
385.9 *3*	0.8 *3*	^{129}Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
385.9	0.17	^{147}Ce(56.4 s)	268.80(7), 92.9(4.7), 374.23(3.5)
• 385.9 *6*	0.014 *7*	^{148}Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
385.9 *1*	3.40 *19*	^{152}Tb(4.2 m)	344.281(20.8), 411.115(18.8), 471.9(12.2)
385.9 *3*	†4.4 *10*	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 234.0(†40.0)
386.0 *3*	4.4 *4*	^{98}Sr(0.653 s)	119.353(73), 444.628(39), 428.4(31)
386.0 *4*	0.087 *10*	^{125}Sn(9.52 m)	332.10(97.2), 1404.0(0.70), 589.6(0.20)
386.0 *3*	1.65 *13*	^{128}La(5.0 m)	284.00(87), 479.24(54), 643.65(14.7)
386.0 *6*	0.60 *6*	^{175}Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
386 *1*	†>0.26	^{180}Au(8.1 s)	153.3(†100), 524.3(†29), 257.6(†26)
• 386.0 *5*	0.0013 *5*	^{253}Es(20.47 d)	41.79(0.050), 389.11(0.0264), 387.1(0.00810)
386.08 *10*	0.044 *7*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
386.09 *6*	0.084 *9*	^{81}Rb(4.576 h)	190.38(64.0), 446.15(23.2), 510.31(5.3)
386.1 *3*	0.25 *4*	^{92}Rb(4.492 s)	814.98(33), 2820.6(6.2), 569.8(5.6)
386.1 *2*	0.9 *4*	^{98}Y(0.548 s)	1223.0(36.0), 2941.3(16.7), 1590.9(14.7)
386.10 *2*	19.4 *4*	^{151}Dy(17.9 m)	49.46(18.0), 546.31(14.3), 176.40(10.60)
386.1 *2*	0.024 *3*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
386.15 *42*	0.12 *4*	^{137}Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
386.20 *22*	1.8 *3*	^{78}Zn(1.47 s)	224.75(43.9), 181.68(28.1), 860.30(24.5)
• 386.20 *7*	0.516 *10*	^{206}Bi(6.243 d)	803.10(99), 881.01(66.2), 516.18(40.7)
386.25 *3*	2.2	^{182}Hf(61.5 m)	942.80(18.8), 799.64(9.4), 114.3152(6.2)
386.28 *5*	93	^{71}Zn(3.96 h)	487.38(62), 620.18(57), 511.56(28.4)
386.3 *1*	0.98 *9*	^{107}Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
386.3 *3*	0.22 *6*	^{115}Te(5.8 m)	723.569(30), 1380.58(23.0), 1326.83(22.7)
• 386.3 *9*	0.20 *5*	^{126}Sb(12.46 d)	695.03(100), 666.331(100), 414.81(83.3)
386.30 *20*	1.26 *13*	^{160}Yb(4.8 m)	173.74(42.0), 215.78(20.2), 140.35(9.3)
386.3 *5*	0.85 *21*	^{164}Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
386.3 *3*	5.6 *6*	^{180}Ir(1.5 m)	276.4(56), 132.2(38.1), 699.0(13.4)
• 386.33 *24*	0.037 *16*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
386.36 *6*	2.06 *13*	^{209}Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
386.4 *1*	3.36 *17*	^{167}Ho(3.1 h)	346.547(56), 321.336(23.5), 237.873(5.0)
• 386.40 *15*	0.27 *3*	^{195}Hg(41.6 h)	261.75(30.9), 560.27(7), 387.87(2.15)
386.4 *10*	0.200 *16*	^{224}Fr(3.30 m)	215.985(33.1), 131.613(16.3), 836.90(9.8)
• 386.45 *20*	0.0090 *7*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
386.48 *9*	0.129 *12*	^{90}Kr(32.32 s)	1118.69(39.0), 121.82(35.5), 539.49(30.8)
386.490 *26*	4.5 *5*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
386.5 *4*	8 *3*	^{70}Cu(47 s)	884.9(100), 901.7(87), 1251.7(57)
386.55 *4*	1.64 *9*	^{81}Sr(22.3 m)	153.54(33.8), 147.76(30.1), 443.34(17.5)
• 386.6 *2*	0.0049 *10*	^{125}Sn(9.64 d)	1067.10(10), 1089.15(4.59), 822.48(4.28)
386.6 *3*	†1220 *61*	^{145}Gd(85 s)	329.9(†1329), 716.0(†341)
386.6 *2*	†61 *6*	^{206}Rn(5.67 m)	497.7(†100), 324.5(†96), 773.1(†57)
• 386.673 *13*	0.000340 *11*	^{169}Yb(32.026 d)	63.12077(44.2), 197.95788(35.8), 177.21402(22.16)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
386.7 *4*	1.83 *9*	^{51}Sc(12.4 s)	1437.3(52), 2144.1(31.8), 1567.5(14.9)
386.70 *10*	2.84 *25*	^{99}Pd(21.4 m)	136.00(73), 263.60(15.2), 673.38(6.9)
386.7 *4*	0.24 *4*	^{101}Ag(11.1 m)	261.0(53), 588.0(10.0), 667.3(9.8)
386.7 *1*	†0.85 *14*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
386.7 *6*	0.29 *12*	^{166}Lu(2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
386.72	0.064 *16*	^{204}Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
386.73 *20*	2.06 *13*	^{209}Rn(28.5 m)	408.32(50.3), 745.78(22.8), 337.45(14.5)
386.74 *8*	2.6 *3*	^{206}At(30.0 m)	700.66(98), 477.10(86), 395.54(48)
386.8 *3*	†100 *14*	^{106}Sn(115 s)	477.5(†62), 253.30(†57), 1190.0(†33)
386.8 *1*	39.9 *24*	^{117}Ag(5.34 s)	135.4(48), 298.1(21.1), 522.1(9.4)
386.8 *1*	1.54 *11*	^{117}Ag(72.8 s)	135.4(23), 337.7(10.3), 157.1(7.9)
386.84 *4*	111000 *4*	^{158}Er(2.29 h)	71.91(†23300), 248.58(†42000), 45.5(†35800)
386.85 *5*	0.059 *4*	^{133}I(20.8 h)	529.872(87.0), 875.329(4.51), 1298.223(2.35)
386.9 *2*	0.14	^{113}Pd(93 s)	95.74(3.3), 643.7(3.0), 739.63(2.4)
386.91 *2*	3.60 *24*	^{191}Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
386.97 *7*	3.60 *12*	^{103}Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
387.0 *1*	0.31 *8*	^{77}Zn(2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
387.0 *2*	2.1 *3*	^{105}Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
387.00 *6*	0.60 *5*	^{141}Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
387.0 *4*	0.0023 *10*	^{167}Yb(17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
387.0 *3*	1.1 *3*	^{186}Au(10.7 m)	191.56(62), 298.67(25.4), 764.89(10.5)
387.0 *3*	0.29 *4*	^{214}Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
• 387.0 *1*	0.00049 *17*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
387.03 *5*	0.139 *20*	^{202}Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
• 387.075 *9*	0.08 *4*	^{110}Ag(249.79 d)	657.7622(94.0), 884.685(72.2), 937.493(34.13)
387.1 *4*	0.20 *10*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
387.10 *12*	0.87 *8*	^{190}Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
387.1 *2*	†100	^{191}Pb(2.18 m)	712.2(†46), 613.5(†40), 936.8(†37)
387.1 *2*	0.31 *3*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
387.1 *1*		^{199}Pb(12.2 m)	366.90(7), 382.8, 2751.9
• 387.1 *5*	0.00810 *18*	^{253}Es(20.47 d)	41.79(0.050), 389.11(0.0264), 42.98(0.009)
387.19 *4*	0.33 *6*	^{174}Tm(5.4 m)	366.526(92), 992.128(87), 272.918(86)
387.2 *2*	†0.7 *3*	^{103}Nb(1.5 s)	102.64(†100), 641.1(†55), 538.5(†34.0)
387.2 *10*	0.09	^{103}Cd(7.3 m)	1461.81(12), 1448.70(5.55), 1079.90(5.44)
387.2 *3*	0.26 *8*	^{117}Cs(8.4 s)	204.8(15.0), 29.7(9.9), 205.6(6.8)
387.2 *5*	†1.25 *21*	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
387.3 *3*	0.19 *3*	^{118}Cs(14 s)	337.4(100), 472.8(37.4), 586.6(15.4)
387.3 *1*	0.035 *10*	^{143}Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
387.30 *15*	1.9 *3*	^{157}Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
387.3 *10*	0.082 *17*	^{201}Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
• 387.305 *42*	0.0123 *16*	^{71}As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
387.345 *5*	0.0076 *19*	^{200}Au(48.4 m)	367.943(19), 1225.479(10.7), 1262.950(3.12)
• 387.345 *5*	0.16 *3*	^{200}Tl(26.1 h)	367.943(87), 1205.717(29.9), 579.298(13.8)
• 387.35	0.025	^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
387.4 *2*	1.68 *24*	^{71}Br(21.4 s)	260.5(8.0), 233.7(6.5), 171.6(6.2)
387.4 *1*	0.0110 *17*	^{121}I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
387.4	0.06	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
387.42 *10*	8.0 *5*	^{99}Zr(2.1 s)	469.140(55), 546.13(48.6), 593.990(27.4)
387.5 *10*	0.008 *5*	^{93}Y(10.18 h)	266.9(7.3), 947.1(2.09), 1917.8(1.55)
387.5	†10	^{174}Os(44 s)	118(†100), 325(†43), 302(†26)
387.5 *2*	0.26 *4*	^{188}Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
• 387.50 *4*	1.26 *6*	^{193}Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
387.52 *15*	1.2 *1*	^{126}In(1.64 s)	1141.11(100), 908.58(99), 111.79(88)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
387.55 *12*	†36 *3*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
387.56 *8*	†38 *3*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 324.35(†34)
387.6 *4*	†1.3 *4*	^{131}Sn(56.0 s)	1226.03(†100), 450.03(†90), 798.50(†86)
387.6 *2*	2.3 *8*	^{145}Ho(2.4 s)	339.8(15), 312.9(14.3), 334.1(13.5)
387.60 *9*	0.38 *5*	^{193}Au(17.65 h)	186.17(10.1), 255.57(6.7), 268.22(3.9)
387.6 *8*	†9.5×10^2 *16*	^{234}Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
387.7 *1*	†88 *3*	^{148}Er(4.6 s)	1653.4(†100), 197.1(†71), 256.9(†65)
387.70 *16*	†0.68 *12*	^{162}Lu(1.37 m)	166.82(†100), 631.87(†26.6), 798.76(†16.9)
387.7	†>1.5	^{164}Tm(2.0 m)	91.40(†1500), 1154.66(†366), 768.91(†279)
387.72 *11*	25.1 *23*	^{197}Pb(43 m)	385.85(74), 222.45(24.6), 774.26(14.1)
387.77 *8*	1.31 *7*	^{101}Sr(118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
387.78 *18*		^{106}In(5.2 m)	632.66(92), 1714.90(17.1), 861.16(10.6)
387.8 *3*	0.0007 *4*	^{152}Eu(9.274 h)	841.586(14.6), 963.37(12.01), 121.7824(7.21)
387.8 *2*	†9.8 *9*	^{152}Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
387.81 *3*	0.606 *13*	^{135}Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
• 387.82 *3*	0.038 *5*	^{235}U(7.038×10^8 y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
• 387.87 *5*	2.15 *8*	^{195}Hg(41.6 h)	261.75(30.9), 560.27(7), 200.38(0.79)
387.88 *4*	0.29 *7*	^{245}Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
• 387.884 *4*	7.0 *3*	^{232}Pa(1.31 d)	969.315(41.6), 894.351(19.8), 150.059(10.8)
387.9 *3*	0.30 *5*	^{132}I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
387.9 *2*	0.7	^{145}La(24.8 s)	70.0(11), 355.8(3.8), 118.2(3.6)
• 387.90 *8*	0.00292 *21*	^{152}Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
387.92 *10*	1.39 *6*	^{148}La(1.05 s)	158.468(55.6), 989.85(9.3), 760.30(8.6)
387.93 *12*	0.20 *30*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
387.93 *18*		^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
387.94 *6*	0.00071 *4*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
387.94 *6*	†465 *20*	^{234}Pa(1.17 m)	1001.03(†837000), 766.38(†294000), 742.81(†80000)
• 387.94 *6*	0.208 *12*	^{234}Np(4.4 d)	1558.31(18.72), 1527.21(11.2), 1601.80(9.1)
387.96 *4*	0.31 *6*	^{117}Cd(2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
388.00 *20*	0.063 *11*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
388.0 *5*	†0.5 *3*	^{180}Au(8.1 s)	153.3(†100), 524.3(†29), 257.6(†26)
• 388.0 *5*	0.015 *6*	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)
388.06 *20*	0.030 *3*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
388.1 *10*	0.7 *4*	^{124}Cs(30.8 s)	353.9(40), 914.8(4.0), 492.6(3.6)
388.1 *3*	†2.5 *5*	^{187}Hg(1.9 m)	233.38(†100), 376.34(†38), 240.26(†33)
388.1 *3*	1.0 *2*	^{202}Au(28.8 s)	439.59(10.0), 1125.20(2.30), 1306.38(2.25)
388.13 *15*	5.4 *5*	^{86}Nb(88 s)	751.74(97.8), 914.81(78.1), 1003.24(37.4)
• 388.16 *2*	66	^{249}Cf(351 y)	333.37(14.6), 252.80(2.50), 266.62(0.69)
388.19 *17*	0.86 *10*	^{81}As(33.3 s)	467.72(20), 491.20(8.5), 521.10(1.40)
388.19 *6*	13.49 *5*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
388.20 *21*	4 *3*	^{112}Rh(3.8 s)	348.70(33), 777.5(3.6), 737.20(1.8)
388.20 *21*	29 *4*	^{112}Rh(6.8 s)	348.70(87), 560.5(49), 1098.6(39)
388.25 *2*	0.576 *24*	^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
388.3 *4*	0.21 *7*	^{79}Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
388.3 *2*	†3.0 *3*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
388.3 *1*	0.098 *8*	^{230}Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
388.4 *1*	†952 *95*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
• 388.46 *10*	0.007 *3*	^{189}Re(24.3 h)	216.663(5.50), 219.395(4.54), 245.09(3.5)
388.5 *3*	†1.3	^{111}Rh(11 s)	275.4(†100.0), 411.8(†9.42), 230.0(†8.9)
388.5 *2*	0.35 *9*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
388.5 *3*	0.063 *6*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
388.5 *15*	0.07	^{257}Md(5.52 h)	371.4(11.7), 325.1(2.5), 181.3(0.41)
• 388.531 *3*	82	^{87}Y(79.8 h)	484.805(89.7)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
388.57 *2*	18.37 *13*	^{149}Tb(4.118 h)	352.24(29.43), 164.98(26.4), 652.12(16.25)
388.59 *9*	2.22 *14*	^{103}Tc(54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
388.6 *4*	0.0018 *6*	^{108}Ag(2.37 m)	433.937(0.50), 618.84(0.261), 1007.22(0.0139)
388.6 *1*	0.062 *6*	^{139}Xe(39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
• 388.633 *11*	34.1 *7*	^{126}I(13.11 d)	491.243(2.85), 879.876(0.754)
388.633 *11*	41	^{126}Cs(1.64 m)	491.243(5.0), 925.24(4.56), 879.876(1.29)
388.7 *2*	†5	^{87}Nb(2.6 m)	200.95(†100), 470.63(†73), 1066.8(†37)
388.7 *3*		^{122}Ba(1.95 m)	550.7, 231.0, 65.8
388.7 *1*	0.89 *6*	^{240}Np(61.9 m)	566.34(25.3), 973.9(23.8), 600.57(18.4)
388.71 *5*	0.0113 *13*	^{127}Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
388.8 *3*	0.69 *17*	^{127}Cd(0.43 s)	1235.07(8.3), 376.28(7.5), 523.60(5.15)
388.8 *1*	0.224 *22*	^{142}Tb(597 ms)	515.0(25), 465.0(2.7), 853.1(2.42)
• 388.80 *10*	0.090 *3*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
388.8 *1*	1.69 *10*	^{177}W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
388.8 *4*	0.033 *16*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
388.80 *7*	0.70 *9*	^{187}Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
388.8 *1*	0.49 *3*	^{209}At(5.41 h)	545.0(91), 781.9(83.5), 790.2(63.5)
388.815 *12*	0.88 *4*	^{147}Pr(13.4 m)	77.9921(15), 314.675(13.2), 641.380(10.0)
388.89 *7*	0.455 *23*	^{81}Rb(4.576 h)	190.38(64.0), 446.15(23.2), 510.31(5.3)
388.90 *30*	0.47 *5*	^{115}Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
388.9 *2*	†52 *3*	^{115}Ag(18.0 s)	229.08(†100), 131.52(†77), 360.52(†16.3)
388.9 *1*	0.76 *4*	^{143}Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
388.9 *2*	†8.7 *10*	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 234.0(†40.0)
388.9 *3*	0.0048 *7*	^{243}Pu(4.956 h)	84.0(23), 41.8(0.76), 381.7(0.56)
• 388.92 *20*	0.0066 *13*	^{145}Eu(5.93 d)	893.73(66), 653.512(15.0), 1658.53(14.9)
388.96 *10*	0.129 *18*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
• 388.97 *10*	1.51 *8*	^{79}Kr(35.04 h)	261.29(13), 397.54(9.3), 606.09(8.12)
389.0 *1*	1.8 *3*	^{141}Tb(3.5 s)	293.3(16.8), 343.6(16.3), 198.4(14.8)
389.00 *10*	0.60 *8*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
389.0 *8*	†2.0 *9*	^{160}Tm(9.4 m)	125.8(†100), 728.5(†37), 264.1(†27)
• 389.0 *3*	†4.9×10^3	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^9), 33.195(†6000×10^8)
389.1 *2*	†8	^{139}I(2.29 s)	527.7(†100), 571.2(†98), 536.6(†67)
389.1 *3*	0.37 *4*	^{214}Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
• 389.1 *2*	†4.0 *9*	^{258}Md(51.5 d)	367.8(†100), 447.9(†37), 276.8(†20.2)
389.11 *4*	1.61 *17*	^{141}Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
389.11 *8*	0.0063 *8*	^{249}Cm(64.15 m)	634.31(1.5), 560.45(0.84), 368.76(0.35)
• 389.11 *8*	0.0264 *3*	^{253}Es(20.47 d)	41.79(0.050), 387.1(0.00810), 42.98(0.009)
389.12 *15*	0.0106 *16*	^{228}Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
389.14 *20*	0.031 *6*	^{87}Br(55.60 s)	1419.71(22.0), 1476.04(7.9), 1577.60(6.0)
389.20 *10*	0.64 *4*	^{83}Se(22.3 m)	356.687(70), 510.17(43), 224.8(32.7)
389.20 *30*	0.102 *25*	^{103}Ag(65.7 m)	118.72(31.2), 148.193(28.3), 266.86(13.3)
389.2 *3*	0.28 *11*	^{108}Tc(5.17 s)	242.25(82), 465.6(14.3), 707.81(11.4)
389.2 *3*	2.94 *4*	^{137}Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
389.2 *1*	12.5 *18*	^{141}Gd(24.5 s)	351.1(89), 223.9(64), 574.9(51)
389.2 *5*	0.20 *12*	^{208}Fr(59.1 s)	635.8(10), 778.5(6.8), 325.3(5.2)
389.25 *5*	0.87 *5*	^{97}Rh(30.7 m)	421.55(75), 840.13(12.0), 878.80(9.0)
389.26 *9*	0.38 *19*	^{63}Ga(32.4 s)	637.04(11), 627.10(10.3), 192.94(5.7)
389.3 *3*	0.21 *5*	^{97}Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
389.3 *3*	3.7	^{111}Sb(75 s)	154.48(71), 489.1(42), 1032.6(10.0)
389.3 *3*	†3.1 *6*	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
389.3 *3*	0.47 *12*	^{208}Fr(59.1 s)	635.8(10), 778.5(6.8), 325.3(5.2)
• 389.37 *10*	1.66 *6*	^{83}Sr(32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
389.37 *9*	0.212 *20*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
389.38 *3*	0.0480 *13*	^{166}Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
389.40 *7*	0.08 *6*	^{82}Rb(6.472 h)	776.517(84), 554.348(62.4), 619.106(37.976)
• 389.404 *14*	2.82 *6*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
• 389.44 *5*	0.070 *8*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
389.45 *15*	2.1 *4*	^{125}Cd(0.65 s)	436.29(37), 1099.48(22.3), 2147.19(19.1)
389.45 *15*	2.18 *13*	^{160}Yb(4.8 m)	173.74(42.0), 215.78(20.2), 140.35(9.3)
389.47 *5*	3.46 *25*	^{143}Gd(112 s)	271.94(84), 588.00(15.7), 798.89(10.7)
389.5		^{138}Nd(5.04 h)	325.76(2.84), 199.50(0.53), 341.65(0.40)
389.5 *2*	†2.33 *21*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
389.5 *2*	0.54 *18*	^{198}Pb(2.40 h)	290.3(36), 365.4(19), 173.4(18)
• 389.53 *3*	0.147 *7*	^{169}Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
389.531 *16*	1.52 *4*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
389.59 *7*	0.085 *5*	^{119}I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
389.59 *13*	0.307 *20*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
• 389.64 *2*	0.0364 *17*	^{143}Ce(33.039 h)	293.266(42.80), 57.356(11.7), 664.571(5.69)
389.70	12.68 *22*	^{25}Na(59.1 s)	974.72(14.95), 585.03(13.00), 1611.711(9.48)
389.70	0.023 *5*	^{25}Al(7.183 s)	1611.711(0.79), 974.72(0.024), 585.03(0.023)
389.7 *3*	0.10 *3*	^{117}Xe(61 s)	28.5(7.0), 221.3(10.0), 32.3(7.6)
389.7 *2*	0.38 *9*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
389.7 *4*	>0.8	^{176}Tm(1.9 m)	189.57(44.5), 1069.3(34), 381.8(21.8)
389.7 *3*	1.28 *9*	^{251}Cm(16.8 m)	542.7(10.9), 530.0(1.62), 438.2(1.24)
389.734 *15*	24.3 *25*	^{163}Tb(19.5 m)	351.138(26), 494.534(23), 421.860(11.5)
389.8 *1*	5.11 *9*	^{148}Ho(9.59 s)	1687.5(82.47), 660.8(58.94), 504.3(18.62)
389.8 *4*	†1.2	^{179}Os(6.5 m)	65.39(†100), 218.6(†17), 32.3(†17)
389.8 *4*	2.6 *5*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
389.83 *5*	0.193 *23*	^{132}Ce(3.51 h)	182.11(77), 155.37(10.5), 216.83(4.95)
389.85 *15*	0.56 *19*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
389.88 *4*	3.8 *3*	^{71}Zn(2.45 m)	511.56(32), 910.27(7.8), 121.51(3.0)
389.88 *4*	2.6 *3*	^{71}Zn(3.96 h)	386.28(93), 487.38(62), 620.18(57)
389.9 *4*	†2.8 *14*	^{155}Nd(8.9 s)	180.574(†100), 418.99(†75), 955.08(†50)
389.9 *5*	0.05 *3*	^{165}Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
389.9 *2*	0.038 *6*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
389.9 *2*	†3.4 *4*	^{203}At(7.4 m)	639.4(†100), 641.5(†55.8), 738.1(†38.4)
• 389.94 *15*	0.019 *4*	^{188}Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
389.94 *7*	6.2 *5*	^{202}Pb(3.53 h)	490.47(9.1), 459.72(8.6), 241.1(0.84)
389.94 *8*	1.10 *11*	^{203}Po(36.7 m)	908.64(55), 1090.95(19.2), 893.49(18.7)
389.97 *10*	1.46 *14*	^{140}Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
390.0 *5*	2.4 *5*	^{119}Cs(43.0 s)	176.05(29.7), 225.13(26), 257.9(17.4)
390.0	1.33 *5*	^{141}Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
390.0 *3*	†2.3	^{149}Ce(5.3 s)	57.7(†100), 380.0(†33.7), 86.4(†20.2)
• 390.02 *6*	0.0040 *5*	^{147}Eu(24.1 d)	197.299(27), 121.220(22.9), 677.516(9.8)
390.05 *5*	0.0528 *13*	^{127}Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
• 390.05 *17*	0.0019 *5*	^{131}Ba(11.50 d)	496.326(47), 123.805(28.97), 216.078(19.66)
390.10 *18*	0.077 *19*	^{207}Po(5.80 h)	992.33(59.3), 742.64(28.2), 911.79(16.95)
390.17 *6*	4.8 *3*	^{190}Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
390.2 *2*	4.9 *9*	^{132}La(24.3 m)	464.55(22), 663.07(11.6), 285.6(7)
390.20 *8*	†113 *6*	^{159}Yb(1.58 m)	166.16(†500), 177.12(†159), 330.24(†100)
390.21 *4*	0.300 *17*	^{200}Pt(12.5 h)	76.21(13), 135.90(3.24), 243.71(2.49)
390.28 *2*	2.72 *19*	^{191}Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
390.30 *10*	1.09 *10*	^{114}Sb(3.49 m)	1299.90(99), 887.60(17.4), 327.18(7.0)
390.3 *2*	0.76 *13*	^{136}Nd(50.65 m)	108.90(32), 40.2(18.9), 574.8(10.4)
390.3	0.5 *3*	^{148}Ba(0.607 s)	56.08(29.20), 133.53(3.88), 415.78(3.59)
390.3	0.11 *3*	^{149}Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
390.3 *4*	0.17 *3*	^{199}Pb(90 m)	366.90(44.2), 353.39(9.5), 1135.04(7.8)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
390.3 *4*	0.38 *5*	^{208}At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
• 390.3 *2*	0.04 *1*	^{235}U(7.038×10^{8} y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
390.38 *7*	†38 *3*	^{184}Ir(3.09 h)	263.97(†100), 119.80(†45), 961.22(†18.3)
390.4 *2*	0.9 *8*	^{73}Br(3.4 m)	64.9(37.0), 336.0(10.4), 699.8(9.1)
390.4 *2*	†>0.14	^{160}Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
• 390.40 *15*	0.0560 *22*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
390.4 *2*	†2.2 *7*	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
390.4 *3*	†5.9 *7*	^{198}Tl(1.87 h)	636.4(†202), 411.8044(†202), 587.2(†185)
• 390.4 *5*	0.007 *3*	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)
390.4 *6*	0.07	^{227}Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
390.433 *4*	0.07	^{182}Hf(61.5 m)	942.80(18.8), 799.64(9.4), 114.3152(6.2)
390.5 *4*	1.28 *12*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
390.50 *18*	1.53 *10*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
390.543 *11*	0.64 *4*	^{88}Kr(2.84 h)	2392.11(34.6), 196.301(25.98), 2195.842(13.18)
• 390.552 *1*	0.019 *4*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
390.57 *4*	1.25 *10*	^{208}Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
390.59 *16*	0.70 *11*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
390.6 *2*	0.00093 *20*	^{109}Pd(13.7012 h)	88.04(1.171), 311.4(0.032), 647.3(0.024)
390.6 *3*	0.072 *9*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
390.6 *2*	0.43 *10*	^{159}Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
390.6 *2*	0.31 *3*	^{164}Yb(75.8 m)	40.928(1.147), 675.41(0.38), 446.74(0.28)
390.6 *2*	0.043	^{164}Yb(75.8 m)	40.928(1.147), 675.41(0.38), 390.6(0.31)
• 390.62 *10*	†5.90×10^{4} *24*	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^{9}), 33.195(†6000×10^{8})
390.65 *20*	0.087 *12*	^{158}Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
390.7 *2*		^{106}In(6.2 m)	632.66(100), 861.16(92), 997.87(48)
390.7 *2*		^{106}In(5.2 m)	632.66(92), 1714.90(17.1), 861.16(10.6)
• 390.7 *5*		^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
• 390.70 *6*	0.054 *5*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
390.7 *1*	0.55 *4*	^{237}Am(73.0 m)	280.23(47.3), 438.4(8.3), 473.5(4.3)
390.7 *5*	0.00040 *8*	^{255}Fm(20.07 h)	81.477(0.81), 58.477(0.67), 80.92(0.27)
390.71 *17*	0.85 *15*	^{184}Au(53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
390.79 *16*	1.32 *23*	^{148}Ce(56 s)	269.519(17.0), 291.724(16.7), 121.169(13.2)
390.8 *3*	†6 *3*	^{131}Ce(10.3 m)	169.42(†100), 414.25(†68), 119.18(†44)
• 390.8 *3*	0.034 *12*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
390.8	†100	^{178}Yb(74 m)	348.4(†64), 42.4(†6.7)
• 390.85 *5*	0.0172 *20*	^{249}Cf(351 y)	388.16(66), 333.37(14.6), 252.80(2.50)
• 390.890 *8*	0.0224 *25*	^{77}Br(57.036 h)	238.996(23), 520.639(22.4), 297.215(4.16)
390.9 *1*	6.1 *3*	^{138}Pr(2.12 h)	1037.8(101), 788.742(100), 302.7(80)
390.9	0.008 *3*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
391.0 *11*	1.1 *1*	^{61}Mn(0.71 s)	628.6(16.7), 206.8(8.2), 422.0(0.68)
391.0 *3*	0.124 *16*	^{78}As(90.7 m)	613.725(54), 694.916(16.7), 1308.59(13.0)
391 *1*	0.05 *3*	^{109}Rh(80 s)	326.868(54), 426.135(7.7), 178.034(7.6)
391	†5.9	^{163}Lu(238 s)	163.08(†100), 54.00(†88), 396.34(†63)
• 391.0 *2*	35 *2*	^{194}Ir(171 d)	482.833(97), 328.455(93), 600.5(62)
391		^{206}Fr(0.7 s)	
391.039 *30*	3.5 *3*	^{106}Rh(131 m)	511.842(85), 1045.83(30.4), 717.24(28.9)
• 391.039 *30*	3.68 *18*	^{106}Ag(8.28 d)	511.842(88), 1045.83(29.6), 717.24(28.9)
391.10 *20*	†20 *3*	^{163}Lu(238 s)	163.08(†100), 54.00(†88), 396.34(†63)
391.13 *2*	0.052 *16*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
391.15 *2*	0.22 *6*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
391.15 *10*	0.162 *25*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
391.20 *10*	0.08 *4*	^{88}Kr(2.84 h)	2392.11(34.6), 196.301(25.98), 2195.842(13.18)
391.25 *7*	0.0259 *8*	^{111}Pd(23.4 m)	580.00(0.8), 70.44(0.78), 1459.0(0.56)
391.25 *7*	5.4 *4*	^{111}Pd(5.5 h)	70.44(8.3), 632.80(3.6), 575.0(3.2)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
391.3 *1*	0.36 *5*	^{108}In(39.6 m)	632.96(76), 1986.8(12.4), 3452.2(9.2)
391.3 *3*	1.69 *18*	^{118}Ag(2.0 s)	487.77(57), 677.13(53), 1058.39(14.8)
391.30 *15*	0.29 *6*	^{125}Cd(0.57 s)	1027.53(25.8), 1173.16(25.1), 736.65(12.6)
391.3 *4*	†2.9 *15*	^{155}Nd(8.9 s)	180.574(†100), 418.99(†75), 955.08(†50)
391.3 *7*	0.79 *8*	^{199}Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
• 391.32 *14*	0.00125 *21*	^{152}Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
391.32 *9*	14.2 *9*	^{157}Er(18.65 m)	53.05(24), 121.57(10.1), 150.4(3.0)
391.331 *16*	0.45 *11*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
391.34 *11*	2.34 *21*	^{81}Ge(7.6 s)	335.98(58.9), 792.94(34), 1495.53(19.9)
• 391.360 *2*	0.0030 *13*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
• 391.383 *18*	0.604 *5*	^{71}As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
391.39 *5*	11.4 *9*	^{130}In(0.55 s)	2258.79(88), 96.54(4.2), 2320.72(4.1)
391.40 *8*	0.30 *4*	^{165}Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
391.45 *14*	0.122 *16*	^{83}Se(70.1 s)	1030.86(21.2), 356.687(18), 987.96(16.1)
391.5 *4*		^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
391.57 *2*	2.60 *17*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
391.60 *20*	1.45 *10*	^{83}Y(7.08 m)	35.50(0.44), 882.1(6.30), 489.90(5.53)
391.6 *4*	†96 *9*	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 216.0(†96)
• 391.60 *7*	0.0078 *7*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
391.67 *8*	0.173 *23*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
• 391.690 *8*	64	^{113}Sn(115.09 d)	255.06(1.82), 638.03(0.00095), 382.6(>0.000060)
• 391.7 *4*	0.0019 *5*	^{99}Mo(65.94 h)	739.50(12.1), 181.063(6.08), 140.511(4.52)
391.7 *3*	0.32 *7*	^{99}Ag(124 s)	264.41(65), 832.29(13.5), 805.07(12.5)
391.7	0.015 *7*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
391.7 *2*	†12 *3*	^{153}Ho(9.3 m)	108.7(†100), 365.9(†92), 161.5(†83)
391.76 *10*	†3.5 *5*	^{165}Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
391.8 *5*	2.6 *13*	^{113}Te(1.7 m)	814.4(22), 1018.1(13.0), 1181.0(12.3)
• 391.8 *5*	0.95 *7*	^{127}Sb(3.85 d)	685.7(37), 473.0(25.7), 783.7(15.0)
391.8 *2*	†2.9 *3*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
391.8 *6*		^{191}Hg(50.8 m)	252.5(57), 420.1(18.6), 578.6(17.6)
391.83 *8*		^{93}Ru(59.7 s)	680.68(6), 1434.73(0.73), 1015.90(0.42)
391.83 *8*		^{93}Ru(10.8 s)	1396.2(39), 1111.2(26.2), 2039.1(9.2)
391.9 *4*	7.2 *13*	^{73}Kr(27.0 s)	177.8(65.8), 62.5(19.1), 454.8(15)
391.9 *4*	0.13 *7*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
392.0 *6*		^{134}Pr(11 m)	293.5(†100), 299.0(†100), 1196.8(†100)
392.0 *6*		^{134}Pr(17 m)	1964.1(†100), 1904.3(†100), 1579.9(†100)
392.00 *20*	0.063 *11*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
392.0 *4*	0.18 *9*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
392.08 *9*	0.00018 *5*	^{135}La(19.5 h)	480.51(1.5), 874.51(0.164), 587.83(0.1108)
392.1 *5*	0.037 *16*	^{107}Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
• 392.1 *5*	0.016 *9*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
392.1 *4*	0.71 *14*	^{176}Tm(1.9 m)	189.57(44.5), 1069.3(34), 381.8(21.8)
• 392.1 *5*	0.00013 *10*	^{253}Es(20.47 d)	41.79(0.050), 389.11(0.0264), 387.1(0.00810)
• 392.156 *54*	0.0344 *25*	^{71}As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
392.16 *8*	0.318 *20*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
392.2	†20.7	^{193}Pb(5.8 m)	365.2(†100), 716.4(†6.7), 735.8(†5.1)
392.2	>0.021	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
392.21 *13*	0.37 *3*	^{105}In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
392.3 *4*	0.066 *8*	^{112}Sb(51.4 s)	1257.05(96), 990.70(14.3), 670.0(3.7)
392.3 *2*	0.020 *2*	^{113}Ag(5.37 h)	298.58(10), 258.8(1.64), 316.3(1.343)
392.3 *2*	11	^{113}Ag(68.7 s)	316.3(18), 298.58(10), 583.8(3.6)
392.33 *7*	†22.2 *6*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
392.4	15.7 *8*	^{35}Si(0.78 s)	4100.7(36.5), 3859.5(32.7), 2386.3(31.6)
392.4 *4*	0.44 *5*	^{162}Ho(15.0 m)	80.660(8.0), 1319.3(3.8), 1372.8(0.81)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 392.4 *5*	†0.65 *16*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
392.4 *1*	0.17 *3*	^{236}Th(37.5 m)	110.8(4.2), 646.6(0.72), 196.0(0.69)
• 392.4 *5*	0.0016	^{239}Np(2.3565 d)	106.125(27.2), 277.599(14.38), 228.183(10.76)
• 392.4 *5*		^{243}Cm(29.1 y)	277.599(14.0), 228.183(10.6), 209.753(3.29)
392.42 *16*	7.1 *13*	^{184}Hg(30.6 s)	236.18(64), 156.24(58), 295.11(10.3)
392.44 *3*	0.250 *25*	^{133}Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
392.44 *3*	0.11 *6*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
392.47 *20*	8.8 *6*	^{107}Rh(21.7 m)	302.77(66), 312.21(4.8), 348.21(2.27)
392.5 *2*	0.77 *16*	^{126}Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
392.5 *3*	†15 *2*	^{131}Ce(10.3 m)	169.42(†100), 414.25(†68), 119.18(†44)
392.5 *1*	6.18 *20*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
392.5 *4*	0.33 *13*	^{153}Ho(2.0 m)	295.8(67), 637.0(5.36), 688.5(3.7)
392.5 *4*	0.39 *20*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 392.514 *26*	1.338 *9*	^{160}Tb(72.3 d)	879.383(30.01), 298.580(25.51), 966.171(25.21)
392.514 *26*	†1.18 *14*	^{160}Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
392.52 *6*	10.4 *16*	^{183}Ir(58 m)	228.70(6.9), 87.67(5.6), 282.39(4.9)
• 392.560 *5*	0.000205 *20*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
392.6 *4*	0.023 *12*	^{90}Kr(32.32 s)	1118.69(39.0), 121.82(35.5), 539.49(30.8)
392.61 *8*	0.60 *4*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
• 392.63 *4*	0.00210 *13*	^{161}Tb(6.88 d)	25.65150(23.2), 48.91562(17.0), 74.56711(10.2)
392.63 *10*	0.146 *23*	^{194}Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
• 392.64 *6*	1.98 *10*	^{105}Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
392.64 *6*	†>31	^{105}Ag(7.23 m)	319.14(†63000), 306.25(†12800), 442.37(†5900)
392.7 *6*	0.33	^{203}Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
392.7 *4*	0.07 *5*	^{245}Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
392.76 *14*	0.082 *12*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
392.8 *5*	0.7 *4*	^{195}Pb(15.0 m)	383.64(106.9), 394.21(44), 878.40(24.2)
• 392.87 *9*		^{88}Zr(83.4 d)	
392.9 *1*	†0.80 *8*	^{171}Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
392.94 *6*	0.80 *6*	^{207}At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
393.0 *1*	0.050 *3*	^{91}Sr(9.63 h)	1024.3(33), 749.8(23.61), 652.9(8.0)
393.0 *4*	0.0175 *14*	^{233}Np(36.2 m)	312.17(0.7), 298.89(0.44), 546.9(0.280)
393.1 *2*	1.3 *2*	^{104}Mo(60 s)	68.8(55), 69.7(17.8), 36.3(14)
393.1 *3*	0.37 *4*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
• 393.136 *2*	0.00035 *3*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
393.2 *2*	2.1	^{117}Cs(8.4 s)	204.8(15.0), 29.7(9.9), 205.6(6.8)
393.2 *2*	0.45	^{117}Cs(8.4 s)	204.8(15.0), 29.7(9.9), 205.6(6.8)
393.2 *2*	0.85 *12*	^{119}Ag(2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
393.2 *3*	0.23 *10*	^{121}Cs(155 s)	153.9(15.2), 239.6(7.7), 427.1(3.63)
393.2 *1*	0.16 *8*	^{121}Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
393.2 *2*	†4.9 *12*	^{152}Pr(3.24 s)	164.2(†100), 284.9(†81.0), 72.40(†38.9)
393.2	0.6 *3*	^{168}Lu(6.7 m)	198.82(28), 979.22(20), 896.12(15)
393.2 *6*	2.12 *16*	^{175}Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
• 393.22 *11*	0.12 *3*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
393.261 *11*	1.37 *3*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
393.3 *2*	0.10 *3*	^{101}Tc(14.22 m)	306.85(88), 545.06(6.0), 127.23(2.86)
393.3	6.7 *5*	^{179}Pt(21.2 s)	171.7(16), 193.1(14.2), 99.8(13.2)
393.32 *10*	0.70 *18*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
393.346 *7*	†105.2 *21*	^{196}Ir(1.40 h)	521.175(†104), 447.1(†102.1), 355.684(†102)
• 393.346 *7*	0.0101 *5*	^{196}Au(6.183 d)	355.684(87), 332.983(22.9), 521.175(0.389)
393.35 *6*	0.140 *9*	^{137}Xe(3.818 m)	455.490(31), 848.95(0.62), 1783.43(0.415)
393.36 *10*	3.77 *5*	^{105}Ru(4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
393.37 *9*	9.7 *4*	^{77}Rb(3.75 m)	66.52(57), 178.99(22.2), 149.93(4.3)
393.4 *1*	†2.4 *3*	^{123}La(17 s)	92.5(†100), 937.3(†43), 153.6(†43)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
393.4 *3*	†100 *5*	^{187}Pb(18.3 s)	331.4(†75), 343.5(†75), 331.4(†60)
393.4 *9*	0.029 *12*	^{192}Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
393.4 *10*	0.14 *3*	^{201}Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
393.408 *20*	0.122 *12*	^{157}Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
393.43 *7*	1.626 *16*	^{73}Se(39.8 m)	67.03(2.59), 253.70(2.356), 84.0(2.03)
393.46 *18*	†8.3 *17*	^{187}Hg(1.9 m)	233.38(†100), 376.34(†38), 240.26(†33)
393.5 *1*	1.25 *7*	^{92}Rb(4.492 s)	814.98(33), 2820.6(6.2), 569.8(5.6)
393.5 *1*	†3.8×10^{2}	^{93}Rb(5.84 s)	814.98(†27000), 569.8(†800), 963.5(†460)
393.5 *2*	<0.09	^{116}Cs(3.84 s)	524.3(76), 615.1(30.4), 622.3(10.4)
393.5 *2*		^{116}Cs(0.70 s)	
393.5 *2*	0.10 *5*	^{129}La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
393.50 *6*	6.7 *3*	^{139}Xe(39.68 s)	218.59(56), 296.53(21.7), 174.97(11.3)
• 393.5 *5*	0.011 *4*	^{223}Ra(11.435 d)	269.459(13.7), 154.21(5.62), 323.871(3.93)
• 393.529 *10*	0.220 *8*	^{67}Cu(61.83 h)	184.577(48.7), 93.311(16.1), 91.266(7.0)
• 393.529 *10*	4.68 *6*	^{67}Ga(3.2612 d)	93.311(39.2), 184.577(21.2), 300.219(16.80)
393.6 *2*	0.19	^{142}La(91.1 m)	641.285(47), 2397.8(13.3), 2542.7(10.00)
393.6 *3*	0.37 *18*	^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
393.65 *16*	†7.6 *8*	^{182}Ir(15 m)	273.23(†100), 126.79(†77), 236.3(†21.0)
393.7 *2*	†100	^{91}Ru(7.6 s)	1096.9(†24), 892.8(†15), 204.0(†6)
393.7 *3*	†42 *4*	^{195}Pb(15 m)	883.1(†100), 871.0(†36), 696.0(†31)
• 393.70 *15*	7.0×10^{-6} *3*	^{233}U(1.592×10^{5} y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
• 393.70		^{233}U(1.592×10^{5} y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
393.7		^{235}Pa(24.5 m)	652.053, 659.3, 645.896
393.74 *16*	0.58 *10*	^{197}Pb(43 m)	385.85(74), 387.72(25.1), 222.45(24.6)
• 393.80 *3*	0.0155 *22*	^{148}Pm(5.370 d)	1465.12(22), 550.284(22.00), 914.85(11.46)
393.86 *27*	0.151 *20*	^{99}Nb(2.6 m)	97.785(7), 253.50(3.64), 2641.3(3.64)
393.9	93 *5*	^{150}Ho(26 s)	653.3(100), 803.4(100), 550.9(88)
393.9 *1*	†100	^{151}Yb(1.6 s)	1050.2(†100), 1245.6(†100), 624.8(†100)
394.0 *2*	9	^{141}Eu(40.0 s)	384.5(5.6), 382.9(2.97), 593.1(2.95)
394.0 *2*	0.60 *13*	^{141}Eu(2.7 s)	882.9(0.54), 518.8(0.45), 804.4(0.44)
• 394.0 *5*		^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
394.00 *20*	0.040 *8*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
394.0 *5*	0.50 *10*	^{181}Os(105 m)	238.75(44), 826.77(20), 118.03(12.9)
394.00 *4*	3.12 *15*	^{193}Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
394.0 *10*	0.008 *4*	^{214}Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
394.03 *6*	2.236 *10*	^{62}Zn(9.186 h)	596.56(26), 40.84(25.5), 548.35(15.3)
394.04 *4*	0.0043 *3*	^{135}La(19.5 h)	480.51(1.5), 874.51(0.164), 587.83(0.1108)
394.1 *7*		^{84}Br(31.80 m)	881.610(42), 1897.761(14.7), 3927.5(6.8)
394.1 *3*	0.39 *5*	^{97}Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
394.1		^{199}Po(4.13 m)	1002.19(19), 1034.3(16), 362.01(7)
394.1 *1*	0.093 *10*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
394.17 *12*	0.129 *18*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
394.19 *20*	3.4 *10*	^{175}Tm(15.2 m)	514.868(65), 941.23(15), 363.942(12.7)
394.20 *10*	†17.5 *12*	^{142}Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
394.2 *1*	†143 *38*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
394.21 *12*	44	^{195}Pb(15.0 m)	383.64(106.9), 878.40(24.2), 707.67(14.0)
• 394.23 *9*	0.00060 *9*	^{151}Gd(124 d)	153.56(6.20), 243.28(5.60), 174.70(2.96)
394.34 *6*	0.218 *20*	^{161}Gd(3.66 m)	360.94(0.59), 314.92(22.7), 102.315(13.9)
394.351 *16*	11.93 *17*	^{157}Sm(482 s)	197.870(56.00), 196.461(16.8), 121.147(4.76)
394.39 *10*	5.1 *5*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
394.4 *3*	†16 *3*	^{147}Ho(5.8 s)	189.1(†100), 883.9(†100), 486.7(†61)
394.4 *5*	0.8 *3*	^{185}Ta(49.4 m)	177.59(25.7), 173.68(22.6), 65.86(3.9)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
394.4	0.08	^{185}Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
394.41 *5*	0.392 *21*	^{107}Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
• 394.474 *8*	0.0020 *13*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
394.5 *1*	†6.5 *7*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
394.5 *1*	†2.8 *6*	^{169}Ta(4.9 m)	511.0(†20.6), 28.80(†18.3), 192.4(†8)
• 394.5 *4*	0.043 *16*	^{190}Ir(11.78 d)	186.718(52.4), 605.24(39.9), 518.55(34.0)
394.52 *7*	0.46	^{137}I(24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
394.54 *8*	0.028 *10*	^{155}Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
394.6 *5*	0.38	^{101}Cd(1.2 m)	98.0(47), 1722.5(11), 1259.3(8)
394.6 *2*	0.44 *12*	^{108}Tc(5.17 s)	242.25(82), 465.6(14.3), 707.81(11.4)
394.6	86 *5*	^{148}Tb(2.20 m)	784.430(100), 631.947(95), 882.3(92)
394.6 *2*	0.033 *13*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
394.6 *4*	0.46 *8*	^{190}Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
394.66 *9*	†0.81 *7*	^{184}Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
394.7 *3*	0.12 *3*	^{92}Kr(1.840 s)	142.307(64), 1218.6(60), 812.6(14.6)
394.7 *3*	0.021 *11*	^{107}Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
394.7 *1*	†3.5 *9*	^{171}Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
394.74 *15*	2.1 *5*	^{197}Pb(8 m)	385.85(50), 761.14(13.3), 375.48(12.8)
394.8	37 *3*	^{39}S(11.5 s)	1301.7(52), 1696.5(44), 874.6(12.8)
394.9 *4*	0.15 *7*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
394.93 *9*	0.165 *13*	^{201}Pb(9.33 h)	331.19(79), 361.27(9.9), 945.96(7.4)
395	>0.13	^{99}Sr(0.269 s)	125.118(16.1), 536.12(14.0), 1198.12(9.2)
395.0 *3*	†5.4 *7*	^{111}Ru(2.12 s)	303.8(†100), 211.7(†77.7), 382.0(†41.3)
395	†7.8	^{163}Lu(238 s)	163.08(†100), 54.00(†88), 396.34(†63)
395.02 *41*	0.10 *4*	^{137}Nd(38.5 m)	75.5(17.0), 580.6(13), 306.60(10.0)
• 395.06 *40*	0.031 *19*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
395.1 *4*	†21.0 *14*	^{94}Kr(0.20 s)	629.2(†100), 764.5(†71), 219.466(†67.4)
395.1 *3*	0.220 *25*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
395.1 *3*	†23 *8*	^{234}Ac(44 s)	1847(†100), 1912(†91), 688.5(†87)
395.12 *20*	0.068 *12*	^{158}Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
395.14 *2*	1.11 *12*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
395.16 *25*	0.68 *10*	^{160}Yb(4.8 m)	173.74(42.0), 215.78(20.2), 140.35(9.3)
• 395.2 *1*	0.0053 *5*	^{177}Ta(56.56 h)	112.9498(7.2), 208.3664(0.94), 1057.8(0.29)
395.2 *2*	†4.3 *4*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
395.258 *14*	0.351 *11*	^{159}Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
395.28 *8*	†35 *5*	^{131}Ce(10.3 m)	169.42(†100), 414.25(†68), 119.18(†44)
395.30 *7*	0.0014	^{239}U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
395.4	0.19	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
395.4 *1*	†21.0 *9*	^{160}Lu(36.1 s)	243.2(†100), 577.2(†10.7), 1115.3(†6.8)
395.4 *1*	0.41 *3*	^{200}Po(11.5 m)	671.0(34.0), 617.7(19.7), 434.4(9.3)
• 395.41 *5*		^{156}Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
• 395.42 *6*	0.33 *3*	^{119}Te(4.70 d)	153.59(66), 1212.73(66), 270.53(28.0)
395.444 *10*	10.8 *3*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
395.48 *23*	0.79 *18*	^{78}Zn(1.47 s)	224.75(43.9), 181.68(28.1), 860.30(24.5)
395.5 *2*		^{106}In(6.2 m)	632.66(100), 861.16(92), 997.87(48)
395.5 *2*		^{106}In(5.2 m)	632.66(92), 1714.90(17.1), 861.16(10.6)
395.5 *3*	†2.7 *3*	^{120}Cs(64 s)	322.4(†100), 473.5(†30), 553.4(†19.1)
395.5 *5*	†2.2 *4*	^{194}Tl(33.0 m)	428.0(†100), 636.5(†23), 645.20(†13)
395.50 *7*	0.08	^{227}Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
• 395.50 *7*	0.00224 *25*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
395.54 *4*	48 *3*	^{206}At(30.0 m)	700.66(98), 477.10(86), 733.73(10.2)
395.6 *3*	0.00017 *7*	^{109}Pd(13.7012 h)	88.04(1.171), 311.4(0.032), 647.3(0.024)
395.6 *2*	1.64 *13*	^{141}Eu(40.0 s)	394.0(9), 384.5(5.6), 382.9(2.97)
395.6 *2*	0.11 *3*	^{141}Eu(2.7 s)	394.0(0.60), 882.9(0.54), 518.8(0.45)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
395.6 *3*	†138 *33*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
• 395.68 *10*	0.043 *5*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
395.7 *4*	†0.60 *17*	^{155}Tm(21.6 s)	226.8(†100), 531.7(†20), 88.1(†17)
395.70 *10*	0.28 *5*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
395.7 *2*	†5.0 *15*	^{159}Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
395.7 *2*	†7.1 *5*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
395.7 *3*	0.05 *5*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
395.70 *8*	0.43 *5*	^{205}At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
395.71 *7*	0.133 *3*	^{187}Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
395.74 *5*	1.23 *9*	^{208}At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
395.8 *8*	0.08 *4*	^{90}Rb(258 s)	831.69(94), 1375.36(16.7), 3317.00(14.4)
395.8 *4*	†13 *2*	^{135}Pm(49 s)	198.5(†100), 207.2(†70), 463.5(†62)
395.8 *3*	0.16 *4*	^{141}Eu(40.0 s)	394.0(9), 384.5(5.6), 382.9(2.97)
395.87 *20*	0.10 *3*	^{245}Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
395.90 *20*	0.095 *10*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
395.9 *3*	†17 *4*	^{166}W(18.8 s)	125.8(†310), 224.6(†24.0), 172.5(†17.8)
• 395.95 *10*	0.188 *5*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
396.0 *3*	0.81 *9*	^{74}Kr(11.50 m)	89.65(31), 203.0(18.0), 296.67(9.9)
396.0 *2*	0.43 *5*	^{136}I(83.4 s)	1313.02(67), 1321.08(24.8), 2289.6(10.4)
• 396.00 *10*	34.3 *16*	^{147}Gd(38.06 h)	229.32(63), 929.01(20.2), 370.0(17.2)
• 396.0 *5*	0.00201 *25*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
396.0	†100	^{163}Ta(10.6 s)	451.1(†70), 448.7(†60), 210.0(†50)
396.01 *12*	0.022 *11*	^{214}Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
396.08 *8*	0.21 *3*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
396.1 *7*	0.27 *5*	^{201}Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
396.2 *6*	0.29 *4*	^{95}Y(10.3 m)	954.00(16), 2175.6(7.00), 3576.0(6.4)
396.2 *7*	0.052 *19*	^{107}In(32.4 m)	204.97(47), 505.51(11.9), 320.92(10.2)
396.2	0.15	^{111}Sb(75 s)	154.48(71), 489.1(42), 1032.6(10.0)
396.2 *1*	†2.0 *10*	^{172}Ir(2.0 s)	227.8(†100.0), 378.4(†62.0), 448.4(†40.5)
396.3 *5*	5 *3*	^{73}Kr(27.0 s)	177.8(65.8), 62.5(19.1), 454.8(15)
396.3 *3*	0.063 *18*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
• 396.329 *20*	6.40 *10*	^{175}Yb(4.185 d)	282.522(3.01), 113.805(1.88), 144.863(0.328)
396.34 *10*	†63 *7*	^{163}Lu(238 s)	163.08(†100), 54.00(†88), 371.73(†62)
396.35 *10*	0.76 *8*	^{140}Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
396.4 *3*	0.14 *3*	^{152}Tb(4.2 m)	344.281(20.8), 411.115(18.8), 471.9(12.2)
396.4 *3*	3.0 *8*	^{163}Gd(68 s)	287.79(25), 214.0(11.5), 1562.1(9.0)
396.40 *5*	0.47 *9*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
396.4 *3*	†18	^{238}Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
396.42	3.5 *11*	^{39}S(11.5 s)	1301.7(52), 1696.5(44), 394.8(37)
396.44 *3*	64.3 *6*	^{108}Sn(10.30 m)	272.75(45.5), 669.08(22.6), 168.62(19.9)
396.453	0.0440 *16*	^{39}Cl(55.6 m)	1267.185(54), 250.332(46.3), 1517.508(39.2)
396.49 *4*	†1.16 *7*	^{153}Pm(5.4 m)	35.842(†100), 127.298(†75), 28.309(†34.6)
396.5	0.22 *4*	^{198}Pb(2.40 h)	290.3(36), 365.4(19), 173.4(18)
396.513 *10*	6.30 *13*	^{138}Xe(14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
396.54 *21*	0.051 *12*	^{90}Kr(32.32 s)	1118.69(39.0), 121.82(35.5), 539.49(30.8)
396.55 *30*	0.07 *4*	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
396.55 *7*	0.0467 *24*	^{210}Rn(2.4 h)	458.25(1.7), 648.70(0.843), 570.95(0.840)
396.56 *10*	6	^{115}Pd(25 s)	342.71(8), 303.87(7), 556.3(6)
396.6 *4*	0.174 *8*	^{117}In(43.2 m)	553.00(100), 158.562(87), 156.02
396.6 *2*	0.91 *8*	^{121}Xe(40.1 m)	252.7(13), 132.8(10.9), 445.2(7.7)
396.6 *3*	0.73 *10*	^{121}Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
396.65 *10*	0.078 *10*	^{224}Fr(3.30 m)	215.985(33.1), 131.613(16.3), 836.90(9.8)
• 396.7 *2*	0.010 *3*	^{191}Pt(2.9 d)	538.90(13.7), 409.44(8.0), 359.90(6.0)
• 396.7 *1*	8.0×10^{-6} *1*	^{233}U(1.592×10^{5} y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
396.76 *4*	0.073 *3*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
396.8 *4*	†0.44 *10*	^{155}Tm(21.6 s)	226.8(†100), 531.7(†20), 88.1(†17)
396.861	11.85 *8*	^{43}K(22.3 h)	372.760(87), 617.490(79.2), 593.390(11.26)
• 396.90 *4*	0.06 *3*	^{110}Ag(249.79 d)	657.7622(94.0), 884.685(72.2), 937.493(34.13)
396.9 *4*	0.35 *4*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
396.9 *3*	0.018 *5*	^{139}Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
396.9 *2*	0.74 *12*	^{231}Ac(7.5 m)	282.471(39.0), 307.063(30.4), 221.399(16.8)
396.94 *8*	0.74 *4*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
396.97 *4*	0.72 *6*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
397		^{82}Zr(32 s)	525, 278, 248
397.0 *6*	†33 *6*	^{87}Mo(13.4 s)	262.5(†100), 585.5
397.0 *3*	0.86 *11*	^{118}I(8.5 m)	605.71(99), 600.71(92), 614.42(65)
397.0 *3*	†5.0 *11*	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 234.0(†40.0)
397.0 *7*	†2.4 *2*	^{182}Ir(15 m)	273.23(†100), 126.79(†77), 236.3(†21.0)
397.02 *10*	1.48 *4*	^{166}Lu(2.65 m)	228.12(77.3), 337.50(41), 367.95(31.4)
397.06 *12*	†10.4 *21*	^{168}Lu(5.5 m)	1483.65(†100), 228.58(†97), 111.8(†68)
• 397.11 *4*	0.103 *10*	^{189}Re(24.3 h)	216.663(5.50), 219.395(4.54), 245.09(3.5)
• 397.14 *2*	0.0289 *11*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
397.14 *15*	0.175 *25*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
397.2 *1*	0.20 *6*	^{117}Cd(2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
397.2 *2*	23 *3*	^{132}Pm(6.3 s)	212.5(88), 610.4(12.3), 823.5(11.4)
397.2	0.50 *25*	^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)
397.2 *3*	63	^{150}Dy(7.17 m)	
397.2 *3*	†1.4 *5*	^{171}Hf(12.1 h)	122.0(†100), 662.2(†83), 347.18(†47)
397.2 *2*	†3.6	^{256}Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
397.27 *10*	<0.03	^{16}C(0.747 s)	120.42(0.67), 298.22(<0.5), 276.85(<0.07)
397.3 *2*	†3.4 *2*	^{203}At(7.4 m)	639.4(†100), 641.5(†55.8), 738.1(†38.4)
397.388 *17*	7.9 *4*	^{190}Re(3.1 m)	186.718(48.4), 557.972(28.2), 223.811(26.0)
397.388 *17*	6.2 *6*	^{190}Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
• 397.388 *17*	6.54 *21*	^{190}Ir(11.78 d)	186.718(52.4), 605.24(39.9), 518.55(34.0)
397.440 *9*	94.3 *16*	^{144}La(40.8 s)	541.20(39.2), 844.8(22.3), 585.02(7.97)
397.49 *11*	0.099 *12*	^{197}Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
397.5 *2*	1.52 *9*	^{118}Cs(14 s)	337.4(100), 472.8(37.4), 586.6(15.4)
397.50 *4*	0.133 *10*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
397.5 *3*	†0.92 *9*	^{192}Tl(9.6 m)	422.8(†100), 634.8(†75.9), 786.3(†31.7)
• 397.52 *5*	0.073 *5*	^{140}La(1.6781 d)	1596.210(95), 487.021(45.5), 815.772(23.28)
• 397.54 *10*	9.3 *3*	^{79}Kr(35.04 h)	261.29(13), 606.09(8.12), 306.47(2.6)
397.6 *1*	6.05 *14*	^{79}Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
397.6	0.30	^{83}Zr(44 s)	55.55(8), 104.97(5.70), 475.1(5.1)
397.6 *4*	0.28 *14*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
397.6 *6*	0.49 *24*	^{130}La(8.7 m)	357.4(81.0), 550.7(25.9), 908.0(17.0)
397.67 *3*	2.02 *21*	^{118}Ag(2.0 s)	487.77(57), 677.13(53), 1058.39(14.8)
397.676 *8*	1.457 *15*	^{143}Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
397.69 *20*		^{102}Nb(1.3 s)	948.85, 847.37, 551.54
397.69 *20*	3.4 *7*	^{102}Nb(4.3 s)	296.611(79), 1633.10(41), 551.54(30)
397.7 *4*	12	^{102}In(24 s)	776.6(100), 861.1(96), 593.1(30)
397.7 *3*	1.19 *4*	^{137}Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
• 397.7 *3*	0.79 *3*	^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
397.7 *1*	2.9 *5*	^{198}Pb(2.40 h)	290.3(36), 365.4(19), 173.4(18)
397.7 *1*	0.41 *4*	^{230}Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
• 397.7 *1*	1.87 *16*	^{230}Pa(17.4 d)	951.95(1.65), 918.48(8.2), 454.95(6.27)
397.7 *3*	0.027 *6*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
397.75 *6*	0.600 *24*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
397.81 *7*	0.026 *7*	^{29}Al(6.56 m)	1273.367(90.6), 2425.907(5.7), 2028.12(3.7)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
397.81 *7*	0.00044 *12*	^{29}P(4.140 s)	1273.367(1.549), 2425.907(0.097), 2028.12(0.063)
397.83 *13*	1.57 *11*	^{91}Kr(8.57 s)	108.788(43.5), 506.592(19.1), 612.87(7.7)
397.859 *12*	2.9 *3*	^{183}Hf(1.067 h)	783.754(66), 73.174(38), 459.069(27)
397.9 *4*	†1.7 *3*	^{164}Hf(111 s)	122.1(†100), 153.3(†47), 313.7(†22)
397.94 *5*	0.092 *7*	^{89}Br(4.40 s)	1097.82(6.00), 997.93(4.26), 953.53(4.26)
397.94 *10*	0.028 *3*	^{228}Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
397.95 *2*	1.03 *7*	^{69}As(15.2 m)	232.69(11), 145.95(4.96), 86.78(3.44)
397.98 *21*	1.75 *15*	^{186}Tl(27.5 s)	405.43(92), 402.72(45.9), 356.84(29.3)
398.0 *3*	†1.4 *3*	^{101}Nb(7.1 s)	276.10(†100), 157.466(†32), 13.5(†32)
• 398 *1*	0.00048	^{125}Sn(9.64 d)	1067.10(10), 1089.15(4.59), 822.48(4.28)
398		^{127}Ce(32 s)	58.4(7.3), 253.0, 177.0
398.00 *15*	†2.6 *5*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
398.0 *3*	0.09 *7*	^{190}Au(42.8 m)	295.78(71.0), 301.82(23.4), 597.67(9.4)
• 398.00 *3*	10.74 *10*	^{206}Bi(6.243 d)	803.10(99), 881.01(66.2), 516.18(40.7)
• 398 *7*		^{247}Cm(1.56×10^{7} y)	402.6(72), 278.0(3.4), 287.4(2.0)
398.05 *5*	0.497 *17*	^{135}Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
398.06 *24*	†2.1 *4*	^{165}Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
398.08 *9*	0.008 *1*	^{52}V(3.75 m)	1434.068(100), 1333.649(0.588), 1530.67(0.116)
• 398.08 *9*	†0.089 *6*	^{52}Mn(5.591 d)	1434.068(†100.0), 935.538(†94.9), 744.233(†90.6)
398.1 *3*	16 *5*	^{116}Rh(0.68 s)	340.5(45), 738.1(12)
398.1 *3*	13 *3*	^{116}Rh(0.9 s)	340.5(90), 639.4(52), 538.4(40)
398.1 *2*	4.7 *4*	^{152}Ho(49.5 s)	647.2(92), 613.8(88.4), 683.3(88)
398.1 *2*	0.0047 *10*	^{167}Yb(17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
398.1 *3*	0.16 *4*	^{188}Hg(3.25 m)	66.7(63), 190.1(4.40), 82.7(2.6)
398.14 *12*	0.0082 *12*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
• 398.15 *6*	0.0088 *10*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
• 398.155 *20*	0.87 *6*	^{147}Nd(10.98 d)	91.105(28), 531.016(13.1), 319.411(1.95)
398.2 *2*	0.53 *5*	^{188}Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
398.24 *16*	0.64 *16*	^{181}Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
• 398.242 *8*	0.023 *13*	^{200}Tl(26.1 h)	367.943(87), 1205.717(29.9), 579.298(13.8)
398.3 *4*	†0.48 *9*	^{120}Cs(64 s)	322.4(†100), 473.5(†30), 553.4(†19.1)
398.3 *7*		^{173}Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
• 398.3 *2*	0.00056 *9*	^{177}Ta(56.56 h)	112.9498(7.2), 208.3664(0.94), 1057.8(0.29)
• 398.4 *4*	0.031 *19*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
398.4 *4*	0.08	^{227}Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
398.5	0.30	^{83}Zr(44 s)	55.55(8), 104.97(5.70), 475.1(5.1)
398.5 *2*	0.32 *4*	^{185}Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
398.58 *5*	0.61 *6*	^{71}Zn(2.45 m)	511.56(32), 910.27(7.8), 389.88(3.8)
398.60 *10*	0.84 *7*	^{99}Ag(124 s)	264.41(65), 832.29(13.5), 805.07(12.5)
398.6 *2*		^{115}Pd(25 s)	342.71(8), 303.87(7), 396.56(6)
398.6 *4*	†6.9 *10*	^{193}Tl(21.6 m)	324.37(†100), 1044.7(†59), 676.10(†48)
• 398.613 *7*	0.021 *4*	^{200}Tl(26.1 h)	367.943(87), 1205.717(29.9), 579.298(13.8)
• 398.62 *8*	1.390 *12*	^{233}Pa(26.967 d)	312.17(38.6), 300.34(6.62), 340.81(4.47)
• 398.64 *15*	†2.0×10^{4}	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^{9}), 33.195(†6000×10^{8})
398.65 *15*	18.1 *11*	^{110}Rh(28.5 s)	373.80(91), 546.90(42.4), 687.70(25.8)
398.66 *14*	†16.7 *14*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
398.7 *3*	0.14 *4*	^{100}Rh(20.8 h)	539.59(78.4), 2376.1(35.3), 1553.4(21)
398.7 *2*	†14.1 *14*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
398.8 *3*	0.47 *7*	^{121}Cs(155 s)	153.9(15.2), 239.6(7.7), 427.1(3.63)
398.8 *5*	0.014	^{233}Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
• 398.816 *12*	0.0446 *11*	^{149}Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
398.83 *13*	0.34 *3*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
398.87 *7*	0.90 *17*	^{167}Ho(3.1 h)	346.547(56), 321.336(23.5), 237.873(5.0)
398.9 *1*	0.37 *3*	^{96}Rb(0.199 s)	815.0(78.00), 692.0(8.0), 813.2(7.0)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
398.9 *2*	0.336 *24*	^{141}Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
• 398.9 *1*	0.032 *5*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
398.9 *2*	0.14 *4*	^{157}Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
398.9 *6*	88	^{173}Tm(8.24 h)	461.4(6.9), 62.6(0.9)
398.9 *4*	0.077 *14*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
398.91 *5*	0.90 *5*	^{101}Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
398.92 *5*	0.35 *3*	^{187}Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
398.953 *9*	1.32 *7*	^{157}Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
398.99 *8*	0.056 *5*	^{105}Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
399.0 *2*	†2.8 *6*	^{101}Nb(7.1 s)	276.10(†100), 157.466(†32), 13.5(†32)
399.0 *2*	†23	^{138}Eu(12.1 s)	346.6(†100), 544.2(†55), 685.4(†41)
399.0 *2*	†30 *2*	^{175}Ir(9 s)	105.7(†100)
• 399.0		^{188}Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
• 399.0 *4*	†0.16	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
399.01 *5*	0.096 *3*	^{77}Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
399.01 *12*	0.118 *10*	^{93}Kr(1.286 s)	253.42(41.2), 323.89(24.1), 266.83(20.6)
399.05 *10*	0.93 *11*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
399.1 *2*	10.9 *17*	^{119}Ag(2.1 s)	626.4(13), 366.2(12.1), 213.4(8.8)
399.1	0.015 *6*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
399.16 *5*	5.1 *6*	^{77}Zn(2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
399.2 *4*	0.09 *5*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
399.3 *3*	3.50 *20*	^{69}Se(27.4 s)	97.98(66), 66.4(24.8), 691.8(16.6)
399.4	0.27	^{96}Y(9.6 s)	1750.42(89), 915.0(60), 617.1(56)
399.4	0.48	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
399.4 *2*	0.00048	^{239}U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
399.41 *3*	31.8 *12*	^{88}Nb(14.5 m)	1082.53(103), 1057.01(100), 671.20(64)
399.41 *3*	45.7 *16*	^{88}Nb(7.8 m)	1057.01(89.3), 1082.53(53.9), 450.52(26.6)
399.43 *19*	0.77 *20*	^{148}Ce(56 s)	269.519(17.0), 291.724(16.7), 121.169(13.2)
399.5 *2*	0.34 *4*	^{76}Br(16.2 h)	559.101(74), 657.041(15.9), 1853.67(14.7)
399.5 *2*		^{76}Br(16.2 h)	559.101(74), 657.041(15.9), 1853.67(14.7)
399.5 *5*	0.39 *8*	^{80}Ga(1.697 s)	659.14(78.0), 1083.47(48.4), 1109.36(18.6)
399.5 *10*	>0.16	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
• 399.535 *10*	5.9×10^{-6} *3*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
• 399.57 *5*	†0.181 *7*	^{52}Mn(5.591 d)	1434.068(†100.0), 935.538(†94.9), 744.233(†90.6)
399.6 *5*		^{128}Pr(3.1 s)	550.6, 873, 799
399.62 *10*	0.030 *3*	^{228}Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
399.64 *2*	2.436 *12*	^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
399.65 *10*	0.299 *19*	^{98}Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
399.7 *5*	0.026 *7*	^{81}Rb(4.576 h)	190.38(64.0), 446.15(23.2), 510.31(5.3)
• 399.7 *5*		^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
399.7 *5*	†3.4 *11*	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 234.0(†40.0)
• 399.7 *3*	0.122 *15*	^{252}Es(471.7 d)	52.33(0.55), 64.42(0.274), 418.5(0.220)
• 399.750 *15*	0.119 *7*	^{172}Tm(63.6 h)	78.7435(6.5), 1093.657(6.0), 1387.093(5.6)
• 399.750 *15*	0.551 *14*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
399.8 *6*	0.10 *3*	^{30}Al(3.60 s)	2235.24(65), 1263.23(40), 3498.37(32)
399.80 *10*	3.56 *22*	^{99}Pd(21.4 m)	136.00(73), 263.60(15.2), 673.38(6.9)
399.84 *2*	4.7 *3*	^{191}Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
399.86 *14*	0.16 *4*	^{162}Yb(18.87 m)	163.35(40.0), 118.70(33.6), 576.10(3.24)
399.87 *8*	0.51 *6*	^{208}Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
399.9 *2*	5.6 *9*	^{103}Zr(1.3 s)	248(100), 164.05(94), 126.30(84)
399.9 *3*	0.090 *18*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
399.95 *10*	0.0221 *25*	^{230}Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
• 399.95 *10*	0.63 *3*	^{230}Pa(17.4 d)	951.95(1.65), 918.48(8.2), 454.95(6.27)
399.98 *16*	0.68 *10*	^{206}At(30.0 m)	700.66(98), 477.10(86), 395.54(48)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
400.0 *5*	0.13 *3*	^{96}Rh(9.90 m)	832.57(100), 685.49(95.7), 631.71(74.5)
400.0 *8*	0.318 *13*	^{135}Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)
400.0	0.34	^{145}Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)
400.0 *3*	0.111 *17*	^{181}Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
400.0 *3*	†1.1 *4*	^{182}Ir(15 m)	273.23(†100), 126.79(†77), 236.3(†21.0)
400.0 *3*	†0.16 *2*	^{184}Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
400.0 *3*	0.038 *6*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
400 *20*		^{256}Md(78.1 m)	
• 400.010 *60*	0.147 *10*	^{124}Sb(60.20 d)	602.730(97.8), 1690.980(47.3), 722.786(10.76)
400.1 *3*	0.075 *25*	^{105}Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
400.1 *2*	1.57 *24*	^{119}Ag(2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
400.1 *3*	†12 *7*	^{234}Ac(44 s)	1847(†100), 1912(†91), 688.5(†87)
400.17 *9*	0.16 *10*	^{100}Nb(1.5 s)	535.60(45.7), 528.24(9.1), 159.547(8.8)
400.20 *5*	0.013 *4*	^{127}Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
400.2 *2*	†390 *38*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
400.27 *25*	0.26 *3*	^{122}In(1.5 s)	1140.55(29), 2759.13(3.1), 1013.34(2.7)
400.3	†100	^{107}Mo(3.5 s)	65.7(†>92), 384.4(†57.6), 483.6(†41.6)
400.30 *20*	†16.0 *20*	^{163}Lu(238 s)	163.08(†100), 54.00(†88), 396.34(†63)
400.4 *2*	1.56 *10*	^{97}Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
400.4 *3*	4.1 *5*	^{112}Rh(6.8 s)	348.70(87), 560.5(49), 1098.6(39)
400.4	>1.1	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
400.42 *16*	0.245 *16*	^{97}Zr(16.91 h)	743.36(93), 507.64(5.03), 1147.97(2.61)
400.45 *97*	0.9 *6*	^{174}W(31 m)	35.42(14.1), 428.83(12.7), 328.68(9.5)
400.48 *4*	19.2 *8*	^{100}Zr(7.1 s)	504.25(31), 498.0(0.72), 103.7(0.67)
• 400.52 *12*	0.17 *3*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 400.520 *11*	0.140 *3*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
400.54 *8*	1.29 *11*	^{199}Pb(90 m)	366.90(44.2), 353.39(9.5), 1135.04(7.8)
400.55 *10*	†20.0 *8*	^{165}Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
400.56 *5*	36.6 *10*	^{28}Mg(20.91 h)	30.6383(95), 1342.27(52.6), 941.72(38.3)
400.6 *1*	6.0 *3*	^{73}Br(3.4 m)	64.9(37.0), 336.0(10.4), 699.8(9.1)
400.6 *2*	1.14 *16*	^{126}Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
400.6600 *11*	0.0039 *19*	^{75}Ge(47.7 s)	136.0008(0.020), 121.1166(0.0050), 279.5441(0.0043)
• 400.6600 *11*	11.37 *6*	^{75}Se(119.779 d)	264.6584(58.50), 136.0008(58.3), 279.5441(24.79)
400.67 *16*	0.30 *4*	^{151}Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
400.68 *13*	0.193 *25*	^{197}Pb(43 m)	385.85(74), 387.72(25.1), 222.45(24.6)
400.7 *3*	0.21 *5*	^{91}Kr(8.57 s)	108.788(43.5), 506.592(19.1), 612.87(7.7)
400.7 *5*	0.39 *4*	^{135}Pr(24 m)	296.12(24), 82.64(13.7), 213.45(13.0)
400.7 *4*	0.30 *12*	^{208}At(1.63 h)	686.527(98), 660.040(89), 177.595(48.6)
• 400.74 *12*	0.007 *3*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
400.74 *17*	0.065 *11*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
400.8 *5*	0.043 *21*	^{140}Cs(63.7 s)	602.345(71.1), 908.25(11.6), 1200.25(6.39)
400.80 *5*	0.173 *14*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
400.8 *2*	0.71 *8*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
400.8 *13*	0.024 *24*	^{175}Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)
400.8 *1*	1.6 *3*	^{187}Pt(2.35 h)	106.46(9), 201.52(6.4), 110.04(5.7)
400.80 *12*	0.68 *8*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
400.89 *7*	3.94 *13*	^{187}Ir(10.5 h)	912.95(4.79), 427.12(4.12), 610.68(3.93)
400.9 *2*	6.2 *3*	^{196}Bi(308 s)	1049.21(87), 689.00(35.5), 776.6(9.1)
400.9 *2*	†0.14 *5*	^{196}Bi(240 s)	1049.21(†21.1), 371.93(†20.8), 689.00(†19.2)
400.97 *5*		^{187}Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
• 400.98 *25*		^{171}Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
• 400.99 *4*	0.329 *19*	^{176}Lu(3.78×10^{10} y)	306.78(94), 201.83(86), 88.34(13.3)
401.0	0.008	^{135}Ce(17.7 h)	265.56(41.8), 300.07(23.5), 606.76(18.8)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
401.00 *8*	†36 *4*	^{168}Lu(5.5 m)	1483.65(†100), 228.58(†97), 111.8(†68)
401.08 *22*	0.0116 *25*	^{139}Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
• 401.15 *5*	0.0091 *8*	^{82}Br(35.30 h)	776.517(83.5), 554.348(70.8), 619.106(43.4)
401.15 *5*	0.51 *8*	^{82}Rb(6.472 h)	776.517(84), 554.348(62.4), 619.106(37.976)
401.17 *10*	1.2 *3*	^{151}Pr(18.90 s)	880.19(13), 189.057(11.8), 484.501(11.3)
401.19 *7*	2.66 *11*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
401.2 *3*	0.46 *9*	^{95}Rh(5.02 m)	941.6(72), 1352.0(20.8), 677.6(5.80)
401.2 *2*	16.2 *17*	^{104}Sn(20.8 s)	132.7(56), 912.6(42), 1407.3(15.1)
401.2 *2*	0.087 *16*	^{124}Cs(30.8 s)	353.9(40), 914.8(4.0), 492.6(3.6)
401.20 *12*	0.68 *5*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
401.2 *3*	0.064 *14*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
• 401.258 *14*	0.1911 *21*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
401.3 *4*	0.0325 *19*	^{72}Ga(14.10 h)	834.01(96), 2201.69(25.9), 629.95(24.8)
401.3 *5*	0.036 *8*	^{112}Sb(51.4 s)	1257.05(96), 990.70(14.3), 670.0(3.7)
• 401.30 *20*	0.009 *3*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
401.3 *3*	0.11 *3*	^{193}Au(17.65 h)	186.17(10.1), 255.57(6.7), 268.22(3.9)
401.30 *15*	0.28 *9*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
401.3 *4*	†1.0 *3*	^{195}Bi(183 s)	807.6(†100), 831.7(†100), 776.2(†95)
401.3 *5*	0.0028 *7*	^{230}Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
• 401.3 *5*	0.025 *6*	^{230}Pa(17.4 d)	951.95(1.65), 918.48(8.2), 454.95(6.27)
• 401.3 *30*	†4.9×10^3	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^9), 33.195(†6000×10^8)
401.31 *5*	0.42 *3*	^{183}Os(9.9 h)	1101.94(49.0), 1107.92(22.36), 1034.85(6.02)
• 401.323 *10*	3.35 *7*	^{203}Pb(51.873 h)	279.1967(81), 680.516(0.753)
401.36 *5*	2.17 *10*	^{138}Xe(14.08 m)	258.411(31.5), 434.562(20.3), 1768.26(16.7)
401.4 *3*	0.22 *3*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
401.4 *6*	0.054 *19*	^{142}Cs(1.70 s)	359.598(27.2), 1326.46(12.92), 966.89(9.0)
401.4 *3*		^{144}Cs(1.01 s)	199.326(†100.0), 639.00(†21.2), 758.96(†20.6)
401.44 *20*	0.0194 *22*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
401.47 *7*	1.249 *12*	^{73}Se(39.8 m)	67.03(2.59), 253.70(2.356), 84.0(2.03)
401.47 *20*	0.68 *12*	^{103}Tc(54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
401.5 *3*	0.046 *7*	^{93}Kr(1.286 s)	253.42(41.2), 323.89(24.1), 266.83(20.6)
401.50 *20*	0.11 *6*	^{106}Tc(35.6 s)	270.07(56), 2239.30(13.6), 1969.40(8.9)
401.5		^{180}Os(21.5 m)	20.1(†100), 717.4, 667.0
401.592 *13*		^{102}Nb(1.3 s)	948.85, 397.69, 847.37
401.592 *13*	1.9 *4*	^{102}Nb(4.3 s)	296.611(79), 1633.10(41), 551.54(30)
401.6 *3*	†95 *29*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
401.61		^{98}Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
• 401.65 *7*	0.174 *12*	^{105}Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
401.68 *3*	0.264 *7*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
401.7 *3*	0.20 *10*	^{102}Nb(4.3 s)	296.611(79), 1633.10(41), 551.54(30)
401.74 *15*	0.0048 *16*	^{195}Hg(9.9 h)	779.80(7), 61.46(6.2), 585.13(1.99)
401.75 *5*	4.2 *4*	^{81}Ge(7.6 s)	335.98(58.9), 792.94(34), 1495.53(19.9)
401.75 *5*	4.3 *4*	^{81}Ge(7.6 s)	93.10(26), 335.98(12.8), 197.30(12.3)
401.8 *1*	0.809 *23*	^{79}Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
401.8 *4*	0.09 *3*	^{109}Sn(18.0 m)	1099.4(30), 649.90(28.0), 1321.3(11.9)
401.8 *1*	12.8 *8*	^{145}Ho(2.4 s)	339.8(15), 312.9(14.3), 334.1(13.5)
401.8 *2*	†3.7 *4*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
401.8 *2*	0.036 *10*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
401.81 *1*	†1.0 *4*	^{215}Bi(7.6 m)	293.54(†100), 271.23(†5.5), 517.63(†1.9)
401.81 *1*	6.37 *22*	^{219}Rn(3.96 s)	271.23(10.8), 130.59(0.119), 293.54(0.073)
401.821 *16*	7.2 *4*	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
401.86 *17*	0.24 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
401.9 *10*		^{77}Ga(13.2 s)	469.4(†100), 458.6(†48), 2187.3

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
401.90 *5*	0.031 *4*	^{127}Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
401.9	0.06	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
401.9 *5*	0.020 *11*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
401.9 *2*	0.112 *18*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
• 401.92 *18*	0.015 *4*	^{195}Hg(41.6 h)	261.75(30.9), 560.27(7), 387.87(2.15)
401.943 *17*	2.50 *25*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
401.96 *11*	0.035 *4*	^{155}Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
402.00 *29*	0.043 *9*	^{112}Ag(3.130 h)	617.27(43), 1387.67(5.4), 606.49(3.1)
402		^{112}In(14.97 m)	617.27(4.6), 606.49(1.111), 1253.43(0.218)
402.00 *29*		^{112}In(14.97 m)	617.27(4.6), 606.49(1.111), 1253.43(0.218)
402.0 *8*	0.29 *4*	^{172}Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
402.03 *9*	0.168 *19*	^{98}Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
402.06 *27*	0.093 *16*	^{164}Yb(75.8 m)	40.928(1.147), 675.41(0.38), 390.6(0.31)
402.10 *8*	0.00068 *16*	^{145}Pr(5.984 h)	748.278(0.5250), 675.795(0.514), 72.500(0.261)
402.15 *10*	1.62	^{154}Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
402.15 *10*	†18.5 *20*	^{159}Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
402.15 *2*	0.775 *20*	^{210}At(8.1 h)	1181.39(99.3), 245.31(79), 1483.39(46.5)
• 402.152 *12*	0.780 *8*	^{150}Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
• 402.173 *2*	0.072 *5*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
402.2 *5*	†1.0	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
402.25 *20*	0.32 *4*	^{89}Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
402.3 *2*	0.055 *13*	^{79}As(9.01 m)	95.73(0.85), 364.9(1.06), 432.1(0.850)
402.3 *5*	†1.4 *2*	^{104}Nb(0.92 s)	192.2(†100), 368.4(†20), 620.2(†19.2)
402.33 *2*	0.28 *4*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
402.36 *14*	0.007 *3*	^{131}Te(25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
402.4 *2*	0.064 *7*	^{137}Pr(1.28 h)	836.7(1.8), 433.9(1.28), 514.0(1.08)
402.4	5.2 *5*	^{179}Pt(21.2 s)	171.7(16), 193.1(14.2), 99.8(13.2)
402.4 *2*	†3.8 *16*	^{192}Bi(37 s)	853.8(†100.0), 501.8(†80), 504.3(†39)
402.4 *4*		^{207}Po(5.80 h)	992.33(59.3), 742.64(28.2), 911.79(16.95)
• 402.4 *2*	8.0×10^{-6} *8*	^{233}U(1.592×10^{5} y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
402.5 *2*	†11 *1*	^{117}Pd(4.3 s)	247.5(†100), 649.9(†41), 323.9(†37)
402.5 *4*	0.09 *5*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
402.5 *1*	0.00069 *9*	^{223}Fr(21.8 m)	50.13(36.0), 79.72(9.1), 234.81(3.0)
• 402.5 *1*		^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
402.51 *10*	3.61 *20*	^{121}Cd(13.5 s)	324.976(49.5), 1040.26(16.8), 349.937(12.9)
• 402.51 *6*	0.007 *3*	^{189}Re(24.3 h)	216.663(5.50), 219.395(4.54), 245.09(3.5)
• 402.51 *6*	0.0066 *6*	^{189}Ir(13.2 d)	245.09(6), 69.537(3.5), 59.053(1.20)
402.586 *10*	49.6 *20*	^{87}Kr(76.3 m)	2554.8(9.2), 845.43(7.34), 2558.1(3.92)
402.6 *3*	†20.2 *15*	^{94}Kr(0.20 s)	629.2(†100), 764.5(†71), 219.466(†67.4)
402.6 *1*	0.50	^{181}Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
402.6	0.16	^{185}Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
• 402.6 *3*	72 *6*	^{247}Cm(1.56×10^{7} y)	278.0(3.4), 287.4(2.0), 344.5(1.3)
402.68 *5*	11.9 *12*	^{207}Rn(9.25 m)	344.53(46), 747.15(14.2), 674.00(8)
402.72 *12*	45.9 *8*	^{186}Tl(27.5 s)	405.43(92), 356.84(29.3), 675.22(14.2)
402.73 *2*	1.4 *6*	^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
• 402.75 *25*		^{105}Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
402.80 *20*	0.10 *2*	^{126}In(1.60 s)	1141.11(55.9), 3344.61(21.6), 969.61(14.9)
402.80 *20*	0.50 *10*	^{126}In(1.64 s)	1141.11(100), 908.58(99), 111.79(88)
402.8 *2*	15	^{139}Pm(4.15 m)	463.1(4.1), 367.8(3.52), 756.5(1.99)
402.80 *13*	†18	^{181}Pt(51 s)	289.29(†100), 111.97(†100), 230.15(†92)
402.80 *5*		^{223}Rn(23.2 m)	591.8(†100), 635.2(†76), 416.0(†55)
402.9	0.6 *2*	^{88}Nb(14.5 m)	1082.53(103), 1057.01(100), 671.20(64)
402.90 *4*	0.88 *13*	^{131}La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
402.9 *1*	4.7 *12*	^{141}Tb(3.5 s)	293.3(16.8), 343.6(16.3), 198.4(14.8)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
402.9 *3*	0.038 *6*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
• 402.97 *5*	0.2448 *10*	^{150}Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
403 *1*	0.011 *5*	^{111}Sn(35.3 m)	1152.98(2.7), 1914.70(1.99), 761.97(1.48)
403.00 *8*	43.3 *20*	^{162}Gd(8.4 m)	442.12(51), 39.0(5.1), 341.42(2.70)
403.01 *20*	1.40 *20*	^{124}In(2.4 s)	1131.64(100), 969.94(52), 1072.85(47)
403.02 *11*	3.25 *17*	^{167}Ho(3.1 h)	346.547(56), 321.336(23.5), 237.873(5.0)
403.03 *4*	0.234 *3*	^{135}I(6.57 h)	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
• 403.094 *7*	0.0234 *14*	^{76}As(26.32 h)	559.101(45), 657.041(6.2), 1216.104(3.42)
403.1 *1*	0.022 *3*	^{145}Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
• 403.1 *5*		^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
• 403.1 *1*	0.0014 *4*	^{225}Ac(10.0 d)	99.91(1.01), 150.04(0.80), 99.63(0.62)
403.11 *19*	2.10 *12*	^{103}Tc(54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
403.19 *15*	0.30 *17*	^{133}Sb(2.5 m)	1096.22(43.0), 817.8(18.5), 2755(12.5)
403.19 *10*	0.332 *24*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
403.2 *5*	0.19	^{101}Cd(1.2 m)	98.0(47), 1722.5(11), 1259.3(8)
403.2 *2*	0.021 *3*	^{141}Pm(20.90 m)	1223.26(4.74), 886.22(2.44), 193.68(1.61)
403.29 *16*	0.19 *6*	^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
403.3 *4*	0.77 *17*	^{104}In(1.8 m)	658.0(100), 834.1(99), 878.1(29.4)
403.3 *4*	0.014 *9*	^{105}Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
403.3 *2*	0.26 *6*	^{108}In(58.0 m)	875.46(100), 632.96(100), 242.84(41)
403.3 *10*	0.007 *3*	^{131}Te(25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
• 403.3 *10*	0.040 *15*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
403.4 *2*	†3.3 *3*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
403.5 *3*	0.19 *4*	^{100}Rh(20.8 h)	539.59(78.4), 2376.1(35.3), 1553.4(21)
403.5 *2*	0.17 *3*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
• 403.5 *5*	0.011 *6*	^{191}Pt(2.9 d)	538.90(13.7), 409.44(8.0), 359.90(6.0)
403.50 *4*	1.72 *9*	^{199}Tl(7.42 h)	455.46(12.4), 208.20597(12.3), 247.26(9.3)
• 403.505 *5*	0.0264 *11*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
403.51 *15*	2.9 *5*	^{80}Zn(0.545 s)	712.53(45.1), 715.40(33.8), 964.93(15.6)
403.51 *5*	0.329 *17*	^{119}I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
403.51 *17*	0.38 *10*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
• 403.54 *5*	0.074 *7*	^{189}Re(24.3 h)	216.663(5.50), 219.395(4.54), 245.09(3.5)
403.57 *4*	0.208 *10*	^{155}Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
403.6	†8.4 *8*	^{131}Ce(10.3 m)	169.42(†100), 414.25(†68), 119.18(†44)
403.6 *2*	1.0	^{145}La(24.8 s)	70.0(11), 355.8(3.8), 118.2(3.6)
403.6 *4*	0.050	^{186}Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
403.7	0.27 *13*	^{153}Ho(2.0 m)	295.8(67), 637.0(5.36), 688.5(3.7)
403.74 *4*	1.41 *7*	^{189}Pt(10.87 h)	721.41(9.3), 94.33(7.6), 568.84(7.1)
403.75 *8*	2.40 *21*	^{139}Nd(5.50 h)	113.94(40), 737.96(35), 982.2(26.4)
403.8 *4*	0.028 *7*	^{95}Ru(1.643 h)	336.43(70.2), 1096.76(21.0), 626.77(17.8)
403.8 *1*	43	^{141}Sm(10.2 m)	438.8(37.7), 1292.6(6.8), 1600.7(4.0)
• 403.8 *2*	0.109 *9*	^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
403.86 *10*	0.12 *3*	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
403.9 *7*	†2.7 *6*	^{194}Tl(33.0 m)	428.0(†100), 636.5(†23), 645.20(†13)
403.94	0.064 *17*	^{44}K(22.13 m)	1157.031(58), 2150.76(22.7), 2518.95(9.69)
• 403.957 *25*	0.124 *9*	^{169}Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
403.980 *10*	1.05 *3*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
404 *1*	†22 *8*	^{103}Mo(67.5 s)	83.4(†100), 423.91(†69), 45.8(†57)
404.0 *3*	0.135 *18*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
• 404.0 *10*	0.03 *3*	^{147}Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
404.00 *20*	0.017 *4*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
404.0 *2*	†1.7 *3*	^{169}Ta(4.9 m)	511.0(†20.6), 28.80(†18.3), 192.4(†8)
• 404.00 *15*	0.0143 *7*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
404 *1*	0.02	^{175}Ta(10.5 h)	207.4(14.0), 348.5(12.0), 266.9(10.8)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
404	†1.2	^{177}Os(2.8 m)	84.7(†100), 125.4(†63), 195.8(†61)
404.0 *2*	0.22 *6*	^{190}Tl(2.6 m)	416.4(79), 625.4(11.1), 683.5(8.7)
404.0	†11 *1*	^{191}Pb(2.18 m)	387.1(†100), 712.2(†46), 613.5(†40)
404.004 *13*	0.779 *19*	^{166}Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
404.03 *10*	†6	^{197}Ir(5.8 m)	469.72(†100), 430.56(†61), 815.92(†45)
• 404.046 *11*	1.310 *9*	^{131}Ba(11.50 d)	496.326(47), 123.805(28.97), 216.078(19.66)
404.07 *9*	26 *3*	^{108}Rh(6.0 m)	433.937(88), 581.1(60), 947.27(49)
404.1 *3*	0.14 *5*	^{76}Rb(39.1 s)	2571.3(47), 424.0(43.4), 355.6(8.2)
404.1 *3*	0.27 *13*	^{153}Ho(2.0 m)	295.8(67), 637.0(5.36), 688.5(3.7)
404.20 *20*	0.6 *3*	^{102}Sr(69 ms)	243.80(53), 150.15(18.0), 93.89(13.4)
• 404.2 *2*	0.0021 *5*	^{224}Ra(3.66 d)	240.987(3.97), 292.70(0.0060), 645.50(0.0052)
404.2 *2*	†3 *1*	^{220}At(224 s)	240.987(†100), 292.70(†39), 422.04(†23)
404.213 *13*	0.036 *6*	^{183}Os(13.0 h)	381.768(89.6), 114.463(20.63), 167.844(8.81)
404.214	0.365 *13*	^{43}K(22.3 h)	372.760(87), 617.490(79.2), 396.861(11.85)
• 404.296 *5*	0.199 *3*	^{149}Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
404.3 *3*	1.0 *2*	^{128}Sb(9.01 h)	753.82(100), 743.22(100), 314.12(61)
404.36 *6*	2.28 *9*	^{133}Sb(2.5 m)	1096.22(43.0), 817.8(18.5), 2755(12.5)
404.36 *5*	0.86 *18*	^{193}Hg(11.8 h)	257.97(61), 407.63(25), 573.25(14.2)
404.39 *15*	†7.8 *12*	^{155}Nd(8.9 s)	180.574(†100), 418.99(†75), 955.08(†50)
404.4 *2*	5.9 *6*	^{128}Sn(59.07 m)	482.3(59), 75.1(27.7), 557.3(16.5)
404.4	0.68 *15*	^{151}Er(0.58 s)	789.4(5.1), 597.4(4.4), 297.2(3.7)
404.46 *14*	0.64 *6*	^{148}Ba(0.607 s)	56.08(29.20), 133.53(3.88), 415.78(3.59)
404.47 *10*	0.09	^{165}Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
404.49 *9*	†0.56 *4*	^{184}Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
404.5 *2*	†0.6 *2*	^{136}Pm(107 s)	373.8(†100), 602.7(†38.4), 857.2(†23.4)
404.5 *2*	0.82 *17*	^{136}Pm(107 s)	373.8(15.0), 602.7(12.3), 857.2(12.72)
404.5 *5*	†2.0 *5*	^{142}Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
404.5 *3*	3.1 *4*	^{192}Pb(3.5 m)	1195.4(47), 608.2(17.9), 167.5(13.6)
404.5	>0.019	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
• 404.5 *5*	5.6×10^{-6} *6*	^{253}Es(20.47 d)	41.79(0.050), 389.11(0.0264), 387.1(0.00810)
404.57	0.05	^{165}Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
404.61 *25*	0.0091 *25*	^{139}Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
• 404.7 *5*	0.025 *9*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
404.7 *2*	†8.7 *17*	^{229}Ac(62.7 m)	164.522(†100), 569.1(†91), 261.92(†39)
• 404.72 *6*	0.065 *7*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
404.78 *4*	1.70 *4*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
404.8 *2*	0.084 *5*	^{111}Pd(23.4 m)	580.00(0.8), 70.44(0.78), 1459.0(0.56)
404.8 *3*	1.14 *11*	^{118}I(8.5 m)	605.71(99), 600.71(92), 614.42(65)
404.8 *7*	†1.8 *10*	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 234.0(†40.0)
• 404.814 *4*	0.0547 *16*	^{131}I(8.02070 d)	364.489(81.7), 636.989(7.17), 284.305(6.14)
404.85 *7*	0.26 *6*	^{133}Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
404.853 *10*	3.78 *5*	^{211}Pb(36.1 m)	832.01(3.52), 427.088(1.76), 766.51(0.617)
404.853 *10*		^{215}At(0.10 ms)	
404.99 *18*	0.054 *9*	^{93}Rb(5.84 s)	432.61(17.4), 986.05(6.8), 213.429(6.7)
405.0 *5*	0.09 *4*	^{109}Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
405.0 *2*	0.36 *7*	^{123}Cs(5.94 m)	97.3(23), 596.7(10.1), 83.3(4.1)
405.0 *4*	0.47 *8*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
405.0 *7*	1.38 *13*	^{129}Sb(4.40 h)	812.8(43), 914.6(20.0), 544.7(17.9)
405.0 *5*		^{180}Hg(2.8 s)	300.5(†100), 381.2(†69), 479.9(†23.0)
405.0 *5*	†17	^{180}Hg(2.8 s)	300.5(†100), 381.2(†69), 479.9(†23.0)
405.0 *4*	†0.95 *10*	^{182}Ir(15 m)	273.23(†100), 126.79(†77), 236.3(†21.0)
405		^{241}Np(13.9 m)	174.94(3.1), 132.99(0.86), 518.8(0.40)
• 405 *2*	0.08	^{253}Fm(3.00 d)	271.8(2.6), 144.99(0.192), 62.47(0.16)
405.01 *17*	0.210 *17*	^{197}Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
405.02 *13*	0.0029 *6*	^{123}I(13.27 h)	158.97(83), 528.96(1.39), 440.02(0.428)
405.12 *8*	7	^{139}Nd(29.7 m)	1074.2(2.5), 669.0(1.52), 916.9(1.52)
405.121 *3*	3.3 *3*	^{231}Ac(7.5 m)	282.471(39.0), 307.063(30.4), 221.399(16.8)
405.159 *6*	0.26 *12*	^{175}Tm(15.2 m)	514.868(65), 941.23(15), 363.942(12.7)
405.18 *5*	†11.4 *7*	^{83}Ge(1.85 s)	306.51(†100.0), 1193.77(†20.5), 1525.50(†13.6)
405.2 *5*	0.6	^{101}Cd(1.2 m)	98.0(47), 1722.5(11), 1259.3(8)
405.2 *2*	0.5 *2*	^{130}Sb(6.3 m)	839.49(100), 793.53(86), 182.36(41)
405.2 *15*	0.018 *4*	^{157}Dy(8.14 h)	326.16(92), 182.20(1.84), 83.01(0.62)
405.2 *1*		^{212}Bi(25.0 m)	276.5, 120.9, 223.0
405.251 *30*	0.0107 *5*	^{165}Dy(2.334 h)	94.700(3.58), 361.68(0.84), 633.415(0.568)
405.3 *4*	0.91 *13*	^{122}In(10.3 s)	1140.55(98), 1001.58(50.7), 1190.58(20.5)
405.43 *15*	92	^{186}Tl(27.5 s)	402.72(45.9), 356.84(29.3), 675.22(14.2)
405.451 *20*	7.3 *4*	^{134}I(52.6 m)	847.025(95.4), 884.090(64.9), 1072.547(15.0)
405.49 *5*	†9.1 *3*	^{188}Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
405.5	0.8 *4*	^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)
405.5	>0.14	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
405.6 *1*	0.99 *5*	^{251}Fm(5.30 h)	880.8(2.19), 453.1(1.45), 349.9(0.82)
405.67 *9*	0.031 *3*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
405.67 *5*	0.0143 *21*	^{167}Yb(17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
405.68 *5*	0.0157 *25*	^{127}Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
• 405.701 *12*	0.0074 *14*	^{77}Br(57.036 h)	238.996(23), 520.639(22.4), 297.215(4.16)
405.73 *8*	†1.00 *14*	^{160}Ho(5.02 h)	728.18(†100), 879.383(†65.9), 962.317(†59.1)
405.73 *8*	0.47 *6*	^{160}Ho(25.6 m)	728.18(46.9), 879.383(26.6), 962.317(25.6)
405.74 *3*	0.18 *4*	^{214}Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
405.75 *6*	9.7 *5*	^{207}Po(5.80 h)	992.33(59.3), 742.64(28.2), 911.79(16.95)
405.8 *2*	0.23 *5*	^{97}Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
405.80 *5*	2.12 *16*	^{107}Ru(3.75 m)	194.05(9.9), 847.93(5.3), 462.61(3.66)
405.8 *4*	2.9 *5*	^{154}Ho(3.10 m)	334.6(94), 412.4(79), 477.1(55)
405.8 *3*	0.031 *6*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
405.8	>0.013	^{197}Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
405.81 *8*	0.24 *3*	^{204}Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
405.82 *13*	†9	^{197}Ir(5.8 m)	469.72(†100), 430.56(†61), 815.92(†45)
405.87 *3*	0.49 *4*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
405.9 *5*	2.4 *9*	^{115}Te(6.7 m)	770.40(34.2), 723.569(18), 1071.70(12.9)
405.9 *2*	†162 *24*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
405.91 *8*	0.174 *16*	^{228}Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
406.0 *4*	1.3 *7*	^{99}Y(1.470 s)	121.761(33), 724.30(14.9), 536.2(6.6)
406		^{129}Sb(17.7 m)	759.8(†100.0), 657.78(†92), 433.76(†73)
406.0 *1*	0.39 *6*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
406.00 *20*	0.043 *12*	^{158}Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
• 406.00 *10*	0.0108 *8*	^{249}Cf(351 y)	388.16(66), 333.37(14.6), 252.80(2.50)
• 406.03 *7*	0.042 *4*	^{169}Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
406.03 *7*	2.01 *11*	^{201}Pb(9.33 h)	331.19(79), 361.27(9.9), 945.96(7.4)
406.06 *15*	0.052 *11*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
406.08 *16*	0.266 *21*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
406.1 *2*	†8 *2*	^{113}I(6.6 s)	462.5(†100), 622.4(†74), 351.5(†43)
406.1 *4*	0.276 *23*	^{172}Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
406.1 *3*	0.22 *5*	^{188}Hg(3.25 m)	66.7(63), 190.1(4.40), 82.7(2.6)
• 406.1 *1*	0.0076 *22*	^{225}Ac(10.0 d)	99.91(1.01), 150.04(0.80), 99.63(0.62)
406.1 *1*	0.30 *3*	^{235}Th(7.1 m)	417.0(2), 727.2(0.87), 696.1(0.64)
406.14 *8*	†100	^{158}Ho(21.3 m)	838.9(†84.3), 1484.1(†66.2), 166.4(†55.4)
406.14 *8*	†0.19 *4*	^{158}Ho(11.3 m)	218.21(†100.0), 98.91(†70), 945.7(†37)
406.17 *3*	11.6 *7*	^{106}Rh(131 m)	511.842(85), 1045.83(30.4), 717.24(28.9)
• 406.17 *3*	13.4 *4*	^{106}Ag(8.28 d)	511.842(88), 1045.83(29.6), 717.24(28.9)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
406.2 *1*	0.49 *5*	^{129}La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
406.2 *6*	0.37	^{203}Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
• 406.25 *15*	0.0233 *13*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
406.3 *2*	0.63 *11*	^{101}Ag(11.1 m)	261.0(53), 588.0(10.0), 667.3(9.8)
406.34 *6*	2.40 *12*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
• 406.35 *15*	†1.45×10^{4} *22*	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^{9}), 33.195(†6000×10^{8})
406.37 *12*	0.32 *4*	^{101}Sr(118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
406.39 *6*	0.32 *4*	^{162}Yb(18.87 m)	163.35(40.0), 118.70(33.6), 576.10(3.24)
406.40 *15*	0.42 *9*	^{157}Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
406.4	†2.4	^{193}Pb(5.8 m)	365.2(†100), 392.2(†20.7), 716.4(†6.7)
406.47 *10*	†11.0 *8*	^{142}Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
406.5 *2*	12.1 *12*	^{76}Kr(14.8 h)	315.7(39), 270.2(21.1), 45.48(19.5)
406.5 *2*	†5.9 *14*	^{229}Ac(62.7 m)	164.522(†100), 569.1(†91), 261.92(†39)
406.51 *8*	†1.32 *9*	^{184}Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
406.52 *5*	5.6 *3*	^{150}Pm(2.68 h)	333.971(68), 1324.51(17.5), 1165.739(15.8)
406.52 *5*	2.81 *24*	^{150}Eu(12.8 h)	333.971(4.0), 1165.739(0.257), 921.17(0.210)
• 406.52 *5*	0.140 *14*	^{150}Eu(35.8 y)	333.971(96), 439.401(80.4), 584.274(52.6)
406.54 *10*	0.43 *5*	^{118}Ag(2.0 s)	487.77(57), 677.13(53), 1058.39(14.8)
406.54 *13*	†16 *4*	^{159}Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
406.54 *13*	†7.0 *25*	^{159}Yb(1.58 m)	166.16(†500), 177.12(†159), 390.20(†113)
• 406.5865 *5*	0.512 *21*	^{183}Ta(5.1 d)	246.0591(27), 353.9912(11.2), 107.9322(11.0)
• 406.5865 *5*	0.028 *4*	^{183}Re(70.0 d)	162.3219(23.3), 46.4839(7.97), 291.7238(3.05)
406.63 *15*	0.63	^{154}Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
406.660 *18*	0.224 *16*	^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
406.7 *3*	0.15 *5*	^{127}In(1.09 s)	1597.7(49), 646.1(6.2), 805.1(5.6)
406.7 *1*	†4.6 *5*	^{171}Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
406.7 *4*	0.34 *7*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 406.7 *3*	5.0×10^{-6} *5*	^{233}U(1.592×10^{5} y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
406.71 *10*	0.42 *4*	^{93}Sr(7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
• 406.72 *17*	0.078 *16*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
406.72 *9*	0.50 *5*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
• 406.74 *15*	0.00083 *21*	^{152}Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
406.8 *1*	1.3 *3*	^{141}Tb(3.5 s)	293.3(16.8), 343.6(16.3), 198.4(14.8)
406.8 *2*	0.7 *3*	^{152}Ho(49.5 s)	647.2(92), 613.8(88.4), 683.3(88)
• 406.88 *17*	2.5×10^{-6} *5*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
406.9	0.11	^{95}Sr(23.90 s)	685.6(23), 2717.3(4.6), 2933.1(4.1)
406.9 *1*	19.0 *13*	^{154}Ho(3.10 m)	334.6(94), 412.4(79), 477.1(55)
406.9 *3*	0.09 *3*	^{156}Tm(83.8 s)	344.55(86), 452.85(17.2), 585.93(14.6)
406.9 *2*	0.45 *5*	^{185}Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
406.93 *6*	0.112 *6*	^{119}I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
407.0 *1*	0.54 *6*	^{142}Gd(70.2 s)	750.2(11.2), 178.90(11.20), 284.4(6.16)
• 407.0 *10*	0.03 *3*	^{147}Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
407.0 *3*	1.9 *3*	^{147}Tb(1.7 h)	1152.4(100), 694.4(43), 139.9(27.46)
407.0 *6*	0.44 *22*	^{166}Lu(1.41 m)	228.12(15), 102.38(13), 285.07(11.0)
407.0 *1*	0.190 *20*	^{247}Cf(3.11 h)	294.1(0.98), 447.8(0.55), 417.9(0.34)
• 407.03 *3*	0.187 *14*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
407.1 *2*	5.7 *6*	^{97}Y(1.17 s)	1103.0(92.6), 161.4(71.8), 1091(56)
407.1 *7*	0.27 *9*	^{104}Tc(18.3 m)	358.0(89), 530.5(15.6), 535.1(14.7)
407.1 *1*	0.82 *8*	^{117}I(2.22 m)	325.9(75), 274.4(20.4), 661.5(5.1)
407.1 *1*	2.78 *24*	^{119}Ag(2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
407.1 *4*	1.55 *16*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
407.10 *10*	0.247 *20*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
• 407.1 *3*	0.062 *9*	^{156}Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
407.1 *5*	0.0012 *5*	^{243}Pu(4.956 h)	84.0(23), 41.8(0.76), 381.7(0.56)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
407.17 *7*	9.5 *12*	^{122}In(10.8 s)	1140.55(100), 1001.58(98.4), 103.74(81)
407.176 *25*	9.7 *4*	^{190}Re(3.1 m)	186.718(48.4), 557.972(28.2), 223.811(26.0)
407.176 *25*	8.3 *6*	^{190}Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
• 407.176 *25*	23.9 *11*	^{190}Ir(11.78 d)	186.718(52.4), 605.24(39.9), 518.55(34.0)
407.2 *1*	0.328 *25*	^{143}Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
407.21 *5*	†76 *10*	^{198}Ir(8 s)	507.3(†100)
407.22 *41*	0.071 *21*	^{141}Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
• 407.338 *3*	42.1 *8*	^{172}Er(49.3 h)	610.062(44.2), 68.107(3.29), 446.025(2.96)
407.351 *20*	42 *3*	^{116}Sb(60.3 m)	1293.54(100), 972.550(72), 542.872(52)
407.4 *5*	0.28 *14*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
407.4 *5*	0.052 *11*	^{135}Te(19.0 s)	603.5(37.0), 266.8(10.36), 870.3(7.73)
407.43 *8*	0.114 *13*	^{100}Sr(202 ms)	963.85(22.0), 898.50(18.9), 65.46(15.2)
407.46 *8*	0.64 *8*	^{125}Cd(0.57 s)	1027.53(25.8), 1173.16(25.1), 736.65(12.6)
407.5 *3*	0.50 *20*	^{118}Cs(14 s)	337.4(100), 472.8(37.4), 586.6(15.4)
407.5 *3*	†17.6 *19*	^{143}Tb(12 s)	45.1(†100), 686.1(†48), 462.8(†45)
407.5	†9	^{238}Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
407.543 *25*	5.5 *8*	^{190}Re(3.1 m)	186.718(48.4), 557.972(28.2), 223.811(26.0)
407.543 *25*	4.4 *10*	^{190}Re(3.2 h)	186.718(27.8), 605.24(14.9), 557.972(14.3)
• 407.543 *25*	4.6 *7*	^{190}Ir(11.78 d)	186.718(52.4), 605.24(39.9), 518.55(34.0)
407.55 *2*	0.562 *15*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
• 407.55 *20*	0.0090 *5*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
407.60 *15*	0.090 *10*	^{105}Ru(4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
407.6 *1*	†0.70 *7*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
407.6 *4*	0.21 *7*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
407.63 *3*	27.1 *3*	^{133}Te(12.5 m)	312.072(62), 1333.21(10.67), 719.71(8.9)
407.63 *4*	25	^{193}Hg(11.8 h)	257.97(61), 573.25(14.2), 932.37(6.7)
407.7	0.7	^{145}Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)
407.7 *3*	†2.1 *4*	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
407.70 *5*	0.0034	^{239}U(23.45 m)	74.664(48), 43.533(4.14), 662.24(0.18)
407.72 *10*	0.143 *10*	^{163}Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
407.8 *1*	0.63 *5*	^{237}Am(73.0 m)	280.23(47.3), 438.4(8.3), 473.5(4.3)
• 407.8 *2*	0.028	^{245}Bk(4.94 d)	252.80(29.1), 380.8(2.40), 385.0(0.57)
407.81 *2*	2.2	^{227}Ra(42.2 m)	27.36(16), 300.07(4.6), 302.65(4.3)
• 407.81 *2*	0.0362 *19*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
407.9 *2*	†4 *1*	^{114}Te(15.2 m)	90.28(†100), 83.8(†67), 1417.6(†32)
407.9 *3*	0.099 *9*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
407.9 *2*	5.9 *2*	^{196}Os(34.9 m)	126.2(5.3), 315.4(2.5), 207.1(2.4)
407.91 *10*	4.5 *9*	^{166}Hf(6.77 m)	78.76(41), 341.82(4.7), 483.05(4.1)
407.94 *2*	43.0 *9*	^{180}Lu(5.7 m)	1199.7(24.3), 1106.00(22.7), 215.256(22.1)
407.99 *6*	0.0101 *10*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
• 408.00 *8*	0.040 *6*	^{105}Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
408.0 *2*	0.09 *5*	^{117}Cd(3.36 h)	1997.33(26), 1065.98(23.1), 564.397(14.7)
408.0 *3*	0.50 *20*	^{118}Cs(14 s)	337.4(100), 472.8(37.4), 586.6(15.4)
408.0	0.09	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
408.009 *8*	0.359 *12*	^{135}Xe(9.14 h)	249.770(90), 608.151(2.90), 158.260(0.290)
• 408.065 *10*	0.184 *3*	^{125}Sb(2.7582 y)	427.875(30), 600.600(17.86), 635.954(11.31)
408.11 *5*	0.398 *10*	^{143}Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
408.16 *5*	7.8 *6*	^{130}In(0.55 s)	1221.24(89), 774.37(46), 89.23(20.2)
408.16 *13*	0.65 *20*	^{184}Au(53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
408.19 *4*	0.92 *12*	^{191}Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
408.2	4.1	^{44}Ar(11.87 m)	182.6(66), 1703.4(57), 1886.0(31)
408.2 *4*	100	^{84}Se(3.1 m)	498.5(2.4)
• 408.2 *3*	0.08 *4*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
408.2 *1*	0.40 *7*	^{181}Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
408.3 *3*	†40 *4*	^{137}Sm(45 s)	380.5(†100), 163.7(†85), 531.2(†37)
408.3 *3*	0.37 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
408.31 *20*	0.052	^{137}I(24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
408.32 *4*	50.3 *15*	^{209}Rn(28.5 m)	745.78(22.8), 337.45(14.5), 689.26(9.7)
408.36 *11*	15.3 *4*	^{81}Y(72.4 s)	124.16(41.1), 79.23(24.67), 119.76(8.0)
408.37 *54*	0.046 *15*	^{174}Ta(1.05 h)	206.50(58), 91.00(16.0), 1205.92(4.9)
408.4 *3*	0.47 *13*	^{97}Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
408.4 *2*		^{98}Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
408.4 *2*	0.025 *14*	^{98}Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
408.4 *2*	0.13 *3*	^{193}Au(17.65 h)	186.17(10.1), 255.57(6.7), 268.22(3.9)
408.5 *2*	0.56 *6*	^{77}Zn(2.08 s)	189.49(28.1), 473.94(19.7), 1832.0(12.4)
• 408.5 *5*	0.019 *9*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
408.50 *10*	2.07 *23*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
408.58 *2*	1.24 *6*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
408.68 *15*	0.126 *14*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
408.7 *5*	†34 *3*	^{88}Se(1.52 s)	159.2(†100), 259.2(†82), 1903.7(†64)
• 408.7 *1*	0.19 *3*	^{245}Bk(4.94 d)	252.80(29.1), 380.8(2.40), 385.0(0.57)
408.73 *30*	1.60 *8*	^{101}Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
408.74 *7*	0.023 *5*	^{200}Pt(12.5 h)	76.21(13), 135.90(3.24), 243.71(2.49)
408.80 *10*	0.0096 *21*	^{155}Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
408.8	0.16 *3*	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
408.8	0.06 *3*	^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
408.8 *5*	0.0038	^{233}Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
408.92 *15*	0.6	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
408.92 *3*	0.16 *4*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
408.98 *6*	4.66 *9*	^{138}Cs(33.41 m)	1435.795(76.3), 462.796(30.7), 1009.78(29.8)
408.98 *6*	0.09	^{138}Cs(2.91 m)	1435.795(19), 462.796(18.6), 191.96(15.4)
409	>0.009	^{90}Nb(14.60 h)	1129.224(92.7), 2318.968(82.03), 141.178(66.8)
409.0 *4*	0.35 *10*	^{97}Sr(426 ms)	1905.0(25), 953.8(21.4), 652.2(11.4)
409.049 *11*	1.41 *9*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
409.1 *2*	2.5 *5*	^{129}Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
409.1 *1*		^{171}Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
409.1 *2*	0.049 *7*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
409.1 *1*	0.0035 *12*	^{197}Pt(95.41 m)	279.01(2.4), 130.2(0.105), 201.6(0.034)
409.1 *1*	†3 *1*	^{197}Hg(23.8 h)	279.01(†2000), 130.2(†89), 201.6(†29)
409.135 *10*	2.67 *13*	^{157}Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
409.2 *1*	†100 *11*	^{134}Pr(11 m)	293.5(†100), 299.0(†100), 1196.8(†100)
409.2 *1*	†100 *11*	^{134}Pr(17 m)	1964.1(†100), 1904.3(†100), 1579.9(†100)
409.23 *16*	0.24 *8*	^{181}Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
409.3 *4*	0.069 *13*	^{83}Y(7.08 m)	35.50(0.44), 882.1(6.30), 489.90(5.53)
409.3 *3*	15.9 *3*	^{113}Rh(2.72 s)	189.7(17.0), 219.6(3.88), 116.8(3.66)
409.3 *5*	0.09	^{125}Cd(0.57 s)	1027.53(25.8), 1173.16(25.1), 736.65(12.6)
409.3 *2*	†3.3 *1*	^{200}At(43 s)	665.9(†100), 611.1(†85.0), 484.5(†49.8)
• 409.33 *5*	0.0064 *7*	^{110}Ag(249.79 d)	657.7622(94.0), 884.685(72.2), 937.493(34.13)
• 409.34 *5*	0.0064 *7*	^{110}Ag(249.79 d)	657.7622(94.0), 884.685(72.2), 937.493(34.13)
409.34 *5*	0.46 *7*	^{110}In(4.9 h)	657.7622(98.3), 884.685(92.9), 937.493(68.4)
409.4 *2*	†17 *2*	^{135}Pm(49 s)	198.5(†100), 207.2(†70), 463.5(†62)
• 409.44 *2*	8.0 *4*	^{191}Pt(2.9 d)	538.90(13.7), 359.90(6.0), 82.407(4.9)
• 409.44 *2*	0.096 *16*	^{191}Pt(2.9 d)	538.90(13.7), 409.44(8.0), 359.90(6.0)
409.456 *5*	1.94 *5*	^{228}Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
409.456 *5*	6	^{228}Pa(22 h)	911.205(4.19), 463.005(1.250), 964.770(4.25)
409.5 *3*	0.84 *6*	^{85}Y(2.68 h)	231.67(84), 504.45(60), 913.93(9.0)
409.5 *2*	0.16	^{140}Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
409.5	0.25 *13*	^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
409.5 *7*	2.2 *3*	^{164}Ta(14.2 s)	211.05(74), 376.8(22), 605.0(14)
409.60 *20*	0.31 *4*	^{124}In(3.17 s)	1131.64(68), 3214.15(21.5), 997.79(21.1)
409.60 *20*	1.80 *20*	^{124}In(2.4 s)	1131.64(100), 969.94(52), 1072.85(47)
409.69 *6*	0.72 *7*	^{186}Ir(2.0 h)	137.155(27), 767.508(21.2), 630.354(18.0)
409.7 *1*	0.242 *22*	^{109}Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
409.7 *2*	†2.6 *3*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
409.77 *5*	0.153 *11*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
409.78 *5*	7.2 *6*	^{75}Zn(10.2 s)	228.67(28.9), 432.29(20.2), 155.94(17.2)
409.79 *3*	13.2 *5*	^{123}Ag(0.309 s)	263.87(35.9), 591.30(8.2), 116.41(7.58)
409.8 *1*	0.34 *3*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
409.86 *5*	4.33 *19*	^{146}La(6.27 s)	258.47(64), 924.58(7.45), 702.28(6.43)
409.86 *5*	81	^{146}La(10.0 s)	258.47(93), 514.75(31), 502.95(26)
409.873 *2*	2.18 *16*	^{155}Pm(41.5 s)	778.156(8), 725.123(5.30), 761.631(1.5)
409.9 *2*	0.128 *16*	^{113}Sb(6.67 m)	497.96(80), 332.41(14.8), 88.25(2.7)
409.92 *9*	†100 *11*	^{231}Ra(103 s)	204.98(†93), 469.3(†75), 456.2(†59)
409.97 *9*	0.7	^{113}Ag(68.7 s)	316.3(18), 392.3(11), 298.58(10)
410 *1*	0.07 *5*	^{97}Zr(16.91 h)	743.36(93), 507.64(5.03), 1147.97(2.61)
410	†5	^{175}Os(1.4 m)	125.0(†100), 181(†10.8), 248(†8.6)
410.0 *5*	2.8 *6*	^{191}Hg(50.8 m)	252.5(57), 420.1(18.6), 578.6(17.6)
410 *3*	0.8 *3*	^{224}Th(1.05 s)	178.1(9), 234.4(0.4), 295.7(0.3)
410.0 *3*	0.0090 *13*	^{251}Fm(5.30 h)	425.4(0.95), 480.4(0.392), 358.3(0.315)
410.0 *5*	0.00012 *4*	^{255}Fm(20.07 h)	81.477(0.81), 58.477(0.67), 80.92(0.27)
410.0 *2*	†2	^{256}Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
• 410.02 *7*	0.034 *4*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
410.10 *4*	0.44 *9*	^{191}Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
410.12 *10*	†16.8 *10*	^{162}Hf(37.6 s)	173.90(†100), 196.34(†25), 22.48
410.14 *18*	†4.6 *9*	^{187}Hg(1.9 m)	233.38(†100), 376.34(†38), 240.26(†33)
410.2 *2*	0.194 *20*	^{140}Xe(13.60 s)	805.52(20), 1413.66(12.2), 1315.05(8.2)
410.2 *2*	†5.9 *2*	^{203}At(7.4 m)	639.4(†100), 641.5(†55.8), 738.1(†38.4)
410.21 *25*	†0.31 *3*	^{184}Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
410.22 *7*	1.41 *11*	^{164}Tm(5.1 m)	208.08(14.6), 314.97(10), 240.49(7.5)
410.25 *20*		^{131}Sn(56.0 s)	3267.5, 2470.5, 2039.25
410.25 *20*	†5.1 *10*	^{131}Sn(56.0 s)	1226.03(†100), 450.03(†90), 798.50(†86)
• 410.274 *95*	0.0019 *4*	^{99}Mo(65.94 h)	739.50(12.1), 181.063(6.08), 140.511(4.52)
410.29 *3*	0.50	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
• 410.29 *4*	0.003	^{235}U(7.038×10^8 y)	185.712(57.2), 143.764(10.96), 163.358(5.08)
410.3 *1*	0.089 *22*	^{66}Ga(9.49 h)	1039.30(37), 2752.01(23.38), 833.50(5.89)
410.3 *3*	1.07 *11*	^{95}Rh(5.02 m)	941.6(72), 1352.0(20.8), 677.6(5.80)
410.30 *20*	1.31 *7*	^{99}Pd(21.4 m)	136.00(73), 263.60(15.2), 673.38(6.9)
410.3 *4*	†92 *16*	^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
• 410.3 *1*	0.0032 *5*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
• 410.308 *12*	1.97 *3*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
410.34 *20*	6.1 *4*	^{164}Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
• 410.36 *14*	0.034 *6*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
410.39 *10*	0.721 *24*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
410.4 *1*	1.80 *4*	^{92}Ru(3.65 m)	213.81(96), 259.32(92), 134.57(65.5)
410.40 *6*	0.94 *6*	^{133}Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
• 410.4 *5*		^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
410.40 *6*	6.3 *3*	^{228}Fr(39 s)	473.7(10.2), 474.0(7.6), 140.86(5.4)
• 410.42 *8*	0.008 *4*	^{71}As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
410.44 *17*	1.23 *9*	^{161}Yb(4.2 m)	78.20(34), 599.88(25.9), 631.45(13.9)
• 410.48 *3*	0.139 *8*	^{147}Nd(10.98 d)	91.105(28), 531.016(13.1), 319.411(1.95)
410.5 *3*		^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
• 410.55 *15*	0.0099 *22*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
410.6 *5*	7.00 *11*	^{137}Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
410.6 *2*	>0.10	^{176}Tm(1.9 m)	189.57(44.5), 1069.3(34), 381.8(21.8)
410.6 *2*	4.2 *3*	^{176}Tm(1.9 m)	189.57(44.5), 1069.3(34), 381.8(21.8)
410.65 *7*	1.52 *6*	^{148}Ba(0.607 s)	56.08(29.20), 133.53(3.88), 415.78(3.59)
410.66 *10*	0.115 *13*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
410.666	0.0959 *21*	^{39}Cl(55.6 m)	1267.185(54), 250.332(46.3), 1517.508(39.2)
410.70 *20*	0.116 *13*	^{112}Ag(3.130 h)	617.27(43), 1387.67(5.4), 606.49(3.1)
410.7 *5*	†0.83 *21*	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
410.7 *2*	0.14 *4*	^{221}Fr(4.9 m)	218.19(11.6), 99.5(0.11), 150.0(0.07)
410.723 *9*	17.5 *9*	^{157}Eu(15.18 h)	63.929(23.0), 370.509(11.0), 54.548(3.7)
410.78 *7*	0.60 *9*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
• 410.79 *7*	0.063 *7*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
• 410.797 *16*	0.0168 *5*	^{166}Ho(1.20×10^3 y)	184.410(72.6), 810.276(58.08), 711.683(55.32)
410.797 *16*	0.0926 *19*	^{166}Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
410.8 *1*	0.012 *2*	^{113}Ag(5.37 h)	298.58(10), 258.8(1.64), 316.3(1.343)
410.8 *1*	†8.5 *20*	^{129}Sb(17.7 m)	759.8(†100.0), 657.78(†92), 433.76(†73)
410.8 *3*	6.0 *7*	^{179}Yb(8.0 m)	592.1(75), 612.3(35.4), 381.4(9.6)
• 410.8 *1*	0.086 *9*	^{241}Cm(32.8 d)	471.805(71), 430.634(4.06), 132.413(3.86)
• 410.8 *1*		^{245}Bk(4.94 d)	205.879(0.040), 471.805(0.026), 164.8(0.0084)
410.83 *11*	0.44 *7*	^{81}Sr(22.3 m)	153.54(33.8), 147.76(30.1), 443.34(17.5)
410.9 *3*	1.40 *14*	^{118}Ag(2.0 s)	487.77(57), 677.13(53), 1058.39(14.8)
410.9 *2*	†2.7 *9*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
• 410.9 *3*	0.639 *23*	^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
• 410.9 *2*		^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
• 410.944 *8*	11.41 *8*	^{166}Ho(1.20×10^3 y)	184.410(72.6), 810.276(58.08), 711.683(55.32)
410.96 *7*	0.61 *4*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
411.00 *8*	0.56 *6*	^{134}I(52.6 m)	847.025(95.4), 884.090(64.9), 1072.547(15.0)
411.0 *2*	†17	^{177}Os(2.8 m)	84.7(†100), 125.4(†63), 195.8(†61)
• 411.02 *4*	7.0×10^{-6} *3*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
411.1 *2*	0.60 *17*	^{105}Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
411.10 *4*	0.59 *4*	^{207}At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
• 411.1 *2*	†1.8×10^5 *5*	^{237}Pu(45.2 d)	280.40(†870000), 298.89(†7.85×10^6), 320.75(†6.48×10^6)
• 411.115	2.231 *21*	^{152}Eu(13.542 y)	344.281(26.58), 778.91(12.96), 1089.700(1.710)
411.115	†97 *6*	^{152}Tb(17.5 h)	344.281(†1500), 586.294(†223), 271.135(†203)
411.115	18.8 *9*	^{152}Tb(4.2 m)	344.281(20.8), 471.9(12.2), 519.4(4.9)
411.14 *10*	3.7 *3*	^{130}In(0.55 s)	2258.79(88), 391.39(11.4), 96.54(4.2)
411.14 *10*	2.23 *18*	^{130}In(0.55 s)	1221.24(89), 774.37(46), 89.23(20.2)
411.140 *80*	0.12 *3*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
411.15 *2*	0.68 *6*	^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
411.2	7 *2*	^{150}Ho(26 s)	653.3(100), 803.4(100), 393.9(93)
• 411.38 *8*	0.025 *5*	^{56}Co(77.27 d)	846.771(100), 1238.282(67.6), 2598.459(17.28)
411.4 *5*	97 *7*	^{54}Co(1.48 m)	1408.1(100), 1129.9(98)
411.42 *10*	2.57 *14*	^{89}Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
411.44 *18*	0.036 *7*	^{118}In(4.45 m)	1229.68(96), 1050.69(81.0), 683.08(54.3)
• 411.48 *26*	0.0096 *24*	^{191}Pt(2.9 d)	538.90(13.7), 409.44(8.0), 359.90(6.0)
411.49 *4*	1.98 *12*	^{89}Br(4.40 s)	1097.82(6.00), 997.93(4.26), 953.53(4.26)
411.49 *4*	3.88 *19*	^{90}Br(1.92 s)	962.71(1.25), 1097.82(0.91), 997.93(0.33)
• 411.490 *2*	22.31 *9*	^{129}Cs(32.06 h)	371.918(30.60), 548.945(3.40), 39.578(2.97)
• 411.491 *15*	0.0146 *6*	^{99}Mo(65.94 h)	739.50(12.1), 181.063(6.08), 140.511(4.52)
411.5 *1*	0.74 *5*	^{119}Cd(2.20 m)	1025.0(24.8), 2021.3(22.6), 720.7(17.9)
411.5 *1*	1.14 *17*	^{119}Cd(2.20 m)	1025.0(24.8), 2021.3(22.6), 720.7(17.9)
411.5 *2*	0.15 *4*	^{139}Nd(29.7 m)	405.12(7), 1074.2(2.5), 669.0(1.52)
411.507 *22*	1.12 *8*	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
411.52 *7*	1.14 *18*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
411.53 *8*	0.043 *4*	^{119}I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
411.6 *7*	0.53 *10*	^{201}Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
411.66 *7*	0.058 *6*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
411.67 *20*	0.018 *3*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
411.7 *10*	0.042 *9*	^{99}Rh(4.7 h)	340.71(70), 617.8(12.0), 1261.2(11)
411.7 *8*	0.11 *4*	^{140}Cs(63.7 s)	602.345(71.1), 908.25(11.6), 1200.25(6.39)
411.7 *4*	0.83 *7*	^{150}Tb(3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)
411.7 *2*	0.044 *16*	^{157}Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
• 411.77 *20*	0.012 *4*	^{188}Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
411.8 *3*	†9.42 *18*	^{111}Rh(11 s)	275.4(†100.0), 230.0(†8.9), 789.0(†3.8)
411.8 *2*		^{191}Tl(5.22 m)	452.6(†100), 470.1(†98), 391.6(†96)
• 411.8044 *11*	96	^{198}Au(2.69517 d)	675.8874(0.804), 1087.6904(0.159)
411.8044 *11*	82 *7*	^{198}Tl(5.3 h)	675.8874(11), 636.4(10.1), 1200.6(9.7)
411.8044 *11*	†202 *19*	^{198}Tl(1.87 h)	636.4(†202), 587.2(†185), 226.2(†19)
411.82 *5*	0.061 *4*	^{126}Cs(1.64 m)	388.633(41), 491.243(5.0), 925.24(4.56)
411.9 *3*	1.07 *7*	^{55}Co(17.53 h)	931.3(75), 477.2(20.2), 1408.4(16.88)
411.9	†8.0	^{107}Mo(3.5 s)	400.3(†100), 65.7(†>92), 384.4(†57.6)
411.9 *1*	0.25 *5*	^{191}Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
411.9 *2*	†33.0 *11*	^{201}Po(8.9 m)	967.4(†100.0), 964.3(†85), 537.5(†24.8)
411.93 *5*	0.49 *5*	^{245}Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
411.95 *5*	62.8 *13*	^{127}Cs(6.25 h)	124.70(11.37), 462.31(5.07), 587.01(4.21)
412.0 *1*	0.051 *8*	^{121}I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
412 *1*	5	^{125}Cs(45 m)	526(24), 111.8(9), 712(3.5)
412.0 *5*	0.5 *3*	^{128}La(5.0 m)	284.00(87), 479.24(54), 643.65(14.7)
412.0 *3*	0.0007 *4*	^{152}Eu(9.274 h)	344.281(2.44), 1314.67(0.956), 970.38(0.604)
412.04 *8*	2.35 *13*	^{91}Kr(8.57 s)	108.788(43.5), 506.592(19.1), 612.87(7.7)
• 412.05 *20*	0.00242 *21*	^{153}Sm(46.27 h)	103.1807(31.4), 69.67340(4.85), 97.4316(0.847)
412.05 *10*	0.11 *3*	^{157}Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
412.06 *16*	0.50 *25*	^{186}Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
412.08 *8*	†1.17 *8*	^{184}Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
• 412.1 *5*	3.8 *4*	^{127}Sb(3.85 d)	685.7(37), 473.0(25.7), 783.7(15.0)
412.1 *3*	†4.8 *9*	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 234.0(†40.0)
412.10 *6*	0.58 *7*	^{164}Lu(3.14 m)	123.3(34.0), 740.52(12.2), 262.22(10.8)
412.15 *16*	1.0 *3*	^{181}Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
412.2 *1*	11.6 *18*	^{141}Gd(24.5 s)	351.1(89), 223.9(64), 574.9(51)
412.2 *2*	1.21 *11*	^{166}Lu(1.41 m)	228.12(15), 102.38(13), 285.07(11.0)
412.20 *10*	0.146 *19*	^{187}Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
• 412.27 *10*	0.030 *18*	^{194}Au(38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
412.27 *18*	0.29 *5*	^{202}Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
412.3 *3*	2.38 *25*	^{97}Sr(426 ms)	1905.0(25), 953.8(21.4), 652.2(11.4)
412.3 *3*	0.44 *10*	^{121}Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
412.3 *9*	0.0094 *18*	^{159}Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
• 412.3 *3*		^{171}Lu(8.24 d)	739.78(47.8), 19.394(13.7), 667.404(11.04)
412.3 *4*	1.4 *3*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
412.4 *3*	0.045 *9*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
412.4 *2*	9.8 *6*	^{150}Tb(5.8 m)	638.05(100), 650.4(70), 438.37(42)
412.4 *2*	0.07	^{150}Tb(3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)
412.4 *1*	79 *5*	^{154}Ho(3.10 m)	334.6(94), 477.1(55), 406.9(19.0)
412.4 *1*	15.0 *8*	^{154}Ho(11.76 m)	334.6(84), 873.4(12.5), 569(11.1)
412.4 *3*	0.044 *6*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
• 412.436 *8*	1.8×10^{-8}	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
412.5 *10*	0.15 *7*	^{139}Pm(4.15 m)	402.8(15), 463.1(4.1), 367.8(3.52)
412.5 *7*	0.048 *24*	^{141}Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
412.5 *3*	1.48 *18*	^{186}Tl(27.5 s)	405.43(92), 402.72(45.9), 356.84(29.3)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
412.5 *5*	0.013	^{233}Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
412.52 *5*	0.35 *5*	^{204}Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
412.56 *10*	†56 *8*	^{160}Eu(38 s)	173.19(†100), 513.6(†60), 822.04(†49)
412.6 *5*	0.017 *6*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
412.6 *2*	†1.80 *21*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
412.7 *6*	0.28 *17*	^{97}Rh(46.2 m)	189.21(49), 2245.6(14), 421.55(12.7)
412.7 *2*	†36 *6*	^{116}Xe(56 s)	104.5(†100), 310.7(†42), 247.7(†40)
412.7 *5*	0.06 *3*	^{142}Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
412.70 *21*	†1.7 *3*	^{165}Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
412.7 *1*	88 *4*	^{188}Tl(71 s)	592.0(61), 504.2(23.3), 772.3(11.9)
412.7 *2*	†10.4 *16*	^{195}Bi(183 s)	807.6(†100), 831.7(†100), 776.2(†95)
• 412.8 *5*	0.016 *9*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
412.9 *1*	1.21 *14*	^{119}Ag(2.1 s)	626.4(13), 366.2(12.1), 399.1(10.9)
412.9 *4*	2.95 *24*	^{170}Ho(2.76 m)	258.2(37.0), 931.3(36.1), 181.6(23.8)
• 412.9	>0.00017	^{173}Lu(1.37 y)	272.105(21.2), 78.63(11.87), 100.724(5.24)
412.9 *1*	†0.80 *18*	^{230}Ra(93 m)	72.0(†100), 63.0(†35.4), 202.8(†27.3)
412.93 *13*	0.39 *9*	^{133}Sb(2.5 m)	1096.22(43.0), 817.8(18.5), 2755(12.5)
412.97 *15*	0.098	^{137}I(24.5 s)	1218.00(12.8), 601.05(4.80), 1302.64(4.42)
413.0 *4*	0.0066 *10*	^{109}Pd(13.7012 h)	88.04(1.171), 311.4(0.032), 647.3(0.024)
413.0 *10*	0.19 *9*	^{149}Er(8.9 s)	1171.0(9.4), 171.5(6.5), 343.9(6.3)
413	†22	^{178}Os(5.0 m)	968.7(†100), 1331.1(†94), 594.6(†72)
413.029 *11*	0.308 *24*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
413.1 *3*	0.83 *18*	^{78}Zn(1.47 s)	224.75(43.9), 181.68(28.1), 860.30(24.5)
413.2 *1*	0.29 *17*	^{63}Ga(32.4 s)	637.04(11), 627.10(10.3), 192.94(5.7)
413.2 *2*	0.12 *5*	^{104}Tc(18.3 m)	358.0(89), 530.5(15.6), 535.1(14.7)
413.2 *2*	0.66 *6*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
413.2 *4*	0.62 *25*	^{164}Tm(5.1 m)	208.08(14.6), 314.97(10), 240.49(7.5)
413.2 *2*	3.15 *20*	^{170}Ho(2.76 m)	258.2(37.0), 931.3(36.1), 181.6(23.8)
413.2 *3*	51 *4*	^{170}Re(8.0 s)	305.8(86), 156.7(57)
• 413.2 *3*	0.038 *14*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
413.27 *13*	0.40 *4*	^{151}Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
• 413.294 *23*	0.082 *6*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
413.30 *23*	0.24 *5*	^{131}La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
413.3 *1*	0.124 *9*	^{149}Tb(4.118 h)	352.24(29.43), 164.98(26.4), 388.57(18.37)
413.3 *1*	0.087 *23*	^{173}Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
413.3 *4*	0.09 *5*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
413.4 *10*	>2.9	^{132}In(0.201 s)	374.3(62), 4040.8(61), 299.2(49)
413.4 *3*	0.25 *4*	^{140}Cs(63.7 s)	602.345(71.1), 908.25(11.6), 1200.25(6.39)
413.4 *1*	†5.4 *12*	^{172}Ir(2.0 s)	227.8(†100.0), 378.4(†62.0), 448.4(†40.5)
413.4 *5*	†0.51 *3*	^{188}Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
413.40 *5*	0.65 *3*	^{224}Fr(3.30 m)	215.985(33.1), 131.613(16.3), 836.90(9.8)
413.430 *18*	0.0605 *19*	^{166}Tm(7.70 h)	778.817(18.9), 2052.36(17.2), 184.410(16.1)
413.50 *30*	1.8 *4*	^{111}Pd(5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)
413.5 *3*	0.044 *15*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
413.5	†53 *11*	^{182}Hg(10.83 s)	129.3(†100), 217.7(†75), 542.9
413.53 *10*	2.27 *24*	^{105}Ru(4.44 h)	724.21(47), 469.37(17.5), 676.36(15.7)
413.6 *1*	2.27 *9*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
413.6 *4*	0.18 *9*	^{149}Pr(2.26 m)	138.447(11.0), 165.087(9.9), 108.520(9.5)
413.6	†20	^{182}Tl(3.1 s)	351.8(†100), 261.8(†60), 333.2(†30)
413.6 *2*	0.25 *7*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
413.680 *15*	0.66 *4*	^{147}Pr(13.4 m)	77.9921(15), 314.675(13.2), 641.380(10.0)
413.7 *4*	0.80 *9*	^{107}In(32.4 m)	204.97(47), 505.51(11.9), 320.92(10.2)
413.70 *18*	0.43 *4*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
413.7 *3*	0.29 *8*	^{197}Pb(43 m)	385.85(74), 387.72(25.1), 222.45(24.6)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
413.707 *6*		^{235}Pa(24.5 m)	652.053, 659.3, 645.896
• 413.707 *6*	0.001466 *11*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
• 413.78 *8*	0.035 *6*	^{188}Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
413.8	1.5	^{43}Ar(5.37 m)	975.0(34), 738.1(15), 1439.5(13)
413.8 *2*	7.6 *6*	^{79}Sr(2.25 m)	39.41(28), 105.00(21.8), 218.98(5.9)
413.8 *3*	2.7 *5*	^{117}Ag(5.34 s)	135.4(48), 386.8(39.9), 298.1(21.1)
413.81 *3*	3.69 *24*	^{191}Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
• 413.81 *9*	0.0047 *16*	^{193}Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
413.85 *8*	0.198 *25*	^{199}Tl(7.42 h)	455.46(12.4), 208.20597(12.3), 247.26(9.3)
413.91 *8*	2.10 *6*	^{70}Se(41.1 m)	49.51(35.8), 426.15(29), 376.65(9.43)
413.96 *6*	0.93 *7*	^{208}Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
414 *1*	0.025 *8*	^{111}Pd(23.4 m)	580.00(0.8), 70.44(0.78), 1459.0(0.56)
414.0 *1*		^{125}La(76 s)	67.6(34), 43.6(3.5), 985.2
414.0 *1*	†2.75 *14*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
414.0 *1*	0.12 *5*	^{129}La(11.6 m)	278.6(25), 110.5(16.9), 457.0(8.0)
414.0 *5*	2.17 *7*	^{137}Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
414.0 *4*	†1.9	^{154}Nd(25.9 s)	151.703(†800), 799.55(†600), 180.693(†510)
414.0 *10*	†1.0	^{179}Os(6.5 m)	65.39(†100), 218.6(†17), 32.3(†17)
• 414.028 *12*	18.59 *15*	^{148}Pm(41.29 d)	550.284(94.5), 629.987(89), 725.673(32.7)
• 414.028 *12*	10.3 *3*	^{148}Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
414.03 *4*	72	^{184}Ta(8.7 h)	252.848(43), 920.932(32.0), 111.208(23.7)
• 414.057 *16*	10.1 *5*	^{148}Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
414.1 *5*	3.2 *3*	^{80}Sr(106.3 m)	589.0(39), 175.4(10.1), 553.4(6.9)
414.1 *2*	0.29 *6*	^{108}In(58.0 m)	875.46(100), 632.96(100), 242.84(41)
414.1 *1*	2.7 *3*	^{151}Er(0.58 s)	789.4(5.1), 597.4(4.4), 297.2(3.7)
414.1 *3*	6.1 *9*	^{192}Pb(3.5 m)	1195.4(47), 608.2(17.9), 167.5(13.6)
414.16 *6*	0.0104 *12*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
414.2 *2*	1.60 *22*	^{105}Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
414.2 *2*	2.6 *5*	^{119}Cs(43.0 s)	176.05(29.7), 225.13(26), 257.9(17.4)
414.24 *3*	0.153 *22*	^{69}As(15.2 m)	232.69(11), 145.95(4.96), 86.78(3.44)
414.25 *8*	†68 *6*	^{131}Ce(10.3 m)	169.42(†100), 119.18(†44), 26.2(†43)
414.26 *13*	†0.299 *22*	^{153}Pm(5.4 m)	35.842(†100), 127.298(†75), 28.309(†34.6)
414.3 *1*	2.81 *23*	^{96}Rb(0.199 s)	815.0(78.00), 692.0(8.0), 813.2(7.0)
414.3 *1*	15.0	^{97}Rb(169.9 ms)	815.0(100), 692.0(16.5), 813.2(11.2)
• 414.30	0.00500 *25*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
414.34 *15*	0.08	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
• 414.39 *10*	0.0033 *8*	^{71}As(65.28 h)	174.954(82.00), 1095.490(4.08), 499.876(3.624)
414.4 *3*		^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
414.52 *7*	†46.8 *25*	^{142}Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
414.6 *1*	0.016 *4*	^{119}I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
414.6 *3*	2.4 *5*	^{120}In(46.2 s)	1171.3(96), 1023.1(55), 863.7(32.5)
414.6 *2*	2.16 *13*	^{121}Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
414.6 *2*	†0.90 *10*	^{188}Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
414.6 *7*	1.32 *17*	^{201}Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
• 414.60 *5*	0.00030	^{226}Ra(1600 y)	186.10(3.50), 262.27(0.0049), 600.66(0.00049)
414.63 *8*	0.192 *15*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
414.65 *20*	0.29 *3*	^{205}At(26.2 m)	719.30(31), 669.41(8.6), 628.88(5.6)
• 414.66 *19*	0.286 *25*	^{105}Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
414.78 *2*	0.95 *9*	^{204}At(9.2 m)	684.341(95), 516.318(90), 426.253(67.5)
414.8 *2*	7.6 *6*	^{102}Cd(5.5 m)	481.0(63), 1036.6(12.8), 505.1(9.6)
• 414.8 *2*	1.0 *3*	^{126}Sb(12.46 d)	695.03(100), 666.331(100), 414.81(83.3)
414.8	0.79 *16*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
414.8 *2*	†1.80 *21*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
414.8 *2*	†8 *1*	^{191}Pb(2.18 m)	387.1(†100), 712.2(†46), 613.5(†40)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
414.8 *3*	0.13 *3*	^{236}Th(37.5 m)	110.8(4.2), 646.6(0.72), 196.0(0.69)
• 414.81 *2*	83.3 *21*	^{126}Sb(12.46 d)	695.03(100), 666.331(100), 720.64(53.8)
414.81 *2*	86 *4*	^{126}Sb(19.15 m)	666.331(86), 695.03(82), 1035.07(1.80)
414.83 *3*	0.303 *14*	^{135}I(6.57 h)	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
414.9 *3*	0.07	^{113}Pd(93 s)	95.74(3.3), 643.7(3.0), 739.63(2.4)
414.92 *10*	0.34 *3*	^{80}Ge(29.5 s)	265.36(27.0), 110.4(6.5), 1564.3(4.9)
415 *1*	0.16 *8*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
415.00 *20*	0.64 *6*	^{121}Ag(0.78 s)	314.55(32.1), 353.43(19.9), 500.61(9.3)
415	0.11 *6*	^{133}Te(55.4 m)	912.671(55.28), 647.51(19.4), 863.955(15.6)
415.0 *1*	1.14 *16*	^{135}Nd(12.4 m)	204.02(52), 41.43(23), 441.2(14.9)
415.0 *3*	0.056 *12*	^{158}Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
415.0 *3*	0.048 *7*	^{163}Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
415.0 *5*	0.21 *11*	^{164}Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
415 *10*	0.5	^{221}Ra(28 s)	149.0(9.0), 93.1(2.1), 174.1(1.6)
415.068 *24*	5.4 *5*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
415.090 *10*	4.8 *4*	^{99}Zr(2.1 s)	469.140(55), 546.13(48.6), 593.990(27.4)
415.1 *3*	34.7 *7*	^{72}Kr(17.2 s)	310.0(28.5), 162.2(16.3), 576.5(12.1)
• 415.12 *3*	0.061 *3*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
• 415.13 *17*	†0.106 *24*	^{227}Th(18.72 d)	235.971(†813), 50.13(†528), 256.25(†463)
415.15 *6*	0.087 *7*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
415.2 *4*	0.102 *12*	^{73}Zn(23.5 s)	218.1(6.00), 910.5(1.91), 495.6(1.48)
415.2 *5*	1.62 *11*	^{83}Se(22.3 m)	356.687(70), 510.17(43), 224.8(32.7)
415.2 *5*	0.62 *7*	^{96}Rh(9.90 m)	832.57(100), 685.49(95.7), 631.71(74.5)
415.2 *3*	0.50 *17*	^{99}Y(1.470 s)	121.761(33), 724.30(14.9), 536.2(6.6)
415.2 *3*	0.0107 *10*	^{109}Pd(13.7012 h)	88.04(1.171), 311.4(0.032), 647.3(0.024)
415.2 *3*	0.030 *15*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
415.2	0.143 *22*	^{212}Pb(10.64 h)	238.632(43.3), 300.087(3.28), 115.183(0.592)
415.23 *15*	1.24	^{154}Pm(2.68 m)	184.810(32), 81.99(15.4), 546.66(14.5)
415.28 *13*	0.42 *6*	^{66}Ge(2.26 h)	43.89(28.7), 381.85(28), 272.97(10.4)
415.3 *2*	0.15	^{140}Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
415.3 *2*	4.0 *5*	^{150}Tb(5.8 m)	638.05(100), 650.4(70), 438.37(42)
415.3 *4*	†1.30 *15*	^{182}Ir(15 m)	273.23(†100), 126.79(†77), 236.3(†21.0)
415.32 *18*	†1.09 *11*	^{102}Tc(4.35 m)	475.070(†115), 628.05(†35.3), 631.28(†21.3)
• 415.32 *18*	2.1 *3*	^{102}Rh(2.9 y)	475.070(95), 631.28(55.9), 697.49(43.9)
• 415.32 *18*	†0.031 *21*	^{102}Rh(207 d)	475.070(†47), 628.05(†4.6), 1103.16(†2.99)
415.34 *5*	0.26 *11*	^{109}Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
415.4 *3*	0.43 *13*	^{110}Ru(14.6 s)	112.2(25.00), 166.1(0.65), 116.1(0.45)
415.4	0.098 *24*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
415.4 *3*	0.119 *25*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
• 415.4 *5*	>0.009	^{192}Ir(73.831 d)	205.79549(3.300), 484.5780(3.184), 374.4852(0.721)
• 415.4 *5*	>0.009	^{192}Ir(73.831 d)	316.50791(82.81), 468.07152(47.83), 308.45692(30.00)
415.411 *15*	10.6 *6*	^{179}Re(19.5 m)	430.221(28), 289.968(26.9), 1680.244(13.0)
415.5 *4*	0.019 *9*	^{98}Nb(51.3 m)	787.374(93), 722.645(73.8), 1168.830(17.8)
415.50 *21*	0.08	^{111}Pd(23.4 m)	580.00(0.8), 70.44(0.78), 1459.0(0.56)
415.50 *21*	1.6 *4*	^{111}Pd(5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)
415.5 *3*	0.61 *12*	^{126}Ba(100 m)	233.6(19.6), 257.6(7.6), 241.0(6.0)
415.5 *3*	0.36 *5*	^{149}Dy(4.20 m)	100.8(15.2), 789.4(11.8), 1776.3(11.1)
415.5 *2*	0.0041 *10*	^{167}Yb(17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
415.54 *18*	1.09 *11*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
415.580 *17*	1.12 *3*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
415.6 *5*	†1.7 *4*	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
415.61 *15*	8.5 *4*	^{186}Au(10.7 m)	191.56(62), 298.67(25.4), 764.89(10.5)
415.7 *3*	†2.1 *5*	^{82}Ga(0.602 s)	1348.07(†100), 2215.0(†22.0), 867.46(†13.4)
• 415.7 *4*	0.050 *25*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
415.70 *4*	0.0130 *18*	^{205}Hg(5.2 m)	203.750(2.2), 1218.96(0.0062), 1136.56(0.0046)
415.71 *6*	1.29 *6*	^{146}Ce(13.52 m)	316.74(56), 218.23(20.8), 264.56(9.0)
• 415.72 *12*	0.022 *5*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
• 415.76 *4*	1.745 *16*	^{233}Pa(26.967 d)	312.17(38.6), 300.34(6.62), 340.81(4.47)
415.78 *6*	3.59 *9*	^{148}Ba(0.607 s)	56.08(29.20), 133.53(3.88), 98.5(2.89)
415.79 *25*	0.110 *16*	^{164}Yb(75.8 m)	40.928(1.147), 675.41(0.38), 390.6(0.31)
415.8 *1*	†100	^{151}Yb(1.6 s)	1050.2(†100), 1245.6(†100), 624.8(†100)
415.8 *4*	0.40 *9*	^{154}Ho(11.76 m)	334.6(84), 412.4(15.0), 873.4(12.5)
415.80 *15*	0.46 *9*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
415.80 *17*	†1.7 *4*	^{165}Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
415.8 *6*	0.055 *18*	^{209}At(5.41 h)	545.0(91), 781.9(83.5), 790.2(63.5)
• 415.84 *10*	0.00043 *9*	^{151}Gd(124 d)	153.56(6.20), 243.28(5.60), 174.70(2.96)
415.85 *6*	2.11 *14*	^{154}Tb(9.4 h)	123.071(30), 247.925(22.1), 540.18(20)
415.88 *14*	0.00062 *23*	^{129}Te(69.6 m)	27.81(16.3), 459.60(7.70), 487.39(1.42)
• 415.88 *10*	†3.1×10^{4}	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^{9}), 33.195(†6000×10^{8})
415.9 *2*	†7.0 *12*	^{105}Nb(2.95 s)	94.8(†100), 246.9(†79), 309.9(†41.9)
415.9 *3*	0.16 *7*	^{251}Cm(16.8 m)	542.7(10.9), 530.0(1.62), 389.7(1.28)
416.00	†6.7 *6*	^{33}Si(6.18 s)	1847.54(†100), 1431.6(†13.1), 2538.5(†9.3)
416.0 *5*	†0.21 *6*	^{120}Cs(64 s)	322.4(†100), 473.5(†30), 553.4(†19.1)
• 416.0 *10*	0.03 *3*	^{147}Gd(38.06 h)	229.32(63), 396.00(34.3), 929.01(20.2)
416.0 *3*	†55	^{223}Rn(23.2 m)	591.8(†100), 635.2(†76), 654.0(†44)
416.01 *11*	0.25 *3*	^{100}Y(735 ms)	212.531(73), 118.59(15.4), 665.98(7.7)
416.03 *13*	0.164 *13*	^{165}Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
416.052 *6*	0.025 *17*	^{152}Pm(4.1 m)	121.7824(15.7), 841.586(2.17), 961.06(1.92)
• 416.052 *6*	0.1106 *21*	^{152}Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
• 416.08 *3*	0.0235 *7*	^{149}Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
416.1 *1*	†2.75 *14*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
416.1 *3*		^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
416.1 *7*	0.209 *22*	^{199}Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
416.1 *1*	†13 *2*	^{227}Rn(22.5 s)	162.14(†100), 739.2(†65), 686.2(†62)
416.1 *1*	0.036 *10*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
416.13	0.09	^{203}Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
416.2 *3*	0.0036 *13*	^{88}Rb(17.78 m)	1836.063(21.40), 898.042(14.04), 2677.892(1.96)
416.20 *30*	0.23 *3*	^{115}Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
416.2 *2*	†11.1 *11*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
416.21 *21*	0.55 *17*	^{131}La(59 m)	108.081(25.0), 417.783(18.0), 365.162(16.9)
416.21 *11*	2.29 *20*	^{197}Pb(43 m)	385.85(74), 387.72(25.1), 222.45(24.6)
416.28 *7*	1.70 *14*	^{107}In(32.4 m)	204.97(47), 505.51(11.9), 320.92(10.2)
416.3 *2*	27.0 *18*	^{85}Zr(7.86 m)	454.20(45), 1198.4(4.8), 266.3(2.57)
416.3 *4*	0.081 *9*	^{137}Pr(1.28 h)	836.7(1.8), 433.9(1.28), 514.0(1.08)
416.30 *20*	0.0136 *21*	^{228}Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
416.3 *3*	0.28 *6*	^{231}Np(48.8 m)	370.9(10), 348.4(3.63), 263.8(2.84)
416.33 *3*	21.8 *5*	^{77}Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
416.36 *17*		^{85}Zr(10.9 s)	
416.36 *17*	0.27 *5*	^{85}Zr(7.86 m)	454.20(45), 416.3(27.0), 1198.4(4.8)
416.390 *10*	1.95 *6*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
416.4 *2*	91	^{190}Tl(3.7 m)	625.4(82), 731.1(37), 839.7(24)
416.4 *2*	79	^{190}Tl(2.6 m)	625.4(11.1), 683.5(8.7), 1099.9(7.1)
416.4 *1*	3.47 *18*	^{211}Rn(14.6 h)	674.1(45), 1362.9(32.5), 678.4(28.9)
• 416.4 *2*	9.0×10^{-6} *3*	^{233}U(1.592×10^{5} y)	42.44(0.0862), 97.134(0.020), 54.699(0.0182)
416.41 *12*	1.27 *10*	^{206}At(30.0 m)	700.66(98), 477.10(86), 395.54(48)
416.44 *25*	0.24 *3*	^{105}In(5.07 m)	131.37(41), 260.21(15.7), 604.11(9.2)
• 416.4714 *8*	0.664 *7*	^{192}Ir(73.831 d)	316.50791(82.81), 468.07152(47.83), 308.45692(30.00)

$E_\gamma(\Delta E)$	$I_\gamma(\Delta I)$	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
416.4714 *8*	0.052 *6*	^{192}Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
416.49 *22*	0.014 *3*	^{139}Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
416.5 *3*	20 *6*	^{146}Ho(3.6 s)	682.9(100), 925.3(69), 673.7(55)
416.5 *2*	†105 *33*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
• 416.50 *20*	0.0060 *7*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
416.5 *4*		^{199}Pb(12.2 m)	366.90(7), 382.8, 2751.9
416.52 *2*	1.01 *16*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
• 416.57 *10*	0.0068 *13*	^{143}Ce(33.039 h)	293.266(42.80), 57.356(11.7), 664.571(5.69)
416.6 *5*	0.26 *7*	^{99}Ag(124 s)	264.41(65), 832.29(13.5), 805.07(12.5)
416.6 *3*	0.37 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
416.633 *25*	1.87 *4*	^{122}Xe(20.1 h)	350.065(7.80), 148.612(2.62), 90.596(0.563)
• 416.65 *8*	0.086 *10*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
416.7 *3*	11 *4*	^{149}Tm(0.9 s)	796.2(18), 158.8(12.3), 907.3(8)
416.7 *3*	†10	^{154}Nd(25.9 s)	151.703(†800), 799.55(†600), 180.693(†510)
416.79 *2*	0.072 *12*	^{147}La(4.015 s)	117.718(12), 186.320(6.48), 438.30(5.04)
416.80 *5*	0.201 *13*	^{78}Rb(17.66 m)	454.97(63), 692.86(12.56), 562.15(11.41)
416.80 *5*	2.28 *10*	^{78}Rb(5.74 m)	454.97(81), 664.44(38.3), 1109.72(13.12)
416.8 *3*	0.47 *5*	^{132}I(2.295 h)	667.718(99), 772.60(75.6), 954.55(17.6)
• 416.8 *4*	0.016 *5*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
416.8 *3*	0.061 *8*	^{163}Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
• 416.8 *5*	0.009 *3*	^{172}Er(49.3 h)	610.062(44.2), 407.338(42.1), 68.107(3.29)
416.84 *3*	0.338 *25*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
416.848	>0.08	^{26}Si(2.234 s)	829.420(21.90), 1622.26(2.73), 1843.26(0.258)
416.86 *3*	28.9 *8*	^{116}In(54.41 m)	1293.54(84.4), 1097.3(56.2), 2112.1(15.5)
416.86 *3*	0.07	^{116}Sb(15.8 m)	1293.54(85), 931.800(24.7), 2225.33(14.2)
416.88 *20*	0.074 *12*	^{158}Tm(3.98 m)	192.13(62), 335.10(16.8), 1149.83(7.6)
• 416.88 *10*	0.0199 *25*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
416.9 *2*	0.017 *17*	^{117}Cd(2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
416.9 *2*	1.0 *3*	^{129}Sn(2.23 m)	645.13(100), 80.5(6.6), 913.2(5.0)
417.0 *4*	0.31 *4*	^{161}Gd(3.66 m)	360.94(0.59), 314.92(22.7), 102.315(13.9)
417 *4*	†96	^{189}W(11.5 m)	258(†100), 550(†28), 855(†20)
417.0 *2*	†13.3 *4*	^{203}At(7.4 m)	639.4(†100), 641.5(†55.8), 738.1(†38.4)
417.0 *1*	2	^{235}Th(7.1 m)	727.2(0.87), 696.1(0.64), 644.9(0.56)
417.07 *11*	0.140 *14*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
417.1 *3*	0.23 *7*	^{79}Rb(22.9 m)	688.1(23), 182.77(19.2), 143.41(13.9)
417.10 *20*	0.014 *9*	^{105}Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
417.1 *1*	0.52 *7*	^{119}Cd(2.69 m)	292.9(36.8), 343.0(16.9), 1609.7(10.9)
417.1 *3*	0.09 *5*	^{129}In(0.61 s)	2118.0(45), 1865.0(32), 769.3(9.1)
417.1 *2*	0.00087 *8*	^{163}Er(75.0 m)	1113.5(0.0490), 436.1(0.0285), 439.94(0.0276)
417.1 *2*	0.088 *14*	^{183}Ir(58 m)	392.52(10.4), 228.70(6.9), 87.67(5.6)
417.16 *5*	6.2 *3*	^{177}W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
417.2 *1*	0.027 *4*	^{119}I(19.1 m)	257.52(87), 635.86(2.69), 320.53(2.17)
417.2 *5*	†21 *4*	^{134}Pr(11 m)	293.5(†100), 299.0(†100), 1196.8(†100)
417.2 *5*	†21 *4*	^{134}Pr(17 m)	1964.1(†100), 1904.3(†100), 1579.9(†100)
417.2 *3*	0.038 *6*	^{186}Hg(1.38 m)	112.1(63), 251.5(55), 191.6(3.7)
• 417.24 *4*	0.65 *4*	^{241}Cm(32.8 d)	471.805(71), 430.634(4.06), 132.413(3.86)
• 417.27 *20*	0.034 *22*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
417.27 *4*	0.42 *6*	^{202}Bi(1.72 h)	960.67(99), 422.18(83.7), 657.49(60.6)
417.3 *5*	†6.7 *10*	^{103}Mo(67.5 s)	83.4(†100), 423.91(†69), 45.8(†57)
417.3 *2*	0.35 *10*	^{105}Mo(35.6 s)	85.4(25.0), 76.50(19.3), 147.8(14.8)
417.3 *3*	†1.8	^{149}Ce(5.3 s)	57.7(†100), 380.0(†33.7), 86.4(†20.2)
417.31 *18*	0.33 *4*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
417.4 *3*	0.374 *11*	^{45}K(17.3 m)	174.276(74.4), 1705.6(53), 2353.6(14.12)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
417.4 *3*	0.164 *23*	^{69}Cu(2.85 m)	1007.5(23.4), 834.4(13.1), 531.2(6.0)
• 417.4 *2*	0.364 *25*	^{131}Te(30 h)	773.67(49.9), 852.21(27.0), 793.75(18.10)
417.44 *5*	0.139 *13*	^{143}Cs(1.78 s)	195.554(13), 232.421(8.32), 306.424(6.80)
417.45 *16*	0.0116 *22*	^{159}Ho(33.05 m)	121.012(36.2), 131.973(23.6), 309.594(17.2)
417.5 *2*	0.12 *6*	^{101}Zr(2.1 s)	119.3(10.8), 205.6(6.0), 912.2(3.48)
• 417.5 *5*	†0.025 *11*	^{101}Rh(4.34 d)	306.85(†115), 545.06(†6.1), 127.23(†0.85)
417.5 *1*	1.35 *9*	^{146}Ba(2.22 s)	140.7(20.2), 251.2(19.6), 121.2(14.2)
417.56	0.154 *10*	^{133}I(20.8 h)	529.872(87.0), 875.329(4.51), 1298.223(2.35)
417.6 *5*	0.070 *14*	^{63}Fe(6.1 s)	994.8(14.0), 1427.2(4.6), 1299.0(1.23)
417.6 *3*	0.26 *5*	^{121}Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
417.6 *2*	†8	^{256}Es(7.6 h)	861.8(†100), 231.1(†61), 172.6(†49)
417.633 *22*	3.55 *3*	^{135}I(6.57 h)	1260.409(28.90), 1131.511(22.74), 1678.027(9.62)
417.657 *3*	0.376 *16*	^{199}Pt(30.80 m)	542.993(15), 493.772(5.59), 317.056(4.95)
417.69 *7*	3.12 *7*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
417.7 *1*	27 *3*	^{140}Gd(15.8 s)	174.8(76), 749.9(70), 379.0(38)
417.7 *2*	0.46 *9*	^{207}Rn(9.25 m)	344.53(46), 747.15(14.2), 402.68(11.9)
417.783 *15*	18.0 *4*	^{131}La(59 m)	108.081(25.0), 365.162(16.9), 285.246(12.4)
417.8 *2*	0.37 *4*	^{142}Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
417.8 *2*	4.3	^{145}Ba(4.31 s)	96.6(17), 91.9(7), 65.9(5)
417.8 *3*	0.051 *10*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
417.8 *4*	0.45 *3*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
417.89 *9*	0.058 *9*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
417.9 *2*	5.9 *4*	^{97}Rb(169.9 ms)	167.1(26), 585.2(21.0), 600.5(10.6)
417.9 *3*	0.035 *17*	^{103}Tc(54.2 s)	346.380(17.5), 136.079(16.6), 562.90(7.0)
417.9 *2*	1.03 *13*	^{118}Cs(14 s)	337.4(100), 472.8(37.4), 586.6(15.4)
417.90 *10*	0.14 *2*	^{126}In(1.60 s)	1141.11(55.9), 3344.61(21.6), 969.61(14.9)
417.90 *10*	0.66 *10*	^{126}In(1.64 s)	1141.11(100), 908.58(99), 111.79(88)
417.9 *4*	2.8 *5*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
417.9 *2*	†3.2 *3*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
417.9 *1*	0.97 *9*	^{188}Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
417.9 *3*		^{201}At(89 s)	571.0, 6.5
417.9 *1*	0.34 *3*	^{247}Cf(3.11 h)	294.1(0.98), 447.8(0.55), 407.0(0.190)
417.9		^{247}Cf(3.11 h)	294.1(0.98), 447.8(0.55), 417.9(0.34)
417.92 *6*	2.27 *3*	^{194}Pb(12.0 m)	581.82(18.8), 1519.45(16.4), 203.82(16.2)
417.95 *10*	1.0	^{127}Te(9.35 h)	360.32(0.1346), 202.860(0.0580), 215.17(0.0387)
• 417.98 *10*	0.042 *6*	^{194}Au(38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
418.0 *7*	0.0042 *25*	^{111}Pd(23.4 m)	580.00(0.8), 70.44(0.78), 1459.0(0.56)
418 *1*	0.05 *3*	^{111}Pd(5.5 h)	70.44(8.3), 391.25(5.4), 632.80(3.6)
418.0 *1*	†0.81 *1*	^{158}Ho(11.3 m)	218.21(†100.0), 98.91(†70), 945.7(†37)
418.0 *4*	†1.62 *24*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
• 418	0.0071 *16*	^{193}Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
418.01 *3*	34.2 *10*	^{130}I(12.36 h)	536.09(99), 668.54(96), 739.48(82)
• 418.06 *20*	0.042 *6*	^{194}Au(38.02 h)	328.455(60), 293.545(10.2), 1468.91(6.3)
• 418.1 *1*	0.0054 *11*	^{225}Ac(10.0 d)	99.91(1.01), 150.04(0.80), 99.63(0.62)
418.2 *8*	0.21 *6*	^{121}Cd(8.3 s)	2059.41(21.0), 1020.89(18.9), 987.81(13.6)
418.2 *4*	0.31	^{148}Pr(2.27 m)	301.702(61), 1357.78(5.5), 1023.18(4.8)
418.2 *3*	0.18 *5*	^{159}Er(36 m)	624.5(33), 649.1(23.4), 205.92(9.7)
418.22 *18*	12.5 *10*	^{186}Ta(10.5 m)	197.93(50), 214.87(42.3), 510.82(37.5)
• 418.27 *7*	0.055 *6*	^{193}Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
418.3 *2*	†100	^{153}Nd(28.9 s)	105.4(†36), 475.2(†33), 83.0(†27)
418.35 *10*	0.88 *16*	^{177}W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
• 418.37 *3*	4.41 *15*	^{83}Sr(32.41 h)	762.65(30), 381.53(14.1), 381.17(2.49)
418.4 *2*	0.025 *6*	^{133}Te(12.5 m)	312.072(62), 407.63(27.1), 1333.21(10.67)
418.4 *2*	0.059 *10*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
418.4 *5*	0.012	^{233}Th(22.3 m)	86.477(2.7), 29.374(2.5), 459.222(1.4)
• 418.44 *4*	0.00366 *24*	^{140}Ba(12.752 d)	537.261(24.39), 29.9640(14.1), 162.660(6.21)
• 418.494 *3*	0.0081 *4*	^{161}Tb(6.88 d)	25.65150(23.2), 48.91562(17.0), 74.56711(10.2)
418.50 *12*	†6.2 *5*	^{102}Tc(4.35 m)	475.070(†115), 628.05(†35.3), 631.28(†21.3)
• 418.50 *12*	9.4 *10*	^{102}Rh(2.9 y)	475.070(95), 631.28(55.9), 697.49(43.9)
• 418.50 *12*	†0.124 *21*	^{102}Rh(207 d)	475.070(†47), 628.05(†4.6), 1103.16(†2.99)
418.5 *3*	†3.6 *6*	^{142}Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
• 418.5 *3*	0.220 *23*	^{252}Es(471.7 d)	52.33(0.55), 64.42(0.274), 377.4(0.122)
• 418.51 *6*	0.072 *7*	^{69}Ge(39.05 h)	1107.01(36), 574.17(13.3), 872.14(11.9)
• 418.5391 *7*	21.3 *8*	^{177}Lu(160.4 d)	208.3664(57.7), 228.4838(37.0), 378.5029(29.7)
418.6 *2*	2.2 *8*	^{103}Zr(1.3 s)	248(100), 164.05(94), 126.30(84)
418.6 *4*	0.028 *11*	^{162}Tm(21.70 m)	102.00(17.5), 798.68(8.4), 227.52(7)
418.61 *19*	0.44 *16*	^{105}Tc(7.6 m)	143.26(16), 107.945(14.1), 321.50(11.1)
418.7	0.16	^{83}Zr(44 s)	55.55(8), 104.97(5.70), 475.1(5.1)
418.7 *5*	†0.8	^{183}Hg(9.4 s)	60.5(†100), 159.91(†21), 172.70(†17)
418.7 *3*	†9 *1*	^{184}Tl(11 s)	366.51(†100), 286.80(†39), 340.0(†25)
418.71 *28*	0.60 *17*	^{106}Rh(131 m)	511.842(85), 1045.83(30.4), 717.24(28.9)
• 418.71 *28*	0.33 *6*	^{106}Ag(8.28 d)	511.842(88), 1045.83(29.6), 717.24(28.9)
• 418.77 *13*	0.0052 *6*	^{149}Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
418.8	0.064 *14*	^{141}Ba(18.27 m)	190.328(46.0), 304.194(25.4), 276.948(23.4)
418.8 *2*	0.27 *3*	^{185}Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
418.8 *2*	†6 *2*	^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
418.9 *2*	†57 *5*	^{112}Te(2.0 m)	372.70(†100), 296.20(†86), 350.9(†36)
• 418.9 *6*	>0.012	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
418.99 *4*	†75 *8*	^{155}Nd(8.9 s)	180.574(†100), 955.08(†50), 67.432(†38)
418.99 *12*	0.168 *23*	^{174}Ta(1.05 h)	206.50(58), 91.00(16.0), 1205.92(4.9)
• 419.0	0.019	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 419.00 *5*	0.061 *5*	^{195}Hg(41.6 h)	261.75(30.9), 560.27(7), 387.87(2.15)
• 419.082 *7*	0.0164 *21*	^{77}Br(57.036 h)	238.996(23), 520.639(22.4), 297.215(4.16)
419.1 *2*	0.185 *7*	^{75}Ge(82.78 m)	264.6584(11), 198.6031(1.19), 468.8(0.223)
• 419.1 *2*	0.0135 *12*	^{75}Se(119.779 d)	264.6584(58.50), 136.0008(58.3), 279.5441(24.79)
419.1 *2*	0.23 *6*	^{108}In(58.0 m)	875.46(100), 632.96(100), 242.84(41)
419.1 *5*	>0.35	^{137}Pm(2.4 m)	177.5(40.29), 108.6(35), 233.6(29.57)
419.12 *5*	0.320 *12*	^{90}Kr(32.32 s)	1118.69(39.0), 121.82(35.5), 539.49(30.8)
419.13 *11*	0.52 *5*	^{204}Po(3.53 h)	883.984(29.9), 270.068(27.8), 1016.31(24.1)
419.16 *5*	0.470 *24*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
419.2 *3*	0.038 *10*	^{89}Kr(3.15 m)	220.948(20.1), 586.03(16.6), 904.27(7.2)
419.2 *1*	0.44 *11*	^{107}Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
419.2 *7*		^{173}Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
419.2 *1*	0.79 *6*	^{240}Np(61.9 m)	566.34(25.3), 973.9(23.8), 600.57(18.4)
419.21 *8*	†44 *10*	^{216}Bi(3.6 s)	549.73(†100)
419.3 *3*	0.011 *3*	^{139}Cs(9.27 m)	1283.23(8.3), 627.24(1.78), 1420.66(0.91)
419.3 *2*		^{146}Dy(29 s)	2156.8, 1915.7, 1876.7
419.3 *1*	†10	^{172}Re(15 s)	253.9(†100), 350.5(†55), 123.2(†45)
• 419.33 *4*	†2.87×10^5 *6*	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^9), 33.195(†6000×10^8)
• 419.39 *8*	0.036 *3*	^{169}Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
419.4 *2*	†5.4 *12*	^{105}Nb(2.95 s)	94.8(†100), 246.9(†79), 309.9(†41.9)
419.42 *10*	0.021 *3*	^{228}Ac(6.15 h)	911.205(26.6), 968.971(16.2), 338.322(11.3)
419.43 *7*	2.42 *22*	^{203}Po(36.7 m)	908.64(55), 1090.95(19.2), 893.49(18.7)
419.5	0.09	^{95}Sr(23.90 s)	685.6(23), 2717.3(4.6), 2933.1(4.1)
419.5 *5*	3.0 *15*	^{139}Eu(17.9 s)	267.3(31), 155.3(31), 190.1(25)
419.54 *35*	0.040 *9*	^{164}Yb(75.8 m)	40.928(1.147), 675.41(0.38), 390.6(0.31)
• 419.55 *5*	0.0035 *11*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
419.57 *5*	92 *2*	^{140}Pm(5.95 m)	1028.19(100), 773.74(100), 1197.5(3.8)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
419.6 *5*	0.042 *9*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
419.6 *5*	0.26 *7*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
419.61 *12*	†0.10 *3*	^{184}Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
• 419.65 *5*	0.502 *13*	^{170}Lu(2.00 d)	84.2551(4.256), 1280.25(3.450), 2041.88(1.434)
419.69 *15*	0.38 *9*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
419.7 *3*	0.40 *11*	^{139}Sm(2.57 m)	273.7(37), 306.7(28.5), 596.3(8.0)
419.7 *9*	>0.11	^{172}Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
419.7 *3*	†5.2 *10*	^{189}Hg(7.6 m)	320.99(†100), 78.21(†63), 565.42(†48)
419.70 *13*	91 *3*	^{200}Bi(36.4 m)	1026.5(100), 462.34(98), 245.154(46)
419.70 *13*	†26.0 *13*	^{200}Bi(31 m)	1026.5(†110), 462.34(†45.7), 245.154(†5.6)
419.74 *2*	0.20 *4*	^{145}Cs(0.594 s)	175.36(20), 198.93(10.9), 112.46(10.71)
419.75 *3*	1.23 *3*	^{77}Ge(11.30 h)	264.44(54), 211.03(30.8), 215.50(28.6)
419.75 *3*	0.094 *10*	^{77}Ge(52.9 s)	215.50(21), 194.76(0.408), 614.39(0.044)
419.79 *4*	0.18 *4*	^{117}Cd(2.49 h)	273.349(28), 1303.27(18.4), 344.459(17.9)
419.8 *10*	0.40 *20*	^{104}In(1.8 m)	658.0(100), 834.1(99), 878.1(29.4)
419.8 *2*	†1.43 *19*	^{168}Re(4.4 s)	199.3(†100), 363.2(†95), 479.8(†62.8)
419.8 *3*	†56 *7*	^{180}Yb(2.4 m)	172.9(†100), 375.0(†87), 339.2(†44)
419.81 *3*	0.616 *22*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
419.81 *16*	0.63 *8*	^{195}Pb(15.0 m)	383.64(106.9), 394.21(44), 878.40(24.2)
419.83 *7*	†26.7 *8*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
419.9 *3*	0.083 *4*	^{171}Er(7.516 h)	308.31(64.4), 295.901(28.9), 111.621(20.5)
420.0 *1*	†581 *57*	^{157}Ho(12.6 m)	279.97(†47600), 341.16(†37000), 193.41(†15200)
420.0 *2*	0.169 *25*	^{167}Lu(51.5 m)	29.66(14.4), 239.22(8.6), 213.19(3.6)
420.0 *3*	0.10 *4*	^{181}Re(19.9 h)	365.57(56), 360.70(20), 639.30(6.4)
420.090 *9*	0.92 *7*	^{157}Eu(15.18 h)	63.929(23.0), 410.723(17.5), 370.509(11.0)
420.1 *4*	0.08 *4*	^{101}Ag(11.1 m)	261.0(53), 588.0(10.0), 667.3(9.8)
420.10 *10*	4.41 *21*	^{121}Cd(8.3 s)	2059.41(21.0), 1020.89(18.9), 987.81(13.6)
420.1 *1*		^{153}Ho(9.3 m)	108.7(†100), 365.9(†92), 161.5(†83)
420.1 *4*	18.6 *19*	^{191}Hg(50.8 m)	252.5(57), 578.6(17.6), 274.2(13)
420.12 *10*	0.00026 *8*	^{135}La(19.5 h)	480.51(1.5), 874.51(0.164), 587.83(0.1108)
420.20 *30*	0.128 *23*	^{115}Ag(20.0 m)	229.08(18), 212.80(4.4), 472.70(4.0)
420.2 *3*	0.0093 *25*	^{121}I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
420.2 *2*	†2.4 *3*	^{136}Pm(107 s)	373.8(†100), 602.7(†38.4), 857.2(†23.4)
420.2 *2*	0.24	^{142}La(91.1 m)	641.285(47), 2397.8(13.3), 2542.7(10.00)
420.2 *7*	0.50 *6*	^{199}Bi(27 m)	560.1(22.0), 424.85(22), 841.7(11)
420.28 *5*	0.0271 *25*	^{90}Nb(14.60 h)	1129.224(92.7), 2318.968(82.03), 141.178(66.8)
420.3 *3*	1.84 *13*	^{83}Y(7.08 m)	35.50(0.44), 882.1(6.30), 489.90(5.53)
420.3 *3*	1.00 *25*	^{97}Sr(426 ms)	1905.0(25), 953.8(21.4), 652.2(11.4)
420.32 *13*	0.23 *4*	^{151}Dy(17.9 m)	386.10(19.4), 49.46(18.0), 546.31(14.3)
• 420.34 *5*	0.166 *12*	^{193}Os(30.5 h)	139.03(4.27), 460.50(3.95), 73.039(3.2)
• 420.4 *2*	3.2 *3*	^{102}Rh(2.9 y)	475.070(95), 631.28(55.9), 697.49(43.9)
420.4 *5*	0.22	^{125}Cd(0.57 s)	1027.53(25.8), 1173.16(25.1), 736.65(12.6)
420.4 *2*	0.47 *13*	^{153}Ho(2.0 m)	295.8(67), 637.0(5.36), 688.5(3.7)
420.4 *3*	†<1.3	^{182}Au(21 s)	154.76(†100), 264.33(†40.0), 855.41(†14.5)
420.45 *15*	†8.9 *13*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
420.48 *9*	0.109 *20*	^{150}Pm(2.68 h)	333.971(68), 1324.51(17.5), 1165.739(15.8)
420.5	<0.03	^{48}Cr(21.56 h)	308.25(100), 112.36(96.0)
420.53 *25*	†0.31 *3*	^{184}Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
• 420.532 *10*	0.0737 *25*	^{192}Ir(73.831 d)	205.79549(3.300), 484.5780(3.184), 374.4852(0.721)
420.6 *3*	0.88 *7*	^{109}In(4.2 h)	203.5(74), 623.7(5.5), 1148.9(4.3)
• 420.63 *15*	0.053 *19*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
• 420.63 *12*	1.64 *7*	^{190}Ir(11.78 d)	186.718(52.4), 605.24(39.9), 518.55(34.0)
• 420.65 *6*	0.056 *7*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
420.7 *2*	†54	^{101}In(16 s)	252(†100), 750.3(†61), 891.4(†48)
420.7 *2*	0.24 *16*	^{113}Sb(6.67 m)	497.96(80), 332.41(14.8), 88.25(2.7)
420.7 *4*	0.16 *4*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
420.7 *4*	1.05 *11*	^{231}Np(48.8 m)	370.9(10), 348.4(3.63), 263.8(2.84)
420.78 *9*	1.5 *3*	^{156}Tm(83.8 s)	344.55(86), 452.85(17.2), 585.93(14.6)
• 420.8 *1*	0.031 *3*	^{177}Ta(56.56 h)	112.9498(7.2), 208.3664(0.94), 1057.8(0.29)
420.801 *17*	2.87 *13*	^{186}Ir(16.64 h)	296.911(64.0), 137.155(42), 434.849(34.4)
420.9 *10*		^{77}Ga(13.2 s)	469.4(†100), 458.6(†48), 2187.3
• 420.90 *2*	0.0337 *13*	^{147}Eu(24.1 d)	197.299(27), 121.220(22.9), 677.516(9.8)
420.9 *3*	†2.71 *10*	^{196}Ir(1.40 h)	393.346(†105.2), 521.175(†104), 447.1(†102.1)
• 420.94 *9*	0.105 *10*	^{105}Ag(41.29 d)	344.520(41), 280.41(30.2), 644.55(11.1)
420.97 *3*	0.70 *4*	^{155}Ho(48 m)	240.19(12.5), 136.30(5.00), 45.38(5)
420.98 *25*	0.66 *8*	^{186}Tl(27.5 s)	405.43(92), 402.72(45.9), 356.84(29.3)
421.0 *3*	0.25 *8*	^{90}Mo(5.67 h)	257.34(78), 122.370(64.2), 203.13(6.4)
421.0 *2*	2.6 *3*	^{104}Mo(60 s)	68.8(55), 69.7(17.8), 36.3(14)
421.00 *5*	0.0132 *19*	^{127}Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
421.0 *2*	†28	^{177}Os(2.8 m)	84.7(†100), 125.4(†63), 195.8(†61)
421.08 *30*	0.018 *4*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
421.08 *5*	0.0220 *17*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)
421.1 *3*	†12.9 *9*	^{111}Ru(2.12 s)	303.8(†100), 211.7(†77.7), 382.0(†41.3)
421.1		^{147}Cs(0.225 s)	85.2(7.3), 245.8(4.5), 109.7(4.5)
421.1 *2*	†59.9 *8*	^{194}Bi(92 s)	965.4(†100.0), 575.1(†98.0), 280.1(†73.7)
• 421.14 *11*	0.023 *1*	^{238}Np(2.117 d)	984.45(27.8), 1028.54(20.3), 1025.87(9.6)
421.17 *7*	0.331 *19*	^{146}La(6.27 s)	258.47(64), 924.58(7.45), 702.28(6.43)
• 421.179 *10*	0.327 *7*	^{165}Tm(30.06 h)	242.917(35.5), 47.155(16.9), 297.369(12.71)
421.2 *4*	2.2 *5*	^{117}Ag(5.34 s)	135.4(48), 386.8(39.9), 298.1(21.1)
421.2 *5*	0.22	^{125}Cd(0.57 s)	1027.53(25.8), 1173.16(25.1), 736.65(12.6)
421.2	0.09	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
421.21 *10*	0.35 *5*	^{208}Rn(24.35 m)	426.78(7.07), 251.05(5.02), 350.026(3.34)
421.26 *9*	2.09 *11*	^{166}Lu(1.41 m)	228.12(15), 102.38(13), 285.07(11.0)
421.27 *5*	1.84 *10*	^{79}Ga(2.847 s)	464.79(24.2), 516.41(21.5), 1187.28(12.8)
421.29 *6*	0.95 *7*	^{81}Sr(22.3 m)	153.54(33.8), 147.76(30.1), 443.34(17.5)
421.3 *2*	0.069 *10*	^{95}Ru(1.643 h)	336.43(70.2), 1096.76(21.0), 626.77(17.8)
421.30 *20*		^{106}In(6.2 m)	632.66(100), 861.16(92), 997.87(48)
421.3 *10*	0.012 *6*	^{192}Au(4.94 h)	316.50791(58.0), 295.95827(22.3), 2236.89(5.6)
421.3 *4*	0.05 *3*	^{193}Au(17.65 h)	186.17(10.1), 255.57(6.7), 268.22(3.9)
421.30 *13*	0.0092 *10*	^{249}Cm(64.15 m)	634.31(1.5), 560.45(0.84), 368.76(0.35)
• 421.30 *13*	0.00011	^{253}Es(20.47 d)	41.79(0.050), 389.11(0.0264), 387.1(0.00810)
421.32 *7*	0.042 *8*	^{131}Te(25.0 m)	149.716(69), 452.323(18.18), 1146.96(4.95)
421.4 *6*	0.39 *17*	^{129}Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
421.4 *1*	0.045 *20*	^{143}Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
421.4 *2*	0.0041 *10*	^{167}Yb(17.5 m)	113.34(55.3), 106.18(22.5), 176.25(21)
421.44 *3*	3.45 *24*	^{191}Au(3.18 h)	586.45(17), 277.88(7.2), 674.19(6.8)
421.49 *15*	†13.1 *14*	^{131}Ce(10.3 m)	169.42(†100), 414.25(†68), 119.18(†44)
421.5 *1*	†3.56 *19*	^{196}Bi(240 s)	1049.21(†21.1), 371.93(†20.8), 689.00(†19.2)
421.55 *5*	75	^{97}Rh(30.7 m)	840.13(12.0), 878.80(9.0), 1053.70(1.47)
421.55 *5*	12.7 *17*	^{97}Rh(46.2 m)	189.21(49), 2245.6(14), 1586.66(8.9)
421.59 *7*	0.427 *23*	^{138}Cs(33.41 m)	1435.795(76.3), 462.796(30.7), 1009.78(29.8)
421.6 *2*		^{140}Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
• 421.6	0.065 *9*	^{146}Gd(48.27 d)	154.57(47), 115.51(44.0), 114.71(44.0)
421.6 *3*	0.35 *5*	^{161}Er(3.21 h)	826.6(3.0), 211.15(12.2), 592.6(3.7)
• 421.63 *18*	0.0034 *5*	^{149}Gd(9.28 d)	149.735(48.2), 298.634(28.6), 346.651(23.9)
421.66 *13*	0.450 *21*	^{144}Ba(11.5 s)	103.855(23.30), 430.48(18.3), 172.828(15.4)
421.66 *15*	3.8 *5*	^{184}Hg(30.6 s)	236.18(64), 156.24(58), 295.11(10.3)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
421.7 *3*	0.091 *7*	^{85}Br(2.90 m)	802.41(2.56), 924.63(1.63), 919.06(0.65)
421.70 *18*	0.010 *4*	^{88}Kr(2.84 h)	2392.11(34.6), 196.301(25.98), 2195.842(13.18)
421.72 *4*	1.13 *8*	^{204}Bi(11.22 h)	899.15(98), 374.72(82), 984.02(59)
421.74 *10*	3.2 *3*	^{87}Br(55.60 s)	1419.71(22.0), 1476.04(7.9), 1577.60(6.0)
421.74 *8*	0.56 *6*	^{101}Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
421.778 *62*	3.64 *18*	^{148}Ce(56 s)	269.519(17.0), 291.724(16.7), 121.169(13.2)
421.8 *2*	>0.09	^{61}Zn(89.1 s)	475.0(16.85), 1660.5(7.80), 970.0(2.57)
421.8 *3*	0.140 *23*	^{69}Cu(2.85 m)	1007.5(23.4), 834.4(13.1), 531.2(6.0)
421.8 *3*	0.08	^{83}Y(7.08 m)	35.50(0.44), 882.1(6.30), 489.90(5.53)
421.8 *3*	19.5 *16*	^{83}Y(2.85 m)	259.10(54), 494.50(8.1)
421.8 *2*	0.5 *1*	^{96}Rh(9.90 m)	832.57(100), 685.49(95.7), 631.71(74.5)
421.8 *8*	0.27 *9*	^{104}Tc(18.3 m)	358.0(89), 530.5(15.6), 535.1(14.7)
421.8 *11*	†1.2 *6*	^{142}Xe(1.22 s)	571.83(†100), 657.05(†79), 538.24(†77)
421.8 *2*	0.15 *6*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
421.8 *3*	0.07 *3*	^{157}Tm(3.63 m)	455.00(9.3), 385.5(8.8), 348.40(8.4)
421.8 *2*	†1.91 *21*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
421.85 *5*	0.043 *3*	^{155}Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
421.860 *23*	11.5 *11*	^{163}Tb(19.5 m)	351.138(26), 389.734(24.3), 494.534(23)
421.9 *2*	1.36 *20*	^{200}Po(11.5 m)	671.0(34.0), 617.7(19.7), 434.4(9.3)
421.92 *3*	0.167 *11*	^{163}Tm(1.810 h)	104.320(18.6), 69.229(11.6), 241.305(10.9)
• 421.932 *7*	2.52 *19*	^{232}Pa(1.31 d)	969.315(41.6), 894.351(19.8), 150.059(10.8)
422.0 *3*	0.68 *8*	^{61}Mn(0.71 s)	628.6(16.7), 206.8(8.2), 391.0(1.1)
422 *1*	0.10 *5*	^{127}In(1.09 s)	1597.7(49), 646.1(6.2), 805.1(5.6)
422.0 *4*	1.34 *18*	^{148}Pr(2.27 m)	301.702(61), 1357.78(5.5), 1023.18(4.8)
• 422.0	0.0022 *8*	^{154}Eu(8.593 y)	123.071(40.79), 1274.436(35.19), 723.304(20.22)
422.0 *5*	0.81 *9*	^{212}Fr(20.0 m)	1273.8(46), 227.72(43), 1185.6(14.1)
422.0 *2*	0.071 *16*	^{227}Fr(2.47 m)	90.035(39), 585.804(29.5), 64.267(14.5)
• 422.04 *10*	0.0029 *5*	^{224}Ra(3.66 d)	240.987(3.97), 292.70(0.0060), 645.50(0.0052)
422.04 *10*	†23 *2*	^{220}At(224 s)	240.987(†100), 292.70(†39), 645.50(†6)
422.1 *3*	†4.9	^{107}Sn(2.90 m)	1129.2(†100), 678.5(†100), 1540.6(†30)
422.17 *11*	0.86 *13*	^{133}Sb(2.5 m)	1096.22(43.0), 817.8(18.5), 2755(12.5)
422.18 *4*	83.7 *25*	^{202}Bi(1.72 h)	960.67(99), 657.49(60.6), 954.45(7.8)
422.2 *3*	0.056 *14*	^{65}Ga(15.2 m)	115.09(54), 61.20(11.4), 153.0(8.9)
422.2 *3*	0.88 *15*	^{98}Sr(0.653 s)	119.353(73), 444.628(39), 428.4(31)
422.2 *3*	0.37 *6*	^{124}Cs(30.8 s)	353.9(40), 914.8(4.0), 492.6(3.6)
422.2		^{124}Cs(30.8 s)	353.9(40), 914.8(4.0), 492.6(3.6)
422.2 *4*	†3.1 *6*	^{198}Tl(1.87 h)	636.4(†202), 411.8044(†202), 587.2(†185)
422.2	†6	^{238}Pa(2.3 m)	1015.3(†<100), 1014.6(†<100), 635.18(†88)
422.26 *25*	0.038 *4*	^{165}Yb(9.9 m)	80.11(49), 68.86(9.1), 1090.28(4.4)
422.27 *6*	0.089 *5*	^{105}Cd(55.5 m)	961.84(4.69), 346.870(4.20), 1302.459(3.98)
• 422.3 *3*	0.013 *4*	^{146}Eu(4.59 d)	747.2(98), 633.03(43), 634.07(37)
422.3 *3*	†13 *4*	^{157}Yb(38.6 s)	230.92(†100), 340.7(†90), 241.7(†74)
422.30 *15*	0.047 *4*	^{187}Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
422.3 *6*	0.38	^{203}Bi(11.76 h)	820.3(30), 825.2(14.6), 896.9(13)
422.3 *2*	0.082 *11*	^{228}Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
422.3 *3*	0.72 *9*	^{251}Cm(16.8 m)	542.7(10.9), 530.0(1.62), 389.7(1.28)
422.318 *4*	0.214 *17*	^{168}Ho(2.99 m)	741.356(36.6), 821.164(34.5), 815.990(18.6)
• 422.318 *4*	0.293 *4*	^{168}Tm(93.1 d)	198.241(52.39), 815.990(48.99), 447.515(23.05)
• 422.380 *12*	7.95 *4*	^{156}Tb(5.35 d)	534.318(66.6), 199.2132(40.9), 1222.36(31.00)
422.4 *5*	0.26 *7*	^{99}Ag(124 s)	264.41(65), 832.29(13.5), 805.07(12.5)
422.4 *5*	0.09 *3*	^{101}Mo(14.61 m)	191.92(19), 590.91(16.4), 1012.47(12.8)
422.4 *4*	0.035 *9*	^{101}Tc(14.22 m)	306.85(88), 545.06(6.0), 127.23(2.86)
• 422.4 *4*	0.38 *6*	^{101}Rh(3.3 y)	127.23(73), 197.6(70.8), 324.8(13.4)
422.4 *6*	0.46	^{116}Ag(2.68 m)	513.39(76), 2478.5(12), 699.58(11)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
422.4 *1*	9.5 *6*	^{119}Cd(2.20 m)	1025.0(24.8), 2021.3(22.6), 720.7(17.9)
422.4 *2*	0.41 *12*	^{141}Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
422.4	66 *15*	^{152}Tm(5.2 s)	807.9(100), 672.5(76), 279.9(46)
422.40 *15*	0.46 *9*	^{159}Tm(9.13 m)	38.35(5.8), 84.8(5.8), 271.30(5.1)
422.4 *3*	0.132 *19*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
422.47 *15*	0.37 *5*	^{81}Sr(22.3 m)	153.54(33.8), 147.76(30.1), 443.34(17.5)
• 422.598 *4*	0.000122 *2*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
422.6 *2*	<0.2	^{59}Zn(182.0 ms)	491.13(4.8), 913.85(1.1)
422.6 *2*	†4.2 *4*	^{110}Tc(0.92 s)	240.67(†100), 372.1(†17.0), 613.0(†16.0)
422.6 *3*	0.86 *11*	^{136}Sm(47 s)	114.4(36), 747.7(5.4), 485.3(5.0)
422.6 *2*	0.41 *6*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
422.6 *4*	0.10 *5*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
• 422.61 *3*	0.137 *6*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
422.7 *1*	†20.2 *13*	^{155}Er(5.3 m)	110.12(†100), 241.5(†65), 234.0(†40.0)
422.8 *5*	†20	^{99}Rb(59 ms)	90.8(†100), 125.2(†40), 1071.6(†26)
422.8 *2*	0.30 *6*	^{157}Er(18.65 m)	53.05(24), 391.32(14.2), 121.57(10.1)
422.80 *20*	0.03 *1*	^{163}Yb(11.05 m)	860.28(10.1), 63.62(6.5), 123.21(1.98)
422.8 *4*	0.17 *9*	^{185}Au(4.25 m)	310.6(13), 243.1(6.6), 77.7(6)
422.8 *1*	†100	^{192}Tl(9.6 m)	634.8(†75.9), 786.3(†31.7), 745.5(†26.8)
422.84 *9*	0.57 *4*	^{101}Sr(118 ms)	128.34(18.0), 1124.82(10.9), 510.73(8.5)
422.9 *1*	3.3 *8*	^{108}Tc(5.17 s)	242.25(82), 465.6(14.3), 707.81(11.4)
422.9 *2*	†6.8 *12*	^{229}Ac(62.7 m)	164.522(†100), 569.1(†91), 261.92(†39)
422.91 *10*	2.8 *4*	^{125}Cd(0.65 s)	436.29(37), 1099.48(22.3), 2147.19(19.1)
422.910 *16*	0.311 *9*	^{133}I(20.8 h)	529.872(87.0), 875.329(4.51), 1298.223(2.35)
422.92 *5*	0.710 *24*	^{133}Ce(4.9 h)	477.22(39), 510.36(20.7), 58.39(19.2)
422.94 *20*	0.37 *7*	^{175}Tm(15.2 m)	514.868(65), 941.23(15), 363.942(12.7)
423.0 *1*	1.96 *17*	^{129}Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
• 423.04 *6*	0.0156 *12*	^{172}Tm(63.6 h)	78.7435(6.5), 1093.657(6.0), 1387.093(5.6)
423.057 *15*	0.0631 *25*	^{173}Hf(23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
423.1 *1*	0.3 *1*	^{107}Tc(21.2 s)	102.70(21.0), 177.00(9.2), 106.31(7.6)
423.1 *1*	0.95 *5*	^{236}Pa(9.1 m)	642.35(37.0), 687.59(9.9), 1762.7(6.0)
423.150 *25*	0.0301 *15*	^{107}Cd(6.50 h)	93.124(1.45), 828.93(0.17), 796.462(0.0665)
423.15 *30*	0.017 *4*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
423.17 *17*	0.224 *21*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
423.2 *3*	0.038 *3*	^{71}Zn(2.45 m)	511.56(32), 910.27(7.8), 389.88(3.8)
423.2 *3*	1.7 *9*	^{152}Ho(161.8 s)	613.8(73), 613.8(14), 1098.0(12)
423.2 *1*	0.35 *5*	^{181}Au(11.4 s)	198.60(4.4), 2022.4(4.2), 79.40(4.2)
423.2 *1*	0.090 *16*	^{230}Ac(122 s)	454.95(8), 508.20(5.15), 1243.9(3.50)
423.2		^{243}Pu(4.956 h)	84.0(23), 41.8(0.76), 381.7(0.56)
423.2 *3*	0.0131 *14*	^{243}Pu(4.956 h)	84.0(23), 41.8(0.76), 381.7(0.56)
423.2 *3*	>0.034	^{245}Pu(10.5 h)	327.428(25.4), 560.13(5.4), 308.222(4.9)
423.3 *4*	†0.5 *3*	^{101}Nb(7.1 s)	276.10(†100), 157.466(†32), 13.5(†32)
423.3 *1*	>0.18	^{113}Ag(68.7 s)	316.3(18), 392.3(11), 298.58(10)
423.3 *4*	†44 *3*	^{172}W(6.6 m)	38.9(†100), 89.8(†33.0), 221.3(†29)
423.3 *3*	0.35 *3*	^{184}Pt(17.3 m)	154.90(31), 191.97(27), 548.36(23.1)
423.3 *3*	0.18 *3*	^{197}Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
423.3 *4*	†3.8 *6*	^{198}Tl(1.87 h)	636.4(†202), 411.8044(†202), 587.2(†185)
• 423.34 *10*	4.36 *23*	^{188}Pt(10.2 d)	187.59(19.4), 195.05(18.6), 381.43(7.5)
• 423.376 *17*	0.028 *3*	^{169}Lu(34.06 h)	960.622(23.4), 191.2137(20.6), 1449.74(9.92)
423.40 *3*	3.53 *17*	^{133}Sb(2.5 m)	1096.22(43.0), 817.8(18.5), 2755(12.5)
• 423.4 *3*	0.012 *6*	^{153}Tb(2.34 d)	212.038(31.0), 170.504(6.8), 109.758(6.4)
423.40 *17*	0.44 *7*	^{156}Tm(83.8 s)	344.55(86), 452.85(17.2), 585.93(14.6)
423.4 *1*	†3.5 *4*	^{171}Ta(23.3 m)	49.6(†100), 506.4(†54), 501.8(†22.6)
423.4 *5*	0.0040 *17*	^{246}Am(25.0 m)	1078.86(27.7), 798.80(25), 1062.04(17.1)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
• 423.45 *9*	0.0027 *6*	^{152}Eu(13.542 y)	121.7824(28.4), 1408.011(20.87), 964.131(14.34)
423.462 *18*	2.66 *12*	^{59}Cu(81.5 s)	1301.46(14.78), 877.97(11.40), 339.411(7.97)
423.5 *1*		^{115}Pd(25 s)	342.71(8), 303.87(7), 396.56(6)
423.5 *2*	0.23 *5*	^{118}Cs(14 s)	337.4(100), 472.8(37.4), 586.6(15.4)
423.5 *2*	0.18 *8*	^{121}Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
• 423.5 *4*	0.038 *9*	^{148}Eu(54.5 d)	550.284(98.5), 629.987(71.9), 611.293(20.5)
423.5 *1*	0.155 *5*	^{210}Rn(2.4 h)	458.25(1.7), 648.70(0.843), 570.95(0.840)
423.553 *10*	7.4 *4*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
423.56 *2*	6.59 *13*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
423.56 *2*	0.118 *6*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
423.60 *3*	3.83 *6*	^{145}Ce(3.01 m)	724.33(59), 62.54(13.33), 1148.03(9.15)
423.6 *3*	0.85 *17*	^{176}Tm(1.9 m)	189.57(44.5), 1069.3(34), 381.8(21.8)
• 423.63 *3*	1.59 *6*	^{83}Sr(32.41 h)	762.65(30), 381.53(14.1), 418.37(4.41)
• 423.722 *1*	3.098 *24*	^{140}Ba(12.752 d)	537.261(24.39), 29.9640(14.1), 162.660(6.21)
423.8 *1*	0.025 *3*	^{121}I(2.12 h)	212.189(84), 532.08(6.07), 598.74(1.47)
423.8 *2*	0.00060 *6*	^{255}Fm(20.07 h)	81.477(0.81), 58.477(0.67), 80.92(0.27)
423.86 *7*	0.18 *3*	^{161}Gd(3.66 m)	360.94(0.59), 314.92(22.7), 102.315(13.9)
423.89 *5*	2.06 *17*	^{141}Xe(1.73 s)	909.23(24.0), 118.705(16.1), 105.937(9.8)
423.9 *2*	0.00095 *20*	^{109}Pd(13.7012 h)	88.04(1.171), 311.4(0.032), 647.3(0.024)
423.910 *17*	†2.6 *6*	^{103}Nb(1.5 s)	102.64(†100), 641.1(†55), 538.5(†34.0)
423.91 *2*	†69	^{103}Mo(67.5 s)	83.4(†100), 45.8(†57), 687.6(†31)
424.0 *10*	4.1 *16*	^{73}Kr(27.0 s)	177.8(65.8), 62.5(19.1), 454.8(15)
424.0 *1*	43.4 *24*	^{76}Rb(39.1 s)	2571.3(47), 355.6(8.2), 1803.3(7.6)
424.0 *1*	0.91 *20*	^{177}W(135 m)	115.65(50), 426.98(13.2), 1036.4(10.3)
424.0 *1*	3.4 *3*	^{188}Tl(71 s)	412.7(88), 592.0(61), 504.2(23.3)
424.0	>0.013	^{197}Tl(2.84 h)	425.84(12.9), 152.22(7.2), 1411.34(4.5)
424.09 *18*	0.62 *6*	^{186}Au(10.7 m)	191.56(62), 298.67(25.4), 764.89(10.5)
424.1 *2*	†3.7 *4*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
• 424.178 *13*	0.0219 *23*	^{77}Br(57.036 h)	238.996(23), 520.639(22.4), 297.215(4.16)
424.2 *2*	†3.7 *4*	^{110}Tc(0.92 s)	240.67(†100), 372.1(†17.0), 613.0(†16.0)
424.2 *3*	1.21 *13*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
424.2 *3*	0.25 *5*	^{127}In(1.09 s)	1597.7(49), 646.1(6.2), 805.1(5.6)
424.2 *2*	0.094 *12*	^{183}Au(42.0 s)	161.18(9.4), 214.13(5.9), 313.08(5.0)
424.2 *2*	0.50 *10*	^{184}Au(53.0 s)	162.97(50), 272.98(40), 362.47(17.5)
424.27 *18*	12.2 *4*	^{186}Tl(27.5 s)	405.43(92), 402.72(45.9), 356.84(29.3)
424.3 *1*	0.76 *9*	^{139}Nd(5.50 h)	113.94(40), 737.96(35), 982.2(26.4)
• 424.38 *20*	0.00242 *24*	^{153}Sm(46.27 h)	103.1807(31.4), 69.67340(4.85), 97.4316(0.847)
424.39 *14*	0.39 *7*	^{156}Ho(56 m)	266.35(54.7), 137.83(51), 366.25(10.73)
424.4 *6*	0.64 *20*	^{104}In(1.8 m)	658.0(100), 834.1(99), 878.1(29.4)
424.4 *2*	1.20 *17*	^{180}Lu(5.7 m)	407.94(43.0), 1199.7(24.3), 1106.00(22.7)
424.46 *15*	0.044 *4*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
424.48 *15*	0.050 *5*	^{176}Ta(8.09 h)	1159.28(25), 88.34(12), 1224.93(6)
424.5	0.23	^{147}Ba(0.893 s)	167.4(11), 105.2(4.8), 196.1(4.8)
424.5 *7*	0.89 *14*	^{201}Bi(108 m)	629.1(24.0), 936.2(11.3), 1014.1(10.7)
• 424.55 *6*	0.050 *7*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
424.6 *5*	0.021 *14*	^{162}Tm(21.70 m)	102.00(17.5), 798.68(8.4), 227.52(7)
• 424.6 *1*	0.103 *9*	^{177}Ta(56.56 h)	112.9498(7.2), 208.3664(0.94), 1057.8(0.29)
424.67 *3*	1.16 *8*	^{132}Ce(3.51 h)	182.11(77), 155.37(10.5), 216.83(4.95)
424.70 *13*	0.25 *3*	^{93}Sr(7.423 m)	590.238(67), 875.73(24.1), 888.13(21.8)
424.7 *2*	0.468 *20*	^{162}Ho(67.0 m)	185.005(28.6), 1220.0(22.5), 282.864(11.3)
• 424.71 *15*	0.034 *6*	^{188}Ir(41.5 h)	155.032(29.7), 2214.62(18.7), 632.99(18)
424.76 *12*	0.15 *3*	^{193}Au(17.65 h)	186.17(10.1), 255.57(6.7), 268.22(3.9)
424.85 *5*	0.473 *25*	^{143}Ba(14.33 s)	211.475(25), 798.79(15.6), 980.45(11.55)
424.85 *15*	22	^{199}Bi(27 m)	560.1(22.0), 841.7(11), 946.0(10.8)

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
424.9	32 *4*	^{36}Si(0.45 s)	175.0(68), 249.9(68), 878.2(44)
424.9 *5*	0.0224 *23*	^{171}Er(7.516 h)	308.31(64.4), 295.901(28.9), 111.621(20.5)
424.92 *15*	0.00068 *21*	^{145}Pr(5.984 h)	748.278(0.5250), 675.795(0.514), 72.500(0.261)
425 *1*	0.93 *21*	^{164}Tb(3.0 m)	168.838(25.4), 754.80(23.3), 215.07(21)
425.03 *3*	0.061 *3*	^{155}Dy(9.9 h)	226.918(68.4), 184.564(3.37), 1089.8(>2.8)
425.036 *31*	5.72 *10*	^{142}Ba(10.6 m)	255.300(20.5), 1204.3(14.23), 895.2(13.9)
425.1 *3*	0.0137 *20*	^{45}Ti(184.8 m)	720.22(0.154), 1408.6(0.085), 1662.4(0.041)
425.1 *3*	0.36 *8*	^{90}Mo(5.67 h)	257.34(78), 122.370(64.2), 203.13(6.4)
425.10 *7*	0.48 *5*	^{150}Pm(2.68 h)	333.971(68), 1324.51(17.5), 1165.739(15.8)
425.10 *7*	0.0079 *16*	^{150}Eu(12.8 h)	333.971(4.0), 406.52(2.81), 1165.739(0.257)
425.1 *1*	0.060 *11*	^{228}Fr(39 s)	473.7(10.2), 474.0(7.6), 410.40(6.3)
• 425.1	0.00024	^{253}Es(20.47 d)	41.79(0.050), 389.11(0.0264), 387.1(0.00810)
425.19 *25*	0.19 *4*	^{207}At(1.80 h)	814.41(44.5), 588.33(19.2), 300.654(12.8)
425.2 *5*	†8	^{154}Nd(25.9 s)	151.703(†800), 799.55(†600), 180.693(†510)
425.2	†10 *3*	^{210}Fr(3.18 m)	643.8(†100), 817.6(†60), 203.1(†35)
425.22 *3*	0.272 *10*	^{149}Nd(1.728 h)	211.309(25.9), 114.314(19.2), 270.166(10.7)
425.23 *3*	2.8 *5*	^{120}I(53 m)	560.44(100), 601.11(87), 614.62(67)
425.30 *11*	100 *10*	^{84}Br(6.0 m)	881.610(98), 1463.84(97), 446.9(3)
425.3 *2*	†1.8 *3*	^{158}Ho(11.3 m)	218.21(†100.0), 98.91(†70), 945.7(†37)
425.3 *2*	0.036 *10*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
425.340 *3*	0.143 *12*	^{199}Pt(30.80 m)	542.993(15), 493.772(5.59), 317.056(4.95)
425.4 *7*	0.17 *8*	^{123}In(5.98 s)	1130.5(63), 1019.7(32), 618.8(2.6)
425.40 *10*	0.22 *4*	^{162}Yb(18.87 m)	163.35(40.0), 118.70(33.6), 576.10(3.24)
425.4 *1*	0.95 *5*	^{251}Fm(5.30 h)	480.4(0.392), 358.3(0.315), 383.2(0.0196)
425.41 *20*	0.66 *19*	^{195}Ir(3.8 h)	98.85(10), 684.88(9.4), 432.86(9)
• 425.48 *7*	0.0184 *13*	^{145}Eu(5.93 d)	893.73(66), 653.512(15.0), 1658.53(14.9)
425.5	>0.08	^{83}Zr(44 s)	55.55(8), 104.97(5.70), 475.1(5.1)
425.5 *2*	0.0049 *8*	^{90}Nb(14.60 h)	1129.224(92.7), 2318.968(82.03), 141.178(66.8)
425.6 *2*	0.11	^{140}Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
• 425.6 *4*	0.010 *3*	^{151}Pm(28.40 h)	340.08(23), 167.75(8.3), 275.21(6.8)
425.6 *5*	0.23 *5*	^{161}Tm(33 m)	45.54(5.00), 1648.1(9.50), 84.40(9.4)
425.6 *4*	0.058 *4*	^{233}Np(36.2 m)	312.17(0.7), 298.89(0.44), 546.9(0.280)
425.68 *8*	1.00 *6*	^{148}La(1.05 s)	158.468(55.6), 989.85(9.3), 760.30(8.6)
425.7 *4*	0.23 *4*	^{127}Sn(2.10 h)	1114.3(39), 1095.6(20), 823.1(10.9)
425.7 *1*	†1.55 *11*	^{129}Ba(2.17 h)	182.30(†100), 1459.1(†50.0), 202.38(†33.7)
425.7 *4*	0.42 *8*	^{148}Ho(9.59 s)	1687.5(82.47), 660.8(58.94), 504.3(18.62)
425.7 *3*	1.1	^{170}Hf(16.01 h)	164.78(33), 620.7(23), 120.17(19)
425.7 *2*	>0.017	^{173}Ta(3.14 h)	172.2(18), 69.70(5.9), 90.3(5.0)
• 425.784 *4*	0.00030 *5*	^{161}Tb(6.88 d)	25.65150(23.2), 48.91562(17.0), 74.56711(10.2)
425.784 *4*		^{161}Ho(2.48 h)	25.65150(27), 103.062(3.9), 77.414(1.91)
425.8 *3*	†100	^{151}Yb(1.6 s)	1050.2(†100), 1245.6(†100), 624.8(†100)
425.8 *1*	1.94 *12*	^{237}Am(73.0 m)	280.23(47.3), 438.4(8.3), 473.5(4.3)
425.84 *10*	12.9 *9*	^{197}Tl(2.84 h)	152.22(7.2), 1411.34(4.5), 577.97(4.4)
425.89 *20*	0.169 *24*	^{91}Mo(65.0 s)	1507.93(24.3), 1208.09(18.7), 2240.87(0.73)
425.9 *2*	1.1 *3*	^{129}Sn(6.9 m)	1161.31(56.0), 1128.44(50), 760.8(16.8)
425.9 *3*	0.19 *3*	^{136}Nd(50.65 m)	108.90(32), 40.2(18.9), 574.8(10.4)
425.9 *5*	0.36 *18*	^{150}Tb(3.48 h)	638.05(72), 496.3(14.8), 792.5(4.39)
425.97 *23*	0.305 *16*	^{86}Y(14.74 h)	1076.64(83), 627.72(32.6), 1153.01(30.5)
425.98 *5*	0.111 *11*	^{153}Dy(6.4 h)	80.723(11.10), 213.754(10.90), 99.659(10.51)
426.0 *4*	0.148 *8*	^{61}Zn(89.1 s)	475.0(16.85), 1660.5(7.80), 970.0(2.57)
426.0 *1*	1.2 *3*	^{141}Tb(3.5 s)	293.3(16.8), 343.6(16.3), 198.4(14.8)
• 426.00 *3*	0.58 *12*	^{166}Dy(81.6 h)	82.471(14), 28.242(1.13), 54.2400(0.81)
426		^{195}Tl(1.16 h)	563.52(10.5), 884.47(10.0), 1363.88(8.4)
• 426.0 *1*	†1.4×10^3	^{196}Au(6.183 d)	

E_γ(ΔE)	I_γ(ΔI)	Decay Parent	Associated γ-rays: $E_\gamma(I_\gamma)$
426.0 *1*	84 *4*	^{196}Tl(1.84 h)	610.5(11.9), 635.5(9.8), 1495.8(8.2)
426.0 *1*	†540 *80*	^{196}Tl(1.41 h)	635.5(†304), 695.6(†243), 610.5(†30)
426.03 *10*	2.32 *19*	^{125}In(2.36 s)	1335.04(71), 1031.75(9.6), 617.88(7.4)
426.06 *11*	0.71 *7*	^{157}Pm(10.56 s)	160.61(35), 188.052(13.5), 571.27(5.39)
426.135 *4*	7.7 *7*	^{109}Rh(80 s)	326.868(54), 178.034(7.6), 291.430(7.5)
426.15 *8*	29	^{70}Se(41.1 m)	49.51(35.8), 376.65(9.43), 202.73(4.89)
426.177 *3*	0.0127 *22*	^{155}Sm(22.3 m)	104.3346(74.6), 245.771(3.7), 141.4428(1.98)
426.19 *7*	1.6 *2*	^{128}In(0.72 s)	831.54(100), 1168.80(100), 120.54(11.1)
426.2 *1*	6.9 *4*	^{117}Ag(72.8 s)	135.4(23), 337.7(10.3), 157.1(7.9)
• 426.2 *4*	0.025 *9*	^{190}Ir(11.78 d)	186.718(52.4), 605.24(39.9), 518.55(34.0)
426.23 *18*	†1.6 *3*	^{165}Lu(10.74 m)	132.49(†100), 120.60(†100), 174.25(†47.0)
426.25 *21*	4.12 *15*	^{109}In(4.2 h)	203.5(74), 623.7(5.5), 1148.9(4.3)
426.253 *10*	67.5 *20*	^{204}At(9.2 m)	684.341(95), 516.318(90), 609.13(24.6)
426.34 *11*	1.89 *10*	^{187}Au(8.4 m)	1331.81(7.0), 1408.23(3.06), 914.73(3.02)
426.383 *6*	97.0 *13*	^{178}Lu(23.1 m)	325.562(94.1), 213.440(81.4), 88.867(64.4)
426.383 *6*	97.0 *13*	^{178}Ta(2.36 h)	325.562(94.1), 213.440(81.4), 88.867(64.4)
426.41 *4*	0.25 *4*	^{187}Ir(10.5 h)	912.95(4.79), 427.12(4.12), 400.89(3.94)
426.47 *3*	0.43 *4*	^{151}Nd(12.44 m)	116.80(43.4), 255.68(16.4), 1180.89(14.8)
• 426.47 *4*	†2.46×10^5 *5*	^{241}Am(432.2 y)	59.537(†60), 26.345(†1000×10^9), 33.195(†6000×10^8)
• 426.4726 *24*	0.428 *24*	^{177}Lu(160.4 d)	208.3664(57.7), 228.4838(37.0), 378.5029(29.7)
426.5	2.6	^{44}Ar(11.87 m)	182.6(66), 1703.4(57), 1886.0(31)
426.5 *3*	†0.33 *9*	^{188}Au(8.84 m)	265.63(†100), 340.04(†23.9), 605.5(†16.3)
426.5 *5*	>0.010	^{214}Bi(19.9 m)	609.312(44.8), 1764.494(15.36), 1120.287(14.80)
426.6 *5*	0.7 *4*	^{179}Yb(8.0 m)	592.1(75), 612.3(35.4), 381.4(9.6)
426.6	†1.91 *21*	^{185}Hg(21.6 s)	222.8(†100.0), 258.7(†98), 212.5(†58)
• 426.670 *6*	2.33×10^{-5} *6*	^{239}Pu(24110 y)	51.624(0.007100), 38.661(0.000500), 129.297(0.00631)
426.692 *10*	4.33 *14*	^{151}Tb(17.609 h)	287.357(28.3), 251.863(26.3), 108.088(24.3)
426.71 *25*	0.87 *18*	^{172}Ta(36.8 m)	214.02(46), 95.23(17.5), 1109.27(12.4)
426.78 *7*	17	^{154}Tb(22.7 h)	247.925(79), 346.643(69), 1419.81(46)
426.78 *2*	7.07 *20*	^{208}Rn(24.35 m)	251.05(5.02), 350.026(3.34), 287.160(2.85)
426.8	0.14	^{185}Ir(14.4 h)	254.4(13.3), 1828.8(10), 60.0(5.7)
426.84 *5*	10.5 *5*	^{109}Ru(34.5 s)	206.29(22.0), 225.98(19.6), 1929.05(13.7)
426.84 *2*	1.88 *12*	^{204}Po(3.53 h)	883.984(29.9), 270.068(27.8), 1016.31(24.1)
426.9 *3*	0.35 *5*	^{120}Xe(40 m)	25.1(30), 72.6(9), 178.1(6.8)
426.9	0.70 *23*	^{148}Ba(0.607 s)	56.08(29.20), 133.53(3.88), 415.78(3.59)
426.94 *12*	†6.2 *15*	^{131}Pr(1.53 m)	266.13(†100), 72.82(†64), 387.56(†38)
426.94 *8*	0.0099 *17*	^{173}Hf(23.6 h)	123.672(83), 296.974(33.9), 139.634(12.7)
426.95 *5*	0.45 *3*	^{234}Pa(6.70 h)	131.30(18), 946.00(13.4), 883.24(9.6)
426.98 *5*	13.2 *6*	^{177}W(135 m)	115.65(50), 1036.4(10.3), 115.05(8.6)
427.00 *5*	0.0082 *19*	^{127}Cs(6.25 h)	411.95(62.8), 124.70(11.37), 462.31(5.07)
427.0 *2*	0.10	^{140}Sm(14.82 m)	225.5(>10), 225.4(10), 140.0(5.0)
427.0 *3*	†0.15 *2*	^{184}Ir(3.09 h)	263.97(†100), 119.80(†45), 390.38(†38)
427.0 *2*	†3.3 *4*	^{185}Pt(33.0 m)	229.60(†100), 135.3(†80), 197.4(†74)
• 427 *1*	0.0007 *3*	^{231}Pa(32760 y)	27.36(10.3), 300.07(2.46), 302.65(2.2)
427.03 *6*	37.4 *10*	^{64}Ge(63.7 s)	666.94(16.9), 128.2(10.7), 774.5(7.0)
427.088 *10*	1.76 *4*	^{211}Pb(36.1 m)	404.853(3.78), 832.01(3.52), 766.51(0.617)
427.1 *5*	>0.007	^{64}Ga(2.630 m)	991.52(43), 807.86(13.65), 3365.86(13.1)
427.1 *2*	3.63 *23*	^{121}Cs(155 s)	153.9(15.2), 239.6(7.7), 179.4(2.7)
427.1 *2*	2.11 *16*	^{121}Cs(122 s)	179.4(30.2), 196.0(24.1), 459.7(12.0)
427.12 *4*	4.12 *13*	^{187}Ir(10.5 h)	912.95(4.79), 400.89(3.94), 610.68(3.93)
• 427.18 *1*	0.0274 *8*	^{155}Tb(5.32 d)	86.545(32.0), 105.305(25), 180.103(7.45)
• 427.19 *5*	0.123 *7*	^{172}Lu(6.70 d)	1093.657(62.5), 900.724(29.8), 181.528(20.6)
427.2 *2*	0.25 *4*	^{95}Rb(377.5 ms)	352.02(49), 204.02(15.1), 680.7(14.8)
427.2 *2*	†1.4	^{96}Rb(0.199 s)	352.02(†700), 204.02(†200), 680.7(†121)