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THERMAL-NEUTRON CAPTURE GAMMA-RAYS I

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National Nuclear Data Center

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Thermal-Neutron Capture Gamma-Rays I

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The energy and photon intensity of gamma rays as seen in thermal-neutron capture are presented in ascending order of gamma energy. All those gamma-rays with intensity of $\geq 2\%$ of the strongest transition are included. The two strongest transitions seen for the target nuclide are indicated in each case. Where the target nuclide mass number is indicated as 'nat' the natural target was used. The gamma energies given are in keV. The gamma intensities given are relative to 100 for the strongest transition.

All data for $A > 44$ are taken from *Evaluated Nuclear Structure Data File* (4/97), a computer file of evaluated nuclear structure data maintained by the National Nuclear Data Center, Brookhaven National Laboratory, on behalf of the Nuclear Structure and and Decay and Decay Data network, coordinated by the International Atomic Energy Agency, Vienna. These data are published in *Nuclear Data Sheets*, Academic Press, San Diego, CA. The data for $A \leq 44$ is taken from "Prompt Gamma Rays from Thermal-Neutron Capture", M. A. Lone, R. A. Leavitt, D. A. Harrison, *Atomic Data and Nuclear Data Tables* 26, 511 (1981).

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E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
0.9 (21.5)	153Eu(68.2,0.9)	39.2 (8.3)	193Ir(371.5,112.2)
2.3 (100.0)	204Pb(2.3,6729.4)	39.7 (9.1)	153Eu(68.2,0.9)
4.0 (38.6)	129I(6408.4,5821.7)	40.0 (13.0)	123Sb(87.6,40.8)
4.4 (3.9)	129I(6408.4,5821.7)	40.1 (9.1)	248Cm(1408.3,1622.9)
7.3 (4.2)	121Sb(61.4,78.1)	40.1 (10.3)	248Cm(1408.3,1622.9)
7.5 (8.3)	133Cs(11.2,116.4)	40.3 (4.8)	159Tb(75.1,63.7)
11.2 (100.0)	133Cs(11.2,116.4)	40.3 (11.1)	185Re(59.0,214.6)
12.0 (100.0)	238U(12.0,133.8)	40.8 (49.8)	123Sb(87.6,40.8)
12.8 (3.3)	129I(6408.4,5821.7)	41.2 (11.5)	174Yb(514.9,5266.7)
13.5 (71.6)	100Mo(180.7,237.6)	41.5 (2.1)	129I(6408.4,5821.7)
14.2 (4.1)	139La(5097.7,4842.7)	41.5 (14.2)	192Os(5276.0,5583.3)
14.6 (2.1)	153Eu(68.2,0.9)	41.6 (7.7)	248Cm(1408.3,1622.9)
15.4 (2.3)	159Tb(75.1,63.7)	41.9 (20.6)	159Tb(75.1,63.7)
16.5 (14.6)	154Sm(4987.1,4876.3)	42.8 (2.7)	127I(133.6,27.4)
17.2 (12.5)	51V(22.8,125.1)	43.1 (37.1)	193Ir(371.5,112.2)
17.2 (3.0)	133Cs(11.2,116.4)	43.5 (21.7)	100Mo(180.7,237.6)
18.0 (25.1)	93Nb(99.4,255.9)	43.8 (5.4)	160Dy(6087.3,48.9)
19.8 (4.0)	165Ho(136.7,116.8)	44.1 (7.6)	123Sb(87.6,40.8)
20.6 (27.0)	104Ru(143.2,159.3)	44.4 (3.8)	75As(6810.5,7020.1)
22.5 (3.7)	150Nd(189.1,57.7)	45.3 (4.6)	154Gd(86.5,105.3)
22.8 (100.0)	51V(22.8,125.1)	45.7 (3.5)	121Sb(61.4,78.1)
22.8 (22.1)	115In(273.0,85.6)	45.8 (4.1)	153Eu(68.2,0.9)
23.0 (7.0)	159Tb(75.1,63.7)	45.9 (7.4)	178Hf(214.3,304.0)
24.1 (2.5)	151Eu(89.8,77.3)	46.0 (3.9)	152Sm(127.3,35.8)
25.7 (8.1)	150Sm(167.8,5281.1)	46.2 (4.5)	151Eu(89.8,77.3)
26.6 (100.0)	55Mn(26.6,7243.8)	46.4 (12.5)	107Ag(79.1,206.6)
27.4 (23.0)	127I(133.6,27.4)	46.5 (5.3)	175Lu(71.5,225.4)
27.6 (11.2)	168Er(64.6,4908.8)	46.5 (4.6)	181Ta(270.4,5965.0)
28.3 (31.8)	152Sm(127.3,35.8)	46.5 (3.6)	150Sm(167.8,5281.1)
28.6 (43.0)	121Sb(61.4,78.1)	46.6 (3.6)	150Sm(167.8,5281.1)
28.8 (11.2)	153Eu(68.2,0.9)	46.7 (2.6)	174Yb(514.9,5266.7)
29.0 (7.0)	159Tb(75.1,63.7)	46.8 (3.5)	150Sm(167.8,5281.1)
29.1 (100.0)	81Br(29.1,287.7)	47.3 (3.1)	141Pr(176.9,140.9)
30.0 (24.9)	139La(5097.7,4842.7)	47.8 (5.0)	181Ta(270.4,5965.0)
30.7 (30.6)	150Nd(189.1,57.7)	47.8 (3.7)	129I(6408.4,5821.7)
30.7 (24.2)	113In(311.6,287.7)	48.2 (40.6)	238U(12.0,133.8)
31.8 (7.5)	153Eu(68.2,0.9)	48.9 (70.5)	160Dy(6087.3,48.9)
32.3 (5.2)	141Pr(176.9,140.9)	49.4 (48.0)	237Np(182.9,49.4)
32.6 (9.6)	151Eu(89.8,77.3)	49.9 (37.8)	146Nd(314.7,78.0)
32.7 (6.1)	159Tb(75.1,63.7)	50.1 (2.3)	79Br(37.1,245.2)
33.0 (5.0)	148Nd(165.1,138.4)	50.4 (13.9)	164Dy(184.3,538.5)
33.2 (7.2)	159Tb(75.1,63.7)	50.9 (19.5)	159Tb(75.1,63.7)
34.4 (10.4)	113In(311.6,287.7)	52.0 (4.3)	151Eu(89.8,77.3)
34.6 (2.8)	139La(5097.7,4842.7)	52.0 (70.7)	45Sc(227.8,142.5)
35.2 (6.4)	150Nd(189.1,57.7)	52.4 (11.7)	127I(133.6,27.4)
35.8 (6.4)	197Au(214.8,6252.6)	53.0 (12.0)	154Sm(4987.1,4876.3)
35.8 (93.9)	152Sm(127.3,35.8)	53.1 (2.0)	181Ta(270.4,5965.0)
36.2 (11.3)	188Os(5414.9,343.5)	53.4 (4.1)	150Nd(189.1,57.7)
37.1 (100.0)	79Br(37.1,245.2)	53.5 (17.3)	72Ge(326.0,6390.2)
37.3 (3.3)	152Sm(127.3,35.8)	53.5 (2.1)	152Sm(127.3,35.8)
37.4 (4.2)	193Ir(371.5,112.2)	53.9 (7.4)	85Rb(557.0,488.0)
37.7 (2.9)	193Ir(371.5,112.2)	54.1 (19.5)	159Tb(75.1,63.7)
38.1 (10.8)	113In(311.6,287.7)	54.2 (6.5)	152Eu(97.4,103.2)
38.6 (2.2)	133Cs(11.2,116.4)	54.2 (9.1)	165Ho(136.7,116.8)
38.7 (5.3)	175Lu(71.5,225.4)	54.4 (5.8)	193Ir(371.5,112.2)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
54.4 (22.7)	194Ir (300.3, 175.2)	62.4 (2.7)	159Tb (75.1, 63.7)
54.4 (2.7)	150Nd (189.1, 57.7)	62.7 (29.1)	168Yb (191.2, 720.0)
54.5 (2.0)	181Ta (270.4, 5965.0)	62.9 (4.5)	99Tc (172.1, 299.5)
54.5 (2.2)	232Th (3473.0, 566.6)	62.9 (3.5)	150Sm (167.8, 5281.1)
54.6 (2.1)	141Pr (176.9, 140.9)	63.2 (32.8)	139La (5097.7, 4842.7)
54.7 (3.0)	93Nb (99.4, 255.9)	63.6 (100.0)	187Re (63.6, 290.7)
54.9 (21.0)	139La (5097.7, 4842.7)	63.6 (17.9)	64Ni (6034.8, 310.2)
55.0 (2.6)	152Sm (127.3, 35.8)	63.7 (47.2)	159Tb (75.1, 63.7)
55.2 (31.2)	197Au (214.8, 6252.6)	63.9 (2.0)	99Tc (172.1, 299.5)
55.4 (3.1)	178Hf (214.3, 304.0)	64.1 (38.0)	159Tb (75.1, 63.7)
55.8 (3.1)	181Ta (270.4, 5965.0)	64.3 (33.1)	226Ra (90.0, 64.3)
55.8 (4.9)	104Ru (143.2, 159.3)	64.5 (2.3)	175Lu (71.5, 225.4)
56.2 (3.1)	150Sm (167.8, 5281.1)	64.5 (8.2)	141Pr (176.9, 140.9)
56.3 (2.1)	150Sm (167.8, 5281.1)	64.6 (100.0)	168Er (64.6, 4908.8)
56.4 (2.3)	193Ir (371.5, 112.2)	64.8 (4.4)	159Tb (75.1, 63.7)
56.5 (2.8)	93Nb (99.4, 255.9)	64.9 (21.0)	150Sm (167.8, 5281.1)
56.7 (2.7)	181Ta (270.4, 5965.0)	65.1 (2.2)	187Re (63.6, 290.7)
56.7 (3.7)	181Ta (270.4, 5965.0)	65.1 (5.8)	248Cm (1408.3, 1622.9)
56.7 (5.8)	148Nd (165.1, 138.4)	65.6 (3.0)	181Ta (270.4, 5965.0)
56.8 (3.2)	193Ir (371.5, 112.2)	65.6 (4.0)	181Ta (270.4, 5965.0)
56.8 (14.0)	194Ir (300.3, 175.2)	65.7 (4.2)	181Ta (270.4, 5965.0)
57.1 (8.6)	166Er (207.8, 798.8)	65.8 (22.2)	150Sm (167.8, 5281.1)
57.2 (9.3)	160Dy (6087.3, 48.9)	66.2 (6.7)	175Lu (71.5, 225.4)
57.5 (14.7)	190Os (5146.8, 527.5)	66.4 (4.7)	197Au (214.8, 6252.6)
57.5 (4.4)	93Nb (99.4, 255.9)	66.4 (2.2)	181Ta (270.4, 5965.0)
57.7 (41.3)	150Nd (189.1, 57.7)	66.6 (12.5)	188Os (5414.9, 343.5)
58.0 (8.9)	248Cm (1408.3, 1622.9)	66.8 (7.8)	248Cm (1408.3, 1622.9)
58.1 (7.6)	248Cm (1408.3, 1622.9)	66.9 (5.1)	248Cm (1408.3, 1622.9)
58.1 (19.8)	127I (133.6, 27.4)	67.1 (7.2)	127I (133.6, 27.4)
58.1 (2.0)	181Ta (270.4, 5965.0)	67.2 (4.7)	248Cm (1408.3, 1622.9)
58.5 (2.2)	150Sm (167.8, 5281.1)	67.3 (7.1)	133Cs (11.2, 116.4)
58.9 (100.0)	59Co (58.9, 229.7)	67.4 (2.3)	181Ta (270.4, 5965.0)
59.0 (100.0)	185Re (59.0, 214.6)	67.6 (3.3)	190Os (5146.8, 527.5)
59.1 (30.5)	188Os (5414.9, 343.5)	68.2 (100.0)	153Eu (68.2, 0.9)
59.2 (3.6)	150Nd (189.1, 57.7)	68.2 (4.0)	248Cm (1408.3, 1622.9)
59.2 (100.0)	186W (59.2, 145.8)	68.3 (5.3)	152Eu (97.4, 103.2)
59.3 (2.9)	181Ta (270.4, 5965.0)	68.6 (4.0)	109Ag (198.7, 235.7)
59.3 (5.8)	181Ta (270.4, 5965.0)	68.6 (9.3)	141Pr (176.9, 140.9)
59.3 (22.2)	248Cm (1408.3, 1622.9)	68.7 (2.3)	234U (637.8, 129.3)
59.3 (2.2)	230Th (185.7, 4284.9)	68.7 (26.8)	72Ge (326.0, 6390.2)
59.4 (12.8)	248Cm (1408.3, 1622.9)	69.2 (42.2)	194Ir (300.3, 175.2)
59.5 (31.4)	79Br (37.1, 245.2)	69.6 (18.6)	129I (6408.4, 5821.7)
59.6 (33.4)	159Tb (75.1, 63.7)	69.6 (22.5)	188Os (5414.9, 343.5)
59.8 (4.5)	154Sm (4987.1, 4876.3)	69.7 (19.3)	152Eu (97.4, 103.2)
60.0 (6.7)	154Gd (86.5, 105.3)	69.7 (6.7)	150Sm (167.8, 5281.1)
60.0 (58.3)	133Cs (11.2, 116.4)	69.8 (10.2)	165Ho (136.7, 116.8)
60.1 (8.2)	141Pr (176.9, 140.9)	69.9 (2.6)	150Nd (189.1, 57.7)
60.1 (3.0)	150Nd (189.1, 57.7)	70.7 (2.6)	150Sm (167.8, 5281.1)
60.2 (3.5)	237Np (182.9, 49.4)	70.9 (4.5)	168Yb (191.2, 720.0)
60.5 (3.7)	150Nd (189.1, 57.7)	71.0 (2.5)	151Eu (89.8, 77.3)
60.9 (2.6)	150Sm (167.8, 5281.1)	71.5 (12.3)	121Sb (61.4, 78.1)
60.9 (12.1)	85Rb (557.0, 488.0)	71.5 (100.0)	175Lu (71.5, 225.4)
60.9 (66.2)	115In (273.0, 85.6)	71.5 (82.2)	196Pt (5846.3, 649.2)
61.4 (100.0)	121Sb (61.4, 78.1)	71.8 (3.3)	175Lu (71.5, 225.4)
61.9 (9.2)	185Re (59.0, 214.6)	71.9 (2.3)	181Ta (270.4, 5965.0)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
72.1(5.0)	187Re(63.6,290.7)	78.1(62.0)	121Sb(61.4,78.1)
72.5(2.3)	151Eu(89.8,77.3)	78.4(3.3)	248Cm(1408.3,1622.9)
72.6(3.0)	181Ta(270.4,5965.0)	78.5(6.1)	107Ag(79.1,206.6)
72.8(2.1)	164Dy(184.3,538.5)	78.7(2.8)	193Ir(371.5,112.2)
72.8(2.8)	243Am(87.7,75.3)	78.7(11.9)	93Nb(99.4,255.9)
72.9(4.2)	237Np(182.9,49.4)	78.7(13.6)	171Yb(5538.8,5690.9)
72.9(11.9)	109Ag(198.7,235.7)	78.9(6.2)	159Tb(75.1,63.7)
72.9(2.1)	181Ta(270.4,5965.0)	79.1(100.0)	107Ag(79.1,206.6)
73.1(25.0)	182Ta(459.1,315.9)	79.3(2.6)	166Er(207.8,798.8)
73.1(4.0)	175Lu(71.5,225.4)	79.5(2.8)	193Ir(371.5,112.2)
73.2(2.3)	181Ta(270.4,5965.0)	79.5(53.2)	157Gd(181.9,79.5)
73.3(5.5)	181Ta(270.4,5965.0)	79.8(28.2)	167Er(184.3,6677.4)
73.4(35.4)	163Dy(688.4,754.8)	79.8(12.9)	109Ag(198.7,235.7)
73.4(4.4)	151Eu(89.8,77.3)	79.9(4.8)	71Ga(145.1,192.0)
73.4(9.2)	162Dy(351.1,421.9)	80.4(4.3)	148Nd(165.1,138.4)
73.5(2.2)	181Ta(270.4,5965.0)	80.7(30.8)	161Dy(185.0,882.3)
73.6(2.8)	181Ta(270.4,5965.0)	80.9(2.3)	153Eu(68.2,0.9)
73.8(3.1)	237Np(182.9,49.4)	81.1(36.4)	100Mo(180.7,237.6)
74.0(9.1)	133Cs(11.2,116.4)	81.2(5.4)	160Dy(6087.3,48.9)
74.3(5.5)	181Ta(270.4,5965.0)	81.5(2.1)	176Lu(150.4,138.6)
74.3(2.4)	181Ta(270.4,5965.0)	81.6(6.3)	150Sm(167.8,5281.1)
74.5(7.2)	107Ag(79.1,206.6)	82.2(4.1)	237Np(182.9,49.4)
74.6(11.5)	185Re(59.0,214.6)	82.3(23.8)	193Ir(371.5,112.2)
74.6(48.1)	160Dy(6087.3,48.9)	82.5(3.5)	165Ho(136.7,116.8)
74.6(19.8)	168Er(64.6,4908.8)	82.5(38.0)	104Ru(143.2,159.3)
74.7(5.0)	154Sm(4987.1,4876.3)	82.6(2.9)	193Ir(371.5,112.2)
74.8(2.2)	193Ir(371.5,112.2)	82.7(4.5)	181Ta(270.4,5965.0)
74.9(15.9)	187Re(63.6,290.7)	82.8(3.5)	172Yb(399.4,116.1)
75.0(6.8)	168Yb(191.2,720.0)	83.3(12.9)	150Nd(189.1,57.7)
75.1(100.0)	159Tb(75.1,63.7)	83.3(25.8)	152Sm(127.3,35.8)
75.2(64.8)	197Au(214.8,6252.6)	83.4(2.4)	150Nd(189.1,57.7)
75.3(13.5)	104Ru(143.2,159.3)	83.4(22.9)	152Eu(97.4,103.2)
75.3(66.5)	243Am(87.7,75.3)	83.4(2.3)	181Ta(270.4,5965.0)
75.4(3.0)	181Ta(270.4,5965.0)	83.4(2.2)	164Dy(184.3,538.5)
75.5(2.3)	182Ta(459.1,315.9)	83.4(2.4)	193Ir(371.5,112.2)
75.5(3.6)	181Ta(270.4,5965.0)	83.7(11.3)	152Eu(97.4,103.2)
75.5(4.9)	99Tc(172.1,299.5)	83.9(2.1)	159Tb(75.1,63.7)
75.7(7.4)	248Cm(1408.3,1622.9)	83.9(60.6)	55Mn(26.6,7243.8)
75.8(4.6)	159Tb(75.1,63.7)	83.9(2.1)	248Cm(1408.3,1622.9)
75.9(4.2)	248Cm(1408.3,1622.9)	84.3(55.2)	193Ir(371.5,112.2)
76.1(5.0)	121Sb(61.4,78.1)	84.7(3.3)	248Cm(1408.3,1622.9)
76.2(3.1)	150Sm(167.8,5281.1)	84.8(2.4)	193Ir(371.5,112.2)
76.5(39.0)	173Yb(176.6,1241.9)	84.9(4.2)	168Er(64.6,4908.8)
76.5(8.0)	172Yb(399.4,116.1)	84.9(2.2)	192Os(5276.0,5583.3)
76.6(14.1)	165Dy(176.9,852.1)	85.0(14.4)	141Pr(176.9,140.9)
76.6(3.2)	248Cm(1408.3,1622.9)	85.1(8.3)	129I(6408.4,5821.7)
76.7(4.5)	193Ir(371.5,112.2)	85.3(2.0)	181Ta(270.4,5965.0)
77.0(3.3)	193Ir(371.5,112.2)	85.6(77.0)	115In(273.0,85.6)
77.1(19.1)	197Au(214.8,6252.6)	85.6(2.5)	181Ta(270.4,5965.0)
77.2(9.9)	150Nd(189.1,57.7)	85.9(6.3)	85Rb(557.0,488.0)
77.3(11.0)	151Eu(89.8,77.3)	86.1(10.3)	141Pr(176.9,140.9)
77.6(4.6)	234U(637.8,129.3)	86.1(4.6)	154Gd(86.5,105.3)
77.8(18.0)	186W(59.2,145.8)	86.3(2.2)	150Nd(189.1,57.7)
77.9(2.4)	193Ir(371.5,112.2)	86.5(100.0)	154Gd(86.5,105.3)
78.0(82.4)	146Nd(314.7,78.0)	86.6(6.0)	152Eu(97.4,103.2)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
86.7(36.1)	146Nd(314.7,78.0)	94.3(5.8)	153Eu(68.2,0.9)
86.8(2.9)	75As(6810.5,7020.1)	94.4(11.7)	108Pd(113.4,245.1)
86.8(3.3)	99Tc(172.1,299.5)	94.8(2.6)	159Tb(75.1,63.7)
86.9(2.5)	150Nd(189.1,57.7)	95.2(3.1)	181Ta(270.4,5965.0)
87.3(4.9)	133Cs(11.2,116.4)	95.3(2.1)	174Yb(514.9,5266.7)
87.3(15.4)	185Re(59.0,214.6)	95.4(2.9)	115In(273.0,85.6)
87.4(7.4)	168Yb(191.2,720.0)	95.6(38.3)	193Ir(371.5,112.2)
87.6(4.5)	165Ho(136.7,116.8)	95.9(2.2)	150Nd(189.1,57.7)
87.6(100.0)	123Sb(87.6,40.8)	96.0(2.3)	193Ir(371.5,112.2)
87.7(100.0)	243Am(87.7,75.3)	96.0(34.3)	115In(273.0,85.6)
87.7(3.4)	83Kr(881.7,1213.4)	96.1(53.4)	115In(273.0,85.6)
87.7(6.8)	159Tb(75.1,63.7)	96.3(3.2)	85Rb(557.0,488.0)
87.9(13.6)	76Se(239.0,520.6)	96.9(20.3)	152Eu(97.4,103.2)
88.0(2.8)	174Yb(514.9,5266.7)	97.2(58.2)	197Au(214.8,6252.6)
88.2(2.3)	173Yb(176.6,1241.9)	97.4(100.0)	152Eu(97.4,103.2)
88.3(10.8)	121Sb(61.4,78.1)	97.5(2.5)	181Ta(270.4,5965.0)
88.4(9.2)	123Sb(87.6,40.8)	97.5(23.8)	159Tb(75.1,63.7)
88.8(12.7)	194Ir(300.3,175.2)	97.6(100.0)	98Mo(97.6,351.0)
88.8(5.4)	71Ga(145.1,192.0)	97.8(2.3)	248Cm(1408.3,1622.9)
89.0(69.7)	155Gd(199.2,89.0)	97.8(12.0)	181Ta(270.4,5965.0)
89.2(26.6)	65Cu(186.0,465.2)	98.0(2.5)	159Tb(75.1,63.7)
89.4(4.1)	159Tb(75.1,63.7)	98.1(5.3)	150Sm(167.8,5281.1)
89.4(7.2)	230Th(185.7,4284.9)	98.3(5.6)	108Pd(113.4,245.1)
89.8(100.0)	151Eu(89.8,77.3)	98.6(28.0)	196Pt(5846.3,649.2)
90.0(100.0)	226Ra(90.0,64.3)	98.6(11.7)	226Ra(90.0,64.3)
90.1(2.0)	181Ta(270.4,5965.0)	98.9(2.0)	165Ho(136.7,116.8)
90.2(2.5)	193Ir(371.5,112.2)	98.9(59.9)	194Pt(211.4,98.9)
90.3(2.3)	193Ir(371.5,112.2)	99.0(5.1)	167Er(184.3,6677.4)
90.5(3.0)	193Ir(371.5,112.2)	99.2(3.1)	175Lu(71.5,225.4)
90.5(3.5)	153Eu(68.2,0.9)	99.3(4.0)	167Er(184.3,6677.4)
90.7(2.2)	99Tc(172.1,299.5)	99.3(2.9)	168Er(64.6,4908.8)
90.9(2.5)	175Lu(71.5,225.4)	99.4(3.9)	185Re(59.0,214.6)
90.9(37.4)	152Sm(127.3,35.8)	99.4(100.0)	93Nb(99.4,255.9)
91.0(5.2)	197Au(214.8,6252.6)	99.7(2.1)	185Re(59.0,214.6)
91.1(2.4)	193Ir(371.5,112.2)	99.8(12.0)	181Ta(270.4,5965.0)
91.3(4.5)	209Bi(319.7,162.2)	100.0(28.4)	150Sm(167.8,5281.1)
91.4(7.6)	99Tc(172.1,299.5)	100.1(3.5)	146Nd(314.7,78.0)
91.5(12.1)	152Sm(127.3,35.8)	100.4(6.2)	193Ir(371.5,112.2)
91.9(2.7)	243Am(87.7,75.3)	100.6(2.3)	181Ta(270.4,5965.0)
92.0(4.3)	168Yb(191.2,720.0)	100.7(13.1)	194Pt(211.4,98.9)
92.0(2.1)	193Ir(371.5,112.2)	100.9(18.8)	153Eu(68.2,0.9)
92.1(4.5)	185Re(59.0,214.6)	101.1(2.6)	159Tb(75.1,63.7)
92.4(3.0)	187Re(63.6,290.7)	101.3(2.8)	178Hf(214.3,304.0)
92.5(10.0)	187Re(63.6,290.7)	101.5(5.2)	107Ag(79.1,206.6)
92.5(2.5)	181Ta(270.4,5965.0)	101.6(3.6)	121Sb(61.4,78.1)
92.8(3.0)	113In(311.6,287.7)	101.9(17.0)	197Au(214.8,6252.6)
93.2(16.4)	193Ir(371.5,112.2)	101.9(30.3)	226Ra(90.0,64.3)
93.2(16.9)	177Hf(6112.4,5807.8)	101.9(22.2)	150Sm(167.8,5281.1)
93.2(2.2)	133Cs(11.2,116.4)	102.3(2.1)	107Ag(79.1,206.6)
93.3(9.5)	159Tb(75.1,63.7)	102.5(3.2)	150Nd(189.1,57.7)
93.4(6.8)	109Ag(198.7,235.7)	102.6(3.2)	237Np(182.9,49.4)
93.4(2.0)	175Lu(71.5,225.4)	102.7(19.2)	248Cm(1408.3,1622.9)
93.6(2.6)	187Re(63.6,290.7)	102.7(9.3)	192Os(5276.0,5583.3)
94.1(4.5)	176Lu(150.4,138.6)	102.8(14.7)	248Cm(1408.3,1622.9)
94.2(5.9)	181Ta(270.4,5965.0)	102.9(2.5)	80Se(467.7,6233.0)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
103.0(2.7)	153Eu(68.2,0.9)	112.2(96.1)	193Ir(371.5,112.2)
103.1(3.8)	160Dy(6087.3,48.9)	112.4(4.1)	159Tb(75.1,63.7)
103.2(63.0)	152Eu(97.4,103.2)	112.4(11.1)	74Se(286.6,7734.1)
103.2(10.2)	71Ga(145.1,192.0)	112.4(30.6)	71Ga(145.1,192.0)
103.3(9.4)	185Re(59.0,214.6)	112.5(3.4)	115In(273.0,85.6)
103.5(6.9)	197Au(214.8,6252.6)	112.9(35.0)	176Hf(508.6,112.9)
103.7(29.7)	123Sb(87.6,40.8)	112.9(25.0)	175Lu(71.5,225.4)
104.1(4.8)	159Tb(75.1,63.7)	113.0(2.2)	226Ra(90.0,64.3)
104.1(2.8)	181Ta(270.4,5965.0)	113.2(2.3)	193Ir(371.5,112.2)
104.3(3.2)	168Yb(191.2,720.0)	113.3(6.7)	104Ru(143.2,159.3)
104.5(100.0)	176Yb(104.5,151.6)	113.4(52.5)	93Nb(99.4,255.9)
104.5(4.6)	174Yb(514.9,5266.7)	113.4(100.0)	108Pd(113.4,245.1)
104.6(3.6)	141Pr(176.9,140.9)	113.4(4.4)	193Ir(371.5,112.2)
104.6(46.7)	55Mn(26.6,7243.8)	113.6(4.9)	243Am(87.7,75.3)
104.8(42.0)	150Sm(167.8,5281.1)	113.6(5.6)	107Ag(79.1,206.6)
105.3(52.6)	154Gd(86.5,105.3)	113.8(24.4)	133Cs(11.2,116.4)
105.4(2.4)	113In(311.6,287.7)	113.8(5.4)	107Ag(79.1,206.6)
105.7(4.8)	99Tc(172.1,299.5)	113.8(12.0)	182Ta(459.1,315.9)
105.8(23.0)	150Nd(189.1,57.7)	113.9(4.9)	100Mo(180.7,237.6)
105.8(26.8)	121Sb(61.4,78.1)	114.1(6.8)	85Rb(557.0,488.0)
105.8(14.6)	109Ag(198.7,235.7)	114.3(23.0)	181Ta(270.4,5965.0)
105.9(22.7)	187Re(63.6,290.7)	114.4(6.8)	181Ta(270.4,5965.0)
105.9(2.0)	178Hf(214.3,304.0)	114.7(7.4)	181Ta(270.4,5965.0)
106.2(4.8)	127I(133.6,27.4)	114.8(2.5)	146Nd(314.7,78.0)
106.4(3.0)	71Ga(145.1,192.0)	114.9(4.0)	248Cm(1408.3,1622.9)
106.6(4.9)	185Re(59.0,214.6)	114.9(40.3)	121Sb(61.4,78.1)
107.2(4.8)	237Np(182.9,49.4)	115.1(8.0)	248Cm(1408.3,1622.9)
107.3(65.0)	176Yb(104.5,151.6)	115.1(2.5)	175Lu(71.5,225.4)
107.3(6.7)	226Ra(90.0,64.3)	115.2(3.4)	187Re(63.6,290.7)
107.4(3.3)	187Re(63.6,290.7)	115.3(2.3)	248Cm(1408.3,1622.9)
107.9(5.0)	181Ta(270.4,5965.0)	115.5(22.3)	193Ir(371.5,112.2)
107.9(84.7)	104Ru(143.2,159.3)	115.5(4.2)	141Pr(176.9,140.9)
108.2(11.1)	164Dy(184.3,538.5)	115.7(4.7)	174Hf(125.7,5842.2)
108.2(3.1)	165Ho(136.7,116.8)	115.8(2.4)	237Np(182.9,49.4)
108.5(15.9)	148Nd(165.1,138.4)	116.1(11.7)	172Yb(399.4,116.1)
108.7(3.8)	152Sm(127.3,35.8)	116.3(5.4)	234U(637.8,129.3)
108.8(5.9)	197Au(214.8,6252.6)	116.4(76.8)	133Cs(11.2,116.4)
108.9(4.2)	153Eu(68.2,0.9)	116.5(4.7)	209Bi(319.7,162.2)
109.4(2.9)	193Ir(371.5,112.2)	116.6(8.7)	133Cs(11.2,116.4)
109.7(9.9)	237Np(182.9,49.4)	116.7(4.8)	193Ir(371.5,112.2)
109.7(8.5)	152Eu(97.4,103.2)	116.7(7.2)	148Nd(165.1,138.4)
109.9(3.2)	71Ga(145.1,192.0)	116.8(2.3)	164Dy(184.3,538.5)
110.4(2.6)	184W(4573.6,1181.6)	116.8(57.5)	165Ho(136.7,116.8)
110.6(3.1)	226Ra(90.0,64.3)	117.5(13.5)	193Ir(371.5,112.2)
110.8(3.7)	209Bi(319.7,162.2)	117.6(54.1)	109Ag(198.7,235.7)
111.2(100.0)	183W(111.2,903.3)	117.7(2.5)	248Cm(1408.3,1622.9)
111.3(7.1)	194Ir(300.3,175.2)	117.9(20.5)	193Ir(371.5,112.2)
111.3(2.3)	165Ho(136.7,116.8)	117.9(16.4)	107Ag(79.1,206.6)
111.3(10.5)	185Re(59.0,214.6)	118.4(6.4)	133Cs(11.2,116.4)
111.6(5.5)	187Re(63.6,290.7)	118.6(4.9)	100Mo(180.7,237.6)
111.7(12.3)	185Re(59.0,214.6)	118.6(3.8)	96Mo(481.0,720.5)
111.7(5.0)	187Re(63.6,290.7)	118.9(7.6)	181Ta(270.4,5965.0)
111.7(6.9)	176Lu(150.4,138.6)	119.8(43.0)	152Sm(127.3,35.8)
111.8(3.0)	74Ge(574.7,253.7)	119.8(2.3)	123Sb(87.6,40.8)
111.8(6.7)	185Re(59.0,214.6)	119.8(7.6)	176Lu(150.4,138.6)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
119.9 (3.0)	148Nd(165.1,138.4)	129.8 (4.0)	175Lu(71.5,225.4)
120.0 (9.1)	172Yb(399.4,116.1)	129.9 (5.6)	248Cm(1408.3,1622.9)
120.3 (3.7)	85Rb(557.0,488.0)	130.2 (35.0)	133Cs(11.2,116.4)
120.4 (28.4)	148Nd(165.1,138.4)	130.3 (7.8)	248Cm(1408.3,1622.9)
120.6 (13.0)	133Cs(11.2,116.4)	131.0 (10.3)	196Pt(5846.3,649.2)
120.7 (9.7)	226Ra(90.0,64.3)	131.1 (2.2)	159Tb(75.1,63.7)
121.0 (2.2)	71Ga(145.1,192.0)	131.1 (5.1)	187Re(63.6,290.7)
121.1 (3.2)	74Ge(574.7,253.7)	131.1 (13.3)	192Os(5276.0,5583.3)
121.5 (51.4)	121Sb(61.4,78.1)	131.4 (10.0)	150Nd(189.1,57.7)
121.6 (34.8)	176Lu(150.4,138.6)	131.7 (2.1)	166Er(207.8,798.8)
122.0 (43.3)	113In(311.6,287.7)	131.9 (2.6)	193Ir(371.5,112.2)
122.5 (11.5)	185Re(59.0,214.6)	132.0 (2.0)	152Eu(97.4,103.2)
122.7 (3.9)	181Ta(270.4,5965.0)	132.4 (2.8)	71Ga(145.1,192.0)
123.0 (2.9)	181Ta(270.4,5965.0)	132.7 (2.2)	139La(5097.7,4842.7)
123.1(100.0)	153Gd(123.1,247.9)	132.9 (8.3)	193Ir(371.5,112.2)
123.1 (2.4)	152Eu(97.4,103.2)	133.4 (3.5)	127I(133.6,27.4)
123.3 (3.9)	163Dy(688.4,754.8)	133.4 (3.8)	102Ru(174.0,136.1)
123.3 (13.0)	194Pt(211.4,98.9)	133.6(100.0)	127I(133.6,27.4)
123.5 (2.9)	185Re(59.0,214.6)	133.7 (7.0)	248Cm(1408.3,1622.9)
123.8 (48.0)	193Ir(371.5,112.2)	133.8 (60.9)	238U(12.0,133.8)
124.0 (4.7)	121Sb(61.4,78.1)	133.8 (26.2)	123Sb(87.6,40.8)
124.1 (3.5)	183W(111.2,903.3)	133.9 (46.0)	181Ta(270.4,5965.0)
124.3 (12.6)	127I(133.6,27.4)	135.2 (23.4)	196Pt(5846.3,649.2)
124.3 (4.4)	186W(59.2,145.8)	135.3 (7.2)	226Ra(90.0,64.3)
124.3 (7.9)	193Ir(371.5,112.2)	135.5 (12.8)	226Ra(90.0,64.3)
124.5 (10.4)	51V(22.8,125.1)	135.6 (19.7)	159Tb(75.1,63.7)
124.6 (2.8)	141Pr(176.9,140.9)	135.8 (2.2)	176Lu(150.4,138.6)
124.6 (2.4)	159Tb(75.1,63.7)	136.0 (2.0)	71Ga(145.1,192.0)
124.6 (50.0)	176Yb(104.5,151.6)	136.0 (4.2)	237Np(182.9,49.4)
124.7 (2.1)	74Ge(574.7,253.7)	136.1 (97.6)	102Ru(174.0,136.1)
125.1 (4.8)	100Mo(180.7,237.6)	136.1 (8.1)	193Ir(371.5,112.2)
125.1 (2.7)	248Cm(1408.3,1622.9)	136.4 (3.4)	243Am(87.7,75.3)
125.1 (71.7)	51V(22.8,125.1)	136.5 (14.1)	56Fe(7631.2,7645.6)
125.1 (2.2)	181Ta(270.4,5965.0)	136.7(100.0)	165Ho(136.7,116.8)
125.7(100.0)	174Hf(125.7,5842.2)	136.7 (14.1)	122Te(158.9,439.9)
125.8 (3.4)	129I(6408.4,5821.7)	137.2 (3.2)	248Cm(1408.3,1622.9)
125.8 (4.5)	76Se(239.0,520.6)	137.7 (6.9)	197Au(214.8,6252.6)
126.2 (3.9)	165Ho(136.7,116.8)	137.8 (5.8)	248Cm(1408.3,1622.9)
126.4 (12.1)	115In(273.0,85.6)	137.9 (9.7)	123Sb(87.6,40.8)
126.7 (12.2)	152Eu(97.4,103.2)	138.1 (4.8)	190Os(5146.8,527.5)
126.8 (28.9)	141Pr(176.9,140.9)	138.1 (17.8)	196Pt(5846.3,649.2)
127.0 (2.1)	127I(133.6,27.4)	138.4 (39.3)	104Ru(143.2,159.3)
127.3(100.0)	152Sm(127.3,35.8)	138.4 (4.5)	248Cm(1408.3,1622.9)
127.3 (12.7)	194Ir(300.3,175.2)	138.4 (2.0)	100Mo(180.7,237.6)
127.4 (5.3)	185Re(59.0,214.6)	138.4 (43.3)	148Nd(165.1,138.4)
127.5 (5.6)	133Cs(11.2,116.4)	138.6 (42.1)	176Lu(150.4,138.6)
127.6 (10.0)	186W(59.2,145.8)	138.6 (4.5)	93Nb(99.4,255.9)
127.7 (3.3)	187Re(63.6,290.7)	138.7 (38.4)	193Ir(371.5,112.2)
127.9 (44.5)	146Nd(314.7,78.0)	138.7 (2.3)	187Re(63.6,290.7)
128.1 (16.8)	184Os(431.2,6588.0)	138.9 (2.3)	193Ir(371.5,112.2)
128.8 (3.2)	152Eu(97.4,103.2)	139.1 (3.9)	164Dy(184.3,538.5)
129.1 (4.3)	248Cm(1408.3,1622.9)	139.2 (53.3)	74Ge(574.7,253.7)
129.3 (92.3)	234U(637.8,129.3)	139.2 (37.0)	76Se(239.0,520.6)
129.4 (10.5)	152Sm(127.3,35.8)	139.3 (27.9)	113In(311.6,287.7)
129.6 (11.3)	193Ir(371.5,112.2)	139.3 (4.2)	85Rb(557.0,488.0)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
139.3 (3.6)	150Sm(167.8,5281.1)	145.9 (4.1)	153Eu(68.2,0.9)
139.4 (8.3)	175Lu(71.5,225.4)	146.2 (4.2)	193Ir(371.5,112.2)
139.4 (2.5)	185Re(59.0,214.6)	146.3 (3.4)	197Au(214.8,6252.6)
139.5 (5.3)	181Ta(270.4,5965.0)	146.4 (5.6)	186Os(427.1,400.8)
139.6 (3.2)	71Ga(145.1,192.0)	146.5 (3.9)	248Cm(1408.3,1622.9)
139.8 (28.6)	98Mo(97.6,351.0)	146.5 (11.3)	241Am(186.4,154.6)
139.8 (8.4)	193Ir(371.5,112.2)	146.6 (3.4)	197Au(214.8,6252.6)
139.9(100.0)	203Tl(139.9,319.3)	146.8 (8.0)	181Ta(270.4,5965.0)
140.0 (2.2)	83Kr(881.7,1213.4)	147.0 (77.0)	45Sc(227.8,142.5)
140.1 (4.9)	185Re(59.0,214.6)	147.1 (3.6)	152Sm(127.3,35.8)
140.4 (3.2)	146Nd(314.7,78.0)	147.1 (6.8)	127I(133.6,27.4)
140.4 (11.5)	194Pt(211.4,98.9)	147.2 (21.2)	176Lu(150.4,138.6)
140.5 (6.0)	115In(273.0,85.6)	147.3 (14.6)	113In(311.6,287.7)
140.7 (2.9)	159Tb(75.1,63.7)	147.4 (10.8)	185Re(59.0,214.6)
140.8 (5.5)	159Tb(75.1,63.7)	147.5 (4.3)	175Lu(71.5,225.4)
140.8 (2.2)	100Mo(180.7,237.6)	147.6 (61.7)	150Sm(167.8,5281.1)
140.9 (18.5)	146Nd(314.7,78.0)	147.6 (2.3)	193Ir(371.5,112.2)
140.9 (42.3)	141Pr(176.9,140.9)	147.7 (12.7)	194Ir(300.3,175.2)
141.1 (2.8)	172Yb(399.4,116.1)	147.8 (2.1)	248Cm(1408.3,1622.9)
141.1 (23.0)	176Yb(104.5,151.6)	147.8 (12.5)	51V(22.8,125.1)
141.2 (6.7)	115In(273.0,85.6)	147.9 (3.8)	100Mo(180.7,237.6)
141.2 (3.3)	181Ta(270.4,5965.0)	148.0 (2.2)	193Ir(371.5,112.2)
141.3 (3.5)	185Re(59.0,214.6)	148.2 (2.9)	248Cm(1408.3,1622.9)
141.3 (7.4)	74Se(286.6,7734.1)	148.2 (34.0)	121Sb(61.4,78.1)
141.4 (7.7)	121Sb(61.4,78.1)	148.4 (2.6)	166Er(207.8,798.8)
141.5 (3.9)	152Eu(97.4,103.2)	148.6 (2.9)	154Gd(86.5,105.3)
141.5 (2.1)	159Tb(75.1,63.7)	148.7 (2.1)	121Sb(61.4,78.1)
141.8 (13.6)	187Re(63.6,290.7)	148.7 (8.1)	163Dy(688.4,754.8)
142.1 (5.1)	193Ir(371.5,112.2)	148.9 (3.0)	186W(59.2,145.8)
142.1 (9.6)	127I(133.6,27.4)	148.9 (68.0)	193Ir(371.5,112.2)
142.2 (3.1)	193Ir(371.5,112.2)	149.0 (5.2)	185Re(59.0,214.6)
142.3 (3.6)	71Ga(145.1,192.0)	149.3 (15.3)	165Ho(136.7,116.8)
142.5 (95.4)	45Sc(227.8,142.5)	149.5 (6.2)	185Re(59.0,214.6)
142.8 (2.2)	197Au(214.8,6252.6)	149.6 (29.4)	168Er(64.6,4908.8)
143.2 (10.0)	181Ta(270.4,5965.0)	149.7 (2.4)	248Cm(1408.3,1622.9)
143.2 (11.0)	182Ta(459.1,315.9)	150.1 (2.5)	113In(311.6,287.7)
143.2 (13.0)	123Sb(87.6,40.8)	150.3 (5.1)	248Cm(1408.3,1622.9)
143.2(100.0)	104Ru(143.2,159.3)	150.4(100.0)	176Lu(150.4,138.6)
143.2 (2.3)	151Eu(89.8,77.3)	150.5 (4.4)	185Re(59.0,214.6)
143.6 (30.6)	193Ir(371.5,112.2)	150.6 (7.2)	159Tb(75.1,63.7)
143.8 (17.8)	230Th(185.7,4284.9)	151.0 (2.9)	187Re(63.6,290.7)
143.9 (10.0)	185Re(59.0,214.6)	151.2 (2.8)	226Ra(90.0,64.3)
144.2 (33.1)	185Re(59.0,214.6)	151.5 (35.0)	168Er(64.6,4908.8)
144.5 (2.3)	175Lu(71.5,225.4)	151.6 (2.5)	226Ra(90.0,64.3)
144.6 (7.5)	168Yb(191.2,720.0)	151.6 (85.0)	176Yb(104.5,151.6)
144.7 (7.1)	176Lu(150.4,138.6)	151.6 (25.0)	152Eu(97.4,103.2)
145.1 (4.6)	197Au(214.8,6252.6)	151.7 (21.5)	185Re(59.0,214.6)
145.1(100.0)	71Ga(145.1,192.0)	151.9 (13.6)	152Eu(97.4,103.2)
145.1 (5.6)	226Ra(90.0,64.3)	152.4 (17.4)	193Ir(371.5,112.2)
145.2 (3.4)	187Re(63.6,290.7)	152.8 (3.4)	109Ag(198.7,235.7)
145.2 (5.2)	193Ir(371.5,112.2)	152.9 (4.0)	237Np(182.9,49.4)
145.4 (2.8)	153Eu(68.2,0.9)	152.9 (32.1)	108Pd(113.4,245.1)
145.7 (5.8)	187Re(63.6,290.7)	153.0 (2.3)	193Ir(371.5,112.2)
145.8 (82.0)	186W(59.2,145.8)	153.0 (12.5)	127I(133.6,27.4)
145.9 (9.0)	176Lu(150.4,138.6)	153.1 (23.6)	193Ir(371.5,112.2)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
153.3(3.6)	226Ra(90.0,64.3)	160.6(2.9)	237Np(182.9,49.4)
153.5(13.3)	175Lu(71.5,225.4)	160.7(2.8)	178Hf(214.3,304.0)
153.7(23.3)	159Tb(75.1,63.7)	160.8(10.6)	127I(133.6,27.4)
153.7(2.9)	237Np(182.9,49.4)	160.8(16.1)	193Ir(371.5,112.2)
153.8(6.0)	71Ga(145.1,192.0)	161.0(20.0)	193Ir(371.5,112.2)
153.8(2.0)	248Cm(1408.3,1622.9)	161.1(5.3)	226Ra(90.0,64.3)
154.0(6.4)	69Ga(508.4,691.0)	161.2(3.9)	226Ra(90.0,64.3)
154.1(4.4)	181Ta(270.4,5965.0)	161.2(3.5)	178Hf(214.3,304.0)
154.6(89.1)	241Am(186.4,154.6)	161.3(6.5)	93Nb(99.4,255.9)
154.7(4.0)	197Au(214.8,6252.6)	161.3(3.0)	154Gd(86.5,105.3)
154.9(11.6)	209Bi(319.7,162.2)	161.4(3.2)	248Cm(1408.3,1622.9)
155.0(100.0)	187Os(155.0,633.1)	161.4(4.3)	234U(637.8,129.3)
155.2(38.1)	123Sb(87.6,40.8)	161.9(51.0)	76Se(239.0,520.6)
155.3(8.5)	150Nd(189.1,57.7)	162.2(67.3)	209Bi(319.7,162.2)
155.3(7.0)	115In(273.0,85.6)	162.3(4.3)	104Ru(143.2,159.3)
155.5(8.1)	62Ni(6838.2,155.5)	162.3(4.1)	248Cm(1408.3,1622.9)
155.6(25.0)	139La(5097.7,4842.7)	162.3(2.3)	148Nd(165.1,138.4)
156.1(5.7)	148Nd(165.1,138.4)	162.4(2.4)	193Ir(371.5,112.2)
156.1(3.0)	152Eu(97.4,103.2)	162.4(72.1)	115In(273.0,85.6)
156.1(10.0)	181Ta(270.4,5965.0)	162.5(36.9)	176Lu(150.4,138.6)
156.4(3.4)	113In(311.6,287.7)	162.5(8.7)	186Os(427.1,400.8)
156.4(6.1)	187Re(63.6,290.7)	162.7(62.5)	139La(5097.7,4842.7)
156.4(34.0)	237Np(182.9,49.4)	162.8(11.4)	193Ir(371.5,112.2)
156.5(6.3)	127I(133.6,27.4)	162.9(10.6)	150Sm(167.8,5281.1)
156.9(17.4)	168Yb(191.2,720.0)	163.1(2.3)	193Ir(371.5,112.2)
157.2(3.7)	187Re(63.6,290.7)	163.2(4.0)	71Ga(145.1,192.0)
157.4(2.5)	150Sm(167.8,5281.1)	163.2(4.7)	159Tb(75.1,63.7)
157.4(2.2)	196Pt(5846.3,649.2)	163.3(15.2)	154Gd(86.5,105.3)
157.4(2.8)	186W(59.2,145.8)	163.4(2.3)	230Th(185.7,4284.9)
157.5(74.5)	100Mo(180.7,237.6)	163.6(22.8)	226Ra(90.0,64.3)
157.8(2.7)	135Ba(818.7,1261.8)	163.6(27.2)	150Sm(167.8,5281.1)
157.8(17.8)	104Ru(143.2,159.3)	164.1(2.6)	127I(133.6,27.4)
158.1(4.4)	182Ta(459.1,315.9)	164.3(38.3)	194Ir(300.3,175.2)
158.3(20.6)	197Au(214.8,6252.6)	164.5(2.9)	185Re(59.0,214.6)
158.4(26.8)	184Os(431.2,6588.0)	165.0(4.5)	168Yb(191.2,720.0)
158.4(2.2)	193Ir(371.5,112.2)	165.0(4.4)	75As(6810.5,7020.1)
158.5(5.1)	59Co(58.9,229.7)	165.1(100.0)	148Nd(165.1,138.4)
158.5(5.1)	248Cm(1408.3,1622.9)	165.4(12.8)	193Ir(371.5,112.2)
158.6(100.0)	46Ti(158.6,1391.5)	165.4(16.8)	193Ir(371.5,112.2)
158.9(2.7)	248Cm(1408.3,1622.9)	165.5(34.8)	71Ga(145.1,192.0)
158.9(100.0)	122Te(158.9,439.9)	165.7(10.5)	85Rb(557.0,488.0)
158.9(5.1)	159Tb(75.1,63.7)	165.8(2.9)	248Cm(1408.3,1622.9)
159.0(2.3)	181Ta(270.4,5965.0)	165.9(2.4)	165Dy(176.9,852.1)
159.2(5.1)	248Cm(1408.3,1622.9)	166.1(4.1)	197Au(214.8,6252.6)
159.2(9.6)	232Th(3473.0,566.6)	166.3(43.4)	193Ir(371.5,112.2)
159.3(45.3)	63Cu(7916.3,278.2)	166.5(9.6)	121Sb(61.4,78.1)
159.3(93.9)	104Ru(143.2,159.3)	166.5(9.1)	165Dy(176.9,852.1)
159.5(6.9)	76Ge(5912.9,5049.1)	166.6(2.8)	152Eu(97.4,103.2)
159.6(32.5)	168Er(64.6,4908.8)	166.6(31.6)	150Nd(189.1,57.7)
159.8(4.6)	248Cm(1408.3,1622.9)	166.6(11.8)	152Sm(127.3,35.8)
160.0(6.3)	129I(6408.4,5821.7)	166.7(2.5)	99Tc(172.1,299.5)
160.1(2.2)	102Ru(174.0,136.1)	166.7(2.9)	109Ag(198.7,235.7)
160.2(69.8)	136Ce(434.0,514.2)	166.9(2.2)	193Ir(371.5,112.2)
160.3(2.2)	226Ra(90.0,64.3)	167.3(100.0)	natAr(167.3,4745.0)
160.6(2.4)	154Gd(86.5,105.3)	167.3(9.2)	196Pt(5846.3,649.2)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
167.3 (17.7)	187Re (63.6, 290.7)	176.1 (4.5)	150Nd (189.1, 57.7)
167.3 (5.0)	162Dy (351.1, 421.9)	176.1 (3.7)	85Rb (557.0, 488.0)
167.4 (4.5)	168Er (64.6, 4908.8)	176.1 (3.2)	185Re (59.0, 214.6)
167.5 (3.5)	165Ho (136.7, 116.8)	176.2 (6.6)	181Ta (270.4, 5965.0)
167.6 (21.5)	123Sb (87.6, 40.8)	176.4 (35.4)	133Cs (11.2, 116.4)
167.6 (2.5)	248Cm (1408.3, 1622.9)	176.5 (2.8)	193Ir (371.5, 112.2)
167.7 (3.7)	185Re (59.0, 214.6)	176.6 (2.6)	185Re (59.0, 214.6)
167.8 (100.0)	150Sm (167.8, 5281.1)	176.6 (100.0)	173Yb (176.6, 1241.9)
167.9 (7.1)	146Nd (314.7, 78.0)	176.7 (7.3)	193Ir (371.5, 112.2)
168.2 (58.2)	197Au (214.8, 6252.6)	176.8 (2.6)	159Tb (75.1, 63.7)
168.4 (17.3)	150Sm (167.8, 5281.1)	176.9 (100.0)	141Pr (176.9, 140.9)
168.6 (6.4)	176Lu (150.4, 138.6)	176.9 (100.0)	165Dy (176.9, 852.1)
168.8 (3.7)	99Tc (172.1, 299.5)	177.0 (13.2)	184W (4573.6, 1181.6)
168.8 (89.6)	163Dy (688.4, 754.8)	177.2 (5.4)	150Sm (167.8, 5281.1)
169.2 (3.9)	104Ru (143.2, 159.3)	177.3 (16.4)	74Ge (574.7, 253.7)
169.2 (6.9)	241Am (186.4, 154.6)	177.4 (6.5)	174Hf (125.7, 5842.2)
169.4 (4.7)	139La (5097.7, 4842.7)	177.4 (90.2)	186Os (427.1, 400.8)
169.4 (2.3)	185Re (59.0, 214.6)	177.4 (4.6)	162Dy (351.1, 421.9)
169.6 (11.3)	193Ir (371.5, 112.2)	178.0 (24.2)	108Pd (113.4, 245.1)
169.8 (3.5)	129I (6408.4, 5821.7)	178.1 (3.1)	187Re (63.6, 290.7)
169.9 (2.0)	197Au (214.8, 6252.6)	178.4 (2.9)	107Ag (79.1, 206.6)
169.9 (7.2)	193Ir (371.5, 112.2)	178.5 (14.3)	194Ir (300.3, 175.2)
170.0 (18.4)	197Au (214.8, 6252.6)	178.6 (3.4)	181Ta (270.4, 5965.0)
170.2 (3.7)	150Nd (189.1, 57.7)	178.9 (13.6)	159Tb (75.1, 63.7)
170.3 (4.5)	197Au (214.8, 6252.6)	179.0 (4.0)	133Cs (11.2, 116.4)
171.1 (8.5)	115In (273.0, 85.6)	179.2 (4.2)	193Ir (371.5, 112.2)
171.3 (3.5)	102Ru (174.0, 136.1)	179.4 (7.7)	185Re (59.0, 214.6)
171.6 (2.0)	181Ta (270.4, 5965.0)	180.1 (8.1)	154Gd (86.5, 105.3)
171.6 (4.5)	248Cm (1408.3, 1622.9)	180.7 (2.4)	193Ir (371.5, 112.2)
171.8 (2.3)	193Ir (371.5, 112.2)	180.7 (100.0)	100Mo (180.7, 237.6)
171.9 (11.4)	176Lu (150.4, 138.6)	180.8 (7.1)	197Au (214.8, 6252.6)
172.1 (100.0)	99Tc (172.1, 299.5)	180.8 (42.2)	186Os (427.1, 400.8)
172.3 (2.1)	152Eu (97.4, 103.2)	180.8 (3.5)	103Rh (217.9, 5346.6)
172.3 (4.1)	190Os (5146.8, 527.5)	180.9 (2.4)	193Ir (371.5, 112.2)
172.7 (17.1)	165Dy (176.9, 852.1)	181.1 (2.1)	193Ir (371.5, 112.2)
172.9 (50.5)	194Pt (211.4, 98.9)	181.1 (4.6)	165Ho (136.7, 116.8)
173.2 (58.0)	181Ta (270.4, 5965.0)	181.5 (8.8)	194Ir (300.3, 175.2)
173.3 (2.1)	152Sm (127.3, 35.8)	181.5 (2.9)	100Mo (180.7, 237.6)
173.5 (8.7)	184W (4573.6, 1181.6)	181.5 (10.7)	171Yb (5538.8, 5690.9)
173.7 (4.9)	150Nd (189.1, 57.7)	181.6 (8.0)	71Ga (145.1, 192.0)
173.8 (8.1)	123Sb (87.6, 40.8)	181.6 (8.0)	86Kr (1475.9, 3392.6)
173.9 (10.8)	115In (273.0, 85.6)	181.6 (4.6)	184Os (431.2, 6588.0)
174.0 (100.0)	102Ru (174.0, 136.1)	181.7 (9.6)	154Gd (86.5, 105.3)
174.3 (4.9)	104Ru (143.2, 159.3)	181.8 (5.3)	248Cm (1408.3, 1622.9)
174.3 (100.0)	44Ca (174.3, 5515.0)	181.9 (2.4)	159Tb (75.1, 63.7)
174.3 (7.7)	185Re (59.0, 214.6)	181.9 (100.0)	157Gd (181.9, 79.5)
174.3 (6.5)	133Cs (11.2, 116.4)	181.9 (4.4)	187Re (63.6, 290.7)
174.8 (17.1)	98Mo (97.6, 351.0)	182.0 (4.3)	241Am (186.4, 154.6)
174.9 (94.8)	70Ge (499.9, 174.9)	182.1 (2.2)	232Th (3473.0, 566.6)
175.1 (2.5)	115In (273.0, 85.6)	182.1 (4.2)	193Ir (371.5, 112.2)
175.2 (74.0)	194Ir (300.3, 175.2)	182.2 (2.2)	185Re (59.0, 214.6)
175.2 (4.4)	226Ra (90.0, 64.3)	182.4 (3.6)	226Ra (90.0, 64.3)
175.4 (18.3)	152Sm (127.3, 35.8)	182.4 (6.7)	175Lu (71.5, 225.4)
175.7 (37.6)	190Os (5146.8, 527.5)	182.7 (4.9)	148Nd (165.1, 138.4)
175.9 (18.1)	226Ra (90.0, 64.3)	182.8 (39.2)	141Pr (176.9, 140.9)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
182.8(2.3)	234U(637.8,129.3)	191.5(3.6)	176Lu(150.4,138.6)
182.9(100.0)	237Np(182.9,49.4)	191.7(17.6)	198Au(493.8,317.1)
182.9(22.6)	152Sm(127.3,35.8)	191.8(21.3)	241Am(186.4,154.6)
184.0(3.0)	129I(6408.4,5821.7)	191.9(3.0)	150Nd(189.1,57.7)
184.0(3.9)	121Sb(61.4,78.1)	192.0(39.0)	71Ga(145.1,192.0)
184.1(19.6)	71Ga(145.1,192.0)	192.2(30.3)	175Lu(71.5,225.4)
184.3(100.0)	164Dy(184.3,538.5)	192.3(41.8)	197Au(214.8,6252.6)
184.3(100.0)	167Er(184.3,6677.4)	192.6(2.3)	150Sm(167.8,5281.1)
184.5(4.6)	159Tb(75.1,63.7)	192.8(19.9)	197Au(214.8,6252.6)
184.6(11.5)	81Br(29.1,287.7)	193.1(24.5)	152Eu(97.4,103.2)
184.7(43.7)	193Ir(371.5,112.2)	193.1(27.4)	107Ag(79.1,206.6)
185.0(9.1)	129I(6408.4,5821.7)	193.2(2.8)	248Cm(1408.3,1622.9)
185.0(100.0)	161Dy(185.0,882.3)	193.3(6.8)	178Hf(214.3,304.0)
185.1(5.5)	123Sb(87.6,40.8)	193.4(5.5)	187Re(63.6,290.7)
185.2(3.1)	159Tb(75.1,63.7)	193.4(16.7)	159Tb(75.1,63.7)
185.2(10.1)	194Ir(300.3,175.2)	193.5(2.5)	150Nd(189.1,57.7)
185.3(3.3)	161Dy(185.0,882.3)	193.6(6.8)	127I(133.6,27.4)
185.3(2.1)	175Lu(71.5,225.4)	193.8(4.1)	248Cm(1408.3,1622.9)
185.6(22.1)	176Lu(150.4,138.6)	193.9(3.2)	190Os(5146.8,527.5)
185.7(100.0)	230Th(185.7,4284.9)	193.9(10.0)	193Ir(371.5,112.2)
185.8(29.3)	198Au(493.8,317.1)	194.1(6.9)	121Sb(61.4,78.1)
186.0(2.6)	100Mo(180.7,237.6)	194.2(21.5)	193Ir(371.5,112.2)
186.0(100.0)	65Cu(186.0,465.2)	194.3(3.1)	226Ra(90.0,64.3)
186.2(4.2)	193Ir(371.5,112.2)	194.6(5.4)	109Ag(198.7,235.7)
186.2(67.6)	115In(273.0,85.6)	194.6(21.2)	71Ga(145.1,192.0)
186.4(100.0)	241Am(186.4,154.6)	194.9(44.0)	241Am(186.4,154.6)
186.7(100.0)	189Os(186.7,558.0)	195.1(2.8)	181Ta(270.4,5965.0)
186.8(4.0)	146Nd(314.7,78.0)	195.5(5.4)	109Ag(198.7,235.7)
186.8(3.5)	133Cs(11.2,116.4)	195.5(9.9)	193Ir(371.5,112.2)
187.0(3.2)	175Lu(71.5,225.4)	195.6(4.0)	176Lu(150.4,138.6)
187.0(5.2)	150Sm(167.8,5281.1)	195.6(3.2)	76Ge(5912.9,5049.1)
187.3(2.5)	226Ra(90.0,64.3)	195.6(23.6)	79Br(37.1,245.2)
187.5(41.3)	69Ga(508.4,691.0)	195.7(2.3)	234U(637.8,129.3)
187.5(2.3)	193Ir(371.5,112.2)	196.1(4.1)	150Nd(189.1,57.7)
187.6(100.0)	124Sn(187.6,616.4)	196.4(4.3)	113In(311.6,287.7)
187.8(4.5)	141Pr(176.9,140.9)	196.4(3.1)	99Tc(172.1,299.5)
187.9(5.3)	150Sm(167.8,5281.1)	196.9(3.2)	152Sm(127.3,35.8)
188.1(7.0)	197Au(214.8,6252.6)	197.0(21.0)	174Hf(125.7,5842.2)
188.1(6.7)	176Lu(150.4,138.6)	197.2(7.9)	148Nd(165.1,138.4)
188.3(7.7)	175Lu(71.5,225.4)	197.2(3.7)	175Lu(71.5,225.4)
188.4(2.6)	184W(4573.6,1181.6)	197.4(2.0)	98Mo(97.6,351.0)
188.5(4.4)	150Sm(167.8,5281.1)	197.5(2.3)	186W(59.2,145.8)
188.5(10.0)	55Mn(26.6,7243.8)	197.5(5.0)	194Pt(211.4,98.9)
188.7(2.7)	193Ir(371.5,112.2)	197.6(25.1)	188Os(5414.9,343.5)
188.8(11.8)	187Re(63.6,290.7)	197.7(2.6)	189Os(186.7,558.0)
189.0(5.6)	108Pd(113.4,245.1)	197.9(100.0)	170Er(197.9,904.0)
189.1(100.0)	150Nd(189.1,57.7)	197.9(27.4)	71Ga(145.1,192.0)
189.1(3.4)	237Np(182.9,49.4)	198.0(2.1)	193Ir(371.5,112.2)
189.3(6.0)	185Re(59.0,214.6)	198.1(2.7)	193Ir(371.5,112.2)
190.1(2.0)	65Cu(186.0,465.2)	198.2(57.4)	167Er(184.3,6677.4)
190.3(3.7)	113In(311.6,287.7)	198.3(14.6)	133Cs(11.2,116.4)
190.3(7.9)	181Ta(270.4,5965.0)	198.4(2.0)	83Kr(881.7,1213.4)
190.4(2.0)	187Re(63.6,290.7)	198.7(100.0)	109Ag(198.7,235.7)
191.1(2.0)	197Au(214.8,6252.6)	198.8(3.7)	85Rb(557.0,488.0)
191.2(100.0)	168Yb(191.2,720.0)	198.8(7.0)	193Ir(371.5,112.2)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
198.9 (10.0)	230Th(185.7,4284.9)	207.8 (54.5)	187Re(63.6,290.7)
199.1 (2.2)	159Tb(75.1,63.7)	208.0 (33.6)	241Am(186.4,154.6)
199.2 (2.4)	159Tb(75.1,63.7)	208.0 (8.1)	248Cm(1408.3,1622.9)
199.2(100.0)	155Gd(199.2,89.0)	208.1 (2.4)	154Gd(86.5,105.3)
199.5 (12.3)	187Re(63.6,290.7)	208.2 (3.0)	186Os(427.1,400.8)
199.5 (26.5)	194Pt(211.4,98.9)	208.3 (2.3)	193Ir(371.5,112.2)
199.7 (2.9)	165Ho(136.7,116.8)	208.4 (2.1)	193Ir(371.5,112.2)
200.2 (4.0)	108Pd(113.4,245.1)	208.6 (2.9)	81Br(29.1,287.7)
200.5 (13.4)	76Se(239.0,520.6)	208.8 (11.8)	187Re(63.6,290.7)
200.5 (4.9)	154Gd(86.5,105.3)	208.9 (4.9)	104Ru(143.2,159.3)
200.5 (3.5)	141Pr(176.9,140.9)	209.0 (10.9)	150Sm(167.8,5281.1)
200.8 (2.6)	148Nd(165.1,138.4)	209.1 (5.3)	139La(5097.7,4842.7)
201.0 (3.2)	107Ag(79.1,206.6)	209.8 (2.5)	185Re(59.0,214.6)
201.1 (5.9)	192Os(5276.0,5583.3)	210.2 (15.0)	102Ru(174.0,136.1)
201.3 (7.9)	191Os(205.8,374.5)	210.3 (3.6)	71Ga(145.1,192.0)
201.4 (41.8)	186W(59.2,145.8)	210.5 (3.3)	181Ta(270.4,5965.0)
201.5 (12.7)	175Lu(71.5,225.4)	210.6 (24.8)	102Ru(174.0,136.1)
201.6 (11.8)	121Sb(61.4,78.1)	210.7 (25.4)	185Re(59.0,214.6)
201.7 (2.9)	232Th(3473.0,566.6)	211.1 (15.8)	163Dy(688.4,754.8)
201.8 (3.3)	107Ag(79.1,206.6)	211.1 (2.8)	193Ir(371.5,112.2)
201.8 (2.8)	102Ru(174.0,136.1)	211.3 (3.2)	133Cs(11.2,116.4)
201.8 (17.9)	194Ir(300.3,175.2)	211.4(100.0)	194Pt(211.4,98.9)
201.9 (3.7)	146Nd(314.7,78.0)	211.5 (3.3)	187Re(63.6,290.7)
202.0 (13.9)	150Nd(189.1,57.7)	211.6 (2.4)	79Br(37.1,245.2)
202.0 (21.0)	150Sm(167.8,5281.1)	211.9 (7.2)	232Th(3473.0,566.6)
202.1 (2.4)	71Ga(145.1,192.0)	211.9 (11.3)	108Pd(113.4,245.1)
202.3 (4.0)	178Hf(214.3,304.0)	212.0 (58.9)	55Mn(26.6,7243.8)
202.4 (8.6)	226Ra(90.0,64.3)	212.1 (6.3)	162Dy(351.1,421.9)
202.6 (5.0)	115In(273.0,85.6)	212.2 (2.6)	163Dy(688.4,754.8)
202.6 (30.3)	89Y(6080.5,776.7)	212.2 (15.6)	71Ga(145.1,192.0)
202.9 (3.8)	127I(133.6,27.4)	212.3 (7.3)	193Ir(371.5,112.2)
202.9 (3.0)	197Au(214.8,6252.6)	212.4 (3.1)	63Cu(7916.3,278.2)
202.9 (14.8)	63Cu(7916.3,278.2)	212.5 (4.7)	150Nd(189.1,57.7)
203.6 (14.6)	234U(637.8,129.3)	212.6 (2.8)	148Nd(165.1,138.4)
203.7 (4.6)	186Os(427.1,400.8)	212.8 (2.3)	152Sm(127.3,35.8)
204.0 (7.1)	74Ge(574.7,253.7)	213.2 (3.6)	99Tc(172.1,299.5)
204.0 (7.0)	197Au(214.8,6252.6)	213.4 (37.6)	177Hf(6112.4,5807.8)
204.2 (4.2)	193Ir(371.5,112.2)	213.7 (9.1)	104Ru(143.2,159.3)
204.3 (24.4)	192Os(5276.0,5583.3)	213.7 (2.9)	193Ir(371.5,112.2)
204.6 (4.6)	121Sb(61.4,78.1)	214.1 (4.0)	175Lu(71.5,225.4)
204.8 (17.2)	186W(59.2,145.8)	214.2 (2.3)	181Ta(270.4,5965.0)
205.1 (2.7)	193Ir(371.5,112.2)	214.3(100.0)	178Hf(214.3,304.0)
205.3 (5.2)	187Re(63.6,290.7)	214.6 (5.5)	146Nd(314.7,78.0)
205.6 (21.3)	133Cs(11.2,116.4)	214.6 (50.0)	185Re(59.0,214.6)
205.8(100.0)	191Os(205.8,374.5)	214.7 (2.1)	197Au(214.8,6252.6)
206.0 (10.1)	180Hf(5695.9,5649.7)	214.8(100.0)	197Au(214.8,6252.6)
206.1 (2.6)	197Au(214.8,6252.6)	214.8 (2.0)	129I(6408.4,5821.7)
206.5 (5.0)	226Ra(90.0,64.3)	215.0 (3.8)	139La(5097.7,4842.7)
206.6 (40.5)	107Ag(79.1,206.6)	215.1 (55.4)	163Dy(688.4,754.8)
206.7 (11.4)	194Ir(300.3,175.2)	215.1 (4.9)	55Mn(26.6,7243.8)
206.8 (4.2)	163Dy(688.4,754.8)	215.2 (2.0)	197Au(214.8,6252.6)
206.9 (2.0)	123Sb(87.6,40.8)	215.3 (2.3)	179Hf(5572.4,4707.8)
207.7 (4.0)	148Nd(165.1,138.4)	215.3 (2.1)	150Sm(167.8,5281.1)
207.8 (5.0)	176Lu(150.4,138.6)	215.3 (5.3)	183W(111.2,903.3)
207.8(100.0)	166Er(207.8,798.8)	215.4 (15.9)	107Ag(79.1,206.6)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
215.4 (2.3)	108Pd(113.4,245.1)	224.1 (4.4)	127I(133.6,27.4)
215.5 (5.6)	237Np(182.9,49.4)	224.3 (5.6)	173Yb(176.6,1241.9)
215.7 (3.0)	148Nd(165.1,138.4)	224.4 (3.1)	148Nd(165.1,138.4)
216.0 (5.2)	194Pt(211.4,98.9)	224.4 (2.4)	148Nd(165.1,138.4)
216.0 (3.3)	187Re(63.6,290.7)	224.7 (10.4)	194Ir(300.3,175.2)
216.1 (10.3)	196Pt(5846.3,649.2)	225.1 (2.9)	243Am(87.7,75.3)
216.1 (4.6)	154Gd(86.5,105.3)	225.2 (2.4)	81Br(29.1,287.7)
216.4 (37.8)	45Sc(227.8,142.5)	225.4 (4.6)	99Tc(172.1,299.5)
216.7 (21.9)	188Os(5414.9,343.5)	225.4 (32.0)	175Lu(71.5,225.4)
216.8 (2.2)	100Mo(180.7,237.6)	225.4 (5.5)	193Ir(371.5,112.2)
217.0 (6.0)	175Lu(71.5,225.4)	225.5 (5.0)	226Ra(90.0,64.3)
217.1 (2.5)	187Re(63.6,290.7)	225.7 (21.5)	104Ru(143.2,159.3)
217.1 (3.1)	99Tc(172.1,299.5)	225.8 (5.7)	186Os(427.1,400.8)
217.3 (7.8)	194Ir(300.3,175.2)	225.9 (2.2)	248Cm(1408.3,1622.9)
217.4 (4.9)	167Er(184.3,6677.4)	226.0 (11.2)	186W(59.2,145.8)
217.6 (2.2)	237Np(182.9,49.4)	226.6 (9.3)	193Ir(371.5,112.2)
217.9 (100.0)	103Rh(217.9,5346.6)	226.7 (36.2)	183W(111.2,903.3)
218.2 (96.9)	139La(5097.7,4842.7)	227.0 (3.4)	154Gd(86.5,105.3)
218.3 (4.1)	133Cs(11.2,116.4)	227.0 (31.5)	176Yb(104.5,151.6)
218.5 (100.0)	193Os(218.5,656.5)	227.1 (27.3)	187Re(63.6,290.7)
218.7 (2.9)	248Cm(1408.3,1622.9)	227.1 (6.3)	150Nd(189.1,57.7)
219.2 (8.7)	193Ir(371.5,112.2)	227.2 (2.8)	150Sm(167.8,5281.1)
219.2 (4.7)	175Lu(71.5,225.4)	227.3 (4.1)	31P(3900.3,2154.2)
219.3 (5.2)	197Au(214.8,6252.6)	227.5 (13.4)	148Nd(165.1,138.4)
219.4 (19.6)	79Br(37.1,245.2)	227.5 (2.0)	186W(59.2,145.8)
219.4 (26.7)	188Os(5414.9,343.5)	227.6 (3.7)	196Pt(5846.3,649.2)
219.4 (4.5)	198Au(493.8,317.1)	227.8 (100.0)	45Sc(227.8,142.5)
219.4 (7.8)	187Re(63.6,290.7)	228.0 (11.7)	175Lu(71.5,225.4)
219.8 (5.2)	133Cs(11.2,116.4)	228.1 (5.7)	193Ir(371.5,112.2)
220.4 (2.2)	109Ag(198.7,235.7)	228.2 (4.6)	193Ir(371.5,112.2)
220.8 (6.3)	154Gd(86.5,105.3)	228.7 (53.0)	45Sc(227.8,142.5)
220.8 (7.8)	241Am(186.4,154.6)	228.9 (8.2)	71Ga(145.1,192.0)
220.9 (2.2)	109Ag(198.7,235.7)	229.0 (7.4)	232Th(3473.0,566.6)
221.1 (3.1)	81Br(29.1,287.7)	229.3 (2.5)	193Ir(371.5,112.2)
221.2 (14.2)	165Ho(136.7,116.8)	229.7 (2.5)	146Nd(314.7,78.0)
221.2 (5.0)	151Eu(89.8,77.3)	229.7 (2.7)	121Sb(61.4,78.1)
221.3 (5.1)	186Os(427.1,400.8)	229.7 (31.6)	59Co(58.9,229.7)
221.4 (53.3)	230Th(185.7,4284.9)	229.8 (10.4)	190Os(5146.8,527.5)
222.1 (3.0)	175Lu(71.5,225.4)	229.9 (2.1)	55Mn(26.6,7243.8)
222.1 (3.0)	201Hg(439.5,520.3)	230.0 (13.6)	194Ir(300.3,175.2)
222.2 (6.4)	194Pt(211.4,98.9)	230.2 (2.5)	100Mo(180.7,237.6)
222.4 (24.7)	184Os(431.2,6588.0)	230.3 (3.0)	56Fe(7631.2,7645.6)
222.7 (3.6)	152Sm(127.3,35.8)	230.4 (22.5)	241Am(186.4,154.6)
222.8 (3.1)	192Os(5276.0,5583.3)	230.6 (4.1)	248Cm(1408.3,1622.9)
222.8 (5.4)	243Am(87.7,75.3)	230.8 (3.4)	232Th(3473.0,566.6)
223.0 (4.2)	185Re(59.0,214.6)	231.0 (2.2)	71Ga(145.1,192.0)
223.2 (3.8)	152Sm(127.3,35.8)	231.4 (6.3)	76Se(239.0,520.6)
223.5 (10.1)	99Tc(172.1,299.5)	231.9 (5.7)	193Ir(371.5,112.2)
223.5 (5.8)	152Eu(97.4,103.2)	232.1 (4.4)	185Re(59.0,214.6)
223.6 (8.1)	79Br(37.1,245.2)	232.2 (5.0)	121Sb(61.4,78.1)
223.7 (3.0)	74Ge(574.7,253.7)	232.4 (4.5)	237Np(182.9,49.4)
223.8 (3.4)	100Mo(180.7,237.6)	232.4 (3.7)	150Sm(167.8,5281.1)
223.9 (4.2)	85Rb(557.0,488.0)	233.0 (2.8)	31P(3900.3,2154.2)
223.9 (14.7)	186Os(427.1,400.8)	233.1 (2.3)	165Ho(136.7,116.8)
224.1 (8.5)	193Ir(371.5,112.2)	233.2 (12.0)	121Sb(61.4,78.1)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
233.3 (3.5)	196Pt (5846.3, 649.2)	239.3 (3.5)	107Ag (79.1, 206.6)
233.3 (3.4)	232Th (3473.0, 566.6)	239.5 (2.6)	154Gd (86.5, 105.3)
233.3 (2.7)	100Mo (180.7, 237.6)	239.5 (2.2)	230Th (185.7, 4284.9)
233.5 (3.8)	230Th (185.7, 4284.9)	239.7 (3.5)	184Os (431.2, 6588.0)
233.5 (19.8)	194Ir (300.3, 175.2)	239.8 (9.4)	194Ir (300.3, 175.2)
233.6 (5.1)	72Ge (326.0, 6390.2)	239.9 (4.1)	198Au (493.8, 317.1)
233.7 (2.8)	181Ta (270.4, 5965.0)	239.9 (9.7)	190Os (5146.8, 527.5)
233.7 (7.7)	175Lu (71.5, 225.4)	240.1 (4.9)	150Sm (167.8, 5281.1)
233.9 (2.6)	193Ir (371.5, 112.2)	240.2 (4.5)	241Am (186.4, 154.6)
234.0 (23.2)	188Os (5414.9, 343.5)	240.3 (3.0)	248Cm (1408.3, 1622.9)
234.1 (3.1)	100Mo (180.7, 237.6)	240.4 (5.3)	85Rb (557.0, 488.0)
234.3 (10.7)	79Br (37.1, 245.2)	240.6 (6.1)	248Cm (1408.3, 1622.9)
234.3 (15.7)	133Cs (11.2, 116.4)	240.8 (3.1)	193Ir (371.5, 112.2)
234.5 (4.8)	197Au (214.8, 6252.6)	240.8 (4.8)	248Cm (1408.3, 1622.9)
234.5 (4.0)	193Ir (371.5, 112.2)	240.9 (14.4)	230Th (185.7, 4284.9)
234.6 (2.1)	115In (273.0, 85.6)	241.4 (10.1)	186Os (427.1, 400.8)
234.8 (21.1)	193Ir (371.5, 112.2)	241.6 (4.2)	194Ir (300.3, 175.2)
235.1 (28.0)	190Os (5146.8, 527.5)	241.7 (14.7)	152Eu (97.4, 103.2)
235.3 (9.4)	115In (273.0, 85.6)	241.8 (3.6)	193Ir (371.5, 112.2)
235.5 (3.8)	193Ir (371.5, 112.2)	241.9 (39.8)	54Cr (6246.4, 241.9)
235.6 (3.9)	129I (6408.4, 5821.7)	242.0 (5.0)	46Ti (158.6, 1391.5)
235.7 (4.2)	193Ir (371.5, 112.2)	242.2 (5.5)	190Os (5146.8, 527.5)
235.7 (56.8)	109Ag (198.7, 235.7)	242.3 (5.0)	193Ir (371.5, 112.2)
235.8 (13.5)	139La (5097.7, 4842.7)	242.4 (2.3)	104Ru (143.2, 159.3)
235.9 (4.3)	176Lu (150.4, 138.6)	242.6 (2.4)	193Ir (371.5, 112.2)
235.9 (44.0)	197Au (214.8, 6252.6)	242.6 (8.1)	192Os (5276.0, 5583.3)
236.0 (5.1)	237Np (182.9, 49.4)	242.6 (2.1)	152Eu (97.4, 103.2)
236.0 (3.1)	161Dy (185.0, 882.3)	243.0 (3.8)	159Tb (75.1, 63.7)
236.0 (3.4)	197Au (214.8, 6252.6)	243.3 (5.2)	159Tb (75.1, 63.7)
236.2 (3.1)	150Sm (167.8, 5281.1)	243.6 (13.7)	31P (3900.3, 2154.2)
236.5 (2.2)	79Br (37.1, 245.2)	243.7 (5.0)	241Am (186.4, 154.6)
236.6 (20.9)	187Re (63.6, 290.7)	243.9 (4.5)	194Pt (211.4, 98.9)
236.8 (11.6)	100Mo (180.7, 237.6)	243.9 (27.0)	237Np (182.9, 49.4)
236.8 (2.5)	248Cm (1408.3, 1622.9)	244.2 (18.8)	79Br (37.1, 245.2)
236.8 (2.7)	241Am (186.4, 154.6)	244.3 (3.1)	natN (5269.2, 1884.8)
236.8 (2.9)	232Th (3473.0, 566.6)	244.3 (2.6)	176Lu (150.4, 138.6)
236.8 (5.1)	150Sm (167.8, 5281.1)	244.5 (19.6)	243Am (87.7, 75.3)
237.1 (16.2)	109Ag (198.7, 235.7)	244.8 (5.5)	152Eu (97.4, 103.2)
237.1 (12.6)	150Sm (167.8, 5281.1)	244.8 (53.0)	81Br (29.1, 287.7)
237.5 (2.1)	192Os (5276.0, 5583.3)	245.0 (3.8)	165Ho (136.7, 116.8)
237.6 (87.2)	100Mo (180.7, 237.6)	245.0 (3.3)	173Yb (176.6, 1241.9)
237.7 (39.6)	139La (5097.7, 4842.7)	245.1 (51.9)	108Pd (113.4, 245.1)
237.8 (2.8)	181Ta (270.4, 5965.0)	245.1 (6.7)	193Ir (371.5, 112.2)
237.8 (9.8)	65Cu (186.0, 465.2)	245.2 (39.9)	79Br (37.1, 245.2)
238.1 (12.5)	165Dy (176.9, 852.1)	245.2 (34.1)	188Os (5414.9, 343.5)
238.3 (13.0)	194Ir (300.3, 175.2)	245.5 (14.5)	193Ir (371.5, 112.2)
238.4 (7.1)	96Mo (481.0, 720.5)	245.7 (3.4)	193Ir (371.5, 112.2)
238.5 (5.0)	160Dy (6087.3, 48.9)	245.9 (9.1)	133Cs (11.2, 116.4)
238.6 (10.4)	148Nd (165.1, 138.4)	245.9 (3.5)	193Ir (371.5, 112.2)
238.7 (4.7)	175Lu (71.5, 225.4)	246.1 (3.1)	102Ru (174.0, 136.1)
239.0 (100.0)	76Se (239.0, 520.6)	246.1 (8.3)	196Pt (5846.3, 649.2)
239.0 (13.6)	194Ir (300.3, 175.2)	246.3 (22.6)	123Sb (87.6, 40.8)
239.1 (15.3)	165Ho (136.7, 116.8)	246.5 (74.8)	198Au (493.8, 317.1)
239.3 (21.5)	194Pt (211.4, 98.9)	246.6 (2.0)	123Sb (87.6, 40.8)
239.3 (2.2)	153Eu (68.2, 0.9)	246.8 (2.0)	71Ga (145.1, 192.0)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
246.9 (5.5)	natSi(3539.1,4934.4)	255.1 (2.5)	139La(5097.7,4842.7)
247.3 (7.6)	70Ge(499.9,174.9)	255.2 (10.4)	186Os(427.1,400.8)
247.4 (65.2)	197Au(214.8,6252.6)	255.3 (17.0)	193Ir(371.5,112.2)
247.7 (2.2)	193Ir(371.5,112.2)	255.5 (3.9)	121Sb(61.4,78.1)
247.9 (46.1)	153Gd(123.1,247.9)	255.7 (4.7)	157Gd(181.9,79.5)
247.9 (2.2)	152Eu(97.4,103.2)	255.7 (3.9)	194Pt(211.4,98.9)
248.1 (12.7)	159Tb(75.1,63.7)	255.9 (61.1)	93Nb(99.4,255.9)
248.1 (4.8)	243Am(87.7,75.3)	256.2 (42.4)	232Th(3473.0,566.6)
248.6 (11.4)	193Ir(371.5,112.2)	256.6 (2.6)	133Cs(11.2,116.4)
248.7 (7.4)	127I(133.6,27.4)	256.6 (2.0)	123Sb(87.6,40.8)
248.9 (24.9)	27Al(7723.9,2960.0)	256.9 (11.8)	187Re(63.6,290.7)
249.0 (23.6)	71Ga(145.1,192.0)	257.0 (6.7)	130Te(295.9,3346.9)
249.0 (15.4)	146Nd(314.7,78.0)	257.1 (2.5)	226Ra(90.0,64.3)
249.1 (17.2)	194Ir(300.3,175.2)	257.3 (3.4)	71Ga(145.1,192.0)
249.2 (6.5)	108Pd(113.4,245.1)	257.4 (2.5)	150Nd(189.1,57.7)
249.6 (15.3)	150Nd(189.1,57.7)	257.4 (27.7)	185Re(59.0,214.6)
249.8 (27.6)	76Se(239.0,520.6)	257.5 (4.2)	102Ru(174.0,136.1)
250.1 (5.3)	238U(12.0,133.8)	257.7 (8.3)	248Cm(1408.3,1622.9)
250.2 (7.0)	81Br(29.1,287.7)	257.8 (2.4)	241Am(186.4,154.6)
250.3 (2.5)	237Np(182.9,49.4)	258.3 (46.1)	186Os(427.1,400.8)
250.5 (5.3)	natSi(3539.1,4934.4)	258.3 (30.8)	148Nd(165.1,138.4)
250.5 (28.5)	102Ru(174.0,136.1)	258.3 (3.8)	232Th(3473.0,566.6)
250.7 (2.3)	193Ir(371.5,112.2)	258.6 (2.6)	178Hf(214.3,304.0)
250.8 (18.5)	150Sm(167.8,5281.1)	258.9 (3.2)	139La(5097.7,4842.7)
250.9 (41.9)	162Dy(351.1,421.9)	259.0 (4.5)	97Mo(787.4,722.7)
250.9 (17.0)	31P(3900.3,2154.2)	259.1 (8.3)	163Dy(688.4,754.8)
251.2 (2.9)	175Lu(71.5,225.4)	259.3 (2.2)	196Pt(5846.3,649.2)
251.2 (5.2)	241Am(186.4,154.6)	259.3 (15.4)	107Ag(79.1,206.6)
251.2 (13.4)	187Re(63.6,290.7)	259.3 (9.4)	27Al(7723.9,2960.0)
251.7 (3.2)	150Nd(189.1,57.7)	259.4 (10.5)	194Pt(211.4,98.9)
251.7 (2.2)	193Ir(371.5,112.2)	259.4 (10.7)	176Lu(150.4,138.6)
251.8 (35.4)	185Re(59.0,214.6)	259.9 (3.0)	193Ir(371.5,112.2)
252.0 (2.5)	193Ir(371.5,112.2)	260.1 (20.0)	161Dy(185.0,882.3)
252.1 (32.5)	104Ru(143.2,159.3)	260.3 (4.5)	162Dy(351.1,421.9)
252.1 (20.6)	27Al(7723.9,2960.0)	260.5 (12.7)	204Pb(2.3,6729.4)
252.1 (15.2)	165Dy(176.9,852.1)	260.7 (13.6)	165Dy(176.9,852.1)
252.2 (2.6)	99Tc(172.1,299.5)	260.7 (10.2)	197Au(214.8,6252.6)
252.3 (5.2)	193Ir(371.5,112.2)	260.9 (2.3)	185Re(59.0,214.6)
252.7 (12.3)	194Ir(300.3,175.2)	261.2 (5.1)	133Cs(11.2,116.4)
252.8 (3.7)	186Os(427.1,400.8)	261.3 (56.7)	197Au(214.8,6252.6)
252.8 (18.0)	123Sb(87.6,40.8)	261.3 (13.1)	185Re(59.0,214.6)
252.9 (36.5)	183W(111.2,903.3)	261.4 (3.1)	154Gd(86.5,105.3)
253.1 (15.5)	natN(5269.2,1884.8)	261.6 (3.3)	113In(311.6,287.7)
253.1 (45.6)	93Nb(99.4,255.9)	262.3 (10.7)	154Gd(86.5,105.3)
253.3 (31.4)	98Mo(97.6,351.0)	262.6 (4.9)	186Os(427.1,400.8)
253.4 (3.8)	186W(59.2,145.8)	262.7 (3.3)	175Lu(71.5,225.4)
253.7 (69.9)	74Ge(574.7,253.7)	262.7 (6.4)	193Ir(371.5,112.2)
254.2 (6.0)	192Os(5276.0,5583.3)	262.8 (4.3)	204Pb(2.3,6729.4)
254.2 (5.7)	59Co(58.9,229.7)	263.0 (3.4)	232Th(3473.0,566.6)
254.3 (2.7)	159Tb(75.1,63.7)	263.1 (2.2)	162Dy(351.1,421.9)
254.8 (6.8)	152Sm(127.3,35.8)	263.1 (2.1)	153Eu(68.2,0.9)
254.8 (16.5)	184Os(431.2,6588.0)	263.6 (10.7)	99Tc(172.1,299.5)
254.8 (3.8)	241Am(186.4,154.6)	263.7 (13.7)	175Lu(71.5,225.4)
254.9 (2.5)	93Nb(99.4,255.9)	263.9 (4.6)	234U(637.8,129.3)
255.0 (26.9)	185Re(59.0,214.6)	264.0 (2.7)	193Ir(371.5,112.2)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
264.1 (4.4)	71Ga (145.1, 192.0)	272.4 (28.0)	188Os (5414.9, 343.5)
264.1 (14.9)	98Mo (97.6, 351.0)	272.6 (19.6)	104Ru (143.2, 159.3)
264.4 (12.6)	81Br (29.1, 287.7)	272.8 (35.3)	190Os (5146.8, 527.5)
264.7 (2.0)	146Nd (314.7, 78.0)	272.8 (9.0)	184W (4573.6, 1181.6)
264.7 (37.3)	193Ir (371.5, 112.2)	272.9 (13.8)	173Yb (176.6, 1241.9)
264.9 (2.4)	63Cu (7916.3, 278.2)	273.0 (100.0)	115In (273.0, 85.6)
265.0 (4.5)	108Pd (113.4, 245.1)	273.0 (43.4)	186W (59.2, 145.8)
265.3 (4.3)	148Nd (165.1, 138.4)	273.4 (26.0)	165Dy (176.9, 852.1)
265.6 (7.2)	184W (4573.6, 1181.6)	274.0 (3.9)	121Sb (61.4, 78.1)
265.6 (29.0)	192Os (5276.0, 5583.3)	274.1 (27.1)	196Pt (5846.3, 649.2)
265.6 (10.5)	123Sb (87.6, 40.8)	274.3 (2.6)	55Mn (26.6, 7243.8)
265.7 (2.4)	248Cm (1408.3, 1622.9)	274.3 (11.8)	187Re (63.6, 290.7)
265.9 (14.0)	194Ir (300.3, 175.2)	274.5 (51.8)	241Am (186.4, 154.6)
266.1 (88.9)	205Tl (304.9, 266.1)	274.5 (8.1)	79Br (37.1, 245.2)
266.1 (2.7)	109Ag (198.7, 235.7)	274.9 (6.1)	100Mo (180.7, 237.6)
266.1 (6.8)	71Ga (145.1, 192.0)	275.1 (3.6)	230Th (185.7, 4284.9)
266.3 (9.3)	108Pd (113.4, 245.1)	275.2 (25.7)	190Os (5146.8, 527.5)
266.5 (3.0)	197Au (214.8, 6252.6)	275.2 (8.6)	150Sm (167.8, 5281.1)
266.5 (4.1)	162Dy (351.1, 421.9)	275.3 (6.4)	123Sb (87.6, 40.8)
267.1 (7.9)	92Zr (1426.8, 5312.2)	275.3 (26.8)	193Ir (371.5, 112.2)
267.2 (6.7)	248Cm (1408.3, 1622.9)	275.4 (3.7)	248Cm (1408.3, 1622.9)
267.2 (27.6)	109Ag (198.7, 235.7)	275.5 (8.2)	187Re (63.6, 290.7)
267.8 (9.4)	193Ir (371.5, 112.2)	275.7 (5.2)	159Tb (75.1, 63.7)
268.0 (5.5)	162Dy (351.1, 421.9)	275.9 (7.1)	188Os (5414.9, 343.5)
268.0 (3.5)	241Am (186.4, 154.6)	275.9 (2.6)	197Au (214.8, 6252.6)
268.2 (3.9)	152Eu (97.4, 103.2)	276.1 (15.4)	113In (311.6, 287.7)
268.3 (4.0)	127I (133.6, 27.4)	276.1 (52.1)	100Mo (180.7, 237.6)
268.4 (2.1)	136Xe (601.0, 3424.6)	276.3 (4.4)	123Sb (87.6, 40.8)
268.6 (2.0)	154Gd (86.5, 105.3)	276.3 (11.0)	108Pd (113.4, 245.1)
268.8 (21.2)	176Lu (150.4, 138.6)	276.4 (7.6)	71Ga (145.1, 192.0)
269.0 (7.6)	109Ag (198.7, 235.7)	276.4 (2.0)	186W (59.2, 145.8)
269.0 (2.7)	133Cs (11.2, 116.4)	276.6 (6.4)	99Tc (172.1, 299.5)
269.1 (55.1)	196Pt (5846.3, 649.2)	276.7 (24.5)	152Sm (127.3, 35.8)
269.2 (12.0)	152Sm (127.3, 35.8)	276.8 (5.4)	150Nd (189.1, 57.7)
269.4 (4.3)	123Sb (87.6, 40.8)	277.1 (29.1)	59Co (58.9, 229.7)
269.5 (2.1)	193Ir (371.5, 112.2)	277.1 (3.1)	197Au (214.8, 6252.6)
269.7 (6.3)	248Cm (1408.3, 1622.9)	277.5 (2.4)	193Ir (371.5, 112.2)
269.9 (7.6)	102Ru (174.0, 136.1)	277.5 (30.4)	163Dy (688.4, 754.8)
269.9 (6.3)	248Cm (1408.3, 1622.9)	277.5 (6.2)	157Gd (181.9, 79.5)
270.4 (31.4)	102Ru (174.0, 136.1)	277.5 (6.5)	232Th (3473.0, 566.6)
270.4 (100.0)	181Ta (270.4, 5965.0)	277.7 (3.7)	175Lu (71.5, 225.4)
270.5 (2.5)	93Nb (99.4, 255.9)	277.7 (6.3)	natMg (3916.7, 2828.1)
270.8 (4.1)	159Tb (75.1, 63.7)	277.8 (10.4)	186Os (427.1, 400.8)
271.1 (2.2)	197Au (214.8, 6252.6)	277.9 (7.2)	natN (5269.2, 1884.8)
271.2 (31.7)	55Mn (26.6, 7243.8)	278.0 (4.4)	100Mo (180.7, 237.6)
271.4 (23.2)	79Br (37.1, 245.2)	278.2 (3.0)	152Sm (127.3, 35.8)
271.5 (2.1)	185Re (59.0, 214.6)	278.2 (4.1)	232Th (3473.0, 566.6)
271.6 (9.0)	191Os (205.8, 374.5)	278.2 (8.9)	205Tl (304.9, 266.1)
271.7 (26.6)	193Ir (371.5, 112.2)	278.2 (72.5)	63Cu (7916.3, 278.2)
271.7 (2.0)	164Dy (184.3, 538.5)	278.3 (3.7)	184Os (431.2, 6588.0)
271.7 (2.4)	197Au (214.8, 6252.6)	278.3 (2.1)	127I (133.6, 27.4)
271.8 (3.1)	175Lu (71.5, 225.4)	278.4 (5.2)	81Br (29.1, 287.7)
272.2 (3.4)	230Th (185.7, 4284.9)	278.5 (84.1)	193Ir (371.5, 112.2)
272.3 (2.5)	121Sb (61.4, 78.1)	278.7 (30.8)	194Ir (300.3, 175.2)
272.3 (66.7)	139La (5097.7, 4842.7)	278.8 (2.0)	159Tb (75.1, 63.7)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
279.0(2.2)	159Tb(75.1,63.7)	288.2(5.0)	159Tb(75.1,63.7)
279.1(10.4)	170Er(197.9,904.0)	288.2(91.7)	139La(5097.7,4842.7)
279.9(7.8)	139La(5097.7,4842.7)	288.4(5.5)	193Ir(371.5,112.2)
280.1(53.1)	150Sm(167.8,5281.1)	288.5(2.5)	243Am(87.7,75.3)
280.2(8.1)	150Nd(189.1,57.7)	289.1(8.4)	165Ho(136.7,116.8)
280.2(2.6)	150Sm(167.8,5281.1)	289.5(5.6)	162Dy(351.1,421.9)
280.3(33.8)	100Mo(180.7,237.6)	289.6(6.1)	100Mo(180.7,237.6)
280.3(6.5)	104Ru(143.2,159.3)	289.9(9.2)	186W(59.2,145.8)
280.7(3.3)	45Sc(227.8,142.5)	290.3(29.0)	194Pt(211.4,98.9)
280.8(4.6)	248Cm(1408.3,1622.9)	290.5(2.4)	193Ir(371.5,112.2)
280.9(8.1)	122Te(158.9,439.9)	290.6(6.2)	165Ho(136.7,116.8)
281.0(41.7)	100Mo(180.7,237.6)	290.7(58.2)	187Re(63.6,290.7)
281.4(7.4)	232Th(3473.0,566.6)	290.8(6.4)	150Sm(167.8,5281.1)
281.4(6.8)	192Os(5276.0,5583.3)	290.9(3.3)	139La(5097.7,4842.7)
281.6(6.1)	76Se(239.0,520.6)	291.0(7.6)	115In(273.0,85.6)
281.7(5.2)	153Eu(68.2,0.9)	291.2(3.1)	168Yb(191.2,720.0)
282.0(2.1)	193Ir(371.5,112.2)	291.4(3.1)	243Am(87.7,75.3)
282.5(12.2)	230Th(185.7,4284.9)	291.4(20.3)	108Pd(113.4,245.1)
282.6(33.8)	121Sb(61.4,78.1)	291.5(11.4)	187Re(63.6,290.7)
282.6(2.0)	193Ir(371.5,112.2)	291.6(14.9)	197Au(214.8,6252.6)
282.9(20.0)	161Dy(185.0,882.3)	291.7(5.3)	190Os(5146.8,527.5)
283.3(28.0)	191Os(205.8,374.5)	292.0(3.7)	100Mo(180.7,237.6)
283.5(6.6)	70Ge(499.9,174.9)	292.4(48.1)	160Dy(6087.3,48.9)
283.5(3.9)	100Mo(180.7,237.6)	292.5(6.3)	191Os(205.8,374.5)
283.6(5.5)	139La(5097.7,4842.7)	292.6(2.5)	238U(12.0,133.8)
284.2(3.1)	159Tb(75.1,63.7)	292.8(11.3)	203Tl(139.9,319.3)
284.3(3.6)	226Ra(90.0,64.3)	292.8(10.7)	74Se(286.6,7734.1)
284.6(3.3)	187Re(63.6,290.7)	293.1(4.3)	241Am(186.4,154.6)
284.6(10.3)	175Lu(71.5,225.4)	293.2(22.1)	93Nb(99.4,255.9)
284.7(25.9)	167Er(184.3,6677.4)	293.3(2.0)	133Cs(11.2,116.4)
284.7(18.8)	72Ge(326.0,6390.2)	293.6(2.9)	115In(273.0,85.6)
284.9(13.1)	115In(273.0,85.6)	293.8(18.6)	100Mo(180.7,237.6)
285.1(4.3)	185Re(59.0,214.6)	294.3(5.6)	79Br(37.1,245.2)
285.1(37.0)	122Te(158.9,439.9)	294.4(69.6)	102Ru(174.0,136.1)
285.1(2.8)	193Ir(371.5,112.2)	294.4(3.5)	193Ir(371.5,112.2)
285.5(2.9)	148Nd(165.1,138.4)	294.5(2.2)	226Ra(90.0,64.3)
285.6(6.0)	194Pt(211.4,98.9)	294.5(19.3)	193Ir(371.5,112.2)
285.6(6.9)	162Dy(351.1,421.9)	294.6(17.9)	107Ag(79.1,206.6)
285.9(6.2)	154Sm(4987.1,4876.3)	294.6(21.7)	163Dy(688.4,754.8)
286.5(15.5)	160Dy(6087.3,48.9)	294.6(40.1)	100Mo(180.7,237.6)
286.5(53.2)	194Ir(300.3,175.2)	294.8(2.8)	141Pr(176.9,140.9)
286.5(4.4)	121Sb(61.4,78.1)	295.0(5.2)	183W(111.2,903.3)
286.6(100.0)	74Se(286.6,7734.1)	295.0(10.8)	51V(22.8,125.1)
286.6(2.7)	129I(6408.4,5821.7)	295.0(5.4)	190Os(5146.8,527.5)
287.0(6.0)	154Gd(86.5,105.3)	295.1(3.3)	161Dy(185.0,882.3)
287.0(100.0)	58Fe(287.0,6293.6)	295.2(60.8)	45Sc(227.8,142.5)
287.3(3.8)	102Ru(174.0,136.1)	295.4(2.3)	133Cs(11.2,116.4)
287.5(2.9)	243Am(87.7,75.3)	295.5(8.8)	115In(273.0,85.6)
287.7(86.7)	113In(311.6,287.7)	295.7(3.8)	192Os(5276.0,5583.3)
287.7(91.8)	81Br(29.1,287.7)	295.8(2.3)	159Tb(75.1,63.7)
287.8(3.7)	194Pt(211.4,98.9)	295.9(100.0)	130Te(295.9,3346.9)
287.9(2.8)	100Mo(180.7,237.6)	296.4(6.6)	241Am(186.4,154.6)
288.0(4.4)	152Eu(97.4,103.2)	296.5(15.8)	188Os(5414.9,343.5)
288.0(23.0)	173Yb(176.6,1241.9)	296.5(9.5)	155Gd(199.2,89.0)
288.0(8.2)	123Sb(87.6,40.8)	296.7(4.1)	150Nd(189.1,57.7)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
296.8(5.7)	243Am(87.7,75.3)	305.8(2.2)	146Nd(314.7,78.0)
297.1(2.2)	232Th(3473.0,566.6)	306.1(6.3)	186Os(427.1,400.8)
297.1(24.0)	181Ta(270.4,5965.0)	306.1(2.8)	71Ga(145.1,192.0)
297.2(17.0)	76Se(239.0,520.6)	306.2(8.5)	70Ge(499.9,174.9)
297.2(52.1)	72Ge(326.0,6390.2)	306.2(3.2)	150Nd(189.1,57.7)
297.7(6.0)	237Np(182.9,49.4)	306.8(9.2)	104Ru(143.2,159.3)
298.1(5.8)	150Nd(189.1,57.7)	306.8(4.9)	150Sm(167.8,5281.1)
298.2(4.2)	108Pd(113.4,245.1)	306.9(25.8)	113In(311.6,287.7)
298.5(14.2)	186Os(427.1,400.8)	307.1(9.1)	230Th(185.7,4284.9)
298.7(28.9)	115In(273.0,85.6)	307.1(5.5)	192Os(5276.0,5583.3)
298.9(2.0)	193Ir(371.5,112.2)	307.2(14.1)	152Sm(127.3,35.8)
299.1(3.7)	194Pt(211.4,98.9)	307.3(17.1)	133Cs(11.2,116.4)
299.3(17.8)	196Pt(5846.3,649.2)	307.4(15.9)	194Ir(300.3,175.2)
299.4(2.3)	175Lu(71.5,225.4)	307.5(4.0)	243Am(87.7,75.3)
299.5(23.6)	99Tc(172.1,299.5)	307.5(6.4)	197Au(214.8,6252.6)
299.6(2.1)	193Ir(371.5,112.2)	307.6(6.0)	185Re(59.0,214.6)
299.7(3.5)	74Ge(574.7,253.7)	308.1(2.1)	159Tb(75.1,63.7)
299.8(2.1)	193Ir(371.5,112.2)	308.2(6.2)	70Ge(499.9,174.9)
299.8(30.4)	186Os(427.1,400.8)	308.5(47.4)	194Ir(300.3,175.2)
299.9(5.5)	79Br(37.1,245.2)	308.7(30.5)	194Ir(300.3,175.2)
300.1(10.3)	107Ag(79.1,206.6)	309.0(27.0)	193Ir(371.5,112.2)
300.2(7.7)	184Os(431.2,6588.0)	309.0(6.8)	100Mo(180.7,237.6)
300.2(11.8)	187Re(63.6,290.7)	309.0(7.3)	150Nd(189.1,57.7)
300.3(100.0)	194Ir(300.3,175.2)	309.0(32.1)	150Sm(167.8,5281.1)
300.8(23.2)	194Pt(211.4,98.9)	309.1(6.7)	163Dy(688.4,754.8)
300.9(5.5)	104Ru(143.2,159.3)	309.5(2.0)	193Ir(371.5,112.2)
300.9(4.3)	99Tc(172.1,299.5)	309.5(2.6)	104Ru(143.2,159.3)
301.1(3.6)	176Lu(150.4,138.6)	309.8(2.9)	133Cs(11.2,116.4)
301.6(2.1)	104Ru(143.2,159.3)	309.8(7.2)	129I(6408.4,5821.7)
301.7(2.2)	230Th(185.7,4284.9)	309.9(22.9)	93Nb(99.4,255.9)
301.9(2.1)	193Ir(371.5,112.2)	310.1(2.6)	139La(5097.7,4842.7)
301.9(11.8)	127I(133.6,27.4)	310.2(29.0)	175Lu(71.5,225.4)
302.1(2.4)	99Ru(539.7,687.0)	310.2(32.8)	64Ni(6034.8,310.2)
302.2(15.6)	194Ir(300.3,175.2)	310.3(2.8)	226Ra(90.0,64.3)
302.6(4.4)	248Cm(1408.3,1622.9)	310.3(2.5)	146Nd(314.7,78.0)
302.6(10.4)	71Ga(145.1,192.0)	310.5(5.7)	159Tb(75.1,63.7)
302.7(3.6)	152Eu(97.4,103.2)	310.5(4.3)	150Sm(167.8,5281.1)
302.7(2.2)	150Sm(167.8,5281.1)	310.5(5.5)	176Yb(104.5,151.6)
302.7(3.1)	193Ir(371.5,112.2)	310.5(2.4)	113In(311.6,287.7)
302.7(2.4)	159Tb(75.1,63.7)	310.6(12.8)	193Ir(371.5,112.2)
303.3(8.1)	186W(59.2,145.8)	311.2(3.1)	161Dy(185.0,882.3)
303.8(2.7)	76Se(239.0,520.6)	311.2(2.1)	100Mo(180.7,237.6)
304.0(18.3)	178Hf(214.3,304.0)	311.3(2.8)	174Yb(514.9,5266.7)
304.3(3.8)	190Os(5146.8,527.5)	311.4(5.8)	162Dy(351.1,421.9)
304.5(2.2)	190Os(5146.8,527.5)	311.5(7.7)	193Ir(371.5,112.2)
304.6(9.5)	165Ho(136.7,116.8)	311.6(100.0)	113In(311.6,287.7)
304.7(6.5)	193Ir(371.5,112.2)	311.7(6.9)	197Au(214.8,6252.6)
304.8(2.3)	139La(5097.7,4842.7)	312.1(2.7)	248Cm(1408.3,1622.9)
304.9(100.0)	205Tl(304.9,266.1)	312.7(2.9)	113In(311.6,287.7)
305.0(2.0)	190Os(5146.8,527.5)	312.8(2.5)	241Am(186.4,154.6)
305.0(4.0)	190Os(5146.8,527.5)	313.1(2.0)	148Nd(165.1,138.4)
305.0(3.1)	104Ru(143.2,159.3)	313.3(2.4)	176Lu(150.4,138.6)
305.1(2.9)	115In(273.0,85.6)	313.3(4.9)	150Nd(189.1,57.7)
305.5(67.9)	100Mo(180.7,237.6)	313.4(3.3)	194Pt(211.4,98.9)
305.7(2.6)	193Ir(371.5,112.2)	313.5(3.6)	152Sm(127.3,35.8)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
313.8(19.6)	186Os(427.1,400.8)	319.4(3.3)	185Re(59.0,214.6)
313.8(4.3)	232Th(3473.0,566.6)	319.5(6.7)	243Am(87.7,75.3)
313.8(4.0)	71Ga(145.1,192.0)	319.5(5.3)	173Yb(176.6,1241.9)
314.0(7.2)	123Sb(87.6,40.8)	319.7(7.5)	160Dy(6087.3,48.9)
314.1(12.6)	193Ir(371.5,112.2)	319.7(100.0)	209Bi(319.7,162.2)
314.1(2.6)	184Os(431.2,6588.0)	319.8(7.3)	194Pt(211.4,98.9)
314.2(3.4)	248Cm(1408.3,1622.9)	319.9(4.2)	193Ir(371.5,112.2)
314.2(30.8)	194Ir(300.3,175.2)	319.9(5.6)	159Tb(75.1,63.7)
314.4(2.8)	127I(133.6,27.4)	320.1(11.0)	50V(1609.2,1776.6)
314.4(4.1)	243Am(87.7,75.3)	320.2(9.4)	108Pd(113.4,245.1)
314.4(52.2)	55Mn(26.6,7243.8)	320.8(2.4)	232Th(3473.0,566.6)
314.7(100.0)	146Nd(314.7,78.0)	320.8(7.9)	194Pt(211.4,98.9)
314.7(3.8)	197Au(214.8,6252.6)	320.9(4.5)	115In(273.0,85.6)
314.8(2.5)	104Ru(143.2,159.3)	321.1(4.7)	150Nd(189.1,57.7)
314.9(3.5)	102Ru(174.0,136.1)	321.1(6.4)	148Nd(165.1,138.4)
315.0(21.0)	79Br(37.1,245.2)	321.1(40.0)	152Sm(127.3,35.8)
315.0(2.7)	190Os(5146.8,527.5)	321.3(6.0)	166Er(207.8,798.8)
315.0(2.1)	115In(273.0,85.6)	321.5(53.4)	104Ru(143.2,159.3)
315.5(2.5)	79Br(37.1,245.2)	321.8(3.6)	226Ra(90.0,64.3)
315.7(10.0)	65Cu(186.0,465.2)	321.9(2.4)	161Dy(185.0,882.3)
315.8(7.9)	81Br(29.1,287.7)	322.1(16.1)	123Sb(87.6,40.8)
315.8(2.8)	71Ga(145.1,192.0)	322.3(4.7)	113In(311.6,287.7)
315.9(2.1)	159Tb(75.1,63.7)	322.4(5.5)	104Ru(143.2,159.3)
315.9(37.0)	182Ta(459.1,315.9)	322.5(6.9)	241Am(186.4,154.6)
315.9(11.8)	186Os(427.1,400.8)	322.7(10.0)	184Os(431.2,6588.0)
316.2(4.1)	148Nd(165.1,138.4)	322.8(3.2)	180Hf(5695.9,5649.7)
316.3(25.7)	162Dy(351.1,421.9)	323.0(9.1)	187Os(155.0,633.1)
316.3(3.1)	248Cm(1408.3,1622.9)	323.1(2.6)	85Rb(557.0,488.0)
316.4(2.9)	193Ir(371.5,112.2)	323.6(23.5)	188Os(5414.9,343.5)
316.4(7.4)	234U(637.8,129.3)	323.7(6.8)	198Au(493.8,317.1)
316.5(4.3)	190Os(5146.8,527.5)	323.9(2.9)	234U(637.8,129.3)
316.5(49.2)	185Re(59.0,214.6)	324.0(4.0)	150Sm(167.8,5281.1)
316.6(2.2)	226Ra(90.0,64.3)	324.0(2.8)	54Cr(6246.4,241.9)
316.6(18.2)	232Th(3473.0,566.6)	324.3(8.6)	193Ir(371.5,112.2)
316.8(5.7)	146Nd(314.7,78.0)	324.5(2.8)	241Am(186.4,154.6)
316.9(3.4)	81Br(29.1,287.7)	325.0(14.0)	193Ir(371.5,112.2)
316.9(6.3)	72Ge(326.0,6390.2)	325.3(41.1)	108Pd(113.4,245.1)
316.9(11.9)	74Ge(574.7,253.7)	325.3(8.9)	31P(3900.3,2154.2)
317.1(97.8)	198Au(493.8,317.1)	325.4(9.0)	194Pt(211.4,98.9)
317.1(3.8)	193Ir(371.5,112.2)	325.6(8.5)	177Hf(6112.4,5807.8)
317.2(7.0)	243Am(87.7,75.3)	326.0(10.0)	natN(5269.2,1884.8)
317.6(4.6)	159Tb(75.1,63.7)	326.0(36.0)	70Ge(499.9,174.9)
317.8(2.1)	152Sm(127.3,35.8)	326.0(100.0)	72Ge(326.0,6390.2)
317.9(4.0)	150Nd(189.1,57.7)	326.3(8.5)	195Pt(355.7,333.0)
318.0(10.2)	183W(111.2,903.3)	326.6(4.5)	natMg(3916.7,2828.1)
318.1(4.5)	162Dy(351.1,421.9)	326.9(16.5)	108Pd(113.4,245.1)
318.4(2.1)	187Re(63.6,290.7)	327.0(2.1)	161Dy(185.0,882.3)
318.4(24.0)	69Ga(508.4,691.0)	327.5(4.6)	232Th(3473.0,566.6)
318.6(3.1)	243Am(87.7,75.3)	328.2(2.7)	165Ho(136.7,116.8)
319.0(22.4)	176Lu(150.4,138.6)	328.3(21.3)	197Au(214.8,6252.6)
319.1(34.3)	232Th(3473.0,566.6)	328.4(6.0)	176Yb(104.5,151.6)
319.2(2.5)	153Eu(68.2,0.9)	328.5(2.8)	194Pt(211.4,98.9)
319.3(35.6)	203Tl(139.9,319.3)	328.5(5.4)	241Am(186.4,154.6)
319.3(8.2)	194Pt(211.4,98.9)	328.8(5.8)	146Nd(314.7,78.0)
319.4(2.4)	193Ir(371.5,112.2)	329.0(10.5)	136Ce(434.0,514.2)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
329.2 (4.1)	93Nb (99.4, 255.9)	336.9 (3.2)	natN (5269.2, 1884.8)
329.2 (6.0)	107Ag (79.1, 206.6)	337.3 (2.2)	197Au (214.8, 6252.6)
329.3 (7.9)	191Os (205.8, 374.5)	337.5 (5.0)	176Hf (508.6, 112.9)
329.3 (2.1)	193Ir (371.5, 112.2)	337.5 (20.1)	93Nb (99.4, 255.9)
329.4 (2.9)	152Sm (127.3, 35.8)	337.5 (29.0)	193Ir (371.5, 112.2)
329.4 (5.4)	150Nd (189.1, 57.7)	337.7 (7.6)	115In (273.0, 85.6)
329.5 (35.9)	122Te (158.9, 439.9)	338.2 (2.4)	193Ir (371.5, 112.2)
329.5 (2.1)	193Ir (371.5, 112.2)	338.2 (4.5)	187Re (63.6, 290.7)
329.7 (2.5)	190Os (5146.8, 527.5)	338.3 (6.3)	123Sb (87.6, 40.8)
329.8 (2.3)	81Br (29.1, 287.7)	338.5 (2.3)	243Am (87.7, 75.3)
329.9 (9.6)	232Th (3473.0, 566.6)	338.5 (2.7)	175Lu (71.5, 225.4)
329.9 (3.8)	100Mo (180.7, 237.6)	338.5 (13.4)	162Dy (351.1, 421.9)
330.2 (51.1)	205Tl (304.9, 266.1)	339.0 (5.1)	99Tc (172.1, 299.5)
330.4 (8.0)	193Ir (371.5, 112.2)	339.2 (3.6)	190Os (5146.8, 527.5)
330.5 (4.0)	175Lu (71.5, 225.4)	339.2 (2.1)	248Cm (1408.3, 1622.9)
330.6 (3.9)	121Sb (61.4, 78.1)	339.4 (14.2)	58Ni (8998.4, 8533.4)
331.0 (2.7)	243Am (87.7, 75.3)	339.5 (13.4)	159Tb (75.1, 63.7)
331.1 (2.9)	164Dy (184.3, 538.5)	339.5 (5.0)	176Hf (508.6, 112.9)
331.2 (2.4)	76Se (239.0, 520.6)	339.5 (38.4)	108Pd (113.4, 245.1)
331.3 (5.7)	70Ge (499.9, 174.9)	339.7 (5.3)	190Os (5146.8, 527.5)
331.3 (12.9)	232Th (3473.0, 566.6)	339.9 (4.2)	81Br (29.1, 287.7)
331.5 (22.6)	123Sb (87.6, 40.8)	340.0 (5.9)	248Cm (1408.3, 1622.9)
331.6 (3.1)	104Ru (143.2, 159.3)	340.1 (24.7)	150Sm (167.8, 5281.1)
332.1 (2.5)	natK (770.3, 2073.6)	340.3 (37.5)	113In (311.6, 287.7)
332.1 (6.9)	237Np (182.9, 49.4)	340.4 (5.3)	248Cm (1408.3, 1622.9)
332.3 (8.3)	121Sb (61.4, 78.1)	340.4 (8.3)	226Ra (90.0, 64.3)
332.7 (6.8)	190Os (5146.8, 527.5)	340.7 (2.7)	154Gd (86.5, 105.3)
332.7 (9.7)	241Am (186.4, 154.6)	340.8 (2.6)	159Tb (75.1, 63.7)
332.8 (12.9)	234U (637.8, 129.3)	340.8 (36.2)	193Ir (371.5, 112.2)
332.9 (38.3)	148Nd (165.1, 138.4)	341.0 (3.3)	55Mn (26.6, 7243.8)
333.0 (41.1)	195Pt (355.7, 333.0)	341.2 (9.6)	243Am (87.7, 75.3)
333.3 (2.1)	104Ru (143.2, 159.3)	341.3 (17.0)	86Kr (1475.9, 3392.6)
333.4 (2.4)	193Ir (371.5, 112.2)	341.3 (2.6)	160Dy (6087.3, 48.9)
333.6 (5.8)	165Ho (136.7, 116.8)	341.4 (2.0)	185Re (59.0, 214.6)
333.7 (6.1)	160Dy (6087.3, 48.9)	341.5 (10.6)	234U (637.8, 129.3)
333.9 (4.3)	104Ru (143.2, 159.3)	341.6 (7.5)	141Pr (176.9, 140.9)
333.9 (100.0)	149Sm (333.9, 439.4)	341.7 (3.0)	166Er (207.8, 798.8)
334.0 (21.6)	108Pd (113.4, 245.1)	341.7 (2.0)	175Lu (71.5, 225.4)
334.1 (13.8)	161Dy (185.0, 882.3)	341.7 (29.0)	48Ti (1381.7, 6760.1)
334.1 (2.1)	141Pr (176.9, 140.9)	341.7 (2.9)	159Tb (75.1, 63.7)
335.0 (8.7)	123Sb (87.6, 40.8)	341.7 (2.8)	193Ir (371.5, 112.2)
335.1 (4.7)	193Ir (371.5, 112.2)	341.9 (3.3)	193Ir (371.5, 112.2)
335.3 (2.0)	100Mo (180.7, 237.6)	342.2 (3.0)	193Ir (371.5, 112.2)
335.3 (10.7)	194Ir (300.3, 175.2)	342.5 (4.6)	193Ir (371.5, 112.2)
335.5 (27.4)	241Am (186.4, 154.6)	342.6 (3.0)	174Hf (125.7, 5842.2)
335.5 (28.9)	115In (273.0, 85.6)	342.9 (16.9)	194Ir (300.3, 175.2)
335.5 (4.7)	55Mn (26.6, 7243.8)	342.9 (4.4)	184Os (431.2, 6588.0)
335.6 (2.3)	165Ho (136.7, 116.8)	343.0 (3.1)	248Cm (1408.3, 1622.9)
335.7 (60.5)	146Nd (314.7, 78.0)	343.2 (2.5)	248Cm (1408.3, 1622.9)
335.8 (2.1)	92Zr (1426.8, 5312.2)	343.3 (7.9)	102Ru (174.0, 136.1)
335.8 (25.7)	175Lu (71.5, 225.4)	343.3 (2.7)	164Dy (184.3, 538.5)
335.9 (36.9)	232Th (3473.0, 566.6)	343.4 (6.3)	79Br (37.1, 245.2)
336.0 (2.1)	184Os (431.2, 6588.0)	343.4 (10.2)	197Au (214.8, 6252.6)
336.5 (4.8)	31P (3900.3, 2154.2)	343.5 (69.8)	188Os (5414.9, 343.5)
336.6 (7.1)	108Pd (113.4, 245.1)	343.7 (15.2)	160Dy (6087.3, 48.9)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
343.9 (17.8)	63Cu(7916.3,278.2)	351.1(100.0)	162Dy(351.1,421.9)
344.4 (8.5)	176Yb(104.5,151.6)	351.6 (16.1)	123Sb(87.6,40.8)
344.5 (14.7)	186Os(427.1,400.8)	351.6 (18.3)	100Mo(180.7,237.6)
344.8 (5.4)	127I(133.6,27.4)	352.1 (2.3)	187Re(63.6,290.7)
344.9 (2.5)	99Tc(172.1,299.5)	352.4 (32.8)	56Fe(7631.2,7645.6)
345.0 (2.1)	150Sm(167.8,5281.1)	352.5 (7.4)	190Os(5146.8,527.5)
345.0 (10.0)	234U(637.8,129.3)	352.5 (6.3)	159Tb(75.1,63.7)
345.0 (48.1)	81Br(29.1,287.7)	352.7 (2.4)	144Nd(852.8,4836.9)
345.2 (3.7)	193Ir(371.5,112.2)	352.8 (3.2)	104Ru(143.2,159.3)
345.4 (4.7)	159Tb(75.1,63.7)	353.4 (3.1)	150Sm(167.8,5281.1)
345.4 (5.9)	162Dy(351.1,421.9)	353.7 (3.7)	123Te(602.4,722.4)
345.7 (5.2)	190Os(5146.8,527.5)	353.7 (2.1)	243Am(87.7,75.3)
346.1 (3.0)	154Gd(86.5,105.3)	353.8 (2.0)	248Cm(1408.3,1622.9)
346.2 (6.5)	122Te(158.9,439.9)	353.8 (19.6)	190Os(5146.8,527.5)
346.2 (31.9)	102Ru(174.0,136.1)	354.0 (24.3)	193Ir(371.5,112.2)
346.4 (2.0)	176Lu(150.4,138.6)	354.1 (29.8)	136Ce(434.0,514.2)
346.5 (3.7)	181Ta(270.4,5965.0)	354.1 (7.4)	185Re(59.0,214.6)
346.5 (40.2)	166Er(207.8,798.8)	354.1 (3.4)	55Mn(26.6,7243.8)
346.7 (3.4)	193Ir(371.5,112.2)	354.2 (26.6)	162Dy(351.1,421.9)
346.7 (5.8)	197Au(214.8,6252.6)	354.3 (2.5)	193Ir(371.5,112.2)
346.8 (30.9)	188Os(5414.9,343.5)	354.3 (17.3)	232Th(3473.0,566.6)
346.9 (3.8)	241Am(186.4,154.6)	354.3 (2.0)	164Dy(184.3,538.5)
347.0 (2.7)	81Br(29.1,287.7)	354.5 (2.6)	159Tb(75.1,63.7)
347.1 (4.2)	193Ir(371.5,112.2)	354.8 (15.3)	152Sm(127.3,35.8)
347.2 (4.2)	162Dy(351.1,421.9)	354.8 (5.2)	186W(59.2,145.8)
347.2 (2.7)	193Ir(371.5,112.2)	355.1 (3.8)	86Sr(484.8,8039.2)
347.3 (6.4)	226Ra(90.0,64.3)	355.3 (3.8)	197Au(214.8,6252.6)
347.4 (4.9)	194Ir(300.3,175.2)	355.4 (2.3)	93Nb(99.4,255.9)
347.5 (2.2)	190Os(5146.8,527.5)	355.4 (8.2)	186Os(427.1,400.8)
347.9 (15.2)	162Dy(351.1,421.9)	355.6 (2.1)	185Re(59.0,214.6)
347.9 (27.5)	203Tl(139.9,319.3)	355.7 (5.1)	190Os(5146.8,527.5)
348.0 (3.8)	176Lu(150.4,138.6)	355.7(100.0)	195Pt(355.7,333.0)
348.3 (27.5)	203Tl(139.9,319.3)	356.2 (2.6)	133Cs(11.2,116.4)
348.7 (8.3)	natAr(167.3,4745.0)	356.2 (4.7)	159Tb(75.1,63.7)
348.7 (5.5)	44Ca(174.3,5515.0)	356.3 (3.7)	133Cs(11.2,116.4)
348.7 (10.8)	186Os(427.1,400.8)	356.4 (6.6)	194Pt(211.4,98.9)
348.7 (3.7)	248Cm(1408.3,1622.9)	356.4 (2.4)	155Gd(199.2,89.0)
348.8 (3.9)	226Ra(90.0,64.3)	356.7 (3.1)	81Br(29.1,287.7)
348.9 (2.9)	159Tb(75.1,63.7)	357.4 (9.0)	176Hf(508.6,112.9)
349.0 (5.0)	176Hf(508.6,112.9)	357.7 (2.9)	248Cm(1408.3,1622.9)
349.1 (8.4)	190Os(5146.8,527.5)	357.7 (10.3)	159Tb(75.1,63.7)
349.2 (4.0)	150Sm(167.8,5281.1)	357.8 (2.6)	193Ir(371.5,112.2)
349.2 (8.9)	164Dy(184.3,538.5)	357.9 (8.6)	104Ru(143.2,159.3)
349.6 (2.7)	248Cm(1408.3,1622.9)	358.4 (3.9)	100Mo(180.7,237.6)
349.8 (3.4)	248Cm(1408.3,1622.9)	358.5 (3.1)	104Ru(143.2,159.3)
349.9 (5.7)	150Sm(167.8,5281.1)	358.7 (2.9)	108Pd(113.4,245.1)
350.1 (5.2)	70Ge(499.9,174.9)	358.8 (2.7)	187Re(63.6,290.7)
350.1 (2.5)	154Sm(4987.1,4876.3)	359.0 (9.7)	102Ru(174.0,136.1)
350.2 (2.4)	152Sm(127.3,35.8)	359.0 (4.7)	170Er(197.9,904.0)
350.3 (79.1)	natNe(2035.4,350.3)	359.2 (3.7)	190Os(5146.8,527.5)
350.4 (2.5)	81Br(29.1,287.7)	359.4 (23.1)	108Pd(113.4,245.1)
350.6 (12.3)	197Au(214.8,6252.6)	359.4 (27.9)	194Ir(300.3,175.2)
350.9 (7.9)	150Sm(167.8,5281.1)	359.5 (6.8)	109Ag(198.7,235.7)
351.0 (45.7)	98Mo(97.6,351.0)	359.7 (3.2)	193Ir(371.5,112.2)
351.1 (6.7)	159Tb(75.1,63.7)	359.9 (3.9)	175Lu(71.5,225.4)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
360.4 (13.4)	193Ir(371.5,112.2)	369.1 (3.8)	natN(5269.2,1884.8)
360.4 (7.5)	185Re(59.0,214.6)	369.3 (2.4)	162Dy(351.1,421.9)
360.5 (6.9)	181Ta(270.4,5965.0)	369.3 (31.1)	205Tl(304.9,266.1)
360.6 (2.9)	141Pr(176.9,140.9)	369.6 (2.5)	81Br(29.1,287.7)
360.6 (6.8)	109Ag(198.7,235.7)	369.6 (4.5)	152Sm(127.3,35.8)
360.9 (5.4)	193Ir(371.5,112.2)	369.7 (17.5)	226Ra(90.0,64.3)
361.1 (21.7)	189Os(186.7,558.0)	369.8 (3.7)	100Mo(180.7,237.6)
361.4 (2.8)	193Ir(371.5,112.2)	370.5 (3.1)	193Ir(371.5,112.2)
361.7 (3.2)	159Tb(75.1,63.7)	370.9 (5.4)	197Au(214.8,6252.6)
361.8 (7.4)	85Rb(557.0,488.0)	371.3 (26.1)	189Os(186.7,558.0)
361.8 (2.2)	232Th(3473.0,566.6)	371.3 (2.0)	234U(637.8,129.3)
362.0 (2.9)	69Ga(508.4,691.0)	371.5 (2.4)	196Pt(5846.3,649.2)
362.1 (3.4)	62Ni(6838.2,155.5)	371.5 (3.6)	31P(3900.3,2154.2)
362.3 (12.3)	152Sm(127.3,35.8)	371.5(100.0)	193Ir(371.5,112.2)
362.6 (5.6)	190Os(5146.8,527.5)	371.5 (8.1)	162Dy(351.1,421.9)
362.7 (8.5)	187Re(63.6,290.7)	371.8 (10.9)	165Ho(136.7,116.8)
363.5 (2.9)	185Re(59.0,214.6)	371.9 (2.2)	241Am(186.4,154.6)
363.8 (4.1)	159Tb(75.1,63.7)	372.2 (3.6)	230Th(185.7,4284.9)
363.9 (8.5)	176Yb(104.5,151.6)	372.5 (2.1)	193Ir(371.5,112.2)
364.0 (8.5)	174Yb(514.9,5266.7)	373.0 (2.4)	159Tb(75.1,63.7)
364.0 (4.4)	154Gd(86.5,105.3)	373.0 (2.4)	159Tb(75.1,63.7)
364.3 (3.1)	193Ir(371.5,112.2)	373.5 (2.7)	194Pt(211.4,98.9)
364.5 (6.7)	130Te(295.9,3346.9)	373.7 (2.0)	234U(637.8,129.3)
364.5 (2.4)	193Ir(371.5,112.2)	373.8 (3.2)	193Ir(371.5,112.2)
364.6 (4.3)	176Lu(150.4,138.6)	373.9 (2.5)	248Cm(1408.3,1622.9)
364.9 (5.8)	190Os(5146.8,527.5)	373.9 (4.6)	102Ru(174.0,136.1)
364.9 (4.5)	193Ir(371.5,112.2)	374.1 (8.8)	69Ga(508.4,691.0)
365.0 (2.0)	100Mo(180.7,237.6)	374.1 (5.4)	81Br(29.1,287.7)
365.0 (2.1)	102Ru(174.0,136.1)	374.2 (2.9)	127I(133.6,27.4)
365.1 (2.2)	232Th(3473.0,566.6)	374.5 (2.0)	127I(133.6,27.4)
365.4 (2.2)	70Ge(499.9,174.9)	374.5 (55.0)	191Os(205.8,374.5)
366.0 (26.9)	148Nd(165.1,138.4)	374.7 (3.8)	159Tb(75.1,63.7)
366.0 (4.0)	243Am(87.7,75.3)	375.0 (28.6)	234U(637.8,129.3)
366.2 (18.2)	190Os(5146.8,527.5)	375.2 (4.6)	55Mn(26.6,7243.8)
366.3 (2.1)	150Sm(167.8,5281.1)	375.5 (6.0)	187Re(63.6,290.7)
366.4 (4.3)	241Am(186.4,154.6)	375.8 (2.4)	243Am(87.7,75.3)
366.5 (3.8)	173Yb(176.6,1241.9)	376.0 (8.1)	115In(273.0,85.6)
366.6 (14.0)	79Br(37.1,245.2)	376.1 (4.0)	234U(637.8,129.3)
366.6 (2.4)	232Th(3473.0,566.6)	376.2 (4.5)	159Tb(75.1,63.7)
366.7 (3.7)	248Cm(1408.3,1622.9)	376.4 (4.2)	71Ga(145.1,192.0)
366.8 (5.8)	56Fe(7631.2,7645.6)	376.6 (8.5)	241Am(186.4,154.6)
367.0 (4.6)	146Nd(314.7,78.0)	376.6 (7.1)	186W(59.2,145.8)
367.1 (3.1)	234U(637.8,129.3)	376.8 (5.5)	184Os(431.2,6588.0)
367.2 (3.3)	193Ir(371.5,112.2)	376.9 (2.1)	63Cu(7916.3,278.2)
367.2 (3.3)	154Gd(86.5,105.3)	377.2 (4.6)	181Ta(270.4,5965.0)
367.4 (5.0)	176Hf(508.6,112.9)	377.3 (3.4)	133Cs(11.2,116.4)
367.4 (15.2)	176Lu(150.4,138.6)	377.4 (2.3)	193Ir(371.5,112.2)
367.7 (2.6)	83Kr(881.7,1213.4)	377.4 (4.5)	74Se(286.6,7734.1)
367.9 (3.1)	154Gd(86.5,105.3)	377.5 (2.1)	193Ir(371.5,112.2)
367.9(100.0)	199Hg(367.9,5967.4)	378.0 (4.3)	113In(311.6,287.7)
368.1 (2.5)	226Ra(90.0,64.3)	378.1 (2.2)	197Au(214.8,6252.6)
368.7 (14.6)	194Pt(211.4,98.9)	378.1 (4.7)	194Pt(211.4,98.9)
368.7 (13.2)	241Am(186.4,154.6)	378.1 (5.8)	121Sb(61.4,78.1)
368.8 (2.3)	168Er(64.6,4908.8)	378.2 (2.2)	193Ir(371.5,112.2)
368.9 (4.3)	230Th(185.7,4284.9)	378.2 (8.2)	108Pd(113.4,245.1)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
378.4 (11.2)	102Ru(174.0,136.1)	386.2 (2.6)	187Re(63.6,290.7)
378.4 (12.7)	185Re(59.0,214.6)	386.5 (10.5)	162Dy(351.1,421.9)
378.6 (3.3)	193Ir(371.5,112.2)	386.6 (28.6)	194Ir(300.3,175.2)
378.6 (15.2)	168Yb(191.2,720.0)	386.7 (5.0)	193Ir(371.5,112.2)
378.7 (5.9)	159Tb(75.1,63.7)	386.9 (2.1)	133Cs(11.2,116.4)
378.7 (6.9)	226Ra(90.0,64.3)	388.1 (2.6)	194Pt(211.4,98.9)
378.8 (2.9)	234U(637.8,129.3)	388.5 (7.1)	102Ru(174.0,136.1)
378.9 (3.8)	150Sm(167.8,5281.1)	388.6 (4.2)	100Mo(180.7,237.6)
379.2 (19.0)	191Os(205.8,374.5)	388.8 (13.9)	146Nd(314.7,78.0)
379.5 (4.6)	194Pt(211.4,98.9)	388.9 (2.0)	193Ir(371.5,112.2)
379.6 (3.0)	115In(273.0,85.6)	389.1 (4.7)	193Ir(371.5,112.2)
379.7 (4.0)	98Mo(97.6,351.0)	389.2 (3.8)	193Ir(371.5,112.2)
379.9 (2.6)	150Sm(167.8,5281.1)	389.2 (4.0)	139La(5097.7,4842.7)
380.0 (2.7)	164Dy(184.3,538.5)	389.2 (3.0)	79Br(37.1,245.2)
380.1 (2.1)	109Ag(198.7,235.7)	389.3 (3.4)	193Ir(371.5,112.2)
380.2 (54.9)	234U(637.8,129.3)	389.5 (2.0)	187Re(63.6,290.7)
380.3 (4.1)	102Ru(174.0,136.1)	389.7 (3.2)	193Ir(371.5,112.2)
380.3 (3.3)	193Ir(371.5,112.2)	389.7 (68.6)	162Dy(351.1,421.9)
380.6 (4.8)	86Sr(484.8,8039.2)	389.8 (30.9)	194Pt(211.4,98.9)
381.0 (40.4)	197Au(214.8,6252.6)	389.9 (3.4)	146Nd(314.7,78.0)
381.2 (8.9)	109Ag(198.7,235.7)	390.0 (13.7)	natMg(3916.7,2828.1)
381.4 (2.4)	232Th(3473.0,566.6)	390.2 (10.2)	152Sm(127.3,35.8)
381.6 (12.2)	226Ra(90.0,64.3)	390.4 (2.3)	186W(59.2,145.8)
382.1 (5.0)	150Nd(189.1,57.7)	390.4 (3.3)	196Pt(5846.3,649.2)
382.1 (4.2)	226Ra(90.0,64.3)	390.5 (2.9)	123Sb(87.6,40.8)
382.2 (2.4)	159Tb(75.1,63.7)	390.6 (4.1)	154Gd(86.5,105.3)
382.2 (2.5)	181Ta(270.4,5965.0)	390.7 (7.2)	71Ga(145.1,192.0)
382.7 (2.2)	184Os(431.2,6588.0)	390.8 (2.6)	193Ir(371.5,112.2)
382.8 (2.0)	241Am(186.4,154.6)	390.9 (25.4)	185Re(59.0,214.6)
382.8 (2.3)	183W(111.2,903.3)	391.0 (4.4)	241Am(186.4,154.6)
382.9 (2.7)	192Os(5276.0,5583.3)	391.0 (27.4)	193Ir(371.5,112.2)
382.9 (4.1)	193Ir(371.5,112.2)	391.2 (4.1)	150Nd(189.1,57.7)
383.0 (4.9)	193Ir(371.5,112.2)	391.2 (4.8)	59Co(58.9,229.7)
383.1 (3.1)	197Au(214.8,6252.6)	391.3 (15.2)	70Ge(499.9,174.9)
383.5 (3.4)	193Ir(371.5,112.2)	391.3 (8.6)	162Dy(351.1,421.9)
383.6 (5.0)	148Nd(165.1,138.4)	391.4 (2.6)	194Pt(211.4,98.9)
383.7 (16.9)	193Ir(371.5,112.2)	391.5 (3.6)	193Ir(371.5,112.2)
384.1 (3.1)	203Tl(139.9,319.3)	391.9 (4.1)	165Ho(136.7,116.8)
384.3 (32.2)	226Ra(90.0,64.3)	392.0 (2.4)	193Ir(371.5,112.2)
384.4 (8.8)	115In(273.0,85.6)	392.0 (3.1)	127I(133.6,27.4)
384.5 (32.1)	123Sb(87.6,40.8)	392.5 (2.4)	175Lu(71.5,225.4)
384.6 (3.3)	205Tl(304.9,266.1)	392.6 (8.9)	234U(637.8,129.3)
384.7 (5.7)	241Am(186.4,154.6)	392.6 (4.5)	160Dy(6087.3,48.9)
384.7 (4.6)	63Cu(7916.3,278.2)	392.7 (6.7)	164Dy(184.3,538.5)
384.9 (19.6)	186Os(427.1,400.8)	392.7 (7.0)	238Pu(462.2,434.9)
385.0 (2.2)	99Tc(172.1,299.5)	392.9 (2.3)	100Mo(180.7,237.6)
385.1 (28.4)	115In(273.0,85.6)	393.0 (17.3)	69Ga(508.4,691.0)
385.2 (30.0)	136Xe(601.0,3424.6)	393.1 (5.9)	162Dy(351.1,421.9)
385.2 (2.3)	193Ir(371.5,112.2)	393.1 (60.3)	234U(637.8,129.3)
385.2 (3.0)	193Ir(371.5,112.2)	393.3 (12.8)	71Ga(145.1,192.0)
385.4 (4.2)	127I(133.6,27.4)	393.4 (22.7)	194Ir(300.3,175.2)
385.5 (2.3)	98Mo(97.6,351.0)	393.4 (2.2)	176Lu(150.4,138.6)
385.8 (46.3)	65Cu(186.0,465.2)	393.5 (5.9)	192Os(5276.0,5583.3)
386.0 (20.0)	164Dy(184.3,538.5)	393.7 (2.7)	197Au(214.8,6252.6)
386.0 (3.9)	193Ir(371.5,112.2)	394.3 (2.3)	193Ir(371.5,112.2)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
394.5(2.0)	193Ir(371.5,112.2)	403.3(5.0)	176Hf(508.6,112.9)
394.6(5.0)	166Er(207.8,798.8)	403.3(12.2)	188Os(5414.9,343.5)
394.7(91.5)	160Gd(5280.0,394.7)	403.5(3.5)	148Nd(165.1,138.4)
395.1(13.4)	194Pt(211.4,98.9)	403.7(3.3)	141Pr(176.9,140.9)
395.4(7.0)	176Hf(508.6,112.9)	403.9(26.9)	194Ir(300.3,175.2)
395.8(3.5)	100Mo(180.7,237.6)	404.2(28.0)	152Sm(127.3,35.8)
396.0(7.5)	203Tl(139.9,319.3)	404.6(6.9)	150Sm(167.8,5281.1)
396.1(2.9)	193Ir(371.5,112.2)	404.6(4.5)	159Tb(75.1,63.7)
396.3(3.1)	193Ir(371.5,112.2)	405.1(5.6)	230Th(185.7,4284.9)
396.5(6.5)	152Sm(127.3,35.8)	405.2(3.8)	150Sm(167.8,5281.1)
396.5(10.6)	226Ra(90.0,64.3)	405.4(5.3)	193Ir(371.5,112.2)
396.8(3.4)	108Pd(113.4,245.1)	405.4(4.6)	232Th(3473.0,566.6)
396.8(5.8)	193Ir(371.5,112.2)	405.6(4.9)	193Ir(371.5,112.2)
396.9(4.8)	139La(5097.7,4842.7)	406.0(3.1)	226Ra(90.0,64.3)
397.0(2.4)	181Ta(270.4,5965.0)	406.2(21.0)	184Os(431.2,6588.0)
397.1(4.0)	81Br(29.1,287.7)	406.4(11.4)	148Nd(165.1,138.4)
397.3(3.6)	190Os(5146.8,527.5)	406.5(3.4)	187Re(63.6,290.7)
397.4(4.4)	189Os(186.7,558.0)	406.6(15.3)	194Ir(300.3,175.2)
397.9(50.2)	152Sm(127.3,35.8)	406.8(3.2)	100Mo(180.7,237.6)
398.0(3.9)	100Mo(180.7,237.6)	407.0(2.4)	241Am(186.4,154.6)
398.7(5.0)	176Hf(508.6,112.9)	407.2(2.7)	189Os(186.7,558.0)
398.9(3.4)	193Ir(371.5,112.2)	407.2(15.2)	96Mo(481.0,720.5)
399.0(8.6)	162Dy(351.1,421.9)	407.3(2.6)	152Sm(127.3,35.8)
399.0(4.6)	100Mo(180.7,237.6)	407.3(6.1)	193Ir(371.5,112.2)
399.0(5.7)	192Os(5276.0,5583.3)	407.5(3.5)	193Ir(371.5,112.2)
399.1(2.3)	99Tc(172.1,299.5)	407.5(2.9)	189Os(186.7,558.0)
399.4(100.0)	172Yb(399.4,116.1)	407.6(3.3)	162Dy(351.1,421.9)
399.5(3.2)	159Tb(75.1,63.7)	407.9(8.7)	230Th(185.7,4284.9)
399.5(4.3)	234U(637.8,129.3)	407.9(6.0)	194Pt(211.4,98.9)
399.6(3.5)	193Ir(371.5,112.2)	408.1(2.8)	71Ga(145.1,192.0)
399.7(3.2)	45Sc(227.8,142.5)	408.6(4.6)	130Te(295.9,3346.9)
400.2(6.1)	248Cm(1408.3,1622.9)	408.8(2.4)	209Bi(319.7,162.2)
400.4(7.3)	248Cm(1408.3,1622.9)	409.0(3.0)	137Ba(1435.9,5730.8)
400.6(8.7)	248Cm(1408.3,1622.9)	409.0(4.4)	159Tb(75.1,63.7)
400.8(2.4)	123Sb(87.6,40.8)	409.0(5.4)	194Pt(211.4,98.9)
400.8(98.0)	186Os(427.1,400.8)	409.7(5.4)	194Pt(211.4,98.9)
400.8(6.7)	248Cm(1408.3,1622.9)	409.8(7.3)	173Yb(176.6,1241.9)
400.9(8.4)	81Br(29.1,287.7)	409.9(10.2)	154Sm(4987.1,4876.3)
401.2(4.1)	150Nd(189.1,57.7)	410.0(4.3)	69Ga(508.4,691.0)
401.6(7.6)	165Ho(136.7,116.8)	410.0(2.1)	146Nd(314.7,78.0)
401.6(3.4)	248Cm(1408.3,1622.9)	410.1(13.6)	194Ir(300.3,175.2)
401.8(5.6)	193Ir(371.5,112.2)	410.3(5.9)	123Sb(87.6,40.8)
401.8(5.0)	226Ra(90.0,64.3)	410.3(5.1)	165Ho(136.7,116.8)
401.9(17.1)	162Dy(351.1,421.9)	410.3(5.2)	148Nd(165.1,138.4)
402.6(47.0)	181Ta(270.4,5965.0)	410.4(2.3)	115In(273.0,85.6)
402.6(2.4)	159Tb(75.1,63.7)	410.6(2.9)	193Ir(371.5,112.2)
402.7(2.2)	226Ra(90.0,64.3)	410.6(35.0)	188Os(5414.9,343.5)
402.7(5.4)	81Br(29.1,287.7)	410.9(2.7)	150Sm(167.8,5281.1)
402.9(2.4)	71Ga(145.1,192.0)	410.9(3.4)	159Tb(75.1,63.7)
402.9(3.1)	123Sb(87.6,40.8)	411.1(2.7)	165Ho(136.7,116.8)
403.1(2.0)	164Dy(184.3,538.5)	411.1(2.2)	226Ra(90.0,64.3)
403.1(35.7)	102Ru(174.0,136.1)	411.2(2.5)	185Re(159.0,214.6)
403.2(9.3)	190Os(5146.8,527.5)	411.3(3.6)	71Ga(145.1,192.0)
403.2(2.7)	197Au(214.8,6252.6)	411.7(22.2)	164Dy(184.3,538.5)
403.3(2.7)	99Ru(539.7,687.0)	411.9(2.5)	226Ra(90.0,64.3)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
411.9 (6.0)	193Ir (371.5, 112.2)	420.4 (5.0)	100Mo (180.7, 237.6)
412.0 (28.8)	54Fe (9297.8, 412.0)	420.5 (25.0)	191Os (205.8, 374.5)
412.0 (17.2)	194Ir (300.3, 175.2)	420.6 (3.9)	159Tb (75.1, 63.7)
412.1 (3.6)	100Mo (180.7, 237.6)	420.8 (6.7)	164Dy (184.3, 538.5)
412.1 (2.2)	165Ho (136.7, 116.8)	420.8 (7.1)	127I (133.6, 27.4)
412.3 (6.9)	234U (637.8, 129.3)	420.8 (6.3)	193Ir (371.5, 112.2)
412.4 (24.5)	186Os (427.1, 400.8)	421.1 (2.5)	165Ho (136.7, 116.8)
412.4 (4.2)	113In (311.6, 287.7)	421.4 (15.7)	186Os (427.1, 400.8)
412.5 (3.5)	193Ir (371.5, 112.2)	421.6 (30.0)	85Rb (557.0, 488.0)
412.8 (2.3)	81Br (29.1, 287.7)	421.7 (4.5)	150Nd (189.1, 57.7)
413.0 (11.1)	226Ra (90.0, 64.3)	421.9 (74.3)	162Dy (351.1, 421.9)
413.1 (5.6)	190Os (5146.8, 527.5)	422.0 (18.4)	248Cm (1408.3, 1622.9)
413.2 (3.1)	185Re (59.0, 214.6)	422.2 (4.3)	115In (273.0, 85.6)
413.2 (7.7)	190Os (5146.8, 527.5)	422.2 (2.8)	121Sb (61.4, 78.1)
413.5 (2.1)	159Tb (75.1, 63.7)	422.3 (3.0)	167Er (184.3, 6677.4)
413.5 (4.0)	193Ir (371.5, 112.2)	422.6 (5.1)	234U (637.8, 129.3)
413.7 (13.4)	146Nd (314.7, 78.0)	422.7 (45.8)	139La (5097.7, 4842.7)
413.7 (8.6)	147Sm (550.0, 630.2)	422.7 (2.1)	175Lu (71.5, 225.4)
413.7 (4.8)	176Lu (150.4, 138.6)	422.8 (2.0)	168Er (64.6, 4908.8)
413.7 (26.0)	234U (637.8, 129.3)	422.9 (3.8)	248Cm (1408.3, 1622.9)
413.8 (2.7)	152Sm (127.3, 35.8)	423.3 (3.2)	162Dy (351.1, 421.9)
413.8 (2.0)	natNe (2035.4, 350.3)	423.6 (2.6)	47Ti (983.5, 1312.1)
414.3 (12.0)	194Pt (211.4, 98.9)	423.7 (6.2)	190Os (5146.8, 527.5)
414.3 (2.0)	108Pd (113.4, 245.1)	423.7 (7.4)	186W (59.2, 145.8)
414.8 (29.1)	193Ir (371.5, 112.2)	424.0 (2.0)	230Th (185.7, 4284.9)
414.9 (4.3)	159Tb (75.1, 63.7)	424.2 (3.0)	193Ir (371.5, 112.2)
415.0 (46.1)	152Sm (127.3, 35.8)	425.1 (9.4)	203Tl (139.9, 319.3)
415.0 (18.3)	164Dy (184.3, 538.5)	425.3 (3.1)	193Ir (371.5, 112.2)
415.0 (25.8)	163Dy (688.4, 754.8)	425.3 (14.2)	83Kr (881.7, 1213.4)
415.1 (14.3)	162Dy (351.1, 421.9)	425.3 (4.7)	165Ho (136.7, 116.8)
415.1 (2.3)	248Cm (1408.3, 1622.9)	425.3 (2.2)	198Au (493.8, 317.1)
415.6 (5.5)	150Nd (189.1, 57.7)	425.4 (4.4)	175Lu (71.5, 225.4)
415.9 (2.6)	100Mo (180.7, 237.6)	425.4 (2.4)	193Ir (371.5, 112.2)
415.9 (24.7)	194Ir (300.3, 175.2)	426.0 (7.2)	194Pt (211.4, 98.9)
416.3 (43.5)	136Ce (434.0, 514.2)	426.0 (13.5)	165Ho (136.7, 116.8)
416.5 (2.9)	165Ho (136.7, 116.8)	426.1 (3.9)	108Pd (113.4, 245.1)
416.6 (3.4)	127I (133.6, 27.4)	426.5 (4.7)	139La (5097.7, 4842.7)
416.9 (11.8)	184W (4573.6, 1181.6)	427.0 (3.9)	69Ga (508.4, 691.0)
417.0 (2.6)	166Er (207.8, 798.8)	427.1 (100.0)	186Os (427.1, 400.8)
417.3 (3.1)	81Br (29.1, 287.7)	427.2 (5.7)	159Tb (75.1, 63.7)
417.9 (2.9)	102Ru (174.0, 136.1)	427.6 (6.6)	98Mo (97.6, 351.0)
418.1 (28.8)	193Ir (371.5, 112.2)	427.7 (18.1)	162Dy (351.1, 421.9)
418.4 (2.0)	185Re (59.0, 214.6)	427.7 (3.4)	31P (3900.3, 2154.2)
418.4 (15.5)	184W (4573.6, 1181.6)	427.9 (5.3)	74Se (286.6, 7734.1)
418.5 (2.1)	160Dy (6087.3, 48.9)	428.2 (2.3)	186W (59.2, 145.8)
418.6 (9.0)	197Au (214.8, 6252.6)	428.4 (6.4)	108Pd (113.4, 245.1)
418.7 (6.6)	194Pt (211.4, 98.9)	428.6 (6.6)	174Yb (514.9, 5266.7)
418.8 (4.4)	183W (111.2, 903.3)	428.6 (14.9)	194Ir (300.3, 175.2)
419.1 (3.2)	123Sb (87.6, 40.8)	428.8 (3.8)	102Ru (174.0, 136.1)
419.4 (3.0)	83Kr (881.7, 1213.4)	429.6 (2.9)	105Pd (511.9, 717.4)
419.5 (15.4)	51V (22.8, 125.1)	429.7 (32.6)	238Pu (462.2, 434.9)
419.5 (8.7)	184Os (431.2, 6588.0)	429.9 (42.1)	168Er (64.6, 4908.8)
419.5 (2.1)	193Ir (371.5, 112.2)	430.0 (2.2)	193Ir (371.5, 112.2)
419.7 (48.5)	194Pt (211.4, 98.9)	430.2 (16.9)	72Ge (326.0, 6390.2)
419.9 (8.2)	121Sb (61.4, 78.1)	430.3 (2.9)	123Sb (87.6, 40.8)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
430.5 (2.7)	164Dy (184.3, 538.5)	437.2 (3.7)	113In (311.6, 287.7)
430.5 (2.5)	123Sb (87.6, 40.8)	437.2 (2.5)	193Ir (371.5, 112.2)
430.6 (6.3)	194Pt (211.4, 98.9)	437.3 (2.6)	193Ir (371.5, 112.2)
430.8 (3.0)	148Nd (165.1, 138.4)	437.4 (3.7)	159Tb (75.1, 63.7)
430.9 (4.7)	237Np (182.9, 49.4)	437.6 (13.4)	150Nd (189.1, 57.7)
430.9 (18.7)	196Pt (5846.3, 649.2)	437.7 (2.6)	187Re (63.6, 290.7)
431.0 (3.0)	162Dy (351.1, 421.9)	437.7 (3.6)	203Tl (139.9, 319.3)
431.2 (100.0)	184Os (431.2, 6588.0)	438.0 (29.0)	193Os (218.5, 656.5)
431.5 (17.6)	76Ge (5912.9, 5049.1)	438.8 (6.7)	226Ra (90.0, 64.3)
431.5 (4.1)	141Pr (176.9, 140.9)	439.0 (3.7)	104Ru (143.2, 159.3)
431.5 (4.5)	193Ir (371.5, 112.2)	439.2 (5.9)	186Os (427.1, 400.8)
431.6 (2.3)	187Re (63.6, 290.7)	439.3 (8.6)	197Au (214.8, 6252.6)
431.7 (3.5)	74Se (286.6, 7734.1)	439.4 (6.4)	196Pt (5846.3, 649.2)
432.0 (28.5)	102Ru (174.0, 136.1)	439.4 (58.5)	149Sm (333.9, 439.4)
432.2 (4.5)	79Br (37.1, 245.2)	439.5 (15.2)	76Se (239.0, 520.6)
432.3 (2.2)	232Th (3473.0, 566.6)	439.5 (5.9)	174Hf (125.7, 5842.2)
432.4 (2.6)	147Sm (550.0, 630.2)	439.5 (100.0)	201Hg (439.5, 520.3)
432.4 (10.8)	194Pt (211.4, 98.9)	439.5 (4.2)	152Sm (127.3, 35.8)
432.5 (2.1)	193Ir (371.5, 112.2)	439.8 (3.1)	141Pr (176.9, 140.9)
432.6 (4.8)	194Pt (211.4, 98.9)	439.9 (43.0)	122Te (158.9, 439.9)
432.7 (11.3)	72Ge (326.0, 6390.2)	440.1 (12.3)	197Au (214.8, 6252.6)
432.7 (2.8)	193Ir (371.5, 112.2)	440.1 (5.0)	natNe (2035.4, 350.3)
432.8 (5.2)	193Ir (371.5, 112.2)	440.5 (10.5)	193Ir (371.5, 112.2)
432.9 (4.0)	193Ir (371.5, 112.2)	440.9 (2.1)	193Ir (371.5, 112.2)
433.0 (6.9)	148Nd (165.1, 138.4)	440.9 (4.0)	150Sm (167.8, 5281.1)
433.4 (2.4)	193Ir (371.5, 112.2)	441.0 (17.8)	100Mo (180.7, 237.6)
433.6 (19.8)	108Pd (113.4, 245.1)	441.1 (2.6)	187Re (63.6, 290.7)
433.6 (2.1)	92Zr (1426.8, 5312.2)	441.1 (5.7)	162Dy (351.1, 421.9)
433.7 (17.4)	115In (273.0, 85.6)	441.2 (3.4)	193Ir (371.5, 112.2)
433.8 (3.0)	190Os (5146.8, 527.5)	441.3 (2.2)	193Ir (371.5, 112.2)
433.8 (20.6)	226Ra (90.0, 64.3)	441.5 (2.6)	174Hf (125.7, 5842.2)
434.0 (100.0)	136Ce (434.0, 514.2)	441.8 (8.1)	196Pt (5846.3, 649.2)
434.0 (3.0)	248Cm (1408.3, 1622.9)	441.9 (4.8)	123Sb (87.6, 40.8)
434.4 (9.0)	176Yb (104.5, 151.6)	442.0 (9.8)	104Ru (143.2, 159.3)
434.8 (2.5)	162Dy (351.1, 421.9)	442.2 (2.4)	159Tb (75.1, 63.7)
434.9 (2.1)	193Ir (371.5, 112.2)	442.2 (2.7)	190Os (5146.8, 527.5)
434.9 (72.1)	238Pu (462.2, 434.9)	442.3 (2.6)	162Dy (351.1, 421.9)
434.9 (2.1)	87Sr (1836.0, 898.0)	442.5 (11.4)	152Sm (127.3, 35.8)
435.0 (2.6)	192Os (5276.0, 5583.3)	442.6 (7.6)	186Os (427.1, 400.8)
435.0 (11.1)	241Am (186.4, 154.6)	442.8 (3.4)	133Cs (11.2, 116.4)
435.4 (3.3)	113In (311.6, 287.7)	443.2 (2.3)	139La (5097.7, 4842.7)
435.7 (3.3)	59Co (58.9, 229.7)	443.2 (2.9)	123Sb (87.6, 40.8)
435.8 (4.3)	193Ir (371.5, 112.2)	443.6 (2.5)	173Yb (176.6, 1241.9)
436.0 (34.9)	68Zn (1008.0, 5474.0)	443.6 (5.2)	230Th (185.7, 4284.9)
436.1 (6.8)	31P (3900.3, 2154.2)	443.8 (10.7)	150Sm (167.8, 5281.1)
436.1 (3.1)	natCl (1950.9, 6110.9)	443.9 (2.3)	123Sb (87.6, 40.8)
436.2 (5.4)	174Yb (514.9, 5266.7)	444.0 (3.1)	193Ir (371.5, 112.2)
436.3 (2.9)	193Ir (371.5, 112.2)	444.1 (7.2)	197Au (214.8, 6252.6)
436.3 (4.5)	natMg (3916.7, 2828.1)	444.3 (2.6)	193Ir (371.5, 112.2)
436.5 (2.5)	193Ir (371.5, 112.2)	444.5 (6.7)	153Gd (123.1, 247.9)
436.6 (22.1)	51V (22.8, 125.1)	444.7 (4.0)	71Ga (145.1, 192.0)
436.7 (2.5)	100Mo (180.7, 237.6)	444.8 (6.2)	70Ge (499.9, 174.9)
436.9 (3.4)	146Nd (314.7, 78.0)	445.1 (2.4)	152Sm (127.3, 35.8)
436.9 (4.6)	65Cu (186.0, 465.2)	445.2 (17.6)	74Ge (574.7, 253.7)
437.1 (5.0)	226Ra (90.0, 64.3)	445.6 (6.7)	104Ru (143.2, 159.3)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
445.7(5.7)	234U(637.8,129.3)	454.3(26.6)	194Ir(300.3,175.2)
445.8(14.1)	150Sm(167.8,5281.1)	454.6(2.6)	234U(637.8,129.3)
445.8(4.2)	193Ir(371.5,112.2)	454.6(35.7)	188Os(5414.9,343.5)
446.1(2.8)	193Ir(371.5,112.2)	454.7(27.0)	138Ba(627.3,4096.1)
446.7(2.1)	193Ir(371.5,112.2)	454.8(14.7)	186Os(427.1,400.8)
447.3(2.3)	248Cm(1408.3,1622.9)	455.2(4.4)	123Sb(87.6,40.8)
447.3(3.0)	193Ir(371.5,112.2)	455.6(6.2)	165Ho(136.7,116.8)
447.4(4.3)	159Tb(75.1,63.7)	455.7(5.3)	226Ra(90.0,64.3)
447.5(3.4)	193Ir(371.5,112.2)	455.7(2.6)	108Pd(113.4,245.1)
447.5(2.5)	146Nd(314.7,78.0)	455.8(3.4)	192Os(5276.0,5583.3)
447.5(5.7)	167Er(184.3,6677.4)	455.8(12.0)	74Ge(574.7,253.7)
447.6(4.2)	184Os(431.2,6588.0)	455.9(4.2)	193Ir(371.5,112.2)
447.7(14.6)	59Co(58.9,229.7)	455.9(5.1)	102Ru(174.0,136.1)
447.7(2.8)	193Ir(371.5,112.2)	456.0(3.0)	93Nb(99.4,255.9)
448.0(11.1)	164Dy(184.3,538.5)	456.1(7.5)	226Ra(90.0,64.3)
448.0(3.2)	241Am(186.4,154.6)	456.1(3.9)	197Au(214.8,6252.6)
448.1(2.8)	83Kr(881.7,1213.4)	456.3(2.2)	232Th(3473.0,566.6)
448.2(4.8)	91Zr(934.5,1405.2)	456.8(16.8)	196Pt(5846.3,649.2)
448.3(22.5)	186Os(427.1,400.8)	457.2(3.1)	70Ge(499.9,174.9)
448.5(4.7)	238Pu(462.2,434.9)	457.4(2.2)	165Ho(136.7,116.8)
448.6(12.8)	150Sm(167.8,5281.1)	457.8(3.7)	197Au(214.8,6252.6)
448.7(3.2)	121Sb(61.4,78.1)	457.9(4.7)	176Lu(150.4,138.6)
449.1(9.1)	194Ir(300.3,175.2)	458.1(7.5)	193Ir(371.5,112.2)
449.3(6.9)	226Ra(90.0,64.3)	458.1(2.2)	197Au(214.8,6252.6)
449.3(5.5)	31P(3900.3,2154.2)	458.3(19.4)	193Ir(371.5,112.2)
449.3(3.5)	141Pr(176.9,140.9)	458.5(8.1)	93Nb(99.4,255.9)
449.3(6.3)	197Au(214.8,6252.6)	458.8(2.8)	193Ir(371.5,112.2)
449.5(3.2)	63Cu(7916.3,278.2)	459.0(3.0)	100Mo(180.7,237.6)
449.8(3.0)	187Re(63.6,290.7)	459.1(100.0)	182Ta(459.1,315.9)
450.4(8.4)	133Cs(11.2,116.4)	459.2(56.8)	194Ir(300.3,175.2)
450.6(4.6)	154Gd(86.5,105.3)	459.5(3.0)	148Nd(165.1,138.4)
450.6(3.8)	241Am(186.4,154.6)	459.5(2.5)	159Tb(75.1,63.7)
450.7(20.5)	184W(4573.6,1181.6)	459.7(8.9)	55Mn(26.6,7243.8)
450.7(3.0)	193Ir(371.5,112.2)	459.8(8.1)	193Ir(371.5,112.2)
450.7(3.8)	148Nd(165.1,138.4)	459.8(2.5)	79Br(37.1,245.2)
450.9(3.5)	193Ir(371.5,112.2)	459.9(4.8)	152Sm(127.3,35.8)
450.9(15.7)	98Mo(97.6,351.0)	460.0(9.8)	141Pr(176.9,140.9)
451.4(4.2)	154Gd(86.5,105.3)	460.1(2.1)	159Tb(75.1,63.7)
451.4(8.0)	113In(311.6,287.7)	460.3(37.1)	193Ir(371.5,112.2)
451.5(9.4)	150Sm(167.8,5281.1)	460.8(3.0)	230Th(185.7,4284.9)
451.6(10.7)	159Tb(75.1,63.7)	461.0(2.2)	59Co(58.9,229.7)
451.8(2.5)	193Ir(371.5,112.2)	461.2(4.4)	108Pd(113.4,245.1)
452.2(3.6)	193Ir(371.5,112.2)	461.5(2.3)	237Np(182.9,49.4)
452.4(3.6)	193Ir(371.5,112.2)	461.8(2.1)	193Ir(371.5,112.2)
452.6(3.4)	79Br(37.1,245.2)	461.8(9.5)	172Yb(399.4,116.1)
452.8(4.0)	194Pt(211.4,98.9)	462.0(4.7)	123Sb(87.6,40.8)
453.1(18.0)	191Os(205.8,374.5)	462.2(100.0)	238Pu(462.2,434.9)
453.3(2.4)	159Tb(75.1,63.7)	462.2(3.5)	193Ir(371.5,112.2)
453.3(4.2)	81Br(29.1,287.7)	462.3(2.1)	162Dy(351.1,421.9)
453.5(3.8)	241Am(186.4,154.6)	462.4(39.2)	188Os(5414.9,343.5)
453.7(25.6)	145Nd(7110.8,6093.9)	462.5(10.2)	184Os(431.2,6588.0)
453.8(10.1)	194Ir(300.3,175.2)	462.5(9.7)	186Os(427.1,400.8)
454.0(3.0)	100Mo(180.7,237.6)	462.9(34.4)	104Ru(143.2,159.3)
454.1(4.2)	193Ir(371.5,112.2)	463.0(18.0)	137Ba(1435.9,5730.8)
454.3(16.1)	55Mn(26.6,7243.8)	463.2(9.3)	115Sn(1293.6,972.6)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
463.5(3.0)	154Gd(86.5,105.3)	472.1(10.0)	193Ir(371.5,112.2)
463.5(2.2)	193Ir(371.5,112.2)	472.2(5.3)	194Pt(211.4,98.9)
463.8(5.2)	184W(4573.6,1181.6)	472.3(69.5)	232Th(3473.0,566.6)
463.9(3.7)	123Sb(87.6,40.8)	472.4(100.0)	23Na(472.4,6395.4)
463.9(2.2)	165Ho(136.7,116.8)	472.4(12.5)	31P(3900.3,2154.2)
464.2(7.6)	159Tb(75.1,63.7)	472.5(5.0)	113In(311.6,287.7)
464.5(4.5)	148Nd(165.1,138.4)	472.8(3.6)	75Se(559.1,8724.4)
464.5(5.7)	159Tb(75.1,63.7)	473.1(4.0)	83Kr(881.7,1213.4)
464.5(6.6)	193Ir(371.5,112.2)	473.1(6.3)	123Sb(87.6,40.8)
464.7(6.0)	194Pt(211.4,98.9)	473.3(7.4)	natN(5269.2,1884.8)
465.0(11.5)	232Th(3473.0,566.6)	473.3(6.9)	226Ra(90.0,64.3)
465.0(6.8)	44Ca(174.3,5515.0)	473.6(33.8)	152Sm(127.3,35.8)
465.0(46.0)	58Ni(8998.4,8533.4)	473.6(4.4)	150Nd(189.1,57.7)
465.2(54.4)	65Cu(186.0,465.2)	473.8(2.0)	181Ta(270.4,5965.0)
465.3(22.2)	164Dy(184.3,538.5)	474.0(9.9)	186W(59.2,145.8)
465.4(7.4)	71Ga(145.1,192.0)	474.0(18.7)	72Ge(326.0,6390.2)
465.4(5.7)	193Ir(371.5,112.2)	474.0(6.4)	166Er(207.8,798.8)
465.5(2.7)	129I(6408.4,5821.7)	474.2(15.3)	150Nd(189.1,57.7)
465.6(2.9)	193Ir(371.5,112.2)	474.2(2.0)	115In(273.0,85.6)
465.8(3.7)	198Au(493.8,317.1)	474.4(2.4)	193Ir(371.5,112.2)
465.9(8.7)	81Br(29.1,287.7)	474.5(2.0)	164Dy(184.3,538.5)
466.2(6.1)	104Ru(143.2,159.3)	474.7(30.9)	188Os(5414.9,343.5)
466.2(3.0)	230Th(185.7,4284.9)	474.7(6.1)	198Au(493.8,317.1)
466.4(16.9)	100Mo(180.7,237.6)	474.8(2.5)	187Re(63.6,290.7)
466.4(7.3)	193Ir(371.5,112.2)	475.0(29.0)	140Ce(662.0,4766.6)
466.6(6.5)	193Ir(371.5,112.2)	475.0(10.6)	226Ra(90.0,64.3)
466.6(3.0)	81Br(29.1,287.7)	475.4(16.7)	162Dy(351.1,421.9)
466.8(12.6)	146Nd(314.7,78.0)	475.7(4.8)	160Dy(6087.3,48.9)
466.9(2.7)	241Am(186.4,154.6)	475.9(4.4)	115In(273.0,85.6)
467.0(5.5)	123Sb(87.6,40.8)	476.2(3.9)	45Sc(227.8,142.5)
467.4(3.1)	186W(59.2,145.8)	476.7(3.8)	159Tb(75.1,63.7)
467.4(11.5)	193Ir(371.5,112.2)	477.1(13.3)	164Dy(184.3,538.5)
467.7(100.0)	80Se(467.7,6233.0)	477.1(11.5)	176Yb(104.5,151.6)
468.0(5.5)	63Cu(7916.3,278.2)	477.4(8.2)	174Yb(514.9,5266.7)
468.1(5.3)	198Au(493.8,317.1)	477.6(2.9)	natLi(2032.5,980.7)
468.3(10.7)	248Cm(1408.3,1622.9)	477.6(7.9)	168Er(64.6,4908.8)
468.3(4.7)	193Ir(371.5,112.2)	477.7(9.2)	122Te(158.9,439.9)
469.0(17.0)	79Br(37.1,245.2)	477.7(6.4)	193Ir(371.5,112.2)
469.0(4.2)	193Ir(371.5,112.2)	477.9(3.8)	185Re(59.0,214.6)
469.0(91.5)	160Gd(5280.0,394.7)	478.0(23.5)	187Os(155.0,633.1)
469.9(69.5)	188Os(5414.9,343.5)	478.0(3.4)	139La(5097.7,4842.7)
470.1(55.8)	238Pu(462.2,434.9)	478.0(2.5)	146Nd(314.7,78.0)
470.2(6.7)	164Dy(184.3,538.5)	478.1(10.3)	234U(637.8,129.3)
470.2(15.4)	248Cm(1408.3,1622.9)	478.4(6.0)	193Ir(371.5,112.2)
470.2(19.1)	168Er(64.6,4908.8)	478.4(2.2)	168Yb(191.2,720.0)
470.4(4.0)	193Ir(371.5,112.2)	478.7(3.9)	193Ir(371.5,112.2)
470.5(3.0)	150Sm(167.8,5281.1)	479.1(15.2)	147Sm(550.0,630.2)
470.6(28.2)	152Sm(127.3,35.8)	479.3(5.4)	185Re(59.0,214.6)
470.7(2.1)	99Tc(172.1,299.5)	479.3(6.1)	226Ra(90.0,64.3)
470.8(2.1)	168Yb(191.2,720.0)	479.5(11.7)	31P(3900.3,2154.2)
471.3(2.9)	232Th(3473.0,566.6)	479.5(3.6)	162Dy(351.1,421.9)
471.4(2.4)	166Er(207.8,798.8)	479.6(4.1)	natMg(3916.7,2828.1)
471.6(9.6)	193Ir(371.5,112.2)	479.7(6.9)	natN(5269.2,1884.8)
471.8(12.4)	115In(273.0,85.6)	479.9(6.6)	241Am(186.4,154.6)
471.9(8.8)	203Tl(139.9,319.3)	479.9(2.7)	81Br(29.1,287.7)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
480.0 (3.6)	193Ir(371.5,112.2)	489.0 (52.0)	191Os(205.8,374.5)
480.0 (2.1)	181Ta(270.4,5965.0)	489.4 (11.6)	165Ho(136.7,116.8)
480.1 (3.6)	193Ir(371.5,112.2)	489.5 (7.1)	194Ir(300.3,175.2)
480.1 (2.0)	159Tb(75.1,63.7)	489.5 (7.5)	203Tl(139.9,319.3)
480.1 (11.0)	100Mo(180.7,237.6)	490.0 (2.4)	115In(273.0,85.6)
480.1 (3.2)	104Ru(143.2,159.3)	490.4 (2.3)	193Ir(371.5,112.2)
481.0 (2.1)	193Ir(371.5,112.2)	490.7 (2.2)	193Ir(371.5,112.2)
481.0(100.0)	96Mo(481.0,720.5)	490.8 (15.3)	104Ru(143.2,159.3)
481.1 (10.5)	152Sm(127.3,35.8)	491.1 (11.7)	234U(637.8,129.3)
481.2 (3.0)	182Ta(459.1,315.9)	491.2 (4.2)	121Sb(61.4,78.1)
481.2 (4.0)	181Ta(270.4,5965.0)	491.3 (14.1)	80Se(467.7,6233.0)
481.3 (4.5)	159Tb(75.1,63.7)	491.5 (30.4)	186Os(427.1,400.8)
481.3 (3.1)	165Ho(136.7,116.8)	491.6 (3.2)	108Pd(113.4,245.1)
481.9 (14.0)	180Hf(5695.9,5649.7)	491.9 (29.0)	176Yb(104.5,151.6)
482.0 (2.1)	193Ir(371.5,112.2)	492.2 (53.5)	238Pu(462.2,434.9)
482.1 (2.5)	174Yb(514.9,5266.7)	492.4 (2.4)	91Zr(934.5,1405.2)
482.1 (3.6)	193Ir(371.5,112.2)	492.5 (8.7)	115In(273.0,85.6)
482.4 (3.5)	122Te(158.9,439.9)	492.7 (4.2)	193Ir(371.5,112.2)
482.5 (4.1)	193Ir(371.5,112.2)	492.9 (8.9)	73Ge(595.8,867.9)
482.5 (2.7)	152Sm(127.3,35.8)	493.3 (3.2)	241Am(186.4,154.6)
482.6 (2.7)	184W(4573.6,1181.6)	493.5 (3.4)	146Nd(314.7,78.0)
482.8 (4.0)	193Ir(371.5,112.2)	493.8(100.0)	198Au(493.8,317.1)
482.9 (3.1)	183W(111.2,903.3)	494.2 (29.5)	194Ir(300.3,175.2)
483.0 (20.9)	188Os(5414.9,343.5)	494.4 (8.2)	166Er(207.8,798.8)
483.0 (3.2)	193Ir(371.5,112.2)	494.5 (13.9)	248Cm(1408.3,1622.9)
483.7 (7.8)	131Xe(667.5,667.8)	494.5 (9.5)	162Dy(351.1,421.9)
483.9 (15.3)	81Br(29.1,287.7)	495.0 (2.3)	186W(59.2,145.8)
484.0 (2.2)	193Ir(371.5,112.2)	495.0 (11.5)	81Br(29.1,287.7)
484.1 (2.0)	159Tb(75.1,63.7)	495.3 (4.1)	150Sm(167.8,5281.1)
484.2 (3.5)	59Co(58.9,229.7)	495.3 (17.2)	150Nd(189.1,57.7)
484.3 (9.3)	238Pu(462.2,434.9)	495.5 (3.3)	148Nd(165.1,138.4)
484.4 (2.2)	93Nb(99.4,255.9)	495.6 (9.6)	139La(5097.7,4842.7)
484.5 (22.2)	150Nd(189.1,57.7)	495.6 (14.5)	188Os(5414.9,343.5)
484.5 (5.5)	76Se(239.0,520.6)	495.7 (4.3)	190Os(5146.8,527.5)
484.6 (46.0)	191Os(205.8,374.5)	495.7 (4.3)	166Er(207.8,798.8)
484.8(100.0)	86Sr(484.8,8039.2)	495.8 (37.0)	194Ir(300.3,175.2)
485.0 (50.0)	186Os(427.1,400.8)	496.3 (2.6)	241Am(186.4,154.6)
485.3 (20.4)	72Ge(326.0,6390.2)	496.6 (3.6)	185Re(59.0,214.6)
485.4 (2.1)	121Sb(61.4,78.1)	496.6 (3.9)	237Np(182.9,49.4)
486.0 (9.0)	45Sc(227.8,142.5)	496.7 (5.3)	238U(12.0,133.8)
486.9 (46.8)	194Ir(300.3,175.2)	496.8 (2.1)	193Ir(371.5,112.2)
487.2 (26.4)	193Ir(371.5,112.2)	496.9 (27.8)	164Dy(184.3,538.5)
487.2 (3.5)	102Ru(174.0,136.1)	497.3 (9.3)	59Co(58.9,229.7)
487.2 (4.4)	238U(12.0,133.8)	497.4 (3.4)	248Cm(1408.3,1622.9)
487.5 (2.0)	187Os(155.0,633.1)	497.5 (8.0)	150Sm(167.8,5281.1)
487.6 (4.7)	165Ho(136.7,116.8)	497.5 (68.2)	168Er(64.6,4908.8)
487.8 (8.2)	232Th(3473.0,566.6)	497.6 (32.6)	238Pu(462.2,434.9)
487.9 (6.4)	166Er(207.8,798.8)	497.7 (4.0)	147Sm(550.0,630.2)
488.0 (6.3)	72Ge(326.0,6390.2)	498.1 (3.1)	193Ir(371.5,112.2)
488.0 (57.4)	85Rb(557.0,488.0)	498.1 (4.1)	197Au(214.8,6252.6)
488.3 (7.5)	203Tl(139.9,319.3)	498.6 (10.7)	166Er(207.8,798.8)
488.4 (2.3)	193Ir(371.5,112.2)	498.8 (6.9)	230Th(185.7,4284.9)
488.6 (2.1)	152Sm(127.3,35.8)	498.8 (3.6)	81Br(29.1,287.7)
488.8 (2.1)	193Ir(371.5,112.2)	498.9 (15.1)	188Os(5414.9,343.5)
488.8 (3.2)	71Ga(145.1,192.0)	499.4 (7.8)	164Dy(184.3,538.5)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
499.4 (11.6)	238Pu(462.2,434.9)	510.4 (11.0)	176Hf(508.6,112.9)
499.4 (21.8)	93Nb(99.4,255.9)	510.4 (13.6)	193Ir(371.5,112.2)
499.5 (28.5)	193Ir(371.5,112.2)	510.7 (22.1)	193Ir(371.5,112.2)
499.5 (2.5)	159Tb(75.1,63.7)	510.8 (3.5)	133Cs(11.2,116.4)
499.7 (5.5)	176Yb(104.5,151.6)	511.0 (7.9)	166Er(207.8,798.8)
499.8 (7.2)	190Os(5146.8,527.5)	511.2 (6.9)	181Ta(270.4,5965.0)
499.8 (7.6)	186W(59.2,145.8)	511.2 (7.9)	197Au(214.8,6252.6)
499.9(100.0)	70Ge(499.9,174.9)	511.2 (14.2)	193Ir(371.5,112.2)
500.6 (6.1)	164Dy(184.3,538.5)	511.7 (14.9)	193Ir(371.5,112.2)
500.7 (3.8)	193Ir(371.5,112.2)	511.9(100.0)	105Pd(511.9,717.4)
501.0 (5.5)	193Ir(371.5,112.2)	512.0 (12.3)	193Ir(371.5,112.2)
501.2 (6.0)	123Sb(87.6,40.8)	512.4 (2.0)	181Ta(270.4,5965.0)
501.2 (12.6)	102Ru(174.0,136.1)	512.5 (7.7)	81Br(29.1,287.7)
501.7 (9.7)	170Er(197.9,904.0)	512.7 (2.9)	165Ho(136.7,116.8)
501.9 (35.3)	186Os(427.1,400.8)	513.0 (7.5)	193Ir(371.5,112.2)
502.2 (3.5)	152Sm(127.3,35.8)	513.9 (4.1)	152Eu(97.4,103.2)
502.4 (29.0)	196Pt(5846.3,649.2)	514.0 (37.7)	194Ir(300.3,175.2)
502.5 (2.3)	127I(133.6,27.4)	514.1 (3.4)	121Sb(61.4,78.1)
502.6 (4.9)	113In(311.6,287.7)	514.2 (70.2)	136Ce(434.0,514.2)
502.8 (2.7)	133Cs(11.2,116.4)	514.8 (3.1)	150Sm(167.8,5281.1)
503.6 (15.1)	146Nd(314.7,78.0)	514.8 (7.9)	85Rb(557.0,488.0)
503.6 (4.8)	63Cu(7916.3,278.2)	514.8 (12.5)	226Ra(90.0,64.3)
504.7 (3.4)	55Mn(26.6,7243.8)	514.9(100.0)	174Yb(514.9,5266.7)
504.8 (10.9)	234U(637.8,129.3)	515.0 (2.6)	230Th(185.7,4284.9)
505.0 (13.6)	150Sm(167.8,5281.1)	515.1 (2.2)	162Dy(351.1,421.9)
505.2 (2.5)	193Ir(371.5,112.2)	515.1 (10.7)	194Ir(300.3,175.2)
505.4 (10.8)	149Sm(333.9,439.4)	515.3 (3.0)	159Tb(75.1,63.7)
505.5 (24.7)	198Au(493.8,317.1)	515.6 (29.4)	186Os(427.1,400.8)
505.6 (3.1)	154Gd(86.5,105.3)	515.8 (3.9)	197Au(214.8,6252.6)
505.7 (18.9)	122Te(158.9,439.9)	516.0 (31.8)	natAr(167.3,4745.0)
505.7 (2.8)	193Ir(371.5,112.2)	516.0 (5.2)	74Se(286.6,7734.1)
505.7 (2.8)	150Sm(167.8,5281.1)	516.4 (6.4)	150Sm(167.8,5281.1)
505.8 (48.6)	188Os(5414.9,343.5)	516.6 (13.4)	141Pr(176.9,140.9)
506.0 (5.6)	248Cm(1408.3,1622.9)	516.7 (7.1)	152Sm(127.3,35.8)
506.0 (23.4)	194Ir(300.3,175.2)	516.7 (85.2)	natCl(1950.9,6110.9)
506.3 (3.4)	232Th(3473.0,566.6)	516.8 (11.2)	146Nd(314.7,78.0)
506.5 (4.0)	164Dy(184.3,538.5)	517.1 (18.7)	196Pt(5846.3,649.2)
506.5 (3.9)	131Xe(667.5,667.8)	517.2 (2.3)	192Os(5276.0,5583.3)
506.5 (2.9)	193Ir(371.5,112.2)	517.3 (15.7)	184W(4573.6,1181.6)
507.1 (7.5)	168Er(64.6,4908.8)	517.4 (9.7)	148Nd(165.1,138.4)
507.5 (4.4)	162Dy(351.1,421.9)	517.7 (6.6)	70Ge(499.9,174.9)
507.7 (2.5)	181Ta(270.4,5965.0)	517.9 (8.3)	115In(273.0,85.6)
508.0 (21.1)	194Ir(300.3,175.2)	518.1 (6.3)	193Ir(371.5,112.2)
508.2 (8.0)	184Os(431.2,6588.0)	518.1 (20.0)	93Nb(99.4,255.9)
508.4(100.0)	69Ga(508.4,691.0)	518.2 (13.6)	76Se(239.0,520.6)
508.5 (2.5)	107Ag(79.1,206.6)	518.6 (2.3)	187Re(63.6,290.7)
508.6(100.0)	176Hf(508.6,112.9)	518.6 (35.4)	194Ir(300.3,175.2)
508.9 (2.3)	181Ta(270.4,5965.0)	519.3 (2.3)	133Cs(11.2,116.4)
508.9 (4.4)	164Dy(184.3,538.5)	519.8 (2.7)	159Tb(75.1,63.7)
509.0 (15.5)	141Pr(176.9,140.9)	520.0 (11.3)	natCa(1942.0,6419.9)
509.0 (2.5)	165Ho(136.7,116.8)	520.3 (28.4)	201Hg(439.5,520.3)
509.0 (2.0)	152Eu(97.4,103.2)	520.3 (2.2)	193Ir(371.5,112.2)
509.9 (8.6)	193Ir(371.5,112.2)	520.6 (7.9)	193Ir(371.5,112.2)
509.9 (2.1)	181Ta(270.4,5965.0)	520.6 (58.8)	76Se(239.0,520.6)
510.1 (2.1)	197Au(214.8,6252.6)	520.9 (8.1)	193Ir(371.5,112.2)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
521.2(6.0)	195Pt(355.7,333.0)	529.1(2.1)	161Dy(185.0,882.3)
521.2(8.1)	193Ir(371.5,112.2)	529.5(5.2)	133Cs(11.2,116.4)
521.4(3.5)	152Eu(97.4,103.2)	529.6(4.4)	197Au(214.8,6252.6)
521.4(2.7)	198Au(493.8,317.1)	529.9(3.1)	232Th(3473.0,566.6)
521.6(5.5)	115In(273.0,85.6)	530.0(3.7)	85Rb(557.0,488.0)
521.7(3.6)	232Th(3473.0,566.6)	530.3(2.9)	193Ir(371.5,112.2)
521.8(15.6)	238U(12.0,133.8)	530.5(4.7)	148Nd(165.1,138.4)
522.0(66.7)	186Os(427.1,400.8)	530.8(6.7)	193Ir(371.5,112.2)
522.7(2.9)	131Xe(667.5,667.8)	531.1(6.6)	72Ge(326.0,6390.2)
522.8(43.4)	232Th(3473.0,566.6)	531.1(7.9)	186W(59.2,145.8)
522.9(4.0)	natK(770.3,2073.6)	531.3(4.0)	194Pt(211.4,98.9)
523.2(9.0)	150Nd(189.1,57.7)	531.4(4.9)	193Ir(371.5,112.2)
523.8(2.2)	49Ti(1553.8,1121.1)	531.4(3.1)	152Eu(97.4,103.2)
523.8(10.3)	196Pt(5846.3,649.2)	531.5(48.9)	166Er(207.8,798.8)
524.1(2.9)	198Au(493.8,317.1)	531.6(18.2)	232Th(3473.0,566.6)
524.1(2.6)	133Cs(11.2,116.4)	531.7(5.1)	248Cm(1408.3,1622.9)
524.2(2.3)	152Sm(127.3,35.8)	531.9(80.0)	86Kr(1475.9,3392.6)
524.3(3.3)	164Dy(184.3,538.5)	532.0(27.7)	68Zn(1008.0,5474.0)
524.5(5.4)	248Cm(1408.3,1622.9)	532.1(2.7)	154Gd(86.5,105.3)
524.8(22.2)	168Er(64.6,4908.8)	532.7(4.8)	159Tb(75.1,63.7)
524.8(3.4)	197Au(214.8,6252.6)	532.9(3.3)	226Ra(90.0,64.3)
524.8(18.6)	194Pt(211.4,98.9)	532.9(2.1)	152Sm(127.3,35.8)
525.2(2.1)	85Rb(557.0,488.0)	533.0(2.2)	173Yb(176.6,1241.9)
525.2(2.6)	159Tb(75.1,63.7)	533.1(3.1)	162Dy(351.1,421.9)
525.3(3.4)	146Nd(314.7,78.0)	533.1(2.1)	160Dy(6087.3,48.9)
525.5(2.5)	193Ir(371.5,112.2)	533.2(2.3)	186W(59.2,145.8)
525.6(3.6)	133Cs(11.2,116.4)	533.3(5.2)	194Pt(211.4,98.9)
525.6(12.6)	98Mo(97.6,351.0)	533.4(4.6)	152Eu(97.4,103.2)
525.7(7.4)	159Tb(75.1,63.7)	533.5(2.2)	165Ho(136.7,116.8)
525.8(2.8)	93Nb(99.4,255.9)	533.8(2.7)	164Dy(184.3,538.5)
526.0(2.0)	159Tb(75.1,63.7)	534.1(2.3)	193Ir(371.5,112.2)
526.5(17.0)	100Mo(180.7,237.6)	534.1(2.2)	63Cu(7916.3,278.2)
526.6(5.7)	70Ge(499.9,174.9)	534.3(10.9)	98Mo(97.6,351.0)
526.6(3.6)	232Th(3473.0,566.6)	534.3(2.0)	176Yb(104.5,151.6)
526.7(2.4)	127I(133.6,27.4)	534.3(3.3)	226Ra(90.0,64.3)
527.2(2.2)	193Ir(371.5,112.2)	534.4(4.6)	194Pt(211.4,98.9)
527.2(2.5)	196Pt(5846.3,649.2)	534.7(12.3)	168Er(64.6,4908.8)
527.3(2.9)	243Am(87.7,75.3)	534.7(5.4)	174Yb(514.9,5266.7)
527.4(2.6)	159Tb(75.1,63.7)	534.9(2.2)	193Ir(371.5,112.2)
527.4(2.3)	107Ag(79.1,206.6)	535.3(2.9)	181Ta(270.4,5965.0)
527.4(2.2)	113In(311.6,287.7)	535.3(3.4)	232Th(3473.0,566.6)
527.5(5.3)	175Lu(71.5,225.4)	535.4(2.1)	152Sm(127.3,35.8)
527.5(50.2)	190Os(5146.8,527.5)	535.4(4.4)	238U(12.0,133.8)
527.6(4.2)	93Nb(99.4,255.9)	535.5(8.9)	205Tl(304.9,266.1)
527.6(2.2)	71Ga(145.1,192.0)	535.5(3.1)	150Sm(167.8,5281.1)
527.8(4.4)	141Pr(176.9,140.9)	535.5(3.9)	248Cm(1408.3,1622.9)
527.9(5.2)	186W(59.2,145.8)	535.6(4.4)	71Ga(145.1,192.0)
528.0(3.9)	230Th(185.7,4284.9)	535.7(100.0)	129Xe(535.7,585.5)
528.4(8.2)	72Ge(326.0,6390.2)	535.9(4.0)	164Dy(184.3,538.5)
528.4(2.1)	133Cs(11.2,116.4)	535.9(2.6)	193Ir(371.5,112.2)
528.6(2.1)	139La(5097.7,4842.7)	536.3(14.7)	186Os(427.1,400.8)
528.7(7.9)	166Er(207.8,798.8)	536.3(6.8)	193Ir(371.5,112.2)
528.9(22.0)	197Au(214.8,6252.6)	536.9(16.3)	85Rb(557.0,488.0)
528.9(5.5)	148Nd(165.1,138.4)	537.6(19.3)	190Os(5146.8,527.5)
528.9(13.0)	122Te(158.9,439.9)	538.0(2.4)	193Ir(371.5,112.2)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
538.2 (3.4)	113In(311.6,287.7)	544.8 (3.4)	190Os(5146.8,527.5)
538.2 (2.5)	170Er(197.9,904.0)	545.0 (8.6)	166Er(207.8,798.8)
538.3 (2.6)	237Np(182.9,49.4)	545.0 (2.1)	168Er(64.6,4908.8)
538.5 (42.2)	164Dy(184.3,538.5)	545.3 (3.1)	77Se(613.7,694.9)
538.9 (16.3)	85Rb(557.0,488.0)	545.5 (22.8)	102Ru(174.0,136.1)
538.9 (9.9)	136Xe(601.0,3424.6)	546.0 (2.8)	121Sb(61.4,78.1)
539.0 (4.2)	152Eu(97.4,103.2)	546.2 (3.1)	193Ir(371.5,112.2)
539.2 (8.4)	194Ir(300.3,175.2)	546.4 (16.5)	141Pr(176.9,140.9)
539.2 (5.3)	150Nd(189.1,57.7)	546.6 (3.5)	160Dy(6087.3,48.9)
539.2 (3.1)	148Nd(165.1,138.4)	546.8 (2.3)	142Nd(742.1,563.8)
539.3 (15.6)	238U(12.0,133.8)	546.9 (10.6)	193Ir(371.5,112.2)
539.4 (5.0)	248Cm(1408.3,1622.9)	547.1 (6.0)	45Sc(227.8,142.5)
539.4 (4.8)	133Cs(11.2,116.4)	547.2 (2.4)	186W(59.2,145.8)
539.4 (11.5)	45Sc(227.8,142.5)	547.3 (2.0)	137Ba(1435.9,5730.8)
539.4 (6.1)	104Ru(143.2,159.3)	547.4 (7.0)	150Nd(189.1,57.7)
539.6 (27.8)	232Th(3473.0,566.6)	547.6 (13.7)	193Ir(371.5,112.2)
539.6 (5.5)	100Mo(180.7,237.6)	548.2 (18.5)	232Th(3473.0,566.6)
539.6 (4.6)	102Ru(174.0,136.1)	548.4 (3.2)	150Nd(189.1,57.7)
539.6 (24.6)	184Os(431.2,6588.0)	548.5 (4.2)	163Dy(688.4,754.8)
539.6 (2.1)	157Gd(181.9,79.5)	548.6 (2.7)	248Cm(1408.3,1622.9)
539.7(100.0)	99Ru(539.7,687.0)	548.6 (6.9)	197Au(214.8,6252.6)
540.0 (8.1)	150Nd(189.1,57.7)	548.7 (5.7)	115In(273.0,85.6)
540.0 (5.6)	197Au(214.8,6252.6)	548.8 (6.1)	226Ra(90.0,64.3)
540.2 (9.8)	100Mo(180.7,237.6)	548.9 (2.3)	98Mo(97.6,351.0)
540.6 (4.3)	104Ru(143.2,159.3)	549.0 (3.1)	232Th(3473.0,566.6)
540.6 (3.5)	204Pb(2.3,6729.4)	549.0 (4.9)	193Ir(371.5,112.2)
540.9 (2.8)	186W(59.2,145.8)	549.0 (12.5)	139La(5097.7,4842.7)
540.9 (6.7)	205Tl(304.9,266.1)	549.3 (3.3)	81Br(29.1,287.7)
541.0 (3.9)	203Tl(139.9,319.3)	549.5 (3.1)	175Lu(71.5,225.4)
541.2 (2.8)	237Np(182.9,49.4)	549.6 (3.0)	79Br(37.1,245.2)
541.4 (2.2)	55Mn(26.6,7243.8)	550.0(100.0)	147Sm(550.0,630.2)
541.5 (5.3)	159Tb(75.1,63.7)	550.3 (9.5)	160Dy(6087.3,48.9)
541.8 (10.6)	72Ge(326.0,6390.2)	550.3 (6.1)	248Cm(1408.3,1622.9)
541.9 (2.3)	81Br(29.1,287.7)	550.4 (2.7)	176Lu(150.4,138.6)
542.0 (4.7)	86Sr(484.8,8039.2)	550.5 (2.7)	176Yb(104.5,151.6)
542.1 (3.8)	81Br(29.1,287.7)	550.7 (3.4)	27Al(7723.9,2960.0)
542.1 (3.8)	238U(12.0,133.8)	551.0 (2.6)	193Ir(371.5,112.2)
542.2 (10.3)	196Pt(5846.3,649.2)	551.4 (4.8)	197Au(214.8,6252.6)
542.3 (3.3)	121Sb(61.4,78.1)	551.8 (31.4)	184Os(431.2,6588.0)
542.3 (5.6)	238U(12.0,133.8)	552.1 (3.6)	176Lu(150.4,138.6)
542.5 (6.3)	79Br(37.1,245.2)	552.1 (32.8)	238U(12.0,133.8)
542.5 (7.5)	194Ir(300.3,175.2)	552.1 (7.1)	193Ir(371.5,112.2)
542.8 (20.2)	150Nd(189.1,57.7)	552.9 (2.8)	144Nd(852.8,4836.9)
542.9 (12.7)	165Ho(136.7,116.8)	553.1 (7.0)	139La(5097.7,4842.7)
543.0 (3.1)	232Th(3473.0,566.6)	553.2 (21.0)	120Sn(925.7,942.9)
543.0 (66.9)	198Au(493.8,317.1)	553.4 (3.4)	232Th(3473.0,566.6)
543.2 (4.2)	139La(5097.7,4842.7)	553.8 (2.1)	193Ir(371.5,112.2)
543.4 (2.4)	148Nd(165.1,138.4)	554.1 (13.4)	238U(12.0,133.8)
543.7 (3.5)	167Er(184.3,6677.4)	554.1 (4.4)	238U(12.0,133.8)
543.7 (8.7)	165Ho(136.7,116.8)	554.2 (2.4)	100Mo(180.7,237.6)
543.7 (4.7)	197Au(214.8,6252.6)	554.3 (2.2)	165Ho(136.7,116.8)
543.9 (10.2)	65Cu(186.0,465.2)	554.4 (4.3)	193Ir(371.5,112.2)
544.1 (4.0)	194Pt(211.4,98.9)	554.4 (2.5)	187Re(63.6,290.7)
544.2 (2.6)	241Am(186.4,154.6)	554.5 (28.6)	45Sc(227.8,142.5)
544.5 (2.5)	192Os(5276.0,5583.3)	554.6 (25.8)	102Ru(174.0,136.1)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
554.6(2.5)	133Cs(11.2,116.4)	561.8(4.3)	70Ge(499.9,174.9)
554.8(8.8)	146Nd(314.7,78.0)	562.0(18.2)	168Er(64.6,4908.8)
554.8(3.2)	166Er(207.8,798.8)	562.0(5.0)	238U(12.0,133.8)
554.8(2.7)	160Dy(6087.3,48.9)	562.3(9.9)	93Nb(99.4,255.9)
554.8(9.5)	154Gd(86.5,105.3)	562.7(3.1)	104Ru(143.2,159.3)
554.9(5.2)	152Eu(97.4,103.2)	562.8(6.3)	170Er(197.9,904.0)
555.1(9.5)	123Sb(87.6,40.8)	562.8(5.5)	198Au(493.8,317.1)
555.2(2.8)	168Yb(191.2,720.0)	562.9(22.2)	102Ru(174.0,136.1)
555.3(2.3)	237Np(182.9,49.4)	562.9(2.8)	203Tl(139.9,319.3)
555.3(42.1)	85Rb(557.0,488.0)	563.0(9.1)	150Nd(189.1,57.7)
555.3(16.1)	100Mo(180.7,237.6)	563.2(2.2)	238U(12.0,133.8)
555.5(2.5)	115In(273.0,85.6)	563.2(3.6)	75Se(559.1,8724.4)
555.6(5.9)	191Os(205.8,374.5)	563.2(12.7)	186Os(427.1,400.8)
555.7(2.6)	150Nd(189.1,57.7)	563.2(2.5)	168Yb(191.2,720.0)
556.0(24.9)	59Co(58.9,229.7)	563.5(9.6)	176Yb(104.5,151.6)
556.1(4.1)	170Er(197.9,904.0)	563.8(24.3)	142Nd(742.1,563.8)
556.2(4.9)	115In(273.0,85.6)	563.9(10.7)	175Lu(71.5,225.4)
556.3(3.0)	190Os(5146.8,527.5)	564.0(2.1)	144Nd(852.8,4836.9)
556.8(9.8)	115In(273.0,85.6)	564.0(27.4)	52Cr(7938.6,564.0)
556.8(3.8)	193Ir(371.5,112.2)	564.1(2.3)	234U(637.8,129.3)
556.9(18.2)	232Th(3473.0,566.6)	564.5(4.6)	154Sm(4987.1,4876.3)
557.0(100.0)	85Rb(557.0,488.0)	564.6(18.2)	232Th(3473.0,566.6)
557.1(7.2)	193Ir(371.5,112.2)	564.7(2.1)	152Sm(127.3,35.8)
557.2(18.9)	186W(59.2,145.8)	564.7(3.2)	123Sb(87.6,40.8)
557.2(2.8)	237Np(182.9,49.4)	564.9(3.2)	85Rb(557.0,488.0)
557.4(14.4)	141Pr(176.9,140.9)	565.0(22.7)	104Ru(143.2,159.3)
557.6(12.0)	153Gd(123.1,247.9)	565.1(3.0)	150Sm(167.8,5281.1)
557.6(21.4)	31P(3900.3,2154.2)	565.4(4.3)	81Br(29.1,287.7)
557.7(5.1)	193Ir(371.5,112.2)	565.5(3.8)	197Au(214.8,6252.6)
558.0(38.9)	189Os(186.7,558.0)	565.7(2.2)	76Se(239.0,520.6)
558.0(32.2)	188Os(5414.9,343.5)	565.8(2.2)	187Re(63.6,290.7)
558.1(2.2)	193Ir(371.5,112.2)	565.9(21.3)	54Cr(6246.4,241.9)
558.3(3.4)	234U(637.8,129.3)	566.0(4.3)	160Dy(6087.3,48.9)
558.4(15.0)	196Pt(5846.3,649.2)	566.1(18.6)	81Br(29.1,287.7)
558.5(100.0)	113Cd(558.5,651.3)	566.4(3.3)	193Ir(371.5,112.2)
558.5(5.2)	193Ir(371.5,112.2)	566.5(14.7)	186Os(427.1,400.8)
558.7(2.9)	55Mn(26.6,7243.8)	566.6(91.1)	232Th(3473.0,566.6)
559.0(3.4)	27Al(7723.9,2960.0)	567.4(39.6)	139La(5097.7,4842.7)
559.1(2.1)	181Ta(270.4,5965.0)	567.4(3.2)	160Dy(6087.3,48.9)
559.1(100.0)	75Se(559.1,8724.4)	567.4(8.7)	100Mo(180.7,237.6)
559.4(8.4)	154Gd(86.5,105.3)	567.4(2.1)	193Ir(371.5,112.2)
559.5(4.1)	167Er(184.3,6677.4)	567.4(2.3)	129I(6408.4,5821.7)
559.6(3.8)	162Dy(351.1,421.9)	567.5(7.9)	152Sm(127.3,35.8)
559.6(12.4)	natMg(3916.7,2828.1)	567.8(2.7)	115In(273.0,85.6)
559.9(2.0)	115In(273.0,85.6)	568.1(5.9)	76Se(239.0,520.6)
560.0(2.3)	64Zn(7863.0,751.0)	568.4(2.2)	102Ru(174.0,136.1)
560.2(3.7)	23Na(472.4,6395.4)	568.4(7.6)	172Yb(399.4,116.1)
560.2(11.3)	141Pr(176.9,140.9)	568.4(6.1)	193Ir(371.5,112.2)
560.3(10.5)	72Ge(326.0,6390.2)	568.5(3.5)	152Sm(127.3,35.8)
560.3(3.5)	100Mo(180.7,237.6)	568.8(2.2)	167Er(184.3,6677.4)
560.4(5.6)	168Yb(191.2,720.0)	569.2(6.1)	100Mo(180.7,237.6)
560.7(5.4)	88Sr(1032.0,934.5)	569.2(4.6)	232Th(3473.0,566.6)
561.0(22.5)	91Zr(934.5,1405.2)	569.3(32.1)	189Os(186.7,558.0)
561.1(15.1)	232Th(3473.0,566.6)	569.8(7.1)	193Ir(371.5,112.2)
561.2(2.0)	123Sb(87.6,40.8)	569.8(5.0)	164Dy(184.3,538.5)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
569.9 (10.3)	141Pr(176.9,140.9)	578.7 (2.8)	152Eu(97.4,103.2)
570.1 (2.8)	131Xe(667.5,667.8)	578.9 (13.6)	76Se(239.0,520.6)
570.1 (29.2)	184W(4573.6,1181.6)	579.0 (4.1)	193Ir(371.5,112.2)
570.2 (2.1)	81Br(29.1,287.7)	579.3 (2.4)	199Hg(367.9,5967.4)
570.5 (8.4)	168Yb(191.2,720.0)	579.3 (2.0)	241Am(186.4,154.6)
570.7 (3.2)	193Ir(371.5,112.2)	579.5 (2.7)	190Os(5146.8,527.5)
570.7 (4.3)	148Nd(165.1,138.4)	579.6 (2.8)	193Ir(371.5,112.2)
570.8 (2.1)	133Cs(11.2,116.4)	579.8 (7.5)	63Cu(7916.3,278.2)
570.9 (8.3)	58Fe(287.0,6293.6)	579.9 (2.4)	152Sm(127.3,35.8)
570.9 (3.7)	113In(311.6,287.7)	580.0 (5.3)	232Th(3473.0,566.6)
571.1 (3.7)	123Sb(87.6,40.8)	580.0 (2.1)	185Re(59.0,214.6)
571.4 (5.1)	197Au(214.8,6252.6)	580.3 (6.9)	238U(12.0,133.8)
571.9 (10.4)	70Ge(499.9,174.9)	580.4 (26.0)	191Os(205.8,374.5)
572.2 (3.3)	natK(770.3,2073.6)	580.5 (20.3)	184W(4573.6,1181.6)
572.3 (4.4)	147Sm(550.0,630.2)	580.5 (3.4)	187Re(63.6,290.7)
572.7 (2.5)	226Ra(90.0,64.3)	580.9 (4.6)	193Ir(371.5,112.2)
572.7 (22.5)	168Yb(191.2,720.0)	581.3 (3.5)	81Br(29.1,287.7)
572.9 (4.1)	161Dy(185.0,882.3)	581.7 (2.5)	148Nd(165.1,138.4)
573.0 (2.1)	74Se(286.6,7734.1)	581.8 (14.0)	194Ir(300.3,175.2)
573.2 (5.0)	176Yb(104.5,151.6)	582.0 (2.5)	238U(12.0,133.8)
573.4 (11.3)	141Pr(176.9,140.9)	582.1 (6.4)	154Sm(4987.1,4876.3)
573.6 (2.0)	197Au(214.8,6252.6)	582.2(100.0)	19F(582.2,3589.3)
573.8 (20.3)	166Er(207.8,798.8)	582.4 (3.8)	232Th(3473.0,566.6)
573.8 (9.9)	204Pb(2.3,6729.4)	582.5 (3.1)	81Br(29.1,287.7)
574.0 (4.3)	69Ga(508.4,691.0)	582.7 (2.3)	193Ir(371.5,112.2)
574.2 (24.2)	89Y(6080.5,776.7)	582.8 (3.4)	234U(637.8,129.3)
574.3 (3.6)	139La(5097.7,4842.7)	583.0 (4.2)	152Sm(127.3,35.8)
574.4 (3.1)	232Th(3473.0,566.6)	583.1 (12.7)	232Th(3473.0,566.6)
574.4 (6.2)	194Ir(300.3,175.2)	583.8 (2.8)	166Er(207.8,798.8)
574.6 (3.0)	76Se(239.0,520.6)	583.9 (24.5)	232Th(3473.0,566.6)
574.7(100.0)	74Ge(574.7,253.7)	584.0 (14.5)	100Mo(180.7,237.6)
574.8 (4.5)	193Ir(371.5,112.2)	584.0 (7.2)	162Dy(351.1,421.9)
574.9 (3.5)	241Am(186.4,154.6)	584.0 (14.4)	164Dy(184.3,538.5)
575.3 (2.2)	150Sm(167.8,5281.1)	584.2 (9.8)	149Sm(333.9,439.4)
575.3 (2.2)	natK(770.3,2073.6)	584.3 (3.0)	237Np(182.9,49.4)
575.7 (13.0)	193Ir(371.5,112.2)	584.8 (29.0)	45Sc(227.8,142.5)
576.0 (4.3)	148Nd(165.1,138.4)	584.8 (3.1)	193Ir(371.5,112.2)
576.1 (6.0)	113Cd(558.5,651.3)	585.2 (52.6)	natMg(3916.7,2828.1)
576.2 (2.8)	102Ru(174.0,136.1)	585.4 (4.2)	76Se(239.0,520.6)
576.2 (20.6)	186Os(427.1,400.8)	585.5 (29.6)	129Xe(535.7,585.5)
576.3 (3.2)	204Pb(2.3,6729.4)	585.6 (3.8)	232Th(3473.0,566.6)
576.4 (10.9)	168Yb(191.2,720.0)	585.6 (2.1)	159Tb(75.1,63.7)
576.8 (5.1)	193Ir(371.5,112.2)	585.6 (4.7)	87Sr(1836.0,898.0)
577.0 (2.5)	197Au(214.8,6252.6)	585.8 (7.8)	226Ra(90.0,64.3)
577.0 (2.5)	165Ho(136.7,116.8)	585.9 (25.0)	163Dy(688.4,754.8)
577.3 (31.1)	186W(59.2,145.8)	586.0 (2.1)	160Dy(6087.3,48.9)
577.4 (6.7)	240Pu(4276.5,4151.3)	586.1 (18.7)	232Th(3473.0,566.6)
577.5 (5.2)	115In(273.0,85.6)	586.4 (10.1)	100Mo(180.7,237.6)
577.9 (43.2)	232Th(3473.0,566.6)	586.4 (4.1)	152Sm(127.3,35.8)
578.0 (15.1)	146Nd(314.7,78.0)	587.0 (52.0)	186Os(427.1,400.8)
578.0 (9.8)	104Ru(143.2,159.3)	588.0 (3.0)	174Hf(125.7,5842.2)
578.3 (7.7)	196Pt(5846.3,649.2)	588.2 (2.6)	150Sm(167.8,5281.1)
578.5 (3.0)	67Zn(1077.3,1883.1)	588.2 (5.4)	150Nd(189.1,57.7)
578.5 (4.7)	175Lu(71.5,225.4)	588.4 (4.1)	193Ir(371.5,112.2)
578.6 (9.8)	232Th(3473.0,566.6)	588.7 (4.0)	176Yb(104.5,151.6)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
588.7(3.0)	186W(59.2,145.8)	598.1(5.4)	193Ir(371.5,112.2)
588.7(4.8)	232Th(3473.0,566.6)	598.1(2.8)	150Sm(167.8,5281.1)
588.9(3.8)	238U(12.0,133.8)	598.7(24.0)	123Sb(87.6,40.8)
588.9(37.7)	194Ir(300.3,175.2)	598.7(6.7)	240Pu(4276.5,4151.3)
588.9(9.5)	248Cm(1408.3,1622.9)	599.0(2.3)	154Gd(86.5,105.3)
589.3(6.9)	102Ru(174.0,136.1)	599.1(5.8)	232Th(3473.0,566.6)
589.3(7.3)	160Dy(6087.3,48.9)	599.2(31.0)	168Er(64.6,4908.8)
589.4(8.3)	145Nd(7110.8,6093.9)	599.2(11.7)	234U(637.8,129.3)
589.6(19.1)	168Er(64.6,4908.8)	599.7(7.1)	193Ir(371.5,112.2)
589.7(30.4)	184Os(431.2,6588.0)	599.7(3.4)	176Yb(104.5,151.6)
589.8(2.7)	152Sm(127.3,35.8)	600.0(2.5)	107Ag(79.1,206.6)
589.8(4.9)	248Cm(1408.3,1622.9)	600.2(6.8)	131Xe(667.5,667.8)
589.9(3.0)	natCl(1950.9,6110.9)	600.2(7.1)	159Tb(75.1,63.7)
590.0(36.0)	194Ir(300.3,175.2)	600.3(4.7)	238U(12.0,133.8)
590.0(2.2)	232Th(3473.0,566.6)	600.5(20.5)	193Ir(371.5,112.2)
590.2(9.9)	198Au(493.8,317.1)	600.5(9.1)	238U(12.0,133.8)
590.4(5.3)	238U(12.0,133.8)	600.9(15.3)	194Ir(300.3,175.2)
590.5(16.7)	186Os(427.1,400.8)	601.0(24.2)	154Sm(4987.1,4876.3)
590.6(3.1)	93Nb(99.4,255.9)	601.0(100.0)	136Xe(601.0,3424.6)
590.6(6.0)	136Ce(434.0,514.2)	601.3(7.9)	198Au(493.8,317.1)
590.7(3.1)	159Tb(75.1,63.7)	601.4(3.6)	71Ga(145.1,192.0)
590.7(41.4)	168Yb(191.2,720.0)	601.6(5.3)	108Pd(113.4,245.1)
590.8(2.2)	160Dy(6087.3,48.9)	601.9(4.2)	193Ir(371.5,112.2)
590.9(15.9)	194Pt(211.4,98.9)	601.9(5.4)	197Au(214.8,6252.6)
590.9(2.4)	99Ru(539.7,687.0)	602.0(5.5)	139La(5097.7,4842.7)
591.2(5.5)	58Fe(287.0,6293.6)	602.2(5.0)	232Th(3473.0,566.6)
591.5(4.9)	159Tb(75.1,63.7)	602.2(4.4)	248Cm(1408.3,1622.9)
591.8(6.4)	166Er(207.8,798.8)	602.3(7.8)	115In(273.0,85.6)
592.1(7.3)	102Ru(174.0,136.1)	602.4(5.7)	234U(637.8,129.3)
592.3(7.2)	238U(12.0,133.8)	602.4(100.0)	123Te(602.4,722.4)
593.2(18.5)	232Th(3473.0,566.6)	602.6(3.6)	187Re(63.6,290.7)
593.4(3.0)	159Tb(75.1,63.7)	603.0(23.4)	136Ce(434.0,514.2)
593.6(17.1)	240Pu(4276.5,4151.3)	603.0(12.3)	193Ir(371.5,112.2)
593.6(17.2)	238U(12.0,133.8)	603.3(2.2)	152Eu(97.4,103.2)
593.8(3.3)	152Sm(127.3,35.8)	603.6(2.3)	121Sb(61.4,78.1)
593.9(11.5)	166Er(207.8,798.8)	603.7(2.6)	150Sm(167.8,5281.1)
594.3(4.6)	194Pt(211.4,98.9)	603.7(2.4)	100Mo(180.7,237.6)
594.9(46.9)	188Os(5414.9,343.5)	603.8(6.9)	160Dy(6087.3,48.9)
595.1(12.5)	139La(5097.7,4842.7)	603.8(5.3)	166Er(207.8,798.8)
595.2(5.5)	196Pt(5846.3,649.2)	604.0(2.3)	193Ir(371.5,112.2)
595.2(24.6)	31P(3900.3,2154.2)	604.0(3.4)	150Nd(189.1,57.7)
595.2(2.0)	81Br(29.1,287.7)	604.6(46.2)	146Nd(314.7,78.0)
595.3(3.8)	232Th(3473.0,566.6)	605.3(4.9)	189Os(186.7,558.0)
595.4(2.9)	234U(637.8,129.3)	605.4(3.2)	193Ir(371.5,112.2)
595.6(2.2)	159Tb(75.1,63.7)	605.4(23.7)	232Th(3473.0,566.6)
595.8(9.8)	150Nd(189.1,57.7)	605.6(8.4)	238U(12.0,133.8)
595.8(100.0)	73Ge(595.8,867.9)	605.8(2.5)	193Ir(371.5,112.2)
596.3(2.3)	193Ir(371.5,112.2)	605.9(2.9)	152Sm(127.3,35.8)
596.6(4.3)	152Eu(97.4,103.2)	606.3(11.7)	176Yb(104.5,151.6)
596.7(3.1)	164Dy(184.3,538.5)	606.4(3.5)	157Gd(181.9,79.5)
596.8(14.6)	natN(5269.2,1884.8)	606.7(2.6)	148Nd(165.1,138.4)
596.9(2.1)	175Lu(71.5,225.4)	606.7(2.4)	237Np(182.9,49.4)
597.1(5.9)	27Al(7723.9,2960.0)	606.8(5.2)	111Cd(617.5,851.2)
597.1(3.5)	193Ir(371.5,112.2)	606.9(6.0)	193Ir(371.5,112.2)
597.8(2.1)	150Sm(167.8,5281.1)	607.5(2.4)	185Re(59.0,214.6)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
607.6 (2.6)	193Ir (371.5, 112.2)	615.2 (2.8)	180Hf (5695.9, 5649.7)
607.6 (11.9)	160Dy (6087.3, 48.9)	615.3 (4.1)	193Ir (371.5, 112.2)
607.6 (5.5)	183W (111.2, 903.3)	615.3 (6.0)	154Gd (86.5, 105.3)
608.1 (3.0)	148Nd (165.1, 138.4)	615.4 (6.6)	70Ge (499.9, 174.9)
608.1 (17.1)	240Pu (4276.5, 4151.3)	615.7 (6.6)	193Ir (371.5, 112.2)
608.1 (8.7)	81Br (29.1, 287.7)	615.8 (6.0)	234U (637.8, 129.3)
608.2 (12.9)	100Mo (180.7, 237.6)	616.2 (18.7)	105Pd (511.9, 717.4)
608.4 (22.4)	73Ge (595.8, 867.9)	616.3 (13.1)	186W (59.2, 145.8)
608.4 (9.2)	115In (273.0, 85.6)	616.4 (100.0)	124Sn (187.6, 616.4)
608.4 (5.3)	natMg (3916.7, 2828.1)	616.4 (5.1)	193Ir (371.5, 112.2)
608.4 (7.9)	162Dy (351.1, 421.9)	616.8 (2.6)	168Er (64.6, 4908.8)
608.4 (3.7)	234U (637.8, 129.3)	616.8 (4.3)	241Am (186.4, 154.6)
608.7 (5.8)	95Mo (778.3, 850.0)	617.1 (6.5)	193Ir (371.5, 112.2)
608.7 (5.3)	193Ir (371.5, 112.2)	617.1 (2.3)	166Er (207.8, 798.8)
608.7 (3.8)	74Se (286.6, 7734.1)	617.2 (14.3)	234U (637.8, 129.3)
608.8 (23.6)	63Cu (7916.3, 278.2)	617.4 (2.2)	63Cu (7916.3, 278.2)
608.8 (2.4)	79Br (37.1, 245.2)	617.5 (100.0)	111Cd (617.5, 851.2)
609.2 (6.1)	152Eu (97.4, 103.2)	617.5 (8.7)	154Sm (4987.1, 4876.3)
609.2 (6.5)	187Re (63.6, 290.7)	617.7 (2.1)	194Pt (211.4, 98.9)
609.3 (4.2)	184Os (431.2, 6588.0)	618.0 (3.4)	104Ru (143.2, 159.3)
609.3 (3.3)	81Br (29.1, 287.7)	618.1 (2.4)	193Ir (371.5, 112.2)
609.8 (14.8)	193Ir (371.5, 112.2)	618.3 (20.0)	234U (637.8, 129.3)
610.2 (4.0)	193Ir (371.5, 112.2)	619.1 (5.0)	176Hf (508.6, 112.9)
610.2 (2.8)	198Au (493.8, 317.1)	619.2 (2.4)	241Am (186.4, 154.6)
610.4 (2.1)	76Se (239.0, 520.6)	619.3 (2.3)	193Ir (371.5, 112.2)
610.4 (38.2)	186Os (427.1, 400.8)	620.1 (3.6)	81Br (29.1, 287.7)
610.7 (11.1)	74Se (286.6, 7734.1)	620.1 (3.5)	196Pt (5846.3, 649.2)
610.8 (16.1)	193Ir (371.5, 112.2)	620.1 (3.8)	237Np (182.9, 49.4)
610.9 (3.1)	123Sb (87.6, 40.8)	620.2 (20.6)	141Pr (176.9, 140.9)
611.0 (4.2)	163Dy (688.4, 754.8)	620.5 (2.2)	123Sb (87.6, 40.8)
611.1 (22.0)	147Sm (550.0, 630.2)	620.6 (7.0)	150Sm (167.8, 5281.1)
611.3 (2.4)	193Ir (371.5, 112.2)	620.6 (3.5)	184Os (431.2, 6588.0)
611.3 (2.9)	172Yb (399.4, 116.1)	621.3 (2.7)	81Br (29.1, 287.7)
611.3 (7.6)	186W (59.2, 145.8)	621.6 (6.3)	248Cm (1408.3, 1622.9)
611.4 (2.2)	238U (12.0, 133.8)	621.7 (4.2)	146Nd (314.7, 78.0)
611.6 (3.0)	168Yb (191.2, 720.0)	621.9 (5.7)	234U (637.8, 129.3)
611.6 (2.9)	234U (637.8, 129.3)	622.0 (3.8)	105Pd (511.9, 717.4)
611.8 (3.3)	226Ra (90.0, 64.3)	622.1 (3.5)	133Cs (11.2, 116.4)
611.9 (2.1)	150Sm (167.8, 5281.1)	622.1 (15.7)	168Yb (191.2, 720.0)
612.0 (2.0)	83Kr (881.7, 1213.4)	622.7 (4.9)	193Ir (371.5, 112.2)
612.1 (9.1)	232Th (3473.0, 566.6)	622.8 (21.5)	152Sm (127.3, 35.8)
612.2 (17.5)	141Pr (176.9, 140.9)	622.8 (21.6)	186Os (427.1, 400.8)
612.3 (37.2)	238U (12.0, 133.8)	622.9 (12.5)	176Yb (104.5, 151.6)
612.3 (3.1)	150Sm (167.8, 5281.1)	623.0 (4.8)	232Th (3473.0, 566.6)
612.8 (10.7)	193Ir (371.5, 112.2)	623.0 (5.0)	176Hf (508.6, 112.9)
612.8 (11.1)	234U (637.8, 129.3)	623.0 (16.2)	168Yb (191.2, 720.0)
612.9 (7.0)	194Pt (211.4, 98.9)	623.3 (5.4)	193Ir (371.5, 112.2)
613.2 (2.2)	127I (133.6, 27.4)	623.4 (4.3)	100Mo (180.7, 237.6)
613.5 (3.2)	193Ir (371.5, 112.2)	623.4 (3.9)	102Ru (174.0, 136.1)
613.5 (2.0)	166Er (207.8, 798.8)	623.5 (2.1)	108Pd (113.4, 245.1)
613.7 (100.0)	77Se (613.7, 694.9)	623.6 (7.0)	139La (5097.7, 4842.7)
613.8 (2.5)	165Ho (136.7, 116.8)	623.8 (5.6)	193Ir (371.5, 112.2)
614.4 (2.6)	152Sm (127.3, 35.8)	623.9 (2.4)	187Os (155.0, 633.1)
614.6 (3.2)	193Ir (371.5, 112.2)	624.0 (2.2)	165Ho (136.7, 116.8)
614.9 (8.8)	154Gd (86.5, 105.3)	624.6 (8.5)	122Te (158.9, 439.9)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
624.6 (5.1)	160Dy(6087.3,48.9)	631.8 (19.1)	98Mo(97.6,351.0)
624.7 (6.8)	193Ir(371.5,112.2)	631.8 (8.3)	121Sb(61.4,78.1)
624.8 (17.4)	234U(637.8,129.3)	632.0 (3.3)	69Ga(508.4,691.0)
624.8 (8.6)	234U(637.8,129.3)	632.1 (2.6)	150Sm(167.8,5281.1)
625.0 (3.7)	197Au(214.8,6252.6)	632.2 (3.9)	70Ge(499.9,174.9)
625.5 (14.0)	196Pt(5846.3,649.2)	632.4 (3.9)	115In(273.0,85.6)
625.8 (10.4)	102Ru(174.0,136.1)	632.5 (2.2)	232Th(3473.0,566.6)
626.2 (2.0)	100Mo(180.7,237.6)	632.9 (2.7)	175Lu(71.5,225.4)
626.2 (5.4)	193Ir(371.5,112.2)	633.1 (4.6)	168Yb(191.2,720.0)
626.2 (17.5)	150Nd(189.1,57.7)	633.1 (57.1)	234U(637.8,129.3)
626.3 (3.7)	155Gd(199.2,89.0)	633.1 (26.9)	187Os(155.0,633.1)
626.3 (7.4)	184Os(431.2,6588.0)	633.3 (5.5)	176Yb(104.5,151.6)
626.6 (3.0)	107Ag(79.1,206.6)	633.5 (2.9)	165Ho(136.7,116.8)
626.6 (5.8)	187Re(63.6,290.7)	634.0 (4.9)	123Sb(87.6,40.8)
626.7 (9.4)	203Tl(139.9,319.3)	634.0 (14.0)	194Ir(300.3,175.2)
627.1 (3.5)	136Ce(434.0,514.2)	634.1 (3.8)	115In(273.0,85.6)
627.2 (17.3)	232Th(3473.0,566.6)	634.2 (13.4)	141Pr(176.9,140.9)
627.3 (100.0)	138Ba(627.3,4096.1)	634.2 (2.3)	161Dy(185.0,882.3)
627.4 (2.4)	146Nd(314.7,78.0)	634.5 (2.0)	154Gd(86.5,105.3)
627.5 (36.0)	45Sc(227.8,142.5)	634.8 (2.4)	159Tb(75.1,63.7)
627.6 (5.5)	152Sm(127.3,35.8)	634.9 (18.0)	187Os(155.0,633.1)
627.9 (2.1)	168Yb(191.2,720.0)	635.3 (8.4)	193Ir(371.5,112.2)
628.3 (4.4)	139La(5097.7,4842.7)	635.4 (46.9)	168Yb(191.2,720.0)
628.3 (2.4)	198Au(493.8,317.1)	635.6 (3.9)	194Pt(211.4,98.9)
628.4 (5.0)	232Th(3473.0,566.6)	635.7 (2.5)	186W(59.2,145.8)
628.6 (5.0)	159Tb(75.1,63.7)	635.8 (4.1)	150Sm(167.8,5281.1)
628.9 (2.5)	186W(59.2,145.8)	635.9 (8.1)	150Nd(189.1,57.7)
629.0 (10.4)	64Ni(6034.8,310.2)	635.9 (2.3)	193Ir(371.5,112.2)
629.4 (3.2)	150Sm(167.8,5281.1)	636.0 (2.2)	93Nb(99.4,255.9)
629.6 (2.1)	181Ta(270.4,5965.0)	636.2 (76.3)	31P(3900.3,2154.2)
629.7 (19.9)	131Xe(667.5,667.8)	636.3 (9.0)	150Sm(167.8,5281.1)
629.7 (8.6)	240Pu(4276.5,4151.3)	636.3 (25.0)	194Ir(300.3,175.2)
629.7 (11.6)	238U(12.0,133.8)	636.6 (42.1)	184W(4573.6,1181.6)
629.8 (7.8)	226Ra(90.0,64.3)	636.7 (2.2)	107Ag(79.1,206.6)
629.8 (3.8)	232Th(3473.0,566.6)	636.7 (2.2)	150Sm(167.8,5281.1)
629.9 (9.4)	203Tl(139.9,319.3)	636.7 (5.8)	196Pt(5846.3,649.2)
630.0 (2.7)	102Ru(174.0,136.1)	637.0 (5.0)	190Os(5146.8,527.5)
630.1 (2.8)	162Dy(351.1,421.9)	637.1 (4.6)	193Ir(371.5,112.2)
630.2 (4.1)	248Cm(1408.3,1622.9)	637.4 (3.3)	162Dy(351.1,421.9)
630.2 (18.5)	131Xe(667.5,667.8)	637.8 (100.0)	234U(637.8,129.3)
630.2 (38.0)	147Sm(550.0,630.2)	637.8 (5.5)	176Yb(104.5,151.6)
630.2 (27.6)	152Sm(127.3,35.8)	638.0 (2.2)	133Cs(11.2,116.4)
630.3 (6.8)	71Ga(145.1,192.0)	638.1 (2.2)	232Th(3473.0,566.6)
630.4 (2.1)	193Ir(371.5,112.2)	638.5 (6.6)	238U(12.0,133.8)
630.9 (2.8)	189Os(186.7,558.0)	638.6 (2.2)	127I(133.6,27.4)
631.0 (2.8)	185Re(59.0,214.6)	639.0 (2.7)	102Ru(174.0,136.1)
631.2 (15.5)	141Pr(176.9,140.9)	639.3 (15.1)	174Yb(514.9,5266.7)
631.3 (8.5)	104Ru(143.2,159.3)	639.4 (4.0)	70Ge(499.9,174.9)
631.3 (3.6)	226Ra(90.0,64.3)	639.5 (15.3)	85Rb(557.0,488.0)
631.5 (26.9)	146Nd(314.7,78.0)	639.6 (3.5)	100Mo(180.7,237.6)
631.5 (2.1)	193Ir(371.5,112.2)	639.8 (8.6)	240Pu(4276.5,4151.3)
631.5 (2.1)	168Er(64.6,4908.8)	639.9 (6.7)	193Ir(371.5,112.2)
631.7 (13.8)	167Er(184.3,6677.4)	640.0 (6.7)	168Er(64.6,4908.8)
631.7 (3.1)	232Th(3473.0,566.6)	640.1 (52.4)	184W(4573.6,1181.6)
631.8 (2.4)	100Mo(180.7,237.6)	640.3 (5.1)	197Au(214.8,6252.6)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
640.3 (2.0)	194Pt(211.4,98.9)	649.4 (41.1)	205Tl(304.9,266.1)
640.3 (65.0)	104Ru(143.2,159.3)	649.5 (5.7)	234U(637.8,129.3)
640.4 (6.6)	234U(637.8,129.3)	649.5 (2.4)	159Tb(75.1,63.7)
640.6 (2.7)	186W(59.2,145.8)	650.0 (21.5)	168Er(64.6,4908.8)
640.7 (4.5)	241Am(186.4,154.6)	650.1 (7.0)	72Ge(326.0,6390.2)
640.9 (6.6)	139La(5097.7,4842.7)	651.1 (2.7)	100Mo(180.7,237.6)
641.0 (5.3)	150Nd(189.1,57.7)	651.2 (6.8)	193Ir(371.5,112.2)
641.4 (21.0)	146Nd(314.7,78.0)	651.2 (21.3)	69Ga(508.4,691.0)
641.8 (2.1)	81Br(29.1,287.7)	651.3 (18.9)	113Cd(558.5,651.3)
641.8 (3.3)	226Ra(90.0,64.3)	651.6 (83.3)	186Os(427.1,400.8)
641.9 (4.3)	183W(111.2,903.3)	652.1 (37.4)	234U(637.8,129.3)
641.9 (2.6)	154Sm(4987.1,4876.3)	652.7 (2.3)	190Os(5146.8,527.5)
642.0 (8.3)	193Ir(371.5,112.2)	653.0 (2.9)	193Ir(371.5,112.2)
642.1 (6.5)	232Th(3473.0,566.6)	653.0 (3.7)	241Am(186.4,154.6)
642.2 (100.0)	235U(642.2,687.5)	654.0 (3.6)	64Zn(7863.0,751.0)
642.3 (13.8)	150Nd(189.1,57.7)	654.6 (6.7)	197Au(214.8,6252.6)
642.3 (11.1)	130Te(295.9,3346.9)	654.8 (2.6)	234U(637.8,129.3)
642.6 (2.2)	93Nb(99.4,255.9)	654.9 (7.2)	141Pr(176.9,140.9)
642.6 (2.0)	234U(637.8,129.3)	654.9 (2.1)	160Dy(6087.3,48.9)
643.1 (4.0)	45Sc(227.8,142.5)	655.3 (3.3)	60Ni(7819.6,7820.3)
643.2 (10.1)	184Os(431.2,6588.0)	655.8 (3.6)	159Tb(75.1,63.7)
643.3 (2.2)	81Br(29.1,287.7)	656.0 (6.0)	98Mo(97.6,351.0)
643.3 (7.6)	150Nd(189.1,57.7)	656.3 (7.6)	186W(59.2,145.8)
643.8 (5.3)	193Ir(371.5,112.2)	656.4 (2.3)	160Dy(6087.3,48.9)
644.7 (2.2)	160Dy(6087.3,48.9)	656.5 (55.0)	193Os(218.5,656.5)
644.8 (4.1)	160Dy(6087.3,48.9)	656.8 (4.4)	193Ir(371.5,112.2)
644.9 (9.4)	97Mo(787.4,722.7)	657.0 (30.0)	75Se(559.1,8724.4)
645.6 (11.6)	123Te(602.4,722.4)	657.2 (3.5)	115In(273.0,85.6)
645.7 (54.2)	51V(22.8,125.1)	657.2 (15.9)	194Ir(300.3,175.2)
645.7 (3.6)	100Mo(180.7,237.6)	657.3 (2.3)	181Ta(270.4,5965.0)
645.7 (35.1)	141Pr(176.9,140.9)	657.6 (31.5)	150Nd(189.1,57.7)
645.7 (4.1)	166Er(207.8,798.8)	657.8 (4.6)	148Nd(165.1,138.4)
645.8 (5.9)	76Se(239.0,520.6)	658.0 (11.3)	186W(59.2,145.8)
645.9 (38.3)	234U(637.8,129.3)	658.2 (13.1)	234U(637.8,129.3)
646.0 (4.9)	69Ga(508.4,691.0)	658.2 (4.3)	232Th(3473.0,566.6)
646.3 (5.8)	104Ru(143.2,159.3)	658.3 (11.5)	139La(5097.7,4842.7)
646.3 (3.5)	152Sm(127.3,35.8)	658.3 (4.3)	96Mo(481.0,720.5)
646.6 (2.0)	187Re(63.6,290.7)	658.4 (2.5)	154Sm(4987.1,4876.3)
646.7 (5.1)	natK(770.3,2073.6)	658.5 (5.1)	248Cm(1408.3,1622.9)
646.8 (4.2)	237Np(182.9,49.4)	658.7 (3.3)	196Pt(5846.3,649.2)
647.0 (2.8)	193Ir(371.5,112.2)	658.8 (5.0)	102Ru(174.0,136.1)
647.3 (5.9)	168Yb(191.2,720.0)	658.9 (25.7)	234U(637.8,129.3)
647.5 (7.5)	194Pt(211.4,98.9)	658.9 (2.2)	165Ho(136.7,116.8)
647.5 (3.6)	230Th(185.7,4284.9)	659.1 (5.1)	193Ir(371.5,112.2)
647.6 (3.5)	186W(59.2,145.8)	659.3 (5.3)	232Th(3473.0,566.6)
647.7 (7.7)	161Dy(185.0,882.3)	659.3 (2.1)	241Am(186.4,154.6)
647.7 (2.6)	232Th(3473.0,566.6)	660.0 (31.4)	152Sm(127.3,35.8)
648.0 (2.6)	115In(273.0,85.6)	660.0 (2.5)	71Ga(145.1,192.0)
648.2 (3.7)	237Np(182.9,49.4)	660.2 (7.3)	168Yb(191.2,720.0)
648.2 (3.2)	121Sb(61.4,78.1)	660.5 (2.4)	232Th(3473.0,566.6)
648.5 (3.1)	133Cs(11.2,116.4)	660.5 (2.2)	102Ru(174.0,136.1)
648.7 (7.1)	193Ir(371.5,112.2)	660.6 (4.5)	79Br(37.1,245.2)
648.8 (8.6)	63Cu(7916.3,278.2)	661.0 (2.2)	165Ho(136.7,116.8)
649.2 (3.5)	193Ir(371.5,112.2)	661.2 (25.3)	194Ir(300.3,175.2)
649.2 (93.5)	196Pt(5846.3,649.2)	661.4 (6.9)	199Hg(367.9,5967.4)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
661.5(7.0)	102Ru(174.0,136.1)	672.5(2.7)	150Sm(167.8,5281.1)
661.5(3.3)	186W(59.2,145.8)	672.6(5.4)	160Dy(6087.3,48.9)
661.9(3.4)	232Th(3473.0,566.6)	672.6(2.5)	97Mo(787.4,722.7)
662.0(100.0)	140Ce(662.0,4766.6)	672.7(2.4)	175Lu(71.5,225.4)
662.3(4.9)	176Yb(104.5,151.6)	672.9(3.0)	195Pt(355.7,333.0)
662.5(9.0)	165Dy(176.9,852.1)	673.0(2.1)	187Re(63.6,290.7)
662.5(2.2)	193Ir(371.5,112.2)	673.7(41.7)	163Dy(688.4,754.8)
662.5(15.8)	241Am(186.4,154.6)	674.0(9.2)	209Bi(319.7,162.2)
662.9(2.4)	152Sm(127.3,35.8)	674.1(7.1)	98Mo(97.6,351.0)
662.9(4.2)	187Re(63.6,290.7)	674.2(4.5)	172Yb(399.4,116.1)
663.0(5.0)	168Er(64.6,4908.8)	675.1(2.5)	193Ir(371.5,112.2)
663.0(12.4)	150Nd(189.1,57.7)	675.2(18.6)	184W(4573.6,1181.6)
663.1(6.1)	63Cu(7916.3,278.2)	675.2(8.9)	165Dy(176.9,852.1)
663.2(2.8)	182Ta(459.1,315.9)	675.3(2.4)	152Sm(127.3,35.8)
663.3(2.2)	193Ir(371.5,112.2)	675.8(3.3)	149Sm(333.9,439.4)
663.4(4.1)	170Er(197.9,904.0)	675.9(10.4)	148Nd(165.1,138.4)
663.6(2.1)	141Pr(176.9,140.9)	676.1(3.2)	74Se(286.6,7734.1)
663.9(6.9)	190Os(5146.8,527.5)	676.1(2.9)	196Pt(5846.3,649.2)
664.2(65.4)	184W(4573.6,1181.6)	676.6(4.5)	153Gd(123.1,247.9)
664.4(4.1)	159Tb(75.1,63.7)	677.0(2.6)	193Ir(371.5,112.2)
664.5(16.6)	234U(637.8,129.3)	678.0(5.7)	193Ir(371.5,112.2)
664.9(2.1)	154Sm(4987.1,4876.3)	678.3(33.3)	150Nd(189.1,57.7)
664.9(3.1)	100Mo(180.7,237.6)	678.3(6.8)	160Dy(6087.3,48.9)
664.9(7.2)	198Au(493.8,317.1)	678.8(2.5)	203Tl(139.9,319.3)
665.1(3.6)	168Er(64.6,4908.8)	679.3(4.2)	72Ge(326.0,6390.2)
665.3(34.1)	232Th(3473.0,566.6)	679.4(2.5)	100Mo(180.7,237.6)
665.4(2.3)	75Se(559.1,8724.4)	679.6(24.3)	96Mo(481.0,720.5)
665.5(20.3)	136Ce(434.0,514.2)	679.8(4.3)	234U(637.8,129.3)
665.9(29.4)	186Os(427.1,400.8)	679.9(3.4)	193Ir(371.5,112.2)
665.9(5.2)	193Ir(371.5,112.2)	680.0(3.9)	226Ra(90.0,64.3)
666.0(2.1)	187Re(63.6,290.7)	680.3(4.1)	201Hg(439.5,520.3)
666.5(2.4)	159Tb(75.1,63.7)	680.6(2.4)	240Pu(4276.5,4151.3)
666.8(4.9)	176Yb(104.5,151.6)	680.8(5.1)	193Ir(371.5,112.2)
667.5(7.0)	232Th(3473.0,566.6)	681.7(4.4)	152Sm(127.3,35.8)
667.5(100.0)	131Xe(667.5,667.8)	681.8(38.8)	232Th(3473.0,566.6)
667.6(8.5)	139La(5097.7,4842.7)	682.4(9.4)	168Er(64.6,4908.8)
667.8(100.0)	131Xe(667.5,667.8)	682.8(32.1)	194Ir(300.3,175.2)
667.9(4.3)	168Yb(191.2,720.0)	682.9(4.3)	100Mo(180.7,237.6)
667.9(3.0)	152Eu(97.4,103.2)	683.5(3.0)	159Tb(75.1,63.7)
668.6(17.1)	150Nd(189.1,57.7)	684.0(2.1)	104Ru(143.2,159.3)
668.8(4.8)	162Dy(351.1,421.9)	684.2(2.8)	187Re(63.6,290.7)
669.0(11.0)	129Xe(535.7,585.5)	684.8(6.0)	193Ir(371.5,112.2)
669.1(4.2)	85Rb(557.0,488.0)	684.9(10.9)	81Br(29.1,287.7)
669.2(8.3)	184Os(431.2,6588.0)	684.9(4.5)	159Tb(75.1,63.7)
669.2(3.5)	150Sm(167.8,5281.1)	685.0(5.8)	232Th(3473.0,566.6)
669.6(36.4)	170Yb(6614.7,804.7)	685.5(5.7)	150Nd(189.1,57.7)
670.3(2.7)	168Yb(191.2,720.0)	685.6(4.8)	198Au(493.8,317.1)
670.3(6.2)	186W(59.2,145.8)	685.8(2.2)	45Sc(227.8,142.5)
670.5(28.0)	174Hf(125.7,5842.2)	685.8(3.6)	193Ir(371.5,112.2)
670.7(5.1)	234U(637.8,129.3)	685.9(18.6)	234U(637.8,129.3)
671.3(2.4)	240Pu(4276.5,4151.3)	685.9(7.7)	108Pd(113.4,245.1)
671.4(3.1)	226Ra(90.0,64.3)	687.0(2.1)	104Ru(143.2,159.3)
671.4(8.6)	150Sm(167.8,5281.1)	687.0(26.0)	99Ru(539.7,687.0)
671.6(11.8)	186Os(427.1,400.8)	687.1(2.1)	160Dy(6087.3,48.9)
672.3(3.9)	197Au(214.8,6252.6)	687.1(3.8)	193Ir(371.5,112.2)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
687.2(2.1)	183W(111.2,903.3)	695.6(9.1)	natN(5269.2,1884.8)
687.2(9.3)	141Pr(176.9,140.9)	695.6(9.3)	238Pu(462.2,434.9)
687.3(3.0)	77Se(613.7,694.9)	696.2(9.2)	100Mo(180.7,237.6)
687.5(31.0)	235U(642.2,687.5)	696.2(5.5)	176Yb(104.5,151.6)
687.7(3.7)	230Th(185.7,4284.9)	696.3(2.2)	natCa(1942.0,6419.9)
687.7(4.4)	194Pt(211.4,98.9)	696.5(2.8)	127I(133.6,27.4)
687.9(4.4)	238U(12.0,133.8)	696.8(7.7)	232Th(3473.0,566.6)
688.4(100.0)	163Dy(688.4,754.8)	697.0(8.6)	226Ra(90.0,64.3)
688.7(2.3)	81Br(29.1,287.7)	697.4(10.0)	161Dy(185.0,882.3)
688.7(2.4)	240Pu(4276.5,4151.3)	697.7(2.8)	100Mo(180.7,237.6)
689.0(3.0)	194Pt(211.4,98.9)	697.9(3.3)	139La(5097.7,4842.7)
689.0(5.4)	193Ir(371.5,112.2)	698.1(3.3)	51V(22.8,125.1)
689.4(3.9)	152Sm(127.3,35.8)	698.3(4.3)	234U(637.8,129.3)
689.6(2.6)	193Ir(371.5,112.2)	698.4(2.4)	127I(133.6,27.4)
689.7(2.9)	165Ho(136.7,116.8)	698.4(5.3)	152Sm(127.3,35.8)
689.7(2.7)	197Au(214.8,6252.6)	698.5(18.5)	176Yb(104.5,151.6)
689.9(6.1)	93Nb(99.4,255.9)	698.5(2.3)	150Sm(167.8,5281.1)
689.9(2.7)	230Th(185.7,4284.9)	698.6(12.5)	193Ir(371.5,112.2)
690.0(6.9)	238U(12.0,133.8)	698.9(17.3)	170Yb(6614.7,804.7)
690.0(4.5)	79Br(37.1,245.2)	699.1(4.6)	160Dy(6087.3,48.9)
690.7(9.7)	234U(637.8,129.3)	699.6(9.7)	146Nd(314.7,78.0)
690.8(4.0)	193Ir(371.5,112.2)	699.8(20.6)	141Pr(176.9,140.9)
690.9(16.8)	168Yb(191.2,720.0)	700.1(3.0)	193Ir(371.5,112.2)
691.0(64.0)	69Ga(508.4,691.0)	700.6(5.1)	193Ir(371.5,112.2)
691.1(18.6)	170Yb(6614.7,804.7)	700.8(4.2)	127I(133.6,27.4)
691.1(5.3)	193Ir(371.5,112.2)	701.2(2.3)	136Xe(601.0,3424.6)
691.2(64.0)	69Ga(508.4,691.0)	701.4(3.8)	187Re(63.6,290.7)
691.7(3.9)	100Mo(180.7,237.6)	701.5(3.4)	193Ir(371.5,112.2)
691.7(4.6)	182Ta(459.1,315.9)	701.5(6.2)	73Ge(595.8,867.9)
691.8(2.4)	166Er(207.8,798.8)	701.8(3.6)	232Th(3473.0,566.6)
691.9(2.6)	234U(637.8,129.3)	701.9(3.9)	146Nd(314.7,78.0)
691.9(12.1)	85Rb(557.0,488.0)	701.9(5.2)	196Pt(5846.3,649.2)
692.0(2.0)	175Lu(71.5,225.4)	702.1(3.6)	79Br(37.1,245.2)
692.0(7.9)	193Ir(371.5,112.2)	702.1(3.4)	197Au(214.8,6252.6)
692.0(16.4)	56Fe(7631.2,7645.6)	702.6(11.1)	160Dy(6087.3,48.9)
692.4(19.8)	153Gd(123.1,247.9)	702.6(3.3)	152Sm(127.3,35.8)
692.6(2.1)	64Ni(6034.8,310.2)	702.7(2.7)	81Br(29.1,287.7)
693.0(4.3)	127I(133.6,27.4)	703.6(2.9)	232Th(3473.0,566.6)
693.0(8.3)	natMg(3916.7,2828.1)	703.7(20.0)	234U(637.8,129.3)
693.0(14.6)	113In(311.6,287.7)	704.3(4.2)	150Sm(167.8,5281.1)
693.2(4.2)	152Sm(127.3,35.8)	704.5(3.5)	193Ir(371.5,112.2)
693.4(3.6)	115In(273.0,85.6)	704.9(15.9)	168Er(64.6,4908.8)
693.8(3.0)	93Nb(99.4,255.9)	705.0(10.8)	232Th(3473.0,566.6)
693.8(7.1)	234U(637.8,129.3)	705.1(3.1)	194Pt(211.4,98.9)
694.1(3.5)	185Re(59.0,214.6)	705.2(12.5)	232Th(3473.0,566.6)
694.1(2.3)	187Re(63.6,290.7)	705.5(7.2)	141Pr(176.9,140.9)
694.2(6.7)	186W(59.2,145.8)	705.6(8.4)	232Th(3473.0,566.6)
694.4(2.4)	232Th(3473.0,566.6)	705.7(5.2)	248Cm(1408.3,1622.9)
694.9(3.6)	127I(133.6,27.4)	706.5(10.7)	31P(3900.3,2154.2)
694.9(20.4)	77Se(613.7,694.9)	706.5(2.8)	136Ce(434.0,514.2)
695.0(10.1)	100Mo(180.7,237.6)	706.5(10.0)	193Ir(371.5,112.2)
695.0(19.1)	168Er(64.6,4908.8)	706.6(7.1)	186W(59.2,145.8)
695.0(3.6)	196Pt(5846.3,649.2)	706.6(2.2)	190Os(5146.8,527.5)
695.1(2.3)	75Se(559.1,8724.4)	706.7(5.3)	198Au(493.8,317.1)
695.2(3.1)	226Ra(90.0,64.3)	706.9(11.6)	170Er(197.9,904.0)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
707.1(3.5)	152Sm(127.3,35.8)	715.1(8.6)	232Th(3473.0,566.6)
707.3(3.1)	232Th(3473.0,566.6)	715.1(2.1)	185Re(59.0,214.6)
707.5(2.6)	100Mo(180.7,237.6)	715.1(2.6)	194Pt(211.4,98.9)
707.7(2.7)	natCa(1942.0,6419.9)	715.2(3.1)	167Er(184.3,6677.4)
707.7(3.3)	162Dy(351.1,421.9)	715.2(3.0)	170Er(197.9,904.0)
707.8(4.1)	168Yb(191.2,720.0)	715.3(2.2)	165Ho(136.7,116.8)
708.0(5.1)	159Tb(75.1,63.7)	715.4(7.5)	184W(4573.6,1181.6)
708.2(48.3)	70Ge(499.9,174.9)	715.7(3.4)	238U(12.0,133.8)
708.2(26.2)	144Nd(852.8,4836.9)	715.8(4.8)	198Au(493.8,317.1)
708.3(13.5)	139La(5097.7,4842.7)	716.2(3.3)	193Ir(371.5,112.2)
708.3(33.6)	196Pt(5846.3,649.2)	716.2(16.1)	81Br(29.1,287.7)
708.5(25.8)	193Ir(371.5,112.2)	716.4(33.0)	100Mo(180.7,237.6)
708.6(2.9)	133Cs(11.2,116.4)	716.4(4.1)	55Mn(26.6,7243.8)
709.0(2.8)	71Ga(145.1,192.0)	716.6(18.6)	186Os(427.1,400.8)
709.0(2.0)	181Ta(270.4,5965.0)	717.1(7.0)	150Sm(167.8,5281.1)
709.2(3.1)	230Th(185.7,4284.9)	717.2(4.9)	181Ta(270.4,5965.0)
709.2(3.6)	192Os(5276.0,5583.3)	717.2(8.5)	193Ir(371.5,112.2)
709.3(2.7)	159Tb(75.1,63.7)	717.4(3.7)	59Co(58.9,229.7)
709.3(2.2)	123Sb(87.6,40.8)	717.4(20.7)	105Pd(511.9,717.4)
709.4(2.5)	175Lu(71.5,225.4)	717.7(12.8)	81Br(29.1,287.7)
709.4(3.1)	241Am(186.4,154.6)	717.9(9.0)	150Sm(167.8,5281.1)
709.5(7.3)	193Ir(371.5,112.2)	718.2(16.9)	234U(637.8,129.3)
710.1(6.8)	139La(5097.7,4842.7)	718.6(5.2)	141Pr(176.9,140.9)
710.1(5.2)	183W(111.2,903.3)	718.7(2.2)	133Cs(11.2,116.4)
710.3(7.5)	194Ir(300.3,175.2)	719.0(3.3)	115In(273.0,85.6)
710.4(2.4)	154Gd(86.5,105.3)	719.3(3.6)	193Ir(371.5,112.2)
710.7(3.0)	59Co(58.9,229.7)	719.5(2.7)	190Os(5146.8,527.5)
710.9(4.0)	193Ir(371.5,112.2)	719.5(14.4)	95Mo(778.3,850.0)
711.0(7.8)	205Tl(304.9,266.1)	719.5(2.0)	167Er(184.3,6677.4)
711.2(2.2)	232Th(3473.0,566.6)	719.6(3.8)	113In(311.6,287.7)
711.5(5.7)	162Dy(351.1,421.9)	719.7(12.1)	100Mo(180.7,237.6)
711.6(5.4)	183W(111.2,903.3)	720.0(64.5)	168Yb(191.2,720.0)
712.2(2.0)	159Tb(75.1,63.7)	720.3(4.4)	190Os(5146.8,527.5)
712.2(5.0)	149Sm(333.9,439.4)	720.4(2.8)	167Er(184.3,6677.4)
712.8(12.0)	136Ce(434.0,514.2)	720.5(52.4)	96Mo(481.0,720.5)
712.9(2.6)	123Te(602.4,722.4)	720.5(2.3)	234U(637.8,129.3)
712.9(4.4)	51V(22.8,125.1)	721.0(2.3)	193Ir(371.5,112.2)
713.0(42.2)	186Os(427.1,400.8)	721.1(3.2)	154Sm(4987.1,4876.3)
713.1(3.8)	203Tl(139.9,319.3)	721.5(2.1)	79Br(37.1,245.2)
713.2(4.0)	193Ir(371.5,112.2)	721.9(7.5)	45Sc(227.8,142.5)
713.4(18.3)	144Nd(852.8,4836.9)	722.0(4.1)	232Th(3473.0,566.6)
713.6(5.5)	150Nd(189.1,57.7)	722.0(4.7)	108Pd(113.4,245.1)
713.7(10.6)	232Th(3473.0,566.6)	722.2(8.5)	241Am(186.4,154.6)
713.8(6.7)	193Ir(371.5,112.2)	722.3(6.8)	193Ir(371.5,112.2)
713.9(2.6)	97Mo(787.4,722.7)	722.4(23.0)	123Te(602.4,722.4)
714.1(4.3)	104Ru(143.2,159.3)	722.4(9.7)	100Mo(180.7,237.6)
714.1(4.8)	174Hf(125.7,5842.2)	722.5(26.0)	139La(5097.7,4842.7)
714.4(5.8)	232Th(3473.0,566.6)	722.7(30.6)	97Mo(787.4,722.7)
714.5(4.4)	150Nd(189.1,57.7)	722.7(3.3)	175Lu(71.5,225.4)
714.5(22.0)	124Sn(187.6,616.4)	722.9(4.2)	193Ir(371.5,112.2)
714.5(38.9)	168Er(64.6,4908.8)	723.3(3.3)	153Gd(123.1,247.9)
714.6(12.6)	234U(637.8,129.3)	723.4(2.1)	123Sb(87.6,40.8)
714.6(14.4)	198Au(493.8,317.1)	724.0(3.1)	238U(12.0,133.8)
714.8(3.9)	187Re(63.6,290.7)	724.1(2.1)	193Ir(371.5,112.2)
714.9(15.0)	152Sm(127.3,35.8)	724.4(8.9)	183W(111.2,903.3)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
724.4 (2.2)	159Tb (75.1, 63.7)	736.9 (7.4)	102Ru (174.0, 136.1)
724.4 (11.4)	248Cm (1408.3, 1622.9)	737.0 (3.0)	139La (5097.7, 4842.7)
724.5 (3.9)	150Nd (189.1, 57.7)	737.0 (4.1)	100Mo (180.7, 237.6)
725.1 (3.2)	189Os (186.7, 558.0)	737.1 (9.8)	74Ge (574.7, 253.7)
725.1 (6.6)	154Sm (4987.1, 4876.3)	737.1 (9.4)	203Tl (139.9, 319.3)
725.3 (6.0)	113Cd (558.5, 651.3)	737.5 (10.8)	149Sm (333.9, 439.4)
725.3 (4.9)	181Ta (270.4, 5965.0)	737.7 (2.1)	167Er (184.3, 6677.4)
725.4 (4.5)	193Ir (371.5, 112.2)	737.7 (2.1)	123Sb (87.6, 40.8)
725.4 (2.2)	113In (311.6, 287.7)	738.0 (6.2)	141Pr (176.9, 140.9)
725.5 (8.9)	232Th (3473.0, 566.6)	738.3 (4.0)	193Ir (371.5, 112.2)
726.0 (2.5)	186W (59.2, 145.8)	738.3 (3.0)	194Pt (211.4, 98.9)
726.1 (3.1)	181Ta (270.4, 5965.0)	738.8 (5.2)	186W (59.2, 145.8)
726.1 (2.4)	162Dy (351.1, 421.9)	739.3 (5.5)	104Ru (143.2, 159.3)
726.2 (5.3)	238U (12.0, 133.8)	739.4 (12.7)	72Ge (326.0, 6390.2)
726.4 (19.1)	168Yb (191.2, 720.0)	739.5 (3.1)	197Au (214.8, 6252.6)
726.7 (2.0)	59Co (58.9, 229.7)	739.7 (4.1)	194Pt (211.4, 98.9)
726.8 (2.8)	136Ce (434.0, 514.2)	740.7 (5.5)	193Ir (371.5, 112.2)
726.8 (4.5)	146Nd (314.7, 78.0)	741.2 (6.2)	232Th (3473.0, 566.6)
726.9 (4.1)	natCa (1942.0, 6419.9)	741.4 (12.6)	167Er (184.3, 6677.4)
727.0 (4.3)	160Dy (6087.3, 48.9)	741.7 (5.3)	184Os (431.2, 6588.0)
727.4 (6.4)	152Sm (127.3, 35.8)	741.8 (2.6)	150Sm (167.8, 5281.1)
727.4 (34.2)	58Fe (287.0, 6293.6)	742.1 (100.0)	142Nd (742.1, 563.8)
727.7 (4.2)	193Ir (371.5, 112.2)	743.1 (2.0)	157Gd (181.9, 79.5)
727.8 (6.3)	85Rb (557.0, 488.0)	743.1 (5.6)	248Cm (1408.3, 1622.9)
727.9 (4.3)	234U (637.8, 129.3)	743.1 (2.7)	152Sm (127.3, 35.8)
728.1 (2.2)	185Re (59.0, 214.6)	743.2 (2.6)	183W (111.2, 903.3)
728.4 (2.4)	113In (311.6, 287.7)	743.4 (3.1)	127I (133.6, 27.4)
728.9 (6.0)	181Ta (270.4, 5965.0)	743.9 (6.1)	193Ir (371.5, 112.2)
729.2 (3.4)	154Gd (86.5, 105.3)	743.9 (2.5)	123Sb (87.6, 40.8)
729.5 (9.3)	141Pr (176.9, 140.9)	744.2 (3.1)	187Re (63.6, 290.7)
729.5 (2.4)	178Hf (214.3, 304.0)	744.6 (18.6)	238Pu (462.2, 434.9)
729.8 (4.8)	160Dy (6087.3, 48.9)	744.7 (29.1)	184W (4573.6, 1181.6)
730.7 (21.3)	167Er (184.3, 6677.4)	744.9 (2.1)	181Ta (270.4, 5965.0)
730.8 (4.1)	115In (273.0, 85.6)	745.0 (2.0)	127I (133.6, 27.4)
732.2 (34.1)	168Er (64.6, 4908.8)	745.0 (2.5)	154Sm (4987.1, 4876.3)
732.3 (12.7)	186Os (427.1, 400.8)	745.3 (6.4)	193Ir (371.5, 112.2)
732.3 (36.7)	205Tl (304.9, 266.1)	746.0 (8.1)	186W (59.2, 145.8)
732.6 (9.7)	135Ba (818.7, 1261.8)	746.1 (3.7)	197Au (214.8, 6252.6)
733.3 (2.2)	102Ru (174.0, 136.1)	746.3 (3.4)	184Os (431.2, 6588.0)
733.9 (7.0)	115Sn (1293.6, 972.6)	746.5 (11.0)	198Au (493.8, 317.1)
733.9 (7.1)	74Se (286.6, 7734.1)	746.5 (15.7)	186Os (427.1, 400.8)
733.9 (3.7)	234U (637.8, 129.3)	746.7 (3.6)	152Sm (127.3, 35.8)
734.0 (16.1)	184W (4573.6, 1181.6)	746.9 (3.2)	81Br (29.1, 287.7)
734.9 (25.0)	152Sm (127.3, 35.8)	747.0 (6.2)	70Ge (499.9, 174.9)
735.1 (3.0)	81Br (29.1, 287.7)	747.0 (3.9)	121Sb (61.4, 78.1)
735.3 (6.2)	232Th (3473.0, 566.6)	747.5 (2.5)	127I (133.6, 27.4)
735.5 (2.6)	150Sm (167.8, 5281.1)	747.5 (12.4)	193Ir (371.5, 112.2)
735.6 (2.6)	193Ir (371.5, 112.2)	747.6 (18.6)	141Pr (176.9, 140.9)
735.9 (5.2)	122Te (158.9, 439.9)	748.0 (35.4)	234U (637.8, 129.3)
735.9 (4.1)	145Nd (7110.8, 6093.9)	748.0 (4.5)	148Nd (165.1, 138.4)
735.9 (11.4)	234U (637.8, 129.3)	748.3 (2.2)	167Er (184.3, 6677.4)
735.9 (3.7)	198Au (493.8, 317.1)	748.5 (2.1)	105Pd (511.9, 717.4)
736.1 (2.2)	160Dy (6087.3, 48.9)	748.6 (6.6)	193Ir (371.5, 112.2)
736.2 (3.3)	150Sm (167.8, 5281.1)	748.6 (3.2)	85Rb (557.0, 488.0)
736.9 (5.6)	95Mo (778.3, 850.0)	749.0 (100.0)	50Cr (749.0, 8512.1)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
749.6 (2.5)	76Se(239.0,520.6)	760.4 (21.8)	194Ir(300.3,175.2)
749.6 (4.1)	115In(273.0,85.6)	760.7 (2.1)	135Ba(818.7,1261.8)
749.9 (2.9)	152Sm(127.3,35.8)	760.7 (3.9)	168Er(64.6,4908.8)
749.9 (9.3)	193Ir(371.5,112.2)	761.0 (5.9)	168Yb(191.2,720.0)
750.5 (3.8)	154Sm(4987.1,4876.3)	761.0 (2.9)	234U(637.8,129.3)
750.7 (3.7)	234U(637.8,129.3)	761.3 (10.6)	193Ir(371.5,112.2)
750.9 (3.1)	148Nd(165.1,138.4)	761.4 (4.3)	150Nd(189.1,57.7)
751.0 (24.5)	64Zn(7863.0,751.0)	761.6 (3.0)	185Re(59.0,214.6)
751.3 (3.1)	232Th(3473.0,566.6)	761.6 (2.6)	154Sm(4987.1,4876.3)
751.5 (11.4)	184Os(431.2,6588.0)	761.7 (14.3)	176Lu(150.4,138.6)
751.8 (4.6)	93Nb(99.4,255.9)	761.7 (75.0)	163Dy(688.4,754.8)
751.8 (4.7)	193Ir(371.5,112.2)	761.9 (18.0)	168Yb(191.2,720.0)
752.1 (7.5)	226Ra(90.0,64.3)	762.2 (5.1)	193Ir(371.5,112.2)
752.4 (2.2)	natSi(3539.1,4934.4)	762.4 (10.1)	74Ge(574.7,253.7)
752.4 (3.6)	150Sm(167.8,5281.1)	762.8 (5.7)	186W(59.2,145.8)
752.5 (23.3)	238Pu(462.2,434.9)	763.1 (15.1)	136Ce(434.0,514.2)
752.6 (4.1)	232Th(3473.0,566.6)	763.1 (3.5)	183W(111.2,903.3)
752.9 (2.2)	159Tb(75.1,63.7)	763.3 (12.3)	72Ge(326.0,6390.2)
753.0 (2.5)	150Sm(167.8,5281.1)	763.4 (3.1)	193Ir(371.5,112.2)
753.1 (12.7)	198Au(493.8,317.1)	763.5 (4.6)	123Sb(87.6,40.8)
753.1 (2.1)	141Pr(176.9,140.9)	764.3 (3.8)	203Tl(139.9,319.3)
753.1 (4.2)	193Ir(371.5,112.2)	764.5 (3.4)	168Yb(191.2,720.0)
753.6 (8.3)	152Sm(127.3,35.8)	764.5 (4.3)	115In(273.0,85.6)
754.0 (6.1)	130Te(295.9,3346.9)	765.0 (3.4)	232Th(3473.0,566.6)
754.5 (2.5)	154Sm(4987.1,4876.3)	765.0 (2.1)	160Dy(6087.3,48.9)
754.8 (95.8)	163Dy(688.4,754.8)	765.0 (3.5)	80Se(467.7,6233.0)
754.9 (9.0)	108Pd(113.4,245.1)	765.9 (6.4)	100Mo(180.7,237.6)
755.0 (2.7)	69Ga(508.4,691.0)	765.9 (3.2)	79Br(37.1,245.2)
755.3 (4.2)	93Nb(99.4,255.9)	766.0 (47.2)	142Ce(4337.8,766.0)
755.4 (11.1)	76Se(239.0,520.6)	766.1 (9.6)	136Ce(434.0,514.2)
755.5 (3.0)	198Au(493.8,317.1)	766.5 (4.6)	234U(637.8,129.3)
755.8 (3.6)	193Ir(371.5,112.2)	766.5 (3.1)	81Br(29.1,287.7)
756.2 (2.5)	226Ra(90.0,64.3)	766.7 (5.6)	159Tb(75.1,63.7)
756.2 (4.0)	234U(637.8,129.3)	767.3 (4.3)	234U(637.8,129.3)
756.5 (3.2)	168Er(64.6,4908.8)	767.6 (10.5)	152Sm(127.3,35.8)
756.8 (3.9)	153Gd(123.1,247.9)	767.7 (6.7)	205Tl(304.9,266.1)
756.8 (2.0)	61Ni(1172.8,875.6)	767.8 (2.1)	63Cu(7916.3,278.2)
756.9 (4.9)	234U(637.8,129.3)	767.8 (3.2)	190Os(5146.8,527.5)
757.2 (5.1)	104Ru(143.2,159.3)	768.0 (6.0)	168Er(64.6,4908.8)
757.3 (13.5)	183W(111.2,903.3)	768.0 (3.1)	238U(12.0,133.8)
757.5 (7.7)	193Ir(371.5,112.2)	768.3 (14.8)	184W(4573.6,1181.6)
757.5 (14.3)	72Ge(326.0,6390.2)	768.3 (2.4)	65Cu(186.0,465.2)
757.5 (46.1)	184W(4573.6,1181.6)	768.4 (3.5)	193Ir(371.5,112.2)
757.8 (2.7)	100Mo(180.7,237.6)	768.4 (2.1)	157Gd(181.9,79.5)
758.0 (6.5)	27Al(7723.9,2960.0)	768.4 (2.3)	123Sb(87.6,40.8)
758.7 (2.4)	240Pu(4276.5,4151.3)	768.5 (2.7)	natNe(2035.4,350.3)
758.9 (2.9)	115In(273.0,85.6)	768.7 (2.6)	162Dy(351.1,421.9)
759.7 (3.8)	193Ir(371.5,112.2)	769.1 (2.6)	172Yb(399.4,116.1)
759.8 (2.9)	181Ta(270.4,5965.0)	769.2 (8.6)	234U(637.8,129.3)
759.9 (2.8)	184Os(431.2,6588.0)	769.2 (3.1)	102Ru(174.0,136.1)
760.0 (7.2)	68Zn(1008.0,5474.0)	769.2 (2.7)	209Bi(319.7,162.2)
760.1 (2.0)	100Mo(180.7,237.6)	769.4 (3.8)	183W(111.2,903.3)
760.1 (2.5)	181Ta(270.4,5965.0)	769.7 (4.1)	150Sm(167.8,5281.1)
760.3 (2.9)	234U(637.8,129.3)	769.8 (3.5)	193Ir(371.5,112.2)
760.3 (3.4)	150Nd(189.1,57.7)	769.8 (2.9)	232Th(3473.0,566.6)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
769.9 (42.0)	234U(637.8,129.3)	781.3 (9.5)	240Pu(4276.5,4151.3)
769.9 (23.6)	165Dy(176.9,852.1)	781.4 (3.0)	81Br(29.1,287.7)
770.0 (3.1)	64Zn(7863.0,751.0)	781.5 (3.6)	193Ir(371.5,112.2)
770.3(100.0)	natK(770.3,2073.6)	781.9 (3.1)	160Dy(6087.3,48.9)
770.8 (2.6)	160Dy(6087.3,48.9)	782.4 (18.9)	186W(59.2,145.8)
771.0 (3.6)	115In(273.0,85.6)	782.4 (5.4)	163Dy(688.4,754.8)
771.1 (3.3)	162Dy(351.1,421.9)	782.6 (2.1)	93Nb(99.4,255.9)
771.3 (4.1)	141Pr(176.9,140.9)	782.9 (3.0)	127I(133.6,27.4)
771.5 (4.1)	102Ru(174.0,136.1)	782.9 (41.0)	120Sn(925.7,942.9)
771.6 (5.7)	81Br(29.1,287.7)	782.9 (4.0)	139La(5097.7,4842.7)
771.7 (4.5)	193Ir(371.5,112.2)	783.6 (4.9)	150Sm(167.8,5281.1)
771.8 (25.0)	75Se(559.1,8724.4)	783.6 (3.5)	100Mo(180.7,237.6)
771.8 (3.0)	159Tb(75.1,63.7)	783.6 (5.9)	122Te(158.9,439.9)
772.0 (2.9)	240Pu(4276.5,4151.3)	783.7 (8.3)	182Ta(459.1,315.9)
772.0 (3.5)	123Sb(87.6,40.8)	783.9 (3.2)	193Ir(371.5,112.2)
772.1 (11.4)	168Er(64.6,4908.8)	784.1 (5.3)	174Hf(125.7,5842.2)
772.3 (6.2)	152Sm(127.3,35.8)	784.4 (2.4)	240Pu(4276.5,4151.3)
772.5 (24.4)	131Xe(667.5,667.8)	784.7 (6.8)	72Ge(326.0,6390.2)
772.7 (2.9)	122Te(158.9,439.9)	785.2 (2.3)	150Sm(167.8,5281.1)
772.7 (7.1)	160Dy(6087.3,48.9)	785.4 (27.8)	168Er(64.6,4908.8)
772.8 (6.4)	248Cm(1408.3,1622.9)	785.5 (14.1)	193Ir(371.5,112.2)
773.0 (13.2)	131Xe(667.5,667.8)	785.7 (11.1)	59Co(58.9,229.7)
773.0 (2.5)	150Sm(167.8,5281.1)	785.8 (33.3)	186Os(427.1,400.8)
773.1 (10.0)	86Kr(1475.9,3392.6)	786.0 (2.8)	192Os(5276.0,5583.3)
773.9 (9.2)	45Sc(227.8,142.5)	786.3 (44.2)	natCl(1950.9,6110.9)
773.9 (4.5)	193Ir(371.5,112.2)	786.3 (14.3)	248Cm(1408.3,1622.9)
774.1 (4.8)	81Br(29.1,287.7)	786.5 (2.6)	232Th(3473.0,566.6)
774.9 (5.1)	102Ru(174.0,136.1)	786.7 (2.2)	81Br(29.1,287.7)
774.9 (4.7)	209Bi(319.7,162.2)	786.8 (3.9)	192Os(5276.0,5583.3)
775.0 (8.4)	113In(311.6,287.7)	786.9 (10.0)	234U(637.8,129.3)
775.3 (6.6)	234U(637.8,129.3)	787.1 (7.1)	193Ir(371.5,112.2)
775.4 (4.7)	123Sb(87.6,40.8)	787.2 (3.1)	238U(12.0,133.8)
775.9 (4.0)	184Os(431.2,6588.0)	787.3 (3.5)	248Cm(1408.3,1622.9)
776.0 (2.0)	234U(637.8,129.3)	787.4 (2.5)	190Os(5146.8,527.5)
776.0 (5.4)	93Nb(99.4,255.9)	787.4 (2.1)	150Sm(167.8,5281.1)
776.2 (4.0)	193Ir(371.5,112.2)	787.4(100.0)	97Mo(787.4,722.7)
776.4 (54.5)	170Yb(6614.7,804.7)	787.4 (6.9)	150Nd(189.1,57.7)
776.5 (27.5)	186Os(427.1,400.8)	787.7 (4.6)	193Ir(371.5,112.2)
776.7 (95.4)	89Y(6080.5,776.7)	787.9 (7.8)	168Er(64.6,4908.8)
776.7 (2.9)	194Pt(211.4,98.9)	788.1 (22.9)	184W(4573.6,1181.6)
778.2 (9.2)	154Sm(4987.1,4876.3)	788.1 (3.4)	232Th(3473.0,566.6)
778.3(100.0)	95Mo(778.3,850.0)	788.4 (69.1)	natCl(1950.9,6110.9)
778.4 (3.2)	248Cm(1408.3,1622.9)	788.5 (6.2)	193Ir(371.5,112.2)
779.1 (2.4)	154Sm(4987.1,4876.3)	788.5 (2.2)	192Os(5276.0,5583.3)
779.4 (4.1)	168Er(64.6,4908.8)	788.7 (8.1)	70Ge(499.9,174.9)
779.4 (5.4)	234U(637.8,129.3)	788.7 (15.0)	152Sm(127.3,35.8)
779.6 (3.9)	195Pt(355.7,333.0)	788.8 (9.6)	186W(59.2,145.8)
780.1 (13.6)	157Gd(181.9,79.5)	789.0 (8.3)	193Ir(371.5,112.2)
780.2 (7.0)	148Nd(165.1,138.4)	789.4 (16.1)	142Ce(4337.8,766.0)
780.3 (12.7)	198Au(493.8,317.1)	789.9 (4.3)	193Ir(371.5,112.2)
780.5 (9.0)	144Nd(852.8,4836.9)	790.0 (2.5)	100Mo(180.7,237.6)
780.6 (25.3)	165Dy(176.9,852.1)	790.2 (2.0)	127I(133.6,27.4)
780.7 (8.2)	152Sm(127.3,35.8)	790.3 (2.2)	150Sm(167.8,5281.1)
780.8 (2.2)	232Th(3473.0,566.6)	790.4 (39.5)	238Pu(462.2,434.9)
781.1 (4.4)	23Na(472.4,6395.4)	790.5 (6.2)	141Pr(176.9,140.9)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
791.1(9.2)	154Sm(4987.1,4876.3)	803.3(8.6)	240Pu(4276.5,4151.3)
791.3(14.5)	176Yb(104.5,151.6)	803.3(3.8)	186W(59.2,145.8)
791.5(2.0)	97Mo(787.4,722.7)	803.4(3.1)	234U(637.8,129.3)
791.5(3.3)	115In(273.0,85.6)	803.7(5.8)	193Ir(371.5,112.2)
791.8(9.5)	198Au(493.8,317.1)	803.8(2.1)	102Ru(174.0,136.1)
791.9(3.6)	181Ta(270.4,5965.0)	804.0(15.1)	184W(4573.6,1181.6)
792.1(61.4)	183W(111.2,903.3)	804.2(6.8)	193Ir(371.5,112.2)
792.1(2.5)	150Sm(167.8,5281.1)	804.3(2.9)	181Ta(270.4,5965.0)
792.4(3.2)	104Ru(143.2,159.3)	804.3(16.8)	160Gd(5280.0,394.7)
792.6(7.7)	234U(637.8,129.3)	804.4(2.3)	105Pd(511.9,717.4)
793.2(2.4)	113In(311.6,287.7)	804.7(63.6)	170Yb(6614.7,804.7)
793.3(2.0)	160Dy(6087.3,48.9)	804.8(5.1)	154Sm(4987.1,4876.3)
793.5(15.4)	51V(22.8,125.1)	804.8(9.9)	193Ir(371.5,112.2)
793.9(3.8)	232Th(3473.0,566.6)	805.1(7.0)	238Pu(462.2,434.9)
794.0(5.0)	64Zn(7863.0,751.0)	805.2(2.3)	102Ru(174.0,136.1)
794.0(2.0)	166Er(207.8,798.8)	805.4(2.1)	160Dy(6087.3,48.9)
794.0(2.9)	170Er(197.9,904.0)	805.6(5.2)	141Pr(176.9,140.9)
794.1(3.1)	238U(12.0,133.8)	805.7(10.0)	234U(637.8,129.3)
794.1(3.6)	144Nd(852.8,4836.9)	805.8(12.1)	67Zn(1077.3,1883.1)
794.2(10.0)	240Pu(4276.5,4151.3)	805.9(6.9)	113Cd(558.5,651.3)
794.9(4.8)	187Re(63.6,290.7)	806.4(2.4)	232Th(3473.0,566.6)
795.0(4.4)	150Nd(189.1,57.7)	806.5(2.3)	121Sb(61.4,78.1)
795.1(4.5)	193Ir(371.5,112.2)	806.5(5.4)	182Ta(459.1,315.9)
795.5(28.2)	161Dy(185.0,882.3)	806.7(2.8)	100Mo(180.7,237.6)
795.6(19.8)	168Er(64.6,4908.8)	807.6(2.3)	150Sm(167.8,5281.1)
795.6(3.6)	159Tb(75.1,63.7)	807.7(46.2)	161Dy(185.0,882.3)
795.8(2.3)	150Sm(167.8,5281.1)	807.8(9.3)	45Sc(227.8,142.5)
796.3(3.2)	139La(5097.7,4842.7)	807.8(19.6)	193Ir(371.5,112.2)
796.4(2.2)	115In(273.0,85.6)	808.2(3.1)	234U(637.8,129.3)
796.5(2.3)	185Re(59.0,214.6)	808.2(8.5)	70Ge(499.9,174.9)
797.0(2.4)	181Ta(270.4,5965.0)	808.2(48.4)	76Ge(5912.9,5049.1)
797.0(9.4)	193Ir(371.5,112.2)	808.3(34.2)	142Ce(4337.8,766.0)
797.1(5.5)	100Mo(180.7,237.6)	808.4(3.9)	152Sm(127.3,35.8)
797.2(7.5)	146Nd(314.7,78.0)	808.7(10.8)	232Th(3473.0,566.6)
797.3(10.6)	232Th(3473.0,566.6)	808.8(3.7)	209Bi(319.7,162.2)
797.3(23.3)	238Pu(462.2,434.9)	809.0(18.0)	120Sn(925.7,942.9)
797.4(2.3)	104Ru(143.2,159.3)	809.8(5.5)	75Se(559.1,8724.4)
798.1(6.0)	111Cd(617.5,851.2)	809.9(4.3)	193Ir(371.5,112.2)
798.1(7.4)	232Th(3473.0,566.6)	810.5(100.0)	57Fe(810.5,863.6)
798.1(2.3)	113In(311.6,287.7)	810.5(50.0)	120Sn(925.7,942.9)
798.2(27.9)	238Pu(462.2,434.9)	810.5(17.4)	166Er(207.8,798.8)
798.3(4.3)	70Ge(499.9,174.9)	810.5(4.9)	108Pd(113.4,245.1)
798.5(6.7)	160Dy(6087.3,48.9)	810.8(4.9)	100Mo(180.7,237.6)
798.6(5.5)	168Er(64.6,4908.8)	810.9(4.7)	235U(642.2,687.5)
798.7(2.1)	69Ga(508.4,691.0)	811.0(2.9)	167Er(184.3,6677.4)
798.8(66.2)	166Er(207.8,798.8)	811.4(9.8)	174Yb(514.9,5266.7)
798.9(4.1)	167Er(184.3,6677.4)	811.4(2.1)	230Th(185.7,4284.9)
798.9(6.3)	234U(637.8,129.3)	811.9(5.9)	144Nd(852.8,4836.9)
799.9(3.7)	23Na(472.4,6395.4)	812.0(2.5)	121Sb(61.4,78.1)
800.5(3.8)	240Pu(4276.5,4151.3)	812.1(5.0)	122Te(158.9,439.9)
801.1(9.3)	141Pr(176.9,140.9)	812.3(5.5)	193Ir(371.5,112.2)
801.2(2.3)	115In(273.0,85.6)	812.5(2.9)	93Nb(99.4,255.9)
801.5(15.7)	186Os(427.1,400.8)	812.8(3.9)	154Sm(4987.1,4876.3)
801.6(5.8)	193Ir(371.5,112.2)	813.0(5.4)	174Hf(125.7,5842.2)
802.6(7.3)	83Kr(881.7,1213.4)	813.3(2.1)	113In(311.6,287.7)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
813.5 (16.3)	234U(637.8,129.3)	825.2 (7.4)	152Sm(127.3,35.8)
813.7 (6.1)	186W(59.2,145.8)	825.4 (3.8)	232Th(3473.0,566.6)
814.1 (2.5)	115In(273.0,85.6)	825.5 (51.2)	238Pu(462.2,434.9)
814.3 (6.2)	44Ca(174.3,5515.0)	825.7 (9.2)	113In(311.6,287.7)
814.4 (4.4)	142Nd(742.1,563.8)	825.7 (23.8)	136Ce(434.0,514.2)
814.6 (4.2)	193Ir(371.5,112.2)	825.7 (2.0)	192Os(5276.0,5583.3)
814.7 (11.8)	232Th(3473.0,566.6)	825.7 (4.0)	160Dy(6087.3,48.9)
815.0 (4.5)	81Br(29.1,287.7)	825.9 (8.9)	193Ir(371.5,112.2)
815.1 (3.2)	154Sm(4987.1,4876.3)	826.8 (8.4)	232Th(3473.0,566.6)
815.4 (2.5)	79Br(37.1,245.2)	827.0 (100.0)	124Sn(187.6,616.4)
815.5 (6.0)	153Gd(123.1,247.9)	827.2 (10.5)	168Yb(191.2,720.0)
815.9 (5.6)	60Ni(7819.6,7820.3)	827.9 (3.8)	238U(12.0,133.8)
815.9 (13.1)	186W(59.2,145.8)	828.7 (11.0)	232Th(3473.0,566.6)
816.0 (76.9)	167Er(184.3,6677.4)	828.8 (4.3)	234U(637.8,129.3)
816.5 (2.7)	81Br(29.1,287.7)	828.9 (2.9)	123Sb(87.6,40.8)
817.1 (3.6)	190Os(5146.8,527.5)	828.9 (2.5)	189Os(186.7,558.0)
817.2 (2.1)	141Pr(176.9,140.9)	829.0 (2.4)	148Nd(165.1,138.4)
817.3 (3.7)	85Rb(557.0,488.0)	829.2 (5.8)	187Re(63.6,290.7)
817.5 (23.3)	238Pu(462.2,434.9)	829.2 (12.7)	193Ir(371.5,112.2)
817.7 (2.6)	159Tb(75.1,63.7)	829.4 (4.9)	187Os(155.0,633.1)
817.9 (10.0)	76Se(239.0,520.6)	830.0 (7.3)	167Er(184.3,6677.4)
818.1 (2.0)	181Ta(270.4,5965.0)	830.4 (6.3)	27Al(7723.9,2960.0)
818.2 (3.4)	182W(6190.0,4249.0)	830.4 (9.1)	232Th(3473.0,566.6)
818.5 (2.2)	203Tl(139.9,319.3)	830.6 (2.5)	102Ru(174.0,136.1)
818.7 (100.0)	135Ba(818.7,1261.8)	830.7 (23.7)	248Cm(1408.3,1622.9)
818.7 (10.0)	115Sn(1293.6,972.6)	830.7 (3.1)	79Br(37.1,245.2)
818.8 (5.6)	150Sm(167.8,5281.1)	830.9 (2.6)	123Sb(87.6,40.8)
819.0 (2.1)	163Dy(688.4,754.8)	831.0 (2.1)	154Sm(4987.1,4876.3)
819.5 (2.5)	115In(273.0,85.6)	831.0 (3.6)	193Ir(371.5,112.2)
819.6 (8.6)	248Cm(1408.3,1622.9)	831.1 (25.6)	248Cm(1408.3,1622.9)
819.9 (30.4)	154Sm(4987.1,4876.3)	831.2 (6.6)	65Cu(186.0,465.2)
819.9 (7.3)	198Au(493.8,317.1)	831.3 (29.4)	70Ge(499.9,174.9)
820.8 (7.2)	162Dy(351.1,421.9)	831.5 (10.0)	234U(637.8,129.3)
821.2 (11.4)	167Er(184.3,6677.4)	831.6 (3.9)	108Pd(113.4,245.1)
821.4 (2.8)	122Te(158.9,439.9)	831.8 (2.1)	160Dy(6087.3,48.9)
821.7 (2.9)	139La(5097.7,4842.7)	831.8 (8.4)	238U(12.0,133.8)
822.0 (3.2)	150Sm(167.8,5281.1)	832.0 (2.1)	154Sm(4987.1,4876.3)
822.2 (21.6)	186Os(427.1,400.8)	832.0 (3.7)	163Dy(688.4,754.8)
822.5 (65.4)	184W(4573.6,1181.6)	832.1 (2.5)	123Sb(87.6,40.8)
822.6 (3.9)	193Ir(371.5,112.2)	832.1 (9.6)	232Th(3473.0,566.6)
822.6 (2.9)	115In(273.0,85.6)	832.1 (3.1)	141Pr(176.9,140.9)
822.6 (5.7)	99Ru(539.7,687.0)	832.1 (7.9)	186W(59.2,145.8)
822.7 (9.8)	65Cu(186.0,465.2)	832.3 (3.1)	159Tb(75.1,63.7)
823.1 (5.5)	100Mo(180.7,237.6)	832.3 (5.1)	193Ir(371.5,112.2)
823.2 (25.0)	51V(22.8,125.1)	832.6 (50.0)	170Yb(6614.7,804.7)
823.4 (2.2)	167Er(184.3,6677.4)	832.7 (12.5)	248Cm(1408.3,1622.9)
823.4 (4.1)	141Pr(176.9,140.9)	833.5 (4.8)	162Dy(351.1,421.9)
823.4 (8.8)	168Er(64.6,4908.8)	833.6 (15.6)	232Th(3473.0,566.6)
823.5 (3.1)	193Ir(371.5,112.2)	833.8 (4.8)	176Yb(104.5,151.6)
823.6 (2.3)	234U(637.8,129.3)	834.0 (4.2)	193Ir(371.5,112.2)
823.7 (3.2)	123Sb(87.6,40.8)	834.1 (7.3)	152Sm(127.3,35.8)
824.5 (4.2)	104Ru(143.2,159.3)	834.8 (2.8)	150Sm(167.8,5281.1)
824.5 (2.9)	121Sb(61.4,78.1)	834.8 (100.0)	53Cr(834.8,8884.2)
824.7 (2.7)	168Yb(191.2,720.0)	834.9 (3.4)	197Au(214.8,6252.6)
825.1 (5.5)	176Yb(104.5,151.6)	835.0 (4.1)	159Tb(75.1,63.7)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
835.0 (64.7)	68Zn(1008.0,5474.0)	844.5 (3.6)	232Th(3473.0,566.6)
835.0 (13.4)	232Th(3473.0,566.6)	844.8 (15.8)	193Ir(371.5,112.2)
835.1 (5.4)	45Sc(227.8,142.5)	845.2 (8.6)	162Dy(351.1,421.9)
835.7 (29.4)	186Os(427.1,400.8)	845.3 (36.8)	170Yb(6614.7,804.7)
835.7 (12.7)	93Nb(99.4,255.9)	845.5 (2.5)	153Gd(123.1,247.9)
835.7 (2.5)	80Se(467.7,6233.0)	845.9 (5.2)	150Sm(167.8,5281.1)
835.9 (3.7)	197Au(214.8,6252.6)	846.0 (20.0)	51V(22.8,125.1)
836.6 (2.3)	natCa(1942.0,6419.9)	846.2 (30.3)	248Cm(1408.3,1622.9)
836.7 (8.2)	232Th(3473.0,566.6)	846.3 (3.7)	108Pd(113.4,245.1)
836.7 (14.5)	136Ce(434.0,514.2)	846.6 (4.3)	193Ir(371.5,112.2)
836.7 (11.2)	168Er(64.6,4908.8)	846.7 (30.8)	88Sr(1032.0,934.5)
836.9 (2.4)	159Tb(75.1,63.7)	846.8 (4.3)	148Nd(165.1,138.4)
837.0 (6.1)	130Te(295.9,3346.9)	846.9 (7.0)	232Th(3473.0,566.6)
837.5 (3.5)	184Os(431.2,6588.0)	847.3 (2.5)	192Os(5276.0,5583.3)
837.7 (12.1)	natAr(167.3,4745.0)	847.3 (2.1)	190Os(5146.8,527.5)
838.0 (4.3)	46Ti(158.6,1391.5)	847.4 (2.4)	176Yb(104.5,151.6)
838.7 (3.3)	150Sm(167.8,5281.1)	847.5 (5.1)	115In(273.0,85.6)
838.7 (9.0)	175Lu(71.5,225.4)	847.7 (17.1)	95Mo(778.3,850.0)
839.0 (2.4)	81Br(29.1,287.7)	848.2 (40.0)	120Sn(925.7,942.9)
839.0 (13.2)	152Sm(127.3,35.8)	848.8 (4.2)	150Sm(167.8,5281.1)
839.5 (2.6)	232Th(3473.0,566.6)	848.8 (7.9)	186W(59.2,145.8)
839.9 (6.8)	74Se(286.6,7734.1)	848.9 (2.4)	139La(5097.7,4842.7)
840.0 (13.1)	184W(4573.6,1181.6)	848.9 (3.5)	184Os(431.2,6588.0)
840.2 (20.5)	186W(59.2,145.8)	849.9 (2.3)	234U(637.8,129.3)
840.3 (5.4)	234U(637.8,129.3)	850.0 (21.5)	95Mo(778.3,850.0)
840.4 (37.7)	170Yb(6614.7,804.7)	850.0 (3.8)	232Th(3473.0,566.6)
840.4 (27.8)	205Tl(304.9,266.1)	850.6 (2.4)	153Gd(123.1,247.9)
840.6 (4.6)	146Nd(314.7,78.0)	850.6 (21.4)	87Sr(1836.0,898.0)
840.6 (3.1)	100Mo(180.7,237.6)	850.7 (2.3)	161Dy(185.0,882.3)
840.9 (5.5)	54Cr(6246.4,241.9)	850.8 (34.8)	76Ge(5912.9,5049.1)
841.0 (3.8)	240Pu(4276.5,4151.3)	850.9 (3.8)	160Dy(6087.3,48.9)
841.0 (3.2)	133Cs(11.2,116.4)	851.0 (7.6)	70Ge(499.9,174.9)
841.1(100.0)	natS(841.1,5420.5)	851.0 (6.5)	159Tb(75.1,63.7)
841.2 (4.0)	155Gd(199.2,89.0)	851.2 (7.5)	111Cd(617.5,851.2)
841.6 (11.7)	74Ge(574.7,253.7)	851.2 (28.9)	205Tl(304.9,266.1)
841.6 (4.6)	113In(311.6,287.7)	851.3 (6.3)	193Ir(371.5,112.2)
841.8 (2.4)	121Sb(61.4,78.1)	852.1 (64.9)	165Dy(176.9,852.1)
842.1 (7.2)	184Os(431.2,6588.0)	852.2 (2.8)	160Dy(6087.3,48.9)
842.3 (5.0)	176Yb(104.5,151.6)	852.2 (5.5)	186W(59.2,145.8)
842.3 (7.1)	198Au(493.8,317.1)	852.2 (2.2)	235U(642.2,687.5)
842.4 (6.2)	160Dy(6087.3,48.9)	852.4 (7.1)	234U(637.8,129.3)
842.5 (2.2)	232Th(3473.0,566.6)	852.6 (9.0)	150Nd(189.1,57.7)
842.5 (6.1)	193Ir(371.5,112.2)	852.8(100.0)	144Nd(852.8,4836.9)
842.5 (3.1)	161Dy(185.0,882.3)	852.9 (2.9)	157Gd(181.9,79.5)
842.5 (3.8)	238U(12.0,133.8)	853.0 (8.0)	150Sm(167.8,5281.1)
842.6 (2.8)	160Dy(6087.3,48.9)	853.1 (5.2)	100Mo(180.7,237.6)
843.2 (2.3)	113In(311.6,287.7)	853.2 (3.9)	168Er(64.6,4908.8)
843.2 (14.2)	163Dy(688.4,754.8)	853.2 (8.8)	238U(12.0,133.8)
843.5 (2.2)	45Sc(227.8,142.5)	853.3 (4.6)	232Th(3473.0,566.6)
843.7 (3.6)	natK(770.3,2073.6)	853.5 (13.3)	167Er(184.3,6677.4)
843.8 (17.1)	234U(637.8,129.3)	853.5 (40.7)	9Be(6809.4,3367.6)
843.8 (2.8)	150Sm(167.8,5281.1)	853.8 (11.0)	193Ir(371.5,112.2)
844.1 (8.1)	154Sm(4987.1,4876.3)	853.8 (2.2)	154Sm(4987.1,4876.3)
844.2 (6.1)	91Zr(934.5,1405.2)	854.1 (4.9)	100Mo(180.7,237.6)
844.3 (3.1)	141Pr(176.9,140.9)	854.5 (6.3)	130Te(295.9,3346.9)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
856.0 (7.7)	193Ir(371.5,112.2)	870.6 (36.6)	23Na(472.4,6395.4)
856.1 (4.0)	81Br(29.1,287.7)	870.7 (2.1)	102Ru(174.0,136.1)
856.3 (3.7)	150Sm(167.8,5281.1)	870.9 (3.1)	157Gd(181.9,79.5)
856.9 (50.0)	124Sn(187.6,616.4)	870.9 (100.0)	natO(870.9,1087.9)
857.2 (28.8)	165Dy(176.9,852.1)	871.0 (4.8)	137Ba(1435.9,5730.8)
857.6 (4.2)	171Yb(5538.8,5690.9)	871.3 (4.9)	181Ta(270.4,5965.0)
858.0 (3.5)	152Sm(127.3,35.8)	871.3 (4.2)	152Sm(127.3,35.8)
858.3 (2.5)	163Dy(688.4,754.8)	871.6 (2.1)	183W(111.2,903.3)
858.7 (2.6)	168Er(64.6,4908.8)	871.7 (2.6)	174Yb(514.9,5266.7)
859.4 (4.5)	174Hf(125.7,5842.2)	871.8 (7.6)	176Yb(104.5,151.6)
859.6 (4.2)	176Yb(104.5,151.6)	872.3 (2.3)	113In(311.6,287.7)
860.0 (18.6)	186Os(427.1,400.8)	872.3 (9.8)	232Th(3473.0,566.6)
860.0 (4.1)	232Th(3473.0,566.6)	872.7 (8.8)	203Tl(139.9,319.3)
860.4 (2.1)	79Br(37.1,245.2)	872.8 (5.5)	186W(59.2,145.8)
860.5 (4.6)	198Au(493.8,317.1)	873.2 (15.2)	153Gd(123.1,247.9)
860.7 (5.9)	45Sc(227.8,142.5)	873.2 (39.5)	85Rb(557.0,488.0)
860.8 (6.4)	248Cm(1408.3,1622.9)	874.1 (4.0)	102Ru(174.0,136.1)
860.9 (13.3)	194Ir(300.3,175.2)	874.4 (2.3)	113In(311.6,287.7)
861.4 (4.8)	248Cm(1408.3,1622.9)	874.5 (3.2)	190Os(5146.8,527.5)
861.4 (5.7)	186W(59.2,145.8)	874.5 (8.1)	194Ir(300.3,175.2)
861.6 (5.8)	232Th(3473.0,566.6)	874.8 (2.4)	159Tb(75.1,63.7)
861.7 (12.3)	46Ca(2013.6,5262.1)	875.0 (2.3)	157Gd(181.9,79.5)
862.2 (14.8)	142Ce(4337.8,766.0)	875.0 (5.0)	232Th(3473.0,566.6)
863.1 (6.4)	102Ru(174.0,136.1)	875.3 (3.8)	181Ta(270.4,5965.0)
863.4 (3.5)	193Ir(371.5,112.2)	875.6 (18.8)	61Ni(1172.8,875.6)
863.6 (27.4)	57Fe(810.5,863.6)	876.0 (10.0)	170Yb(6614.7,804.7)
863.7 (4.9)	234U(637.8,129.3)	876.3 (7.2)	150Nd(189.1,57.7)
863.8 (5.2)	186W(59.2,145.8)	876.4 (2.5)	93Nb(99.4,255.9)
864.0 (3.8)	64Zn(7863.0,751.0)	876.5 (8.8)	193Ir(371.5,112.2)
864.2 (2.0)	67Zn(1077.3,1883.1)	876.5 (3.5)	176Lu(150.4,138.6)
865.0 (7.9)	193Ir(371.5,112.2)	876.8 (2.0)	197Au(214.8,6252.6)
865.4 (23.4)	86Sr(484.8,8039.2)	876.8 (2.5)	150Sm(167.8,5281.1)
865.8 (7.7)	natN(5269.2,1884.8)	877.6 (2.1)	155Gd(199.2,89.0)
865.8 (8.6)	154Sm(4987.1,4876.3)	877.6 (15.0)	154Sm(4987.1,4876.3)
866.1 (17.5)	226Ra(90.0,64.3)	877.6 (5.7)	186W(59.2,145.8)
866.2 (37.0)	86Kr(1475.9,3392.6)	877.8 (2.5)	122Te(158.9,439.9)
866.2 (13.4)	141Pr(176.9,140.9)	878.0 (15.2)	58Ni(8998.4,8533.4)
866.3 (6.6)	142Nd(742.1,563.8)	878.3 (3.1)	63Cu(7916.3,278.2)
866.6 (28.3)	136Ce(434.0,514.2)	878.5 (2.4)	104Ru(143.2,159.3)
866.6 (2.7)	81Br(29.1,287.7)	878.5 (3.3)	166Er(207.8,798.8)
866.6 (6.4)	193Ir(371.5,112.2)	878.6 (13.6)	152Sm(127.3,35.8)
866.7 (11.8)	174Hf(125.7,5842.2)	878.8 (6.0)	234U(637.8,129.3)
866.8 (9.2)	186W(59.2,145.8)	878.8 (2.5)	65Cu(186.0,465.2)
867.2 (3.0)	natCa(1942.0,6419.9)	878.8 (6.7)	93Nb(99.4,255.9)
867.9 (59.1)	73Ge(595.8,867.9)	879.7 (8.2)	141Pr(176.9,140.9)
868.1 (5.5)	139La(5097.7,4842.7)	879.8 (2.5)	93Nb(99.4,255.9)
868.2 (3.9)	102Ru(174.0,136.1)	880.2 (9.4)	150Nd(189.1,57.7)
868.3 (2.6)	197Au(214.8,6252.6)	880.6 (3.3)	153Gd(123.1,247.9)
868.3 (3.3)	162Dy(351.1,421.9)	880.8 (4.2)	81Br(29.1,287.7)
868.8 (82.0)	120Sn(925.7,942.9)	881.3 (2.2)	190Os(5146.8,527.5)
869.0 (12.7)	31P(3900.3,2154.2)	881.6 (6.6)	186W(59.2,145.8)
869.7 (19.5)	170Yb(6614.7,804.7)	881.7 (100.0)	83Kr(881.7,1213.4)
869.9 (6.2)	232Th(3473.0,566.6)	882.0 (7.4)	85Rb(557.0,488.0)
870.5 (7.8)	168Er(64.6,4908.8)	882.2 (2.5)	154Sm(4987.1,4876.3)
870.6 (3.4)	148Nd(165.1,138.4)	882.3 (4.1)	139La(5097.7,4842.7)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
882.3 (66.7)	161Dy (185.0, 882.3)	894.2 (6.5)	93Nb (99.4, 255.9)
882.7 (3.4)	193Ir (371.5, 112.2)	894.6 (34.6)	184W (4573.6, 1181.6)
883.0 (2.9)	154Sm (4987.1, 4876.3)	894.8 (3.0)	181Ta (270.4, 5965.0)
883.2 (2.2)	180Hf (5695.9, 5649.7)	894.8 (35.0)	183W (111.2, 903.3)
883.3 (2.9)	154Sm (4987.1, 4876.3)	895.1 (4.0)	193Ir (371.5, 112.2)
883.5 (6.2)	70Ge (499.9, 174.9)	895.9 (8.6)	81Br (29.1, 287.7)
883.8 (6.6)	93Nb (99.4, 255.9)	896.1 (8.0)	168Er (64.6, 4908.8)
884.2 (2.4)	147Sm (550.0, 630.2)	896.2 (7.6)	176Yb (104.5, 151.6)
884.5 (10.7)	74Ge (574.7, 253.7)	896.5 (2.0)	160Dy (6087.3, 48.9)
884.8 (4.8)	148Nd (165.1, 138.4)	896.8 (3.8)	162Dy (351.1, 421.9)
884.9 (4.6)	77Se (613.7, 694.9)	897.0 (2.3)	123Sb (87.6, 40.8)
885.1 (2.6)	115In (273.0, 85.6)	897.0 (4.9)	93Nb (99.4, 255.9)
885.7 (3.4)	232Th (3473.0, 566.6)	897.5 (3.8)	168Yb (191.2, 720.0)
885.8 (8.3)	76Se (239.0, 520.6)	897.5 (7.2)	122Te (158.9, 439.9)
886.0 (3.7)	150Sm (167.8, 5281.1)	897.6 (11.0)	146Nd (314.7, 78.0)
886.2 (4.3)	199Hg (367.9, 5967.4)	897.6 (17.8)	157Gd (181.9, 79.5)
886.2 (2.9)	235U (642.2, 687.5)	897.7 (17.7)	148Nd (165.1, 138.4)
886.3 (36.8)	170Yb (6614.7, 804.7)	898.0 (56.0)	87Sr (1836.0, 898.0)
886.4 (5.2)	70Ge (499.9, 174.9)	898.3 (6.6)	56Fe (7631.2, 7645.6)
886.9 (3.3)	154Sm (4987.1, 4876.3)	898.5 (2.4)	166Er (207.8, 798.8)
887.0 (15.0)	46Ti (158.6, 1391.5)	898.6 (2.0)	127I (133.6, 27.4)
887.7 (14.4)	165Dy (176.9, 852.1)	899.0 (2.4)	146Nd (314.7, 78.0)
887.9 (2.6)	139La (5097.7, 4842.7)	899.1 (2.2)	176Lu (150.4, 138.6)
888.1 (3.0)	176Yb (104.5, 151.6)	899.6 (2.5)	45Sc (227.8, 142.5)
888.2 (43.6)	161Dy (185.0, 882.3)	899.6 (6.2)	193Ir (371.5, 112.2)
888.2 (2.7)	50Cr (749.0, 8512.1)	899.7 (2.1)	190Os (5146.8, 527.5)
888.4 (11.6)	238Pu (462.2, 434.9)	899.9 (7.2)	248Cm (1408.3, 1622.9)
888.8 (24.7)	184W (4573.6, 1181.6)	900.2 (3.1)	209Bi (319.7, 162.2)
889.1 (4.5)	77Se (613.7, 694.9)	900.8 (2.1)	136Ce (434.0, 514.2)
889.5 (4.6)	192Os (5276.0, 5583.3)	901.3 (2.1)	161Dy (185.0, 882.3)
889.5 (9.1)	234U (637.8, 129.3)	902.1 (78.0)	124Sn (187.6, 616.4)
889.7 (6.8)	193Ir (371.5, 112.2)	902.3 (2.0)	160Dy (6087.3, 48.9)
890.4 (6.2)	232Th (3473.0, 566.6)	902.4 (3.5)	154Sm (4987.1, 4876.3)
890.9 (12.3)	193Ir (371.5, 112.2)	902.5 (3.4)	102Ru (174.0, 136.1)
891.0 (3.6)	76Se (239.0, 520.6)	902.6 (2.1)	157Gd (181.9, 79.5)
891.1 (3.4)	81Br (29.1, 287.7)	902.6 (5.9)	198Au (493.8, 317.1)
891.3 (6.5)	248Cm (1408.3, 1622.9)	902.9 (3.4)	91Zr (934.5, 1405.2)
891.3 (31.0)	183W (111.2, 903.3)	902.9 (11.1)	152Sm (127.3, 35.8)
891.4 (5.6)	193Ir (371.5, 112.2)	902.9 (2.5)	154Sm (4987.1, 4876.3)
891.4 (3.2)	152Sm (127.3, 35.8)	903.0 (4.9)	100Mo (180.7, 237.6)
891.7 (12.7)	186W (59.2, 145.8)	903.3 (63.2)	183W (111.2, 903.3)
891.7 (8.2)	232Th (3473.0, 566.6)	903.3 (41.7)	184W (4573.6, 1181.6)
891.8 (3.7)	150Sm (167.8, 5281.1)	903.5 (4.7)	235U (642.2, 687.5)
891.8 (4.8)	150Nd (189.1, 57.7)	903.7 (3.1)	115In (273.0, 85.6)
892.0 (11.7)	226Ra (90.0, 64.3)	903.9 (10.4)	146Nd (314.7, 78.0)
892.2 (26.0)	86Kr (1475.9, 3392.6)	904.0 (14.2)	170Er (197.9, 904.0)
892.3 (4.8)	139La (5097.7, 4842.7)	904.7 (2.5)	154Sm (4987.1, 4876.3)
892.3 (3.4)	234U (637.8, 129.3)	904.9 (5.8)	102Ru (174.0, 136.1)
892.6 (12.4)	193Ir (371.5, 112.2)	905.0 (3.4)	234U (637.8, 129.3)
892.8 (3.1)	153Gd (123.1, 247.9)	905.3 (19.4)	136Ce (434.0, 514.2)
893.2 (2.3)	136Xe (601.0, 3424.6)	905.4 (3.3)	150Sm (167.8, 5281.1)
893.3 (21.5)	193Ir (371.5, 112.2)	905.5 (2.0)	147Sm (550.0, 630.2)
893.3 (2.5)	238U (12.0, 133.8)	905.9 (3.2)	181Ta (270.4, 5965.0)
893.4 (2.2)	150Nd (189.1, 57.7)	906.4 (33.2)	170Yb (6614.7, 804.7)
894.1 (10.3)	141Pr (176.9, 140.9)	906.7 (4.3)	176Yb (104.5, 151.6)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
906.8 (3.8)	113In(311.6,287.7)	916.6 (5.7)	70Ge(499.9,174.9)
906.9 (3.1)	146Nd(314.7,78.0)	916.8 (2.0)	234U(637.8,129.3)
907.4 (4.1)	102Ru(174.0,136.1)	917.1 (2.7)	194Pt(211.4,98.9)
907.4 (3.7)	150Sm(167.8,5281.1)	917.1 (17.9)	161Dy(185.0,882.3)
907.4 (4.8)	232Th(3473.0,566.6)	917.2 (2.2)	148Nd(165.1,138.4)
907.6 (2.5)	154Gd(86.5,105.3)	917.5 (3.8)	157Gd(181.9,79.5)
907.9 (2.0)	176Lu(150.4,138.6)	918.0 (8.8)	113In(311.6,287.7)
908.3 (14.2)	54Cr(6246.4,241.9)	918.2 (2.9)	234U(637.8,129.3)
908.5 (60.0)	120Sn(925.7,942.9)	918.5 (4.6)	100Mo(180.7,237.6)
908.5 (3.3)	201Hg(439.5,520.3)	918.5 (9.2)	168Er(64.6,4908.8)
909.0 (14.4)	64Zn(7863.0,751.0)	918.7 (6.7)	232Th(3473.0,566.6)
909.1 (13.2)	186W(59.2,145.8)	918.7 (5.1)	148Nd(165.1,138.4)
909.1 (13.1)	235U(642.2,687.5)	920.0 (2.2)	141Pr(176.9,140.9)
909.2 (9.1)	193Ir(371.5,112.2)	920.2 (5.7)	70Ge(499.9,174.9)
909.7 (40.5)	170Yb(6614.7,804.7)	920.5 (4.1)	235U(642.2,687.5)
910.5 (4.9)	150Sm(167.8,5281.1)	920.6 (2.5)	159Tb(75.1,63.7)
910.7 (17.7)	81Br(29.1,287.7)	920.8 (7.3)	121Sb(61.4,78.1)
910.9 (6.1)	192Os(5276.0,5583.3)	920.8 (2.6)	56Fe(7631.2,7645.6)
910.9 (7.5)	203Tl(139.9,319.3)	921.2 (2.3)	136Ce(434.0,514.2)
911.1 (22.3)	193Ir(371.5,112.2)	921.5 (36.4)	170Yb(6614.7,804.7)
911.3 (11.3)	163Dy(688.4,754.8)	921.7 (5.7)	193Ir(371.5,112.2)
911.3 (4.8)	86Sr(484.8,8039.2)	922.1 (4.1)	150Sm(167.8,5281.1)
911.6 (6.1)	93Nb(99.4,255.9)	922.1 (9.3)	235U(642.2,687.5)
911.8 (2.9)	234U(637.8,129.3)	923.6 (5.7)	193Ir(371.5,112.2)
912.0 (3.3)	74Se(286.6,7734.1)	924.2 (9.5)	193Ir(371.5,112.2)
912.0 (5.3)	152Sm(127.3,35.8)	924.4 (8.9)	152Sm(127.3,35.8)
912.0 (2.8)	161Dy(185.0,882.3)	924.5 (3.0)	100Mo(180.7,237.6)
912.5 (10.2)	193Ir(371.5,112.2)	924.8 (4.3)	198Au(493.8,317.1)
912.6 (73.2)	184W(4573.6,1181.6)	925.7 (100.0)	120Sn(925.7,942.9)
912.7 (5.5)	235U(642.2,687.5)	925.7 (2.3)	238Pu(462.2,434.9)
912.8 (9.2)	91Zr(934.5,1405.2)	925.9 (5.5)	193Ir(371.5,112.2)
912.8 (3.8)	88Sr(1032.0,934.5)	926.3 (3.7)	100Mo(180.7,237.6)
913.3 (4.2)	150Sm(167.8,5281.1)	926.3 (2.1)	154Gd(86.5,105.3)
913.6 (4.8)	232Th(3473.0,566.6)	926.8 (2.4)	182W(6190.0,4249.0)
913.7 (3.7)	72Ge(326.0,6390.2)	926.8 (2.5)	194Pt(211.4,98.9)
913.8 (10.0)	85Rb(557.0,488.0)	927.3 (2.0)	121Sb(61.4,78.1)
913.9 (2.7)	194Pt(211.4,98.9)	927.8 (3.4)	234U(637.8,129.3)
914.0 (4.2)	113In(311.6,287.7)	927.9 (4.4)	189Os(186.7,558.0)
914.1 (3.8)	186W(59.2,145.8)	928.1 (13.5)	74Ge(574.7,253.7)
914.3 (2.7)	136Ce(434.0,514.2)	928.3 (2.4)	47Ti(983.5,1312.1)
914.5 (3.1)	79Br(37.1,245.2)	928.7 (6.6)	98Mo(97.6,351.0)
914.7 (7.3)	248Cm(1408.3,1622.9)	928.9 (2.8)	167Er(184.3,6677.4)
914.9 (12.9)	167Er(184.3,6677.4)	929.1 (4.2)	100Mo(180.7,237.6)
915.0 (5.8)	157Gd(181.9,79.5)	929.1 (2.5)	194Pt(211.4,98.9)
915.0 (2.5)	168Er(64.6,4908.8)	930.1 (2.4)	133Cs(11.2,116.4)
915.1 (6.9)	235U(642.2,687.5)	930.7 (8.3)	154Sm(4987.1,4876.3)
915.2 (3.0)	159Tb(75.1,63.7)	930.7 (2.2)	194Pt(211.4,98.9)
915.2 (3.6)	147Sm(550.0,630.2)	930.8 (19.1)	63Ni(1345.8,9656.9)
915.2 (3.0)	148Nd(165.1,138.4)	931.0 (3.2)	54Fe(9297.8,412.0)
915.3 (7.4)	31P(3900.3,2154.2)	931.4 (3.8)	187Os(155.0,633.1)
915.3 (3.7)	194Pt(211.4,98.9)	931.9 (8.3)	115Sn(1293.6,972.6)
915.3 (2.3)	115In(273.0,85.6)	932.0 (2.9)	64Zn(7863.0,751.0)
915.5 (15.4)	154Sm(4987.1,4876.3)	932.4 (4.7)	102Ru(174.0,136.1)
915.5 (2.4)	193Ir(371.5,112.2)	932.7 (7.0)	74Ge(574.7,253.7)
916.3 (2.4)	176Lu(150.4,138.6)	932.8 (4.5)	81Br(29.1,287.7)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
932.8(3.3)	164Dy(184.3,538.5)	944.7(11.3)	161Dy(185.0,882.3)
932.8(2.1)	186W(59.2,145.8)	944.9(3.4)	234U(637.8,129.3)
933.4(2.8)	144Nd(852.8,4836.9)	945.3(4.3)	59Co(58.9,229.7)
933.6(9.3)	238Pu(462.2,434.9)	945.4(2.5)	159Tb(75.1,63.7)
934.1(2.6)	115In(273.0,85.6)	945.6(8.1)	122Te(158.9,439.9)
934.5(100.0)	91Zr(934.5,1405.2)	945.7(5.0)	193Ir(371.5,112.2)
934.5(2.1)	87Sr(1836.0,898.0)	946.5(2.2)	83Kr(881.7,1213.4)
934.5(43.6)	88Sr(1032.0,934.5)	946.8(16.2)	93Nb(99.4,255.9)
935.1(5.2)	70Ge(499.9,174.9)	946.8(15.2)	165Dy(176.9,852.1)
936.5(8.2)	141Pr(176.9,140.9)	947.0(4.3)	76Se(239.0,520.6)
936.5(4.4)	168Er(64.6,4908.8)	947.7(2.7)	115In(273.0,85.6)
936.7(2.5)	176Yb(104.5,151.6)	948.5(20.0)	234U(637.8,129.3)
936.9(2.3)	natCl(1950.9,6110.9)	948.7(6.3)	150Sm(167.8,5281.1)
936.9(100.0)	124Sn(187.6,616.4)	948.7(3.8)	194Pt(211.4,98.9)
937.0(6.7)	144Nd(852.8,4836.9)	949.1(7.5)	184W(4573.6,1181.6)
937.0(2.6)	161Dy(185.0,882.3)	949.7(2.8)	80Se(467.7,6233.0)
937.5(7.4)	102Ru(174.0,136.1)	949.9(2.8)	203Tl(139.9,319.3)
937.5(2.8)	65Cu(186.0,465.2)	950.2(3.5)	136Xe(601.0,3424.6)
937.7(2.6)	60Ni(7819.6,7820.3)	950.3(2.8)	201Hg(439.5,520.3)
938.1(2.2)	83Kr(881.7,1213.4)	950.8(3.0)	190Os(5146.8,527.5)
938.8(32.7)	193Ir(371.5,112.2)	950.9(20.3)	234U(637.8,129.3)
938.9(2.0)	234U(637.8,129.3)	951.2(15.7)	192Os(5276.0,5583.3)
939.2(3.1)	73Ge(595.8,867.9)	951.3(8.6)	150Sm(167.8,5281.1)
939.6(2.7)	168Er(64.6,4908.8)	951.4(2.2)	232Th(3473.0,566.6)
940.4(6.1)	100Mo(180.7,237.6)	951.6(9.3)	193Ir(371.5,112.2)
940.4(2.4)	113In(311.6,287.7)	951.6(2.0)	159Tb(75.1,63.7)
940.5(7.4)	232Th(3473.0,566.6)	951.8(2.1)	76Se(239.0,520.6)
941.2(10.9)	152Sm(127.3,35.8)	952.1(2.2)	74Se(286.6,7734.1)
941.2(2.3)	234U(637.8,129.3)	952.3(2.8)	81Br(29.1,287.7)
941.3(5.6)	193Ir(371.5,112.2)	953.2(7.0)	176Yb(104.5,151.6)
941.5(3.8)	170Er(197.9,904.0)	953.8(2.1)	139La(5097.7,4842.7)
941.9(14.8)	150Nd(189.1,57.7)	954.0(10.3)	193Ir(371.5,112.2)
941.9(4.8)	139La(5097.7,4842.7)	954.2(9.1)	152Sm(127.3,35.8)
941.9(2.2)	243Am(87.7,75.3)	954.5(3.2)	75Se(559.1,8724.4)
942.0(18.7)	248Cm(1408.3,1622.9)	955.1(2.6)	160Dy(6087.3,48.9)
942.0(5.5)	146Nd(314.7,78.0)	955.4(12.9)	234U(637.8,129.3)
942.8(7.9)	232Th(3473.0,566.6)	956.2(17.8)	235U(642.2,687.5)
942.9(100.0)	120Sn(925.7,942.9)	956.3(6.3)	193Ir(371.5,112.2)
943.0(16.2)	235U(642.2,687.5)	957.0(6.0)	193Ir(371.5,112.2)
943.4(3.4)	83Kr(881.7,1213.4)	957.1(3.1)	76Se(239.0,520.6)
943.7(8.2)	141Pr(176.9,140.9)	957.3(8.8)	93Nb(99.4,255.9)
943.8(32.5)	176Yb(104.5,151.6)	957.3(2.9)	146Nd(314.7,78.0)
944.1(12.9)	146Nd(314.7,78.0)	957.5(14.4)	141Pr(176.9,140.9)
944.1(4.5)	159Tb(75.1,63.7)	957.6(3.9)	248Cm(1408.3,1622.9)
944.1(46.6)	157Gd(181.9,79.5)	958.3(7.8)	235U(642.2,687.5)
944.1(8.2)	47Ti(983.5,1312.1)	959.0(3.9)	181Ta(270.4,5965.0)
944.2(13.0)	86Kr(1475.9,3392.6)	959.9(7.4)	155Gd(199.2,89.0)
944.3(5.1)	115In(273.0,85.6)	959.9(5.5)	235U(642.2,687.5)
944.3(24.3)	148Nd(165.1,138.4)	960.1(3.7)	201Hg(439.5,520.3)
944.3(20.3)	184W(4573.6,1181.6)	960.1(2.3)	148Nd(165.1,138.4)
944.4(2.5)	168Er(64.6,4908.8)	960.2(8.4)	193Ir(371.5,112.2)
944.5(2.6)	93Nb(99.4,255.9)	960.3(2.5)	121Sb(61.4,78.1)
944.6(7.1)	31P(3900.3,2154.2)	960.5(4.2)	155Gd(199.2,89.0)
944.6(2.2)	157Gd(181.9,79.5)	960.6(2.3)	168Yb(191.2,720.0)
944.7(4.2)	85Rb(557.0,488.0)	961.1(14.5)	73Ge(595.8,867.9)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
961.3 (14.2)	193Ir (371.5, 112.2)	975.8 (7.2)	141Pr (176.9, 140.9)
961.5 (2.4)	171Yb (5538.8, 5690.9)	975.9 (7.7)	72Ge (326.0, 6390.2)
961.5 (5.6)	205Tl (304.9, 266.1)	976.2 (10.9)	natMg (3916.7, 2828.1)
961.6 (7.3)	72Ge (326.0, 6390.2)	976.5 (11.4)	81Br (29.1, 287.7)
962.0 (8.7)	146Nd (314.7, 78.0)	976.6 (2.1)	123Sb (87.6, 40.8)
962.0 (5.6)	193Ir (371.5, 112.2)	976.8 (2.5)	159Tb (75.1, 63.7)
962.1 (29.7)	157Gd (181.9, 79.5)	977.1 (21.1)	157Gd (181.9, 79.5)
962.2 (15.7)	148Nd (165.1, 138.4)	977.1 (5.5)	146Nd (314.7, 78.0)
962.2 (2.0)	234U (637.8, 129.3)	977.1 (11.5)	232Th (3473.0, 566.6)
962.4 (4.0)	100Mo (180.7, 237.6)	977.2 (10.6)	148Nd (165.1, 138.4)
962.6 (2.9)	74Se (286.6, 7734.1)	977.4 (10.2)	235U (642.2, 687.5)
962.7 (2.4)	166Er (207.8, 798.8)	977.5 (5.4)	234U (637.8, 129.3)
963.1 (4.1)	248Cm (1408.3, 1622.9)	977.6 (14.7)	186Os (427.1, 400.8)
963.1 (2.4)	115In (273.0, 85.6)	978.0 (2.6)	102Ru (174.0, 136.1)
963.4 (3.2)	83Kr (881.7, 1213.4)	978.1 (2.8)	139La (5097.7, 4842.7)
963.9 (36.4)	170Yb (6614.7, 804.7)	978.5 (4.2)	168Er (64.6, 4908.8)
964.2 (4.7)	171Yb (5538.8, 5690.9)	978.8 (3.2)	74Se (286.6, 7734.1)
964.6 (14.6)	193Ir (371.5, 112.2)	978.9 (2.9)	234U (637.8, 129.3)
965.0 (4.8)	184Os (431.2, 6588.0)	979.2 (2.7)	186W (59.2, 145.8)
965.3 (2.9)	234U (637.8, 129.3)	979.4 (17.9)	152Sm (127.3, 35.8)
966.0 (100.0)	120Sn (925.7, 942.9)	979.7 (2.6)	168Yb (191.2, 720.0)
966.0 (2.9)	163Dy (688.4, 754.8)	979.8 (5.3)	232Th (3473.0, 566.6)
966.4 (2.6)	108Pd (113.4, 245.1)	980.1 (2.6)	natCa (1942.0, 6419.9)
966.5 (2.6)	133Cs (11.2, 116.4)	980.2 (11.6)	182W (6190.0, 4249.0)
966.6 (6.3)	193Ir (371.5, 112.2)	980.3 (15.4)	161Dy (185.0, 882.3)
966.7 (4.1)	141Pr (176.9, 140.9)	980.7 (11.0)	natLi (2032.5, 980.7)
967.1 (9.6)	232Th (3473.0, 566.6)	981.0 (7.2)	168Yb (191.2, 720.0)
967.9 (12.3)	100Mo (180.7, 237.6)	981.2 (3.4)	234U (637.8, 129.3)
968.1 (7.5)	154Sm (4987.1, 4876.3)	981.7 (41.0)	248Cm (1408.3, 1622.9)
968.2 (7.8)	248Cm (1408.3, 1622.9)	981.7 (2.4)	164Dy (184.3, 538.5)
968.3 (23.7)	198Au (493.8, 317.1)	981.9 (26.5)	186Os (427.1, 400.8)
968.4 (11.4)	234U (637.8, 129.3)	982.0 (4.4)	123Sb (87.6, 40.8)
968.4 (6.5)	168Er (64.6, 4908.8)	982.1 (47.7)	248Cm (1408.3, 1622.9)
968.7 (8.5)	150Nd (189.1, 57.7)	982.1 (5.0)	154Sm (4987.1, 4876.3)
968.8 (2.1)	81Br (29.1, 287.7)	982.3 (4.9)	192Os (5276.0, 5583.3)
968.9 (2.1)	115In (273.0, 85.6)	982.4 (2.0)	243Am (87.7, 75.3)
969.8 (7.4)	234U (637.8, 129.3)	982.4 (2.4)	230Th (185.7, 4284.9)
969.9 (8.7)	155Gd (199.2, 89.0)	982.5 (7.0)	176Yb (104.5, 151.6)
969.9 (10.0)	152Sm (127.3, 35.8)	983.1 (60.0)	248Cm (1408.3, 1622.9)
970.1 (2.6)	161Dy (185.0, 882.3)	983.1 (2.4)	243Am (87.7, 75.3)
970.2 (6.7)	232Th (3473.0, 566.6)	983.1 (4.9)	192Os (5276.0, 5583.3)
970.8 (8.6)	150Nd (189.1, 57.7)	983.2 (2.9)	234U (637.8, 129.3)
970.9 (10.3)	100Mo (180.7, 237.6)	983.4 (4.1)	238U (12.0, 133.8)
971.0 (3.3)	166Er (207.8, 798.8)	983.5 (100.0)	47Ti (983.5, 1312.1)
971.0 (4.7)	97Mo (787.4, 722.7)	983.6 (4.8)	154Sm (4987.1, 4876.3)
971.5 (35.0)	124Sn (187.6, 616.4)	983.9 (42.6)	248Cm (1408.3, 1622.9)
971.9 (2.2)	209Bi (319.7, 162.2)	984.0 (3.8)	192Os (5276.0, 5583.3)
972.1 (3.3)	123Sb (87.6, 40.8)	984.0 (4.7)	123Sb (87.6, 40.8)
972.1 (4.7)	65Cu (186.0, 465.2)	984.0 (19.9)	27Al (7723.9, 2960.0)
972.5 (4.4)	115In (273.0, 85.6)	984.6 (2.3)	182Ta (459.1, 315.9)
972.6 (29.4)	100Mo (180.7, 237.6)	984.6 (6.5)	181Ta (270.4, 5965.0)
972.6 (11.3)	115Sn (1293.6, 972.6)	985.8 (9.8)	193Ir (371.5, 112.2)
973.4 (8.8)	100Mo (180.7, 237.6)	986.9 (10.0)	234U (637.8, 129.3)
975.0 (10.6)	193Ir (371.5, 112.2)	987.3 (2.2)	189Os (186.7, 558.0)
975.7 (15.6)	184W (4573.6, 1181.6)	987.4 (6.2)	176Yb (104.5, 151.6)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
987.5 (3.1)	181Ta(270.4,5965.0)	1004.1 (3.5)	104Ru(143.2,159.3)
987.9 (7.3)	155Gd(199.2,89.0)	1004.3 (5.8)	232Th(3473.0,566.6)
988.6 (5.6)	152Sm(127.3,35.8)	1004.5 (2.3)	183W(111.2,903.3)
989.0 (8.2)	193Ir(371.5,112.2)	1004.7 (13.3)	153Gd(123.1,247.9)
989.6 (42.9)	168Er(64.6,4908.8)	1005.1 (5.0)	160Dy(6087.3,48.9)
989.6 (6.3)	186W(59.2,145.8)	1005.2 (5.6)	76Se(239.0,520.6)
990.1 (18.3)	234U(637.8,129.3)	1005.4 (21.6)	141Pr(176.9,140.9)
990.2 (2.6)	235U(642.2,687.5)	1005.6 (10.1)	194Pt(211.4,98.9)
990.4 (15.8)	226Ra(90.0,64.3)	1005.9 (2.4)	195Pt(355.7,333.0)
990.5 (2.7)	91Zr(934.5,1405.2)	1006.0 (7.6)	235U(642.2,687.5)
990.9 (6.7)	232Th(3473.0,566.6)	1006.4 (3.2)	139La(5097.7,4842.7)
991.2 (16.5)	141Pr(176.9,140.9)	1006.4 (3.6)	193Ir(371.5,112.2)
991.3 (37.7)	170Yb(6614.7,804.7)	1006.5 (2.4)	159Tb(75.1,63.7)
991.4 (2.5)	159Tb(75.1,63.7)	1007.4 (21.4)	184W(4573.6,1181.6)
992.0 (2.1)	197Au(214.8,6252.6)	1007.6 (3.1)	186W(59.2,145.8)
992.1 (2.7)	115In(273.0,85.6)	1007.8 (2.3)	93Nb(99.4,255.9)
992.1 (6.6)	139La(5097.7,4842.7)	1007.8 (4.3)	100Mo(180.7,237.6)
992.1 (4.1)	173Yb(176.6,1241.9)	1008.0(100.0)	68Zn(1008.0,5474.0)
992.6 (8.3)	234U(637.8,129.3)	1008.2 (3.3)	104Ru(143.2,159.3)
992.7 (8.9)	198Au(493.8,317.1)	1008.5 (3.1)	96Mo(481.0,720.5)
993.0 (6.5)	184W(4573.6,1181.6)	1009.2 (2.9)	234U(637.8,129.3)
993.3 (2.1)	190Os(5146.8,527.5)	1009.5 (3.2)	155Gd(199.2,89.0)
993.6 (4.6)	150Sm(167.8,5281.1)	1009.6 (6.1)	168Yb(191.2,720.0)
993.9 (4.7)	176Yb(104.5,151.6)	1009.9 (4.0)	137Ba(1435.9,5730.8)
994.2 (2.4)	162Dy(351.1,421.9)	1010.2 (3.0)	157Gd(181.9,79.5)
994.9 (2.6)	102Ru(174.0,136.1)	1010.3 (17.7)	183W(111.2,903.3)
995.2 (2.9)	69Ga(508.4,691.0)	1010.8 (12.1)	193Ir(371.5,112.2)
995.4 (11.4)	234U(637.8,129.3)	1011.0 (2.9)	154Sm(4987.1,4876.3)
995.7 (3.3)	164Dy(184.3,538.5)	1011.4 (4.0)	166Er(207.8,798.8)
996.1 (2.7)	183W(111.2,903.3)	1012.2 (2.5)	167Er(184.3,6677.4)
996.2 (3.8)	232Th(3473.0,566.6)	1012.2 (26.7)	248Cm(1408.3,1622.9)
996.3 (13.9)	153Gd(123.1,247.9)	1012.3 (5.5)	186W(59.2,145.8)
996.4 (3.1)	204Pb(2.3,6729.4)	1012.8 (2.4)	123Sb(87.6,40.8)
997.6 (3.6)	65Cu(186.0,465.2)	1012.9 (2.4)	154Sm(4987.1,4876.3)
997.7 (5.9)	174Hf(125.7,5842.2)	1013.0 (7.6)	81Br(29.1,287.7)
998.2 (4.5)	168Er(64.6,4908.8)	1013.0 (18.0)	232Th(3473.0,566.6)
998.3 (2.3)	146Nd(314.7,78.0)	1013.3 (52.9)	186Os(427.1,400.8)
998.4 (8.1)	157Gd(181.9,79.5)	1013.7 (45.1)	248Cm(1408.3,1622.9)
998.4 (4.3)	148Nd(165.1,138.4)	1013.7 (3.1)	113In(311.6,287.7)
998.5 (2.8)	176Yb(104.5,151.6)	1013.8 (19.8)	168Er(64.6,4908.8)
998.5 (2.0)	133Cs(11.2,116.4)	1014.0 (3.5)	176Lu(150.4,138.6)
999.5 (4.0)	180Hf(5695.9,5649.7)	1014.1 (13.1)	235U(642.2,687.5)
999.8 (6.7)	73Ge(595.8,867.9)	1014.3 (2.3)	230Th(185.7,4284.9)
1001.0 (3.2)	159Tb(75.1,63.7)	1014.4 (2.6)	154Sm(4987.1,4876.3)
1001.2 (2.2)	102Ru(174.0,136.1)	1014.6 (4.5)	184Os(431.2,6588.0)
1001.6 (4.8)	51V(22.8,125.1)	1014.6 (6.4)	193Ir(371.5,112.2)
1001.9 (2.6)	232Th(3473.0,566.6)	1014.7 (2.6)	123Sb(87.6,40.8)
1002.1 (7.9)	168Er(64.6,4908.8)	1014.8 (18.9)	232Th(3473.0,566.6)
1002.2 (9.7)	234U(637.8,129.3)	1014.9 (25.6)	248Cm(1408.3,1622.9)
1002.5 (5.2)	162Dy(351.1,421.9)	1015.2 (4.1)	45Sc(227.8,142.5)
1003.5 (2.1)	190Os(5146.8,527.5)	1015.9 (7.1)	234U(637.8,129.3)
1003.7 (5.5)	178Hf(214.3,304.0)	1016.2 (5.2)	83Kr(881.7,1213.4)
1004.0 (6.1)	157Gd(181.9,79.5)	1016.5 (11.7)	natNe(2035.4,350.3)
1004.0 (11.0)	176Yb(104.5,151.6)	1017.4 (5.2)	70Ge(499.9,174.9)
1004.0 (3.0)	148Nd(165.1,138.4)	1017.4 (2.2)	164Dy(184.3,538.5)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
1018.3 (3.9)	186W(59.2,145.8)	1034.7 (7.0)	81Br(29.1,287.7)
1018.5 (3.7)	121Sb(61.4,78.1)	1036.6 (3.4)	122Te(158.9,439.9)
1018.7 (3.1)	136Ce(434.0,514.2)	1037.0 (3.0)	139La(5097.7,4842.7)
1019.0 (6.0)	56Fe(7631.2,7645.6)	1037.1 (2.6)	81Br(29.1,287.7)
1019.3 (2.0)	123Sb(87.6,40.8)	1037.4 (2.7)	168Yb(191.2,720.0)
1019.4 (5.5)	166Er(207.8,798.8)	1037.8 (8.4)	166Er(207.8,798.8)
1019.8 (5.1)	234U(637.8,129.3)	1038.0 (2.5)	121Sb(61.4,78.1)
1019.9 (4.2)	108Pd(113.4,245.1)	1039.1 (4.5)	171Yb(5538.8,5690.9)
1019.9 (14.3)	168Er(64.6,4908.8)	1039.4 (25.5)	170Yb(6614.7,804.7)
1020.8 (4.7)	150Sm(167.8,5281.1)	1040.4 (10.5)	155Gd(199.2,89.0)
1020.9 (6.4)	139La(5097.7,4842.7)	1041.1 (37.0)	120Sn(925.7,942.9)
1021.7 (2.2)	170Er(197.9,904.0)	1041.3 (10.8)	152Sm(127.3,35.8)
1022.5 (3.9)	150Nd(189.1,57.7)	1041.4 (10.9)	130Te(295.9,3346.9)
1022.6 (2.9)	183W(111.2,903.3)	1041.5 (2.5)	139La(5097.7,4842.7)
1022.6 (11.3)	232Th(3473.0,566.6)	1042.5 (7.1)	168Er(64.6,4908.8)
1023.4 (2.5)	115In(273.0,85.6)	1042.6 (11.0)	100Mo(180.7,237.6)
1023.5 (10.8)	193Ir(371.5,112.2)	1043.1 (2.7)	102Ru(174.0,136.1)
1023.6 (7.7)	97Mo(787.4,722.7)	1043.6 (50.0)	124Sn(187.6,616.4)
1023.6 (18.0)	232Th(3473.0,566.6)	1044.0 (2.5)	69Ga(508.4,691.0)
1023.7 (4.5)	168Yb(191.2,720.0)	1044.3 (7.5)	natAr(167.3,4745.0)
1023.8 (8.6)	152Sm(127.3,35.8)	1044.7 (5.8)	232Th(3473.0,566.6)
1024.0 (2.4)	96Mo(481.0,720.5)	1045.0 (9.4)	234U(637.8,129.3)
1024.7 (3.1)	141Pr(176.9,140.9)	1045.9 (6.4)	105Pd(511.9,717.4)
1024.9 (2.8)	194Pt(211.4,98.9)	1046.1 (3.5)	148Nd(165.1,138.4)
1025.0 (3.5)	100Mo(180.7,237.6)	1046.6 (3.6)	168Er(64.6,4908.8)
1026.2 (2.4)	162Dy(351.1,421.9)	1046.9 (11.3)	194Pt(211.4,98.9)
1026.4 (21.8)	182W(6190.0,4249.0)	1047.0 (3.0)	195Pt(355.7,333.0)
1026.9 (39.5)	85Rb(557.0,488.0)	1047.2 (3.1)	160Dy(6087.3,48.9)
1027.2 (2.8)	186W(59.2,145.8)	1047.2 (4.1)	153Gd(123.1,247.9)
1027.8 (26.1)	184W(4573.6,1181.6)	1047.4 (3.0)	138Ba(627.3,4096.1)
1028.5 (2.2)	150Nd(189.1,57.7)	1047.5 (7.4)	234U(637.8,129.3)
1028.7 (5.4)	131Xe(667.5,667.8)	1048.0 (6.5)	184W(4573.6,1181.6)
1029.3 (5.9)	238U(12.0,133.8)	1048.1 (2.3)	102Ru(174.0,136.1)
1029.6 (6.5)	176Yb(104.5,151.6)	1048.3 (12.1)	135Ba(818.7,1261.8)
1029.8 (18.2)	168Er(64.6,4908.8)	1049.1 (3.7)	194Pt(211.4,98.9)
1030.0 (3.7)	131Xe(667.5,667.8)	1049.3 (5.4)	160Dy(6087.3,48.9)
1030.0 (2.3)	171Yb(5538.8,5690.9)	1050.3 (2.6)	102Ru(174.0,136.1)
1030.6 (5.7)	172Yb(399.4,116.1)	1050.3 (2.8)	159Tb(75.1,63.7)
1030.6 (2.7)	194Pt(211.4,98.9)	1050.4 (7.1)	105Pd(511.9,717.4)
1030.8 (8.5)	100Mo(180.7,237.6)	1050.6 (3.2)	190Os(5146.8,527.5)
1031.1 (2.2)	232Th(3473.0,566.6)	1050.9 (2.8)	204Pb(2.3,6729.4)
1031.6 (7.9)	60Ni(7819.6,7820.3)	1051.4 (19.0)	120Sn(925.7,942.9)
1031.9 (29.4)	184W(4573.6,1181.6)	1051.8 (5.7)	130Te(295.9,3346.9)
1032.0(100.0)	88Sr(1032.0,934.5)	1052.1 (5.3)	232Th(3473.0,566.6)
1032.4 (8.6)	31P(3900.3,2154.2)	1052.2 (4.9)	65Cu(186.0,465.2)
1032.6 (2.1)	139La(5097.7,4842.7)	1052.6 (15.7)	168Er(64.6,4908.8)
1032.6 (9.3)	150Nd(189.1,57.7)	1052.7 (5.5)	natLi(2032.5,980.7)
1032.7 (4.3)	234U(637.8,129.3)	1052.8 (7.3)	100Mo(180.7,237.6)
1032.8 (31.1)	85Rb(557.0,488.0)	1052.9 (2.2)	93Nb(99.4,255.9)
1032.9 (8.9)	142Nd(742.1,563.8)	1053.6 (3.1)	154Sm(4987.1,4876.3)
1033.1 (2.9)	194Pt(211.4,98.9)	1054.4 (6.4)	100Mo(180.7,237.6)
1033.2 (2.4)	146Nd(314.7,78.0)	1054.4 (2.2)	139La(5097.7,4842.7)
1033.7 (2.9)	70Ge(499.9,174.9)	1055.2 (12.2)	205Tl(304.9,266.1)
1034.3 (9.4)	232Th(3473.0,566.6)	1055.3 (2.3)	79Br(37.1,245.2)
1034.4 (3.5)	102Ru(174.0,136.1)	1055.4 (5.8)	232Th(3473.0,566.6)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
1055.4 (11.0)	86Kr(1475.9,3392.6)	1076.6 (8.7)	168Yb(191.2,720.0)
1056.6 (4.1)	150Nd(189.1,57.7)	1077.1 (4.2)	115In(273.0,85.6)
1057.3 (4.9)	234U(637.8,129.3)	1077.3 (100.0)	67Zn(1077.3,1883.1)
1057.5 (7.4)	142Nd(742.1,563.8)	1077.6 (2.3)	83Kr(881.7,1213.4)
1057.9 (4.5)	186W(59.2,145.8)	1077.8 (2.4)	133Cs(11.2,116.4)
1057.9 (5.3)	45Sc(227.8,142.5)	1077.8 (2.3)	177Hf(6112.4,5807.8)
1058.5 (2.4)	166Er(207.8,798.8)	1078.2 (2.0)	234U(637.8,129.3)
1059.0 (4.4)	153Gd(123.1,247.9)	1078.3 (4.4)	184Os(431.2,6588.0)
1059.8 (3.3)	113In(311.6,287.7)	1078.5 (7.4)	168Er(64.6,4908.8)
1060.1 (2.9)	234U(637.8,129.3)	1079.2 (4.4)	155Gd(199.2,89.0)
1060.1 (2.8)	190Os(5146.8,527.5)	1079.3 (2.6)	160Dy(6087.3,48.9)
1060.6 (2.5)	238U(12.0,133.8)	1080.0 (9.4)	81Br(29.1,287.7)
1060.7 (10.0)	120Sn(925.7,942.9)	1080.1 (27.5)	176Yb(104.5,151.6)
1061.2 (2.4)	159Tb(75.1,63.7)	1080.2 (3.3)	176Lu(150.4,138.6)
1061.4 (8.6)	194Pt(211.4,98.9)	1081.4 (2.2)	232Th(3473.0,566.6)
1061.6 (2.2)	168Yb(191.2,720.0)	1081.4 (3.2)	177Hf(6112.4,5807.8)
1061.9 (2.5)	176Lu(150.4,138.6)	1082.3 (8.4)	186W(59.2,145.8)
1062.3 (6.5)	232Th(3473.0,566.6)	1082.5 (2.5)	45Sc(227.8,142.5)
1062.8 (2.1)	154Gd(86.5,105.3)	1083.4 (3.4)	146Nd(314.7,78.0)
1064.5 (6.9)	136Ce(434.0,514.2)	1084.2 (2.3)	243Am(87.7,75.3)
1064.7 (2.1)	235U(642.2,687.5)	1084.8 (2.4)	100Mo(180.7,237.6)
1064.8 (7.0)	86Kr(1475.9,3392.6)	1085.8 (3.7)	234U(637.8,129.3)
1065.0 (2.8)	146Nd(314.7,78.0)	1085.8 (2.1)	159Tb(75.1,63.7)
1065.2 (20.4)	155Gd(199.2,89.0)	1086.0 (2.7)	186W(59.2,145.8)
1065.7 (3.5)	148Nd(165.1,138.4)	1086.3 (4.0)	168Yb(191.2,720.0)
1066.0 (3.1)	176Lu(150.4,138.6)	1086.4 (2.3)	natK(770.3,2073.6)
1066.8 (3.4)	194Pt(211.4,98.9)	1086.9 (2.9)	180Hf(5695.9,5649.7)
1066.8 (4.7)	238U(12.0,133.8)	1087.9 (82.0)	natO(870.9,1087.9)
1067.2 (8.1)	155Gd(199.2,89.0)	1088.1 (4.0)	176Lu(150.4,138.6)
1067.4 (9.0)	186W(59.2,145.8)	1088.5 (2.0)	144Nd(852.8,4836.9)
1067.6 (2.6)	168Yb(191.2,720.0)	1088.7 (15.7)	136Ce(434.0,514.2)
1068.2 (3.3)	159Tb(75.1,63.7)	1089.5 (5.0)	113In(311.6,287.7)
1069.0 (3.5)	190Os(5146.8,527.5)	1089.5 (3.0)	190Os(5146.8,527.5)
1069.5 (6.5)	176Yb(104.5,151.6)	1089.6 (2.2)	238U(12.0,133.8)
1069.7 (2.4)	130Te(295.9,3346.9)	1090.4 (18.5)	50V(1609.2,1776.6)
1070.6 (53.6)	31P(3900.3,2154.2)	1090.7 (2.4)	146Nd(314.7,78.0)
1071.2 (8.6)	186W(59.2,145.8)	1090.7 (5.1)	104Ru(143.2,159.3)
1071.2 (4.3)	180Hf(5695.9,5649.7)	1090.9 (4.0)	234U(637.8,129.3)
1071.4 (18.4)	natNe(2035.4,350.3)	1091.3 (2.0)	159Tb(75.1,63.7)
1072.0 (5.4)	174Hf(125.7,5842.2)	1091.3 (4.0)	160Dy(6087.3,48.9)
1072.6 (8.3)	234U(637.8,129.3)	1091.3 (12.6)	194Pt(211.4,98.9)
1072.6 (6.1)	198Au(493.8,317.1)	1091.3 (10.1)	95Mo(778.3,850.0)
1072.9 (5.2)	150Nd(189.1,57.7)	1091.3 (3.0)	195Pt(355.7,333.0)
1073.1 (7.4)	150Sm(167.8,5281.1)	1091.7 (52.0)	120Sn(925.7,942.9)
1073.5 (2.7)	164Dy(184.3,538.5)	1091.9 (10.0)	96Mo(481.0,720.5)
1073.6 (8.7)	248Cm(1408.3,1622.9)	1092.5 (10.0)	161Dy(185.0,882.3)
1073.9 (12.9)	232Th(3473.0,566.6)	1093.7 (5.0)	171Yb(5538.8,5690.9)
1073.9 (3.5)	81Br(29.1,287.7)	1093.9 (5.0)	186W(59.2,145.8)
1073.9 (3.0)	159Tb(75.1,63.7)	1094.5 (54.8)	168Er(64.6,4908.8)
1074.8 (6.8)	150Nd(189.1,57.7)	1095.0 (6.5)	174Hf(125.7,5842.2)
1075.0 (6.5)	184W(4573.6,1181.6)	1095.6 (3.6)	168Yb(191.2,720.0)
1075.6 (3.1)	130Te(295.9,3346.9)	1095.6 (5.1)	234U(637.8,129.3)
1076.0 (3.3)	194Pt(211.4,98.9)	1095.8 (37.9)	70Ge(499.9,174.9)
1076.3 (10.6)	171Yb(5538.8,5690.9)	1097.0 (9.8)	157Gd(181.9,79.5)
1076.4 (2.2)	102Ru(174.0,136.1)	1097.2 (5.0)	51V(22.8,125.1)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
1097.2(4.3)	232Th(3473.0,566.6)	1110.9(6.2)	150Sm(167.8,5281.1)
1097.3(2.9)	115Sn(1293.6,972.6)	1111.4(2.0)	234U(637.8,129.3)
1097.5(7.7)	100Mo(180.7,237.6)	1111.7(3.5)	190Os(5146.8,527.5)
1097.8(4.0)	139La(5097.7,4842.7)	1114.7(2.3)	189Os(186.7,558.0)
1098.0(6.5)	184W(4573.6,1181.6)	1115.6(2.0)	234U(637.8,129.3)
1098.1(2.8)	160Dy(6087.3,48.9)	1116.0(13.6)	170Yb(6614.7,804.7)
1098.3(2.1)	183W(111.2,903.3)	1116.1(2.1)	81Br(29.1,287.7)
1099.0(15.9)	170Yb(6614.7,804.7)	1116.5(6.2)	157Gd(181.9,79.5)
1099.0(2.9)	234U(637.8,129.3)	1117.2(2.1)	76Se(239.0,520.6)
1099.1(4.9)	60Ni(7819.6,7820.3)	1117.3(2.1)	81Br(29.1,287.7)
1099.4(2.0)	168Yb(191.2,720.0)	1117.5(6.0)	139La(5097.7,4842.7)
1100.1(2.9)	93Nb(99.4,255.9)	1117.7(5.8)	180Hf(5695.9,5649.7)
1100.7(63.0)	120Sn(925.7,942.9)	1117.7(4.3)	232Th(3473.0,566.6)
1100.8(14.3)	98Mo(97.6,351.0)	1117.8(5.0)	168Er(64.6,4908.8)
1101.2(9.4)	232Th(3473.0,566.6)	1118.0(4.1)	93Nb(99.4,255.9)
1101.3(15.6)	73Ge(595.8,867.9)	1118.2(9.5)	153Gd(123.1,247.9)
1101.4(4.4)	186W(59.2,145.8)	1119.1(11.3)	93Nb(99.4,255.9)
1101.7(2.7)	81Br(29.1,287.7)	1119.2(17.0)	157Gd(181.9,79.5)
1101.8(4.8)	139La(5097.7,4842.7)	1119.2(9.3)	148Nd(165.1,138.4)
1101.9(7.2)	141Pr(176.9,140.9)	1119.3(4.5)	146Nd(314.7,78.0)
1102.7(7.5)	190Os(5146.8,527.5)	1119.3(2.2)	159Tb(75.1,63.7)
1102.7(4.6)	113In(311.6,287.7)	1119.7(2.9)	113In(311.6,287.7)
1102.8(3.0)	177Hf(6112.4,5807.8)	1119.8(9.3)	171Yb(5538.8,5690.9)
1104.0(6.9)	198Au(493.8,317.1)	1119.9(11.0)	100Mo(180.7,237.6)
1104.0(6.5)	184W(4573.6,1181.6)	1119.9(3.4)	155Gd(199.2,89.0)
1104.1(3.7)	176Yb(104.5,151.6)	1120.3(2.5)	204Pb(2.3,6729.4)
1104.6(2.4)	102Ru(174.0,136.1)	1120.4(3.2)	93Nb(99.4,255.9)
1104.9(3.5)	139La(5097.7,4842.7)	1121.0(2.8)	203Tl(139.9,319.3)
1105.0(2.0)	138Ba(627.3,4096.1)	1121.1(60.2)	49Ti(1553.8,1121.1)
1105.1(14.1)	136Ce(434.0,514.2)	1121.2(90.0)	120Sn(925.7,942.9)
1105.3(24.7)	85Rb(557.0,488.0)	1121.4(6.9)	183W(111.2,903.3)
1105.5(3.4)	232Th(3473.0,566.6)	1122.6(22.2)	184W(4573.6,1181.6)
1105.6(8.3)	73Ge(595.8,867.9)	1122.7(2.2)	93Nb(99.4,255.9)
1106.6(6.3)	154Sm(4987.1,4876.3)	1123.6(4.6)	45Sc(227.8,142.5)
1107.2(3.9)	186W(59.2,145.8)	1124.4(2.0)	234U(637.8,129.3)
1107.3(5.2)	57Fe(810.5,863.6)	1124.4(6.8)	83Kr(881.7,1213.4)
1107.4(5.4)	64Ni(6034.8,310.2)	1125.0(5.7)	129Xe(535.7,585.5)
1107.4(2.9)	93Nb(99.4,255.9)	1125.0(8.7)	161Dy(185.0,882.3)
1107.4(6.8)	146Nd(314.7,78.0)	1125.5(4.4)	139La(5097.7,4842.7)
1107.5(2.7)	159Tb(75.1,63.7)	1125.7(6.8)	81Br(29.1,287.7)
1107.6(24.6)	157Gd(181.9,79.5)	1125.7(4.6)	232Th(3473.0,566.6)
1107.6(14.8)	148Nd(165.1,138.4)	1126.1(6.5)	67Zn(1077.3,1883.1)
1107.9(3.9)	100Mo(180.7,237.6)	1126.4(44.6)	184W(4573.6,1181.6)
1107.9(13.4)	141Pr(176.9,140.9)	1127.4(11.3)	248Cm(1408.3,1622.9)
1108.0(2.4)	180Hf(5695.9,5649.7)	1128.1(6.3)	105Pd(511.9,717.4)
1108.2(2.5)	157Gd(181.9,79.5)	1128.6(10.3)	153Gd(123.1,247.9)
1109.0(2.8)	147Sm(550.0,630.2)	1128.7(8.9)	61Ni(1172.8,875.6)
1109.1(3.6)	160Dy(6087.3,48.9)	1128.9(6.9)	173Yb(176.6,1241.9)
1109.4(3.5)	168Yb(191.2,720.0)	1128.9(2.6)	232Th(3473.0,566.6)
1109.4(3.4)	232Th(3473.0,566.6)	1129.0(5.5)	93Nb(99.4,255.9)
1110.0(6.5)	184W(4573.6,1181.6)	1129.2(14.5)	170Yb(6614.7,804.7)
1110.0(2.4)	203Tl(139.9,319.3)	1129.4(17.4)	natMg(3916.7,2828.1)
1110.5(5.3)	150Nd(189.1,57.7)	1129.4(3.1)	155Gd(199.2,89.0)
1110.6(4.0)	142Nd(742.1,563.8)	1129.5(2.8)	192Os(5276.0,5583.3)
1110.7(26.0)	136Ce(434.0,514.2)	1129.7(17.4)	161Dy(185.0,882.3)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
1129.9 (12.7)	75Se (559.1, 8724.4)	1151.4 (2.8)	168Yb (191.2, 720.0)
1130.6 (2.5)	146Nd (314.7, 78.0)	1151.7 (3.6)	232Th (3473.0, 566.6)
1131.1 (6.2)	141Pr (176.9, 140.9)	1151.9 (3.5)	113In (311.6, 287.7)
1131.1 (5.8)	natCl (1950.9, 6110.9)	1153.0 (6.4)	100Mo (180.7, 237.6)
1131.4 (5.6)	73Ge (595.8, 867.9)	1153.3 (10.1)	184W (4573.6, 1181.6)
1131.5 (3.8)	76Se (239.0, 520.6)	1153.6 (14.8)	155Gd (199.2, 89.0)
1131.8 (4.3)	104Ru (143.2, 159.3)	1153.7 (2.1)	146Nd (314.7, 78.0)
1132.1 (7.6)	91Zr (934.5, 1405.2)	1153.8 (4.2)	148Nd (165.1, 138.4)
1132.8 (3.6)	160Dy (6087.3, 48.9)	1154.1 (8.8)	142Ce (4337.8, 766.0)
1132.8 (3.3)	180Hf (5695.9, 5649.7)	1154.2 (14.8)	155Gd (199.2, 89.0)
1133.4 (4.8)	81Br (29.1, 287.7)	1154.3 (3.6)	232Th (3473.0, 566.6)
1133.7 (3.4)	139La (5097.7, 4842.7)	1154.4 (9.7)	150Nd (189.1, 57.7)
1133.8 (5.8)	232Th (3473.0, 566.6)	1155.0 (2.0)	171Yb (5538.8, 5690.9)
1134.8 (4.4)	186W (59.2, 145.8)	1155.0 (3.8)	203Tl (139.9, 319.3)
1135.0 (6.0)	69Ga (508.4, 691.0)	1155.6 (2.6)	natCa (1942.0, 6419.9)
1135.0 (14.4)	248Cm (1408.3, 1622.9)	1155.8 (5.5)	168Yb (191.2, 720.0)
1135.3 (2.6)	104Ru (143.2, 159.3)	1156.5 (6.1)	190Os (5146.8, 527.5)
1136.0 (2.1)	142Ce (4337.8, 766.0)	1156.8 (2.5)	160Dy (6087.3, 48.9)
1136.1 (2.4)	131Xe (667.5, 667.8)	1157.5 (7.2)	81Br (29.1, 287.7)
1137.0 (4.1)	148Nd (165.1, 138.4)	1157.5 (7.2)	100Mo (180.7, 237.6)
1137.0 (2.7)	160Dy (6087.3, 48.9)	1157.5 (2.4)	139La (5097.7, 4842.7)
1137.6 (14.2)	150Nd (189.1, 57.7)	1157.7 (9.3)	141Pr (176.9, 140.9)
1138.1 (7.2)	141Pr (176.9, 140.9)	1157.7 (2.6)	234U (637.8, 129.3)
1138.8 (2.5)	63Cu (7916.3, 278.2)	1158.0 (3.6)	232Th (3473.0, 566.6)
1139.4 (31.8)	70Ge (499.9, 174.9)	1158.4 (24.2)	184W (4573.6, 1181.6)
1139.5 (5.5)	186W (59.2, 145.8)	1158.6 (2.6)	160Dy (6087.3, 48.9)
1139.9 (6.7)	69Ga (508.4, 691.0)	1158.8 (16.2)	natK (770.3, 2073.6)
1140.4 (3.7)	55Mn (26.6, 7243.8)	1158.8 (2.3)	63Cu (7916.3, 278.2)
1140.8 (2.0)	168Yb (191.2, 720.0)	1159.0 (2.7)	146Nd (314.7, 78.0)
1141.3 (4.1)	148Nd (165.1, 138.4)	1159.0 (4.4)	148Nd (165.1, 138.4)
1141.4 (7.9)	157Gd (181.9, 79.5)	1159.0 (24.6)	155Gd (199.2, 89.0)
1141.7 (17.0)	120Sn (925.7, 942.9)	1159.2 (4.2)	122Te (158.9, 439.9)
1141.7 (2.0)	127I (133.6, 27.4)	1159.4 (6.0)	198Au (493.8, 317.1)
1141.9 (8.2)	170Yb (6614.7, 804.7)	1159.5 (2.5)	104Ru (143.2, 159.3)
1142.0 (5.7)	162Dy (351.1, 421.9)	1159.6 (65.0)	124Sn (187.6, 616.4)
1142.2 (16.6)	234U (637.8, 129.3)	1159.7 (6.4)	75Se (559.1, 8724.4)
1143.0 (2.2)	171Yb (5538.8, 5690.9)	1160.0 (2.3)	93Nb (99.4, 255.9)
1144.4 (4.7)	74Se (286.6, 7734.1)	1161.1 (4.4)	144Nd (852.8, 4836.9)
1144.6 (5.0)	168Yb (191.2, 720.0)	1161.8 (4.1)	76Se (239.0, 520.6)
1145.0 (3.5)	77Se (613.7, 694.9)	1162.5 (2.3)	176Yb (104.5, 151.6)
1145.0 (2.3)	234U (637.8, 129.3)	1162.6 (6.0)	natCl (1950.9, 6110.9)
1145.7 (4.8)	232Th (3473.0, 566.6)	1163.0 (10.3)	141Pr (176.9, 140.9)
1146.4 (2.4)	154Gd (86.5, 105.3)	1163.1 (4.3)	168Yb (191.2, 720.0)
1146.6 (2.9)	140Ce (662.0, 4766.6)	1163.3 (7.6)	61Ni (1172.8, 875.6)
1146.6 (17.5)	144Nd (852.8, 4836.9)	1163.5 (4.7)	76Se (239.0, 520.6)
1146.7 (4.4)	166Er (207.8, 798.8)	1164.2 (6.2)	232Th (3473.0, 566.6)
1147.0 (3.5)	137Ba (1435.9, 5730.8)	1164.4 (3.7)	146Nd (314.7, 78.0)
1147.5 (5.0)	75Se (559.1, 8724.4)	1164.6 (11.6)	150Nd (189.1, 57.7)
1149.4 (5.6)	50Cr (749.0, 8512.1)	1164.7 (91.8)	natCl (1950.9, 6110.9)
1149.5 (2.3)	81Br (29.1, 287.7)	1164.8 (3.2)	241Am (186.4, 154.6)
1149.7 (4.0)	187Os (155.0, 633.1)	1164.8 (4.6)	234U (637.8, 129.3)
1150.2 (2.1)	171Yb (5538.8, 5690.9)	1165.1 (52.3)	184W (4573.6, 1181.6)
1150.4 (3.3)	146Nd (314.7, 78.0)	1166.6 (100.0)	50Ti (1166.6, 5206.1)
1150.5 (2.3)	150Nd (189.1, 57.7)	1166.6 (5.9)	45Sc (227.8, 142.5)
1150.7 (23.7)	141Pr (176.9, 140.9)	1166.8 (2.9)	232Th (3473.0, 566.6)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
1167.0 (3.1)	238U(12.0,133.8)	1186.8 (65.6)	natAr(167.3,4745.0)
1167.1 (4.2)	177Hf(6112.4,5807.8)	1186.8 (2.1)	230Th(185.7,4284.9)
1167.4 (3.3)	167Er(184.3,6677.4)	1186.9 (10.5)	146Nd(314.7,78.0)
1167.7 (2.3)	234U(637.8,129.3)	1187.0 (16.8)	148Nd(165.1,138.4)
1168.8 (3.0)	81Br(29.1,287.7)	1187.0 (4.4)	63Ni(1345.8,9656.9)
1169.1 (7.0)	155Gd(199.2,89.0)	1187.1 (20.6)	157Gd(181.9,79.5)
1169.2 (5.2)	44Ca(174.3,5515.0)	1187.1 (16.9)	155Gd(199.2,89.0)
1169.3 (9.0)	88Sr(1032.0,934.5)	1187.3 (3.8)	81Br(29.1,287.7)
1170.2 (3.4)	149Sm(333.9,439.4)	1188.2 (4.6)	168Yb(191.2,720.0)
1170.3 (3.6)	186W(59.2,145.8)	1188.3 (2.0)	93Nb(99.4,255.9)
1170.8 (2.1)	natCl(1950.9,6110.9)	1188.8 (3.6)	58Ni(8998.4,8533.4)
1171.3 (4.1)	232Th(3473.0,566.6)	1188.9 (2.2)	139La(5097.7,4842.7)
1172.1 (2.1)	102Ru(174.0,136.1)	1192.2 (4.3)	93Nb(99.4,255.9)
1172.2 (5.6)	150Nd(189.1,57.7)	1193.0 (20.8)	150Nd(189.1,57.7)
1172.3 (2.0)	142Ce(4337.8,766.0)	1193.5 (3.2)	81Br(29.1,287.7)
1172.6 (3.1)	76Se(239.0,520.6)	1193.7 (11.3)	248Cm(1408.3,1622.9)
1172.8(100.0)	61Ni(1172.8,875.6)	1194.2 (6.9)	234U(637.8,129.3)
1173.0 (6.0)	234U(637.8,129.3)	1195.6 (9.0)	161Dy(185.0,882.3)
1173.4 (3.3)	166Er(207.8,798.8)	1195.7 (30.1)	184W(4573.6,1181.6)
1173.5 (7.1)	50V(1609.2,1776.6)	1195.8 (3.0)	189Os(186.7,558.0)
1173.7 (20.5)	184W(4573.6,1181.6)	1196.5 (6.2)	232Th(3473.0,566.6)
1174.2 (5.5)	155Gd(199.2,89.0)	1196.5 (2.5)	238U(12.0,133.8)
1174.7 (4.2)	177Hf(6112.4,5807.8)	1197.5 (2.9)	234U(637.8,129.3)
1175.3 (4.9)	177Hf(6112.4,5807.8)	1197.8 (4.7)	168Yb(191.2,720.0)
1175.4 (2.1)	170Er(197.9,904.0)	1198.1 (2.2)	81Br(29.1,287.7)
1175.8 (10.8)	248Cm(1408.3,1622.9)	1198.6 (2.5)	77Se(613.7,694.9)
1176.5 (6.2)	232Th(3473.0,566.6)	1198.6 (7.3)	102Ru(174.0,136.1)
1176.9 (2.6)	139La(5097.7,4842.7)	1200.1 (5.5)	95Mo(778.3,850.0)
1177.0 (2.0)	234U(637.8,129.3)	1200.7 (9.9)	192Os(5276.0,5583.3)
1177.8 (5.3)	85Rb(557.0,488.0)	1201.1 (4.4)	81Br(29.1,287.7)
1177.9 (5.9)	141Pr(176.9,140.9)	1201.7 (3.5)	166Er(207.8,798.8)
1180.0 (17.0)	68Zn(1008.0,5474.0)	1202.3 (3.1)	199Hg(367.9,5967.4)
1180.3 (3.2)	157Gd(181.9,79.5)	1202.4 (2.2)	76Se(239.0,520.6)
1180.4 (9.5)	155Gd(199.2,89.0)	1202.5 (2.6)	234U(637.8,129.3)
1180.8 (3.6)	102Ru(174.0,136.1)	1203.0 (3.5)	69Ga(508.4,691.0)
1181.4 (2.8)	160Dy(6087.3,48.9)	1204.2 (10.1)	73Ge(595.8,867.9)
1181.6 (76.5)	184W(4573.6,1181.6)	1204.5 (2.1)	70Ge(499.9,174.9)
1181.6 (14.4)	205Tl(304.9,266.1)	1204.6 (2.6)	148Nd(165.1,138.4)
1183.0 (2.4)	147Sm(550.0,630.2)	1205.0 (67.6)	90Zr(1466.0,1205.0)
1183.5 (3.9)	146Nd(314.7,78.0)	1205.4 (25.0)	170Yb(6614.7,804.7)
1183.6 (5.0)	168Yb(191.2,720.0)	1205.6 (2.1)	161Dy(185.0,882.3)
1183.8 (5.7)	148Nd(165.1,138.4)	1205.8 (3.5)	199Hg(367.9,5967.4)
1183.9 (3.0)	102Ru(174.0,136.1)	1206.5 (7.5)	93Nb(99.4,255.9)
1184.0 (13.5)	157Gd(181.9,79.5)	1207.2 (3.8)	177Hf(6112.4,5807.8)
1184.3 (2.5)	180Hf(5695.9,5649.7)	1207.5 (8.3)	168Yb(191.2,720.0)
1184.7 (6.9)	60Ni(7819.6,7820.3)	1207.9 (2.4)	49Ti(1553.8,1121.1)
1185.1 (3.8)	232Th(3473.0,566.6)	1208.4 (2.2)	160Dy(6087.3,48.9)
1185.5 (7.7)	234U(637.8,129.3)	1208.8 (5.2)	146Nd(314.7,78.0)
1185.7 (9.0)	148Nd(165.1,138.4)	1208.9 (3.4)	155Gd(199.2,89.0)
1185.7 (4.1)	146Nd(314.7,78.0)	1209.5 (2.2)	102Ru(174.0,136.1)
1185.9 (15.1)	150Nd(189.1,57.7)	1209.7 (2.7)	187Os(155.0,633.1)
1185.9 (3.3)	61Ni(1172.8,875.6)	1209.7 (5.6)	113Cd(558.5,651.3)
1186.0 (23.3)	157Gd(181.9,79.5)	1209.8 (2.2)	133Cs(11.2,116.4)
1186.7 (3.8)	159Tb(75.1,63.7)	1209.8 (2.6)	168Yb(191.2,720.0)
1186.7 (20.5)	248Cm(1408.3,1622.9)	1211.2 (3.3)	58Fe(287.0,6293.6)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
1211.7(6.4)	89Y(6080.5,776.7)	1233.2(4.2)	102Ru(174.0,136.1)
1212.2(2.4)	232Th(3473.0,566.6)	1233.4(4.6)	190Os(5146.8,527.5)
1212.5(4.3)	65Cu(186.0,465.2)	1233.8(7.5)	193Ir(371.5,112.2)
1212.9(12.7)	75Se(559.1,8724.4)	1234.9(2.0)	135Ba(818.7,1261.8)
1213.0(2.6)	144Nd(852.8,4836.9)	1235.0(3.5)	170Er(197.9,904.0)
1213.4(39.9)	83Kr(881.7,1213.4)	1235.0(3.8)	203Tl(139.9,319.3)
1214.0(5.1)	190Os(5146.8,527.5)	1235.5(3.9)	146Nd(314.7,78.0)
1215.1(9.6)	173Yb(176.6,1241.9)	1235.5(4.0)	58Fe(287.0,6293.6)
1216.1(21.8)	75Se(559.1,8724.4)	1235.6(6.4)	135Ba(818.7,1261.8)
1218.0(5.5)	68Zn(1008.0,5474.0)	1236.7(17.2)	86Sr(484.8,8039.2)
1218.1(3.9)	141Pr(176.9,140.9)	1237.5(3.0)	157Gd(181.9,79.5)
1218.3(2.1)	144Nd(852.8,4836.9)	1239.4(3.0)	93Nb(99.4,255.9)
1218.5(5.9)	87Sr(1836.0,898.0)	1239.7(2.5)	113In(311.6,287.7)
1218.7(3.2)	155Gd(199.2,89.0)	1239.8(7.7)	248Cm(1408.3,1622.9)
1219.6(3.9)	148Nd(165.1,138.4)	1240.1(4.8)	77Se(613.7,694.9)
1219.9(3.4)	157Gd(181.9,79.5)	1240.5(35.0)	170Yb(6614.7,804.7)
1220.0(7.4)	161Dy(185.0,882.3)	1240.6(2.0)	102Ru(174.0,136.1)
1220.3(2.5)	170Er(197.9,904.0)	1241.3(11.7)	153Gd(123.1,247.9)
1220.6(5.7)	234U(637.8,129.3)	1241.9(58.5)	173Yb(176.6,1241.9)
1220.8(6.8)	61Ni(1172.8,875.6)	1242.2(2.4)	146Nd(314.7,78.0)
1221.0(5.8)	85Rb(557.0,488.0)	1242.5(10.2)	155Gd(199.2,89.0)
1221.1(7.0)	168Yb(191.2,720.0)	1243.2(2.5)	102Ru(174.0,136.1)
1221.3(2.9)	190Os(5146.8,527.5)	1244.0(3.5)	69Ga(508.4,691.0)
1222.0(32.7)	74Ge(574.7,253.7)	1244.5(4.8)	144Nd(852.8,4836.9)
1222.4(7.0)	155Gd(199.2,89.0)	1245.4(4.0)	234U(637.8,129.3)
1223.0(3.6)	93Nb(99.4,255.9)	1246.1(3.2)	153Gd(123.1,247.9)
1223.3(3.4)	166Er(207.8,798.8)	1246.2(5.3)	102Ru(174.0,136.1)
1224.1(3.0)	142Nd(742.1,563.8)	1246.4(6.6)	234U(637.8,129.3)
1224.4(5.1)	234U(637.8,129.3)	1246.5(3.6)	168Yb(191.2,720.0)
1225.0(6.2)	162Dy(351.1,421.9)	1247.5(2.7)	160Dy(6087.3,48.9)
1225.2(7.5)	139La(5097.7,4842.7)	1247.5(7.0)	natK(770.3,2073.6)
1225.2(15.4)	248Cm(1408.3,1622.9)	1248.2(28.2)	88Sr(1032.0,934.5)
1225.4(3.4)	199Hg(367.9,5967.4)	1248.3(5.5)	168Yb(191.2,720.0)
1225.9(2.3)	113In(311.6,287.7)	1248.5(3.2)	141Pr(176.9,140.9)
1226.6(4.0)	234U(637.8,129.3)	1248.8(3.1)	79Br(37.1,245.2)
1227.8(5.4)	45Sc(227.8,142.5)	1248.8(24.1)	74Ge(574.7,253.7)
1227.9(3.3)	160Dy(6087.3,48.9)	1249.7(4.9)	144Nd(852.8,4836.9)
1228.2(3.3)	93Nb(99.4,255.9)	1249.7(11.9)	198Au(493.8,317.1)
1228.4(31.7)	86Sr(484.8,8039.2)	1250.1(48.6)	72Ge(326.0,6390.2)
1228.6(8.2)	75Se(559.1,8724.4)	1250.7(5.7)	155Gd(199.2,89.0)
1228.9(2.3)	88Sr(1032.0,934.5)	1251.4(2.0)	45Sc(227.8,142.5)
1229.3(4.4)	177Hf(6112.4,5807.8)	1252.0(14.5)	68Zn(1008.0,5474.0)
1229.7(2.8)	100Mo(180.7,237.6)	1252.1(2.3)	115Sn(1293.6,972.6)
1230.0(77.0)	124Sn(187.6,616.4)	1252.3(11.3)	248Cm(1408.3,1622.9)
1230.2(2.6)	81Br(29.1,287.7)	1252.4(4.0)	234U(637.8,129.3)
1230.2(15.8)	97Mo(787.4,722.7)	1253.3(6.4)	161Dy(185.0,882.3)
1230.3(5.7)	146Nd(314.7,78.0)	1253.7(2.7)	113In(311.6,287.7)
1230.3(5.8)	180Hf(5695.9,5649.7)	1253.9(2.7)	139La(5097.7,4842.7)
1230.5(3.7)	148Nd(165.1,138.4)	1254.5(27.0)	120Sn(925.7,942.9)
1230.7(19.5)	155Gd(199.2,89.0)	1254.6(4.4)	176Yb(104.5,151.6)
1231.2(6.0)	141Pr(176.9,140.9)	1255.2(2.3)	122Te(158.9,439.9)
1232.2(3.0)	160Dy(6087.3,48.9)	1255.2(7.3)	190Os(5146.8,527.5)
1232.6(8.1)	168Yb(191.2,720.0)	1256.5(25.2)	150Nd(189.1,57.7)
1233.1(5.2)	139La(5097.7,4842.7)	1256.8(2.7)	160Dy(6087.3,48.9)
1233.1(10.0)	234U(637.8,129.3)	1257.0(2.0)	164Dy(184.3,538.5)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
1257.1 (2.5)	80Se(467.7,6233.0)	1277.4 (9.1)	155Gd(199.2,89.0)
1257.2 (10.6)	168Yb(191.2,720.0)	1277.6 (3.6)	167Er(184.3,6677.4)
1257.4 (6.4)	190Os(5146.8,527.5)	1277.6 (2.0)	168Er(64.6,4908.8)
1258.0 (2.4)	155Gd(199.2,89.0)	1278.5 (2.6)	148Nd(165.1,138.4)
1259.5(100.0)	124Sn(187.6,616.4)	1278.9 (3.2)	157Gd(181.9,79.5)
1259.5 (6.7)	190Os(5146.8,527.5)	1278.9 (14.4)	248Cm(1408.3,1622.9)
1259.6 (3.2)	148Nd(165.1,138.4)	1279.8 (2.3)	234U(637.8,129.3)
1259.8 (5.8)	157Gd(181.9,79.5)	1280.5 (3.0)	166Er(207.8,798.8)
1260.0 (3.8)	64Zn(7863.0,751.0)	1281.4 (2.6)	160Dy(6087.3,48.9)
1260.2 (2.7)	81Br(29.1,287.7)	1283.5 (47.2)	248Cm(1408.3,1622.9)
1260.6 (8.6)	56Fe(7631.2,7645.6)	1283.5 (7.5)	160Dy(6087.3,48.9)
1260.6 (23.8)	44Ca(174.3,5515.0)	1283.5 (2.3)	113Cd(558.5,651.3)
1261.0 (11.3)	67Zn(1077.3,1883.1)	1283.6 (7.1)	234U(637.8,129.3)
1261.7 (4.7)	148Nd(165.1,138.4)	1284.0 (4.6)	139La(5097.7,4842.7)
1261.7 (43.7)	natC(4945.3,3683.9)	1284.7 (10.1)	168Yb(191.2,720.0)
1261.8 (44.7)	135Ba(818.7,1261.8)	1284.8 (15.4)	248Cm(1408.3,1622.9)
1262.0 (4.0)	180Hf(5695.9,5649.7)	1284.8 (4.3)	96Mo(481.0,720.5)
1262.6 (3.9)	142Nd(742.1,563.8)	1285.2 (6.4)	45Sc(227.8,142.5)
1263.0 (5.5)	199Hg(367.9,5967.4)	1285.3 (6.3)	45Sc(227.8,142.5)
1263.0 (4.3)	129Xe(535.7,585.5)	1285.4 (2.2)	97Mo(787.4,722.7)
1263.1 (10.9)	168Yb(191.2,720.0)	1287.3 (3.6)	100Mo(180.7,237.6)
1263.5 (8.9)	157Gd(181.9,79.5)	1287.4 (2.2)	160Dy(6087.3,48.9)
1263.8 (6.9)	190Os(5146.8,527.5)	1288.3 (2.9)	102Ru(174.0,136.1)
1265.2 (5.7)	96Mo(481.0,720.5)	1288.9 (2.4)	140Ce(662.0,4766.6)
1265.4 (4.9)	234U(637.8,129.3)	1291.3 (3.6)	93Nb(99.4,255.9)
1265.7 (2.0)	189Os(186.7,558.0)	1291.3 (10.2)	153Gd(123.1,247.9)
1265.7 (6.7)	190Os(5146.8,527.5)	1291.9 (5.1)	139La(5097.7,4842.7)
1265.9 (2.2)	144Nd(852.8,4836.9)	1292.0 (3.7)	115Sn(1293.6,972.6)
1266.4 (3.2)	155Gd(199.2,89.0)	1293.0 (2.6)	203Tl(139.9,319.3)
1266.4 (7.2)	168Yb(191.2,720.0)	1293.6(100.0)	115Sn(1293.6,972.6)
1267.6 (33.3)	150Nd(189.1,57.7)	1293.6 (13.4)	234U(637.8,129.3)
1267.7 (5.9)	190Os(5146.8,527.5)	1294.0 (4.6)	64Zn(7863.0,751.0)
1267.7 (4.1)	113In(311.6,287.7)	1294.5 (3.0)	166Er(207.8,798.8)
1268.1 (6.3)	190Os(5146.8,527.5)	1295.5 (2.5)	168Er(64.6,4908.8)
1268.5 (2.6)	160Dy(6087.3,48.9)	1295.6 (8.0)	168Yb(191.2,720.0)
1268.5 (2.6)	natK(770.3,2073.6)	1296.0 (16.2)	86Sr(484.8,8039.2)
1269.0 (5.1)	234U(637.8,129.3)	1296.7 (5.4)	234U(637.8,129.3)
1269.4 (2.1)	177Hf(6112.4,5807.8)	1296.9 (4.3)	139La(5097.7,4842.7)
1269.5 (19.5)	248Cm(1408.3,1622.9)	1297.0 (14.0)	76Se(239.0,520.6)
1270.4 (4.2)	45Sc(227.8,142.5)	1297.8 (2.6)	170Er(197.9,904.0)
1270.7 (4.8)	136Ce(434.0,514.2)	1298.0 (3.2)	166Er(207.8,798.8)
1271.5 (4.2)	144Nd(852.8,4836.9)	1298.3 (3.5)	186W(59.2,145.8)
1271.5 (2.7)	186W(59.2,145.8)	1298.4 (3.2)	102Ru(174.0,136.1)
1272.3 (2.3)	234U(637.8,129.3)	1298.8 (29.4)	70Ge(499.9,174.9)
1273.0 (21.3)	160Gd(5280.0,394.7)	1300.3 (5.6)	100Mo(180.7,237.6)
1273.0 (4.7)	166Er(207.8,798.8)	1300.8 (3.5)	157Gd(181.9,79.5)
1273.3 (23.4)	natSi(3539.1,4934.4)	1301.3 (8.0)	234U(637.8,129.3)
1273.4 (2.8)	199Hg(367.9,5967.4)	1301.5 (3.6)	58Ni(8998.4,8533.4)
1273.5 (4.8)	141Pr(176.9,140.9)	1302.5 (2.3)	180Hf(5695.9,5649.7)
1274.4 (11.2)	153Gd(123.1,247.9)	1302.7 (12.0)	136Xe(601.0,3424.6)
1275.1 (15.7)	183W(111.2,903.3)	1302.7 (2.0)	160Dy(6087.3,48.9)
1275.2(100.0)	124Sn(187.6,616.4)	1303.5 (2.0)	176Yb(104.5,151.6)
1275.3 (3.3)	168Er(64.6,4908.8)	1303.6 (4.7)	natK(770.3,2073.6)
1276.8 (5.2)	176Yb(104.5,151.6)	1304.0 (3.8)	160Dy(6087.3,48.9)
1276.9 (24.6)	161Dy(185.0,882.3)	1304.7 (10.1)	168Yb(191.2,720.0)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
1304.8 (2.6)	234U(637.8,129.3)	1330.4 (28.1)	184W(4573.6,1181.6)
1304.9 (17.0)	86Kr(1475.9,3392.6)	1330.5 (7.2)	139La(5097.7,4842.7)
1305.2 (25.8)	85Rb(557.0,488.0)	1330.8 (2.4)	168Er(64.6,4908.8)
1305.5 (30.0)	173Yb(176.6,1241.9)	1331.3 (2.9)	167Er(184.3,6677.4)
1306.6 (3.8)	76Se(239.0,520.6)	1331.4 (4.9)	234U(637.8,129.3)
1306.9 (2.4)	201Hg(439.5,520.3)	1331.8 (11.3)	141Pr(176.9,140.9)
1307.3 (3.1)	51V(22.8,125.1)	1332.2 (10.2)	102Ru(174.0,136.1)
1307.9 (9.6)	173Yb(176.6,1241.9)	1332.3 (2.3)	187Os(155.0,633.1)
1308.1 (2.2)	93Nb(99.4,255.9)	1332.8 (3.5)	160Dy(6087.3,48.9)
1308.1 (8.0)	234U(637.8,129.3)	1333.2 (2.5)	113In(311.6,287.7)
1308.6 (14.9)	77Se(613.7,694.9)	1333.6 (2.6)	51V(22.8,125.1)
1309.0 (4.4)	161Dy(185.0,882.3)	1333.9 (2.9)	234U(637.8,129.3)
1310.0 (3.2)	167Er(184.3,6677.4)	1334.6 (18.5)	248Cm(1408.3,1622.9)
1310.5 (2.2)	102Ru(174.0,136.1)	1335.1 (11.1)	45Sc(227.8,142.5)
1310.6 (4.0)	135Ba(818.7,1261.8)	1335.5 (2.5)	136Xe(601.0,3424.6)
1312.0 (4.0)	69Ga(508.4,691.0)	1336.0 (4.3)	168Yb(191.2,720.0)
1312.1 (33.9)	47Ti(983.5,1312.1)	1337.1 (4.1)	209Bi(319.7,162.2)
1312.1 (4.1)	168Er(64.6,4908.8)	1337.1 (7.1)	234U(637.8,129.3)
1313.5 (16.4)	248Cm(1408.3,1622.9)	1338.0 (11.3)	160Gd(5280.0,394.7)
1313.7 (3.8)	183W(111.2,903.3)	1339.0 (2.6)	122Te(158.9,439.9)
1314.0 (2.3)	46Ti(158.6,1391.5)	1340.0 (12.6)	67Zn(1077.3,1883.1)
1315.0 (10.8)	131Xe(667.5,667.8)	1340.5 (2.4)	177Hf(6112.4,5807.8)
1316.5 (25.2)	150Nd(189.1,57.7)	1341.2 (2.5)	139La(5097.7,4842.7)
1317.3 (4.5)	95Mo(778.3,850.0)	1341.2 (27.0)	150Nd(189.1,57.7)
1317.4 (3.1)	97Mo(787.4,722.7)	1341.5 (4.8)	99Ru(539.7,687.0)
1317.6 (13.2)	131Xe(667.5,667.8)	1341.5 (3.5)	166Er(207.8,798.8)
1318.2 (3.1)	234U(637.8,129.3)	1342.0 (13.3)	248Cm(1408.3,1622.9)
1318.3 (2.3)	122Te(158.9,439.9)	1342.6 (3.8)	160Dy(6087.3,48.9)
1318.3 (7.2)	141Pr(176.9,140.9)	1343.7 (3.0)	102Ru(174.0,136.1)
1319.0 (4.0)	173Yb(176.6,1241.9)	1343.9 (2.0)	137Ba(1435.9,5730.8)
1319.6 (3.7)	234U(637.8,129.3)	1344.0 (3.4)	147Sm(550.0,630.2)
1319.8 (2.2)	88Sr(1032.0,934.5)	1344.2 (2.0)	113In(311.6,287.7)
1319.8 (6.6)	183W(111.2,903.3)	1344.5 (3.1)	234U(637.8,129.3)
1320.3 (2.2)	63Cu(7916.3,278.2)	1345.5 (3.2)	23Na(472.4,6395.4)
1321.2 (2.6)	102Ru(174.0,136.1)	1345.6 (19.6)	184W(4573.6,1181.6)
1321.4 (9.8)	31P(3900.3,2154.2)	1345.8 (2.8)	154Sm(4987.1,4876.3)
1321.8 (3.2)	45Sc(227.8,142.5)	1345.8 (100.0)	63Ni(1345.8,9656.9)
1321.9 (2.7)	45Sc(227.8,142.5)	1346.0 (3.6)	64Ni(6034.8,310.2)
1322.5 (3.5)	168Er(64.6,4908.8)	1347.0 (4.7)	136Ce(434.0,514.2)
1322.7 (2.9)	180Hf(5695.9,5649.7)	1349.7 (2.0)	234U(637.8,129.3)
1323.0 (2.0)	187Os(155.0,633.1)	1350.0 (12.6)	64Zn(7863.0,751.0)
1323.3 (9.1)	150Nd(189.1,57.7)	1350.7 (5.5)	160Dy(6087.3,48.9)
1323.4 (9.3)	157Gd(181.9,79.5)	1351.5 (3.4)	167Er(184.3,6677.4)
1323.9 (3.2)	167Er(184.3,6677.4)	1353.2 (2.1)	173Yb(176.6,1241.9)
1324.1 (2.5)	123Te(602.4,722.4)	1353.5 (5.9)	166Er(207.8,798.8)
1324.3 (2.6)	234U(637.8,129.3)	1354.0 (2.9)	natAr(167.3,4745.0)
1325.0 (2.1)	51V(22.8,125.1)	1354.4 (5.4)	234U(637.8,129.3)
1325.5 (4.8)	168Yb(191.2,720.0)	1354.8 (3.0)	160Dy(6087.3,48.9)
1326.4 (5.1)	88Sr(1032.0,934.5)	1354.8 (5.0)	201Hg(439.5,520.3)
1327.1 (4.3)	157Gd(181.9,79.5)	1355.2 (5.5)	65Cu(186.0,465.2)
1327.2 (2.3)	176Yb(104.5,151.6)	1356.0 (2.8)	168Er(64.6,4908.8)
1327.3 (4.4)	natCl(1950.9,6110.9)	1356.3 (2.0)	180Hf(5695.9,5649.7)
1328.2 (3.1)	141Pr(176.9,140.9)	1356.4 (2.2)	160Dy(6087.3,48.9)
1328.5 (5.5)	186W(59.2,145.8)	1356.9 (5.3)	115Sn(1293.6,972.6)
1329.8 (4.2)	180Hf(5695.9,5649.7)	1357.9 (12.0)	234U(637.8,129.3)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
1358.0 (2.5)	186W(59.2,145.8)	1384.4 (3.0)	148Nd(165.1,138.4)
1358.5 (12.9)	51V(22.8,125.1)	1385.1 (2.4)	139La(5097.7,4842.7)
1358.7 (3.1)	56Fe(7631.2,7645.6)	1386.4 (12.6)	183W(111.2,903.3)
1359.0 (2.3)	69Ga(508.4,691.0)	1386.9 (3.1)	234U(637.8,129.3)
1359.6 (3.8)	168Er(64.6,4908.8)	1387.0 (2.7)	168Er(64.6,4908.8)
1360.8 (4.0)	160Dy(6087.3,48.9)	1387.2 (2.9)	171Yb(5538.8,5690.9)
1362.0 (3.2)	99Ru(539.7,687.0)	1388.1 (15.9)	170Yb(6614.7,804.7)
1364.3 (6.2)	113Cd(558.5,651.3)	1388.3 (4.2)	natCa(1942.0,6419.9)
1364.9 (2.3)	81Br(29.1,287.7)	1389.5 (11.8)	150Nd(189.1,57.7)
1365.2 (13.8)	248Cm(1408.3,1622.9)	1389.6 (10.5)	85Rb(557.0,488.0)
1365.8 (8.2)	150Nd(189.1,57.7)	1391.2 (2.2)	183W(111.2,903.3)
1365.9 (3.3)	160Dy(6087.3,48.9)	1391.3 (8.0)	234U(637.8,129.3)
1366.4 (4.9)	155Gd(199.2,89.0)	1391.5 (50.0)	46Ti(158.6,1391.5)
1367.0 (2.3)	176Lu(150.4,138.6)	1391.8 (2.1)	168Yb(191.2,720.0)
1367.1 (3.4)	234U(637.8,129.3)	1391.9 (4.2)	160Dy(6087.3,48.9)
1367.8 (3.5)	176Yb(104.5,151.6)	1392.2 (2.5)	167Er(184.3,6677.4)
1368.7 (3.3)	87Sr(1836.0,898.0)	1392.4 (3.0)	93Nb(99.4,255.9)
1369.3 (5.1)	234U(637.8,129.3)	1393.3 (2.3)	168Er(64.6,4908.8)
1369.6 (5.6)	102Ru(174.0,136.1)	1393.9 (2.9)	234U(637.8,129.3)
1370.5 (30.5)	170Yb(6614.7,804.7)	1394.3 (3.4)	160Dy(6087.3,48.9)
1370.6 (5.5)	160Dy(6087.3,48.9)	1396.5 (3.0)	168Er(64.6,4908.8)
1371.2 (4.5)	89Y(6080.5,776.7)	1397.2 (2.9)	234U(637.8,129.3)
1371.9 (9.1)	204Pb(2.3,6729.4)	1398.0 (2.7)	171Yb(5538.8,5690.9)
1372.0 (2.3)	234U(637.8,129.3)	1398.0 (7.4)	186W(59.2,145.8)
1372.9 (2.7)	157Gd(181.9,79.5)	1399.6 (4.6)	113Cd(558.5,651.3)
1373.1 (4.1)	161Dy(185.0,882.3)	1399.9 (6.6)	234U(637.8,129.3)
1373.1 (3.0)	natK(770.3,2073.6)	1400.6 (3.8)	102Ru(174.0,136.1)
1373.3 (2.0)	166Er(207.8,798.8)	1401.5 (2.3)	160Dy(6087.3,48.9)
1373.6 (9.6)	168Yb(191.2,720.0)	1401.7 (5.8)	51V(22.8,125.1)
1374.9 (3.6)	174Hf(125.7,5842.2)	1401.7 (4.9)	55Mn(26.6,7243.8)
1375.3 (2.1)	160Dy(6087.3,48.9)	1403.3 (2.8)	88Sr(1032.0,934.5)
1375.5 (3.4)	146Nd(314.7,78.0)	1403.5(100.0)	120Sn(925.7,942.9)
1376.1 (4.4)	144Nd(852.8,4836.9)	1403.6 (2.5)	135Ba(818.7,1261.8)
1376.5 (18.9)	150Nd(189.1,57.7)	1404.0 (3.2)	160Dy(6087.3,48.9)
1377.4 (2.6)	234U(637.8,129.3)	1405.1 (2.1)	81Br(29.1,287.7)
1377.8 (7.0)	146Nd(314.7,78.0)	1405.2 (23.2)	91Zr(934.5,1405.2)
1378.2 (3.0)	76Se(239.0,520.6)	1405.2 (13.8)	88Sr(1032.0,934.5)
1378.5 (4.4)	174Yb(514.9,5266.7)	1405.6 (5.2)	100Mo(180.7,237.6)
1378.8 (10.0)	70Ge(499.9,174.9)	1406.1 (2.6)	154Sm(4987.1,4876.3)
1378.8 (3.0)	148Nd(165.1,138.4)	1406.4 (3.0)	139La(5097.7,4842.7)
1379.0 (5.4)	130Te(295.9,3346.9)	1406.7 (3.0)	80Se(467.7,6233.0)
1379.5 (2.2)	160Dy(6087.3,48.9)	1407.0 (2.3)	173Yb(176.6,1241.9)
1380.3 (3.2)	168Yb(191.2,720.0)	1407.9 (3.3)	168Er(64.6,4908.8)
1380.6 (12.4)	31P(3900.3,2154.2)	1408.0 (24.6)	184W(4573.6,1181.6)
1381.5 (5.7)	166Er(207.8,798.8)	1408.0 (2.7)	199Hg(367.9,5967.4)
1381.7(100.0)	48Ti(1381.7,6760.1)	1408.3(100.0)	248Cm(1408.3,1622.9)
1382.2 (3.3)	77Se(613.7,694.9)	1408.3 (2.4)	243Am(87.7,75.3)
1382.4 (2.2)	87Sr(1836.0,898.0)	1408.8 (3.9)	27Al(7723.9,2960.0)
1382.5 (11.4)	234U(637.8,129.3)	1410.2 (2.7)	154Sm(4987.1,4876.3)
1383.8 (4.8)	130Te(295.9,3346.9)	1410.6 (7.0)	168Yb(191.2,720.0)
1383.8 (2.5)	142Nd(742.1,563.8)	1410.7 (3.8)	173Yb(176.6,1241.9)
1384.0 (4.3)	150Nd(189.1,57.7)	1411.6 (6.2)	76Se(239.0,520.6)
1384.0 (2.5)	186W(59.2,145.8)	1412.1 (4.5)	183W(111.2,903.3)
1384.0 (4.5)	201Hg(439.5,520.3)	1412.7 (11.9)	168Er(64.6,4908.8)
1384.2 (5.1)	76Se(239.0,520.6)	1412.7 (6.9)	234U(637.8,129.3)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
1413.0(2.0)	137Ba(1435.9,5730.8)	1442.4(2.1)	173Yb(176.6,1241.9)
1413.1(88.0)	31P(3900.3,2154.2)	1445.0(21.3)	137Ba(1435.9,5730.8)
1413.1(7.2)	141Pr(176.9,140.9)	1446.0(2.4)	174Hf(125.7,5842.2)
1414.2(2.6)	139La(5097.7,4842.7)	1446.3(5.3)	57Fe(810.5,863.6)
1414.4(2.8)	168Yb(191.2,720.0)	1446.8(4.5)	198Au(493.8,317.1)
1414.4(6.3)	186W(59.2,145.8)	1447.1(2.3)	122Te(158.9,439.9)
1414.5(2.8)	153Gd(123.1,247.9)	1447.5(11.5)	139La(5097.7,4842.7)
1415.7(2.9)	70Ge(499.9,174.9)	1447.7(3.6)	100Mo(180.7,237.6)
1416.0(3.3)	64Zn(7863.0,751.0)	1448.0(7.4)	186W(59.2,145.8)
1416.7(3.2)	89Y(6080.5,776.7)	1448.3(7.5)	168Yb(191.2,720.0)
1417.7(4.5)	168Yb(191.2,720.0)	1448.5(3.2)	173Yb(176.6,1241.9)
1417.8(2.4)	168Er(64.6,4908.8)	1448.7(3.1)	160Dy(6087.3,48.9)
1418.6(6.6)	139La(5097.7,4842.7)	1449.0(3.7)	234U(637.8,129.3)
1418.8(5.8)	51V(22.8,125.1)	1449.8(5.4)	155Gd(199.2,89.0)
1419.4(2.5)	97Mo(787.4,722.7)	1450.0(9.3)	141Pr(176.9,140.9)
1419.6(4.4)	88Sr(1032.0,934.5)	1450.0(8.6)	150Nd(189.1,57.7)
1419.6(6.1)	93Nb(99.4,255.9)	1450.3(3.2)	144Nd(852.8,4836.9)
1419.7(3.1)	198Au(493.8,317.1)	1450.9(2.0)	234U(637.8,129.3)
1420.0(19.8)	150Nd(189.1,57.7)	1452.0(3.4)	68Zn(1008.0,5474.0)
1420.1(5.0)	138Ba(627.3,4096.1)	1452.0(24.2)	184W(4573.6,1181.6)
1421.4(3.1)	155Gd(199.2,89.0)	1452.1(5.1)	139La(5097.7,4842.7)
1422.1(2.6)	160Dy(6087.3,48.9)	1453.5(2.1)	160Dy(6087.3,48.9)
1422.9(2.3)	234U(637.8,129.3)	1453.9(5.9)	166Er(207.8,798.8)
1423.2(6.7)	168Er(64.6,4908.8)	1454.8(7.6)	193Ir(371.5,112.2)
1425.6(5.4)	234U(637.8,129.3)	1455.4(4.7)	174Hf(125.7,5842.2)
1426.8(100.0)	92Zr(1426.8,5312.2)	1456.0(2.3)	69Ga(508.4,691.0)
1430.0(4.9)	102Ru(174.0,136.1)	1456.2(3.6)	173Yb(176.6,1241.9)
1430.6(2.3)	198Au(493.8,317.1)	1456.6(2.2)	198Au(493.8,317.1)
1431.0(5.2)	183W(111.2,903.3)	1456.9(2.2)	160Dy(6087.3,48.9)
1432.3(7.9)	97Mo(787.4,722.7)	1457.4(2.4)	187Os(155.0,633.1)
1432.5(7.4)	168Yb(191.2,720.0)	1458.3(22.9)	184W(4573.6,1181.6)
1432.8(3.8)	139La(5097.7,4842.7)	1459.6(4.9)	93Nb(99.4,255.9)
1433.2(12.4)	100Mo(180.7,237.6)	1460.6(100.0)	124Sn(187.6,616.4)
1433.3(2.7)	160Dy(6087.3,48.9)	1461.6(2.2)	102Ru(174.0,136.1)
1434.8(11.4)	44Ca(174.3,5515.0)	1461.6(4.6)	234U(637.8,129.3)
1434.9(22.7)	170Yb(6614.7,804.7)	1462.2(2.4)	133Cs(11.2,116.4)
1435.7(2.5)	187Os(155.0,633.1)	1462.3(5.0)	173Yb(176.6,1241.9)
1435.7(17.4)	248Cm(1408.3,1622.9)	1462.8(3.4)	160Dy(6087.3,48.9)
1435.9(100.0)	137Ba(1435.9,5730.8)	1463.9(34.2)	83Kr(881.7,1213.4)
1435.9(2.6)	234U(637.8,129.3)	1464.1(5.7)	150Nd(189.1,57.7)
1436.0(2.1)	123Te(602.4,722.4)	1464.3(5.1)	234U(637.8,129.3)
1436.9(2.2)	150Nd(189.1,57.7)	1464.5(3.0)	160Dy(6087.3,48.9)
1437.0(2.0)	189Os(186.7,558.0)	1465.0(3.0)	147Sm(550.0,630.2)
1437.5(23.6)	47Ti(983.5,1312.1)	1465.1(3.2)	146Nd(314.7,78.0)
1437.6(5.1)	136Ce(434.0,514.2)	1465.8(7.7)	193Ir(371.5,112.2)
1437.6(2.2)	173Yb(176.6,1241.9)	1466.0(100.0)	90Zr(1466.0,1205.0)
1437.7(2.4)	166Er(207.8,798.8)	1467.4(15.5)	141Pr(176.9,140.9)
1437.9(4.4)	157Gd(181.9,79.5)	1467.7(2.1)	160Dy(6087.3,48.9)
1438.3(4.6)	234U(637.8,129.3)	1468.3(2.3)	234U(637.8,129.3)
1438.4(4.2)	160Dy(6087.3,48.9)	1468.9(4.4)	111Cd(617.5,851.2)
1439.4(4.6)	65Cu(186.0,465.2)	1470.0(34.1)	170Yb(6614.7,804.7)
1440.0(5.3)	85Rb(557.0,488.0)	1470.7(2.7)	139La(5097.7,4842.7)
1441.2(3.4)	93Nb(99.4,255.9)	1471.6(7.2)	73Ge(595.8,867.9)
1441.5(2.8)	166Er(207.8,798.8)	1472.3(11.5)	49Ti(1553.8,1121.1)
1441.6(3.1)	130Te(295.9,3346.9)	1473.3(7.2)	88Sr(1032.0,934.5)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
1474.3 (12.6)	54Cr(6246.4,241.9)	1517.4 (3.8)	157Gd(181.9,79.5)
1475.3 (2.6)	160Dy(6087.3,48.9)	1518.0 (2.9)	69Ga(508.4,691.0)
1475.9 (100.0)	86Kr(1475.9,3392.6)	1518.5 (2.8)	168Yb(191.2,720.0)
1476.5 (4.6)	193Ir(371.5,112.2)	1519.6 (2.8)	146Nd(314.7,78.0)
1476.9 (2.4)	139La(5097.7,4842.7)	1520.5 (2.0)	144Nd(852.8,4836.9)
1477.0 (2.1)	154Gd(86.5,105.3)	1521.1 (3.9)	171Yb(5538.8,5690.9)
1477.9 (5.1)	234U(637.8,129.3)	1523.1 (2.7)	160Dy(6087.3,48.9)
1478.0 (5.0)	203Tl(139.9,319.3)	1523.7 (9.0)	150Nd(189.1,57.7)
1478.1 (3.0)	160Dy(6087.3,48.9)	1523.8 (2.6)	166Er(207.8,798.8)
1479.4 (3.0)	natK(770.3,2073.6)	1525.0 (9.3)	46Ti(158.6,1391.5)
1479.8 (6.1)	193Ir(371.5,112.2)	1525.5 (11.3)	144Nd(852.8,4836.9)
1480.1 (6.2)	248Cm(1408.3,1622.9)	1525.7 (41.5)	248Cm(1408.3,1622.9)
1480.1 (7.9)	168Yb(191.2,720.0)	1525.9 (2.9)	27Al(7723.9,2960.0)
1481.1 (2.2)	102Ru(174.0,136.1)	1526.0 (2.5)	173Yb(176.6,1241.9)
1484.5 (2.2)	102Ru(174.0,136.1)	1526.5 (3.4)	146Nd(314.7,78.0)
1484.5 (6.2)	173Yb(176.6,1241.9)	1526.7 (2.8)	201Hg(439.5,520.3)
1485.2 (9.8)	168Yb(191.2,720.0)	1527.3 (5.7)	193Ir(371.5,112.2)
1488.3 (2.8)	123Te(602.4,722.4)	1527.6 (2.4)	136Ce(434.0,514.2)
1488.5 (4.3)	176Yb(104.5,151.6)	1528.3 (3.9)	160Dy(6087.3,48.9)
1489.2 (4.7)	139La(5097.7,4842.7)	1529.5 (2.0)	76Se(239.0,520.6)
1489.3 (2.6)	73Ge(595.8,867.9)	1529.7 (4.3)	173Yb(176.6,1241.9)
1489.6 (3.2)	113Cd(558.5,651.3)	1529.8 (2.7)	160Dy(6087.3,48.9)
1489.8 (2.2)	160Dy(6087.3,48.9)	1530.5 (5.1)	168Yb(191.2,720.0)
1489.9 (2.7)	144Nd(852.8,4836.9)	1531.6 (2.9)	160Dy(6087.3,48.9)
1490.0 (29.8)	160Gd(5280.0,394.7)	1532.8 (6.4)	173Yb(176.6,1241.9)
1491.0 (29.5)	170Yb(6614.7,804.7)	1534.1 (5.5)	104Ru(143.2,159.3)
1491.6 (2.3)	195Pt(355.7,333.0)	1534.4 (3.5)	87Sr(1836.0,898.0)
1492.7 (9.2)	50V(1609.2,1776.6)	1535.1 (3.0)	160Dy(6087.3,48.9)
1493.7 (2.6)	234U(637.8,129.3)	1535.1 (6.7)	136Xe(601.0,3424.6)
1494.1 (3.2)	153Gd(123.1,247.9)	1536.5 (2.3)	135Ba(818.7,1261.8)
1494.2 (2.3)	180Hf(5695.9,5649.7)	1537.2 (2.4)	50Cr(749.0,8512.1)
1495.7 (8.9)	139La(5097.7,4842.7)	1538.1 (8.5)	88Sr(1032.0,934.5)
1495.8 (5.8)	137Ba(1435.9,5730.8)	1538.9 (6.1)	194Ir(300.3,175.2)
1496.2 (2.3)	234U(637.8,129.3)	1540.0 (2.5)	81Br(29.1,287.7)
1496.8 (3.3)	198Au(493.8,317.1)	1540.7 (4.8)	168Yb(191.2,720.0)
1497.1 (9.7)	49Ti(1553.8,1121.1)	1541.2 (3.8)	86Sr(484.8,8039.2)
1497.3 (2.8)	140Ce(662.0,4766.6)	1541.9 (100.0)	124Sn(187.6,616.4)
1497.6 (4.5)	168Yb(191.2,720.0)	1542.5 (3.0)	160Dy(6087.3,48.9)
1497.8 (6.1)	95Mo(778.3,850.0)	1542.7 (2.7)	81Br(29.1,287.7)
1498.7 (5.7)	48Ti(1381.7,6760.1)	1543.3 (2.3)	83Kr(881.7,1213.4)
1500.0 (3.5)	139La(5097.7,4842.7)	1543.5 (2.9)	198Au(493.8,317.1)
1500.8 (2.4)	183W(111.2,903.3)	1543.9 (11.3)	204Pb(2.3,6729.4)
1501.5 (2.3)	160Dy(6087.3,48.9)	1543.9 (4.1)	173Yb(176.6,1241.9)
1503.7 (2.9)	183W(111.2,903.3)	1545.0 (23.8)	74Ge(574.7,253.7)
1504.9 (2.5)	160Dy(6087.3,48.9)	1545.3 (3.2)	81Br(29.1,287.7)
1505.9 (8.3)	168Yb(191.2,720.0)	1545.9 (3.9)	97Mo(787.4,722.7)
1506.6 (6.1)	144Nd(852.8,4836.9)	1546.1 (2.0)	67Zn(1077.3,1883.1)
1507.4 (3.1)	59Co(58.9,229.7)	1546.3 (2.4)	189Os(186.7,558.0)
1509.3 (2.1)	45Sc(227.8,142.5)	1547.1 (2.4)	86Sr(484.8,8039.2)
1509.7 (5.0)	73Ge(595.8,867.9)	1547.4 (4.1)	81Br(29.1,287.7)
1512.3 (3.4)	144Nd(852.8,4836.9)	1548.0 (7.7)	173Yb(176.6,1241.9)
1513.5 (2.2)	142Nd(742.1,563.8)	1549.8 (5.3)	81Br(29.1,287.7)
1515.2 (3.1)	88Sr(1032.0,934.5)	1551.0 (11.9)	135Ba(818.7,1261.8)
1515.8 (11.6)	59Co(58.9,229.7)	1551.5 (2.4)	168Yb(191.2,720.0)
1516.5 (2.8)	160Dy(6087.3,48.9)	1551.9 (6.6)	81Br(29.1,287.7)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
1552.1(5.4)	173Yb(176.6,1241.9)	1600.1(2.4)	70Ge(499.9,174.9)
1552.5(4.8)	148Nd(165.1,138.4)	1600.8(19.2)	natCl(1950.9,6110.9)
1553.3(2.0)	160Dy(6087.3,48.9)	1604.4(7.6)	102Ru(174.0,136.1)
1553.8(100.0)	49Ti(1553.8,1121.1)	1604.8(3.5)	168Yb(191.2,720.0)
1554.6(7.4)	81Br(29.1,287.7)	1605.2(2.0)	155Gd(199.2,89.0)
1555.3(2.1)	79Br(37.1,245.2)	1608.0(4.3)	46Ti(158.6,1391.5)
1555.6(8.6)	142Nd(742.1,563.8)	1608.0(3.4)	176Yb(104.5,151.6)
1555.8(3.5)	150Nd(189.1,57.7)	1609.2(100.0)	50V(1609.2,1776.6)
1556.0(29.0)	46Ti(158.6,1391.5)	1609.7(2.0)	176Yb(104.5,151.6)
1556.8(3.6)	88Sr(1032.0,934.5)	1611.8(2.0)	51V(22.8,125.1)
1557.5(14.6)	173Yb(176.6,1241.9)	1612.8(18.6)	56Fe(7631.2,7645.6)
1558.0(2.5)	138Ba(627.3,4096.1)	1613.7(8.2)	135Ba(818.7,1261.8)
1558.6(2.6)	89Y(6080.5,776.7)	1614.0(3.0)	47Ti(983.5,1312.1)
1558.8(27.9)	51V(22.8,125.1)	1614.1(12.0)	natK(770.3,2073.6)
1559.9(13.7)	65Cu(186.0,465.2)	1614.6(3.7)	168Yb(191.2,720.0)
1561.2(2.6)	160Dy(6087.3,48.9)	1615.0(4.0)	137Ba(1435.9,5730.8)
1563.0(5.0)	168Yb(191.2,720.0)	1615.0(3.2)	182W(6190.0,4249.0)
1564.3(3.6)	102Ru(174.0,136.1)	1617.1(2.9)	180Hf(5695.9,5649.7)
1565.1(3.2)	173Yb(176.6,1241.9)	1617.5(2.6)	73Ge(595.8,867.9)
1565.3(2.8)	natK(770.3,2073.6)	1618.4(5.1)	45Sc(227.8,142.5)
1565.5(2.4)	87Sr(1836.0,898.0)	1618.5(15.9)	natK(770.3,2073.6)
1567.9(2.2)	160Dy(6087.3,48.9)	1619.0(85.0)	94Zr(2294.0,1619.0)
1568.0(3.2)	75Se(559.1,8724.4)	1619.6(6.6)	154Sm(4987.1,4876.3)
1570.4(7.9)	199Hg(367.9,5967.4)	1621.1(2.2)	173Yb(176.6,1241.9)
1571.8(2.3)	89Y(6080.5,776.7)	1622.4(2.2)	51V(22.8,125.1)
1572.2(3.7)	198Au(493.8,317.1)	1622.5(12.2)	27Al(7723.9,2960.0)
1572.2(5.7)	142Ce(4337.8,766.0)	1622.9(82.6)	248Cm(1408.3,1622.9)
1572.6(4.1)	105Pd(511.9,717.4)	1623.2(2.6)	76Se(239.0,520.6)
1575.3(5.1)	45Sc(227.8,142.5)	1623.6(3.0)	168Yb(191.2,720.0)
1575.3(2.4)	104Ru(143.2,159.3)	1624.2(2.0)	122Te(158.9,439.9)
1577.7(14.5)	141Pr(176.9,140.9)	1624.3(3.8)	173Yb(176.6,1241.9)
1578.0(2.5)	64Zn(7863.0,751.0)	1624.8(2.7)	183W(111.2,903.3)
1578.2(2.9)	168Yb(191.2,720.0)	1625.1(4.6)	154Sm(4987.1,4876.3)
1578.6(2.5)	76Se(239.0,520.6)	1625.3(12.2)	168Yb(191.2,720.0)
1578.9(2.2)	123Te(602.4,722.4)	1626.7(3.8)	182W(6190.0,4249.0)
1581.1(2.6)	102Ru(174.0,136.1)	1627.2(4.3)	99Ru(539.7,687.0)
1581.5(4.6)	135Ba(818.7,1261.8)	1627.3(3.0)	136Ce(434.0,514.2)
1582.5(3.9)	65Cu(186.0,465.2)	1628.3(3.5)	182W(6190.0,4249.0)
1583.6(3.5)	168Yb(191.2,720.0)	1629.4(3.4)	183W(111.2,903.3)
1585.5(2.4)	183W(111.2,903.3)	1629.9(17.6)	31P(3900.3,2154.2)
1585.9(11.9)	48Ti(1381.7,6760.1)	1631.6(2.4)	73Ge(595.8,867.9)
1586.1(4.1)	160Dy(6087.3,48.9)	1632.0(10.9)	70Ge(499.9,174.9)
1588.0(2.8)	176Yb(104.5,151.6)	1632.8(11.3)	natMg(3916.7,2828.1)
1590.0(3.6)	27Al(7723.9,2960.0)	1632.9(9.5)	173Yb(176.6,1241.9)
1590.5(29.2)	248Cm(1408.3,1622.9)	1633.3(5.5)	176Yb(104.5,151.6)
1592.0(3.8)	64Zn(7863.0,751.0)	1633.4(2.6)	183W(111.2,903.3)
1592.8(2.2)	153Gd(123.1,247.9)	1633.9(2.7)	65Cu(186.0,465.2)
1594.5(5.3)	168Yb(191.2,720.0)	1634.0(2.2)	51V(22.8,125.1)
1594.7(2.5)	182W(6190.0,4249.0)	1634.2(8.0)	173Yb(176.6,1241.9)
1595.0(10.2)	68Zn(1008.0,5474.0)	1634.4(12.5)	23Na(472.4,6395.4)
1596.3(3.5)	148Nd(165.1,138.4)	1635.5(2.2)	73Ge(595.8,867.9)
1596.3(2.3)	75Se(559.1,8724.4)	1637.2(6.5)	168Yb(191.2,720.0)
1596.4(2.1)	209Bi(319.7,162.2)	1637.5(5.8)	65Cu(186.0,465.2)
1598.4(5.1)	173Yb(176.6,1241.9)	1638.0(2.6)	54Fe(9297.8,412.0)
1599.8(2.6)	171Yb(5538.8,5690.9)	1639.8(2.3)	natCl(1950.9,6110.9)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
1641.1 (2.6)	89Y(6080.5,776.7)	1698.8 (2.6)	88Sr(1032.0,934.5)
1641.5 (25.8)	92Zr(1426.8,5312.2)	1699.6 (5.4)	102Ru(174.0,136.1)
1643.5 (3.9)	130Te(295.9,3346.9)	1702.4 (4.3)	160Dy(6087.3,48.9)
1644.0 (5.4)	174Hf(125.7,5842.2)	1702.8 (3.9)	141Pr(176.9,140.9)
1646.8 (2.6)	144Nd(852.8,4836.9)	1703.7 (2.6)	natCa(1942.0,6419.9)
1648.0 (2.4)	natCl(1950.9,6110.9)	1704.3 (3.7)	natK(770.3,2073.6)
1649.2 (2.7)	natCa(1942.0,6419.9)	1705.4 (7.7)	55Mn(26.6,7243.8)
1649.5 (4.4)	168Yb(191.2,720.0)	1706.6 (2.9)	144Nd(852.8,4836.9)
1650.0 (26.3)	92Zr(1426.8,5312.2)	1706.6 (2.5)	87Sr(1836.0,898.0)
1650.4 (4.8)	81Br(29.1,287.7)	1708.5 (2.3)	166Er(207.8,798.8)
1652.4 (2.2)	153Gd(123.1,247.9)	1709.1 (5.8)	173Yb(176.6,1241.9)
1653.0 (38.0)	120Sn(925.7,942.9)	1710.9 (6.2)	173Yb(176.6,1241.9)
1655.8 (2.1)	204Pb(2.3,6729.4)	1712.1 (3.1)	83Kr(881.7,1213.4)
1657.3 (7.2)	173Yb(176.6,1241.9)	1713.2 (3.6)	135Ba(818.7,1261.8)
1658.7 (3.0)	27Al(7723.9,2960.0)	1713.6 (9.0)	77Se(613.7,694.9)
1659.8 (4.8)	168Yb(191.2,720.0)	1714.0 (7.3)	natMg(3916.7,2828.1)
1660.4 (3.8)	113Cd(558.5,651.3)	1716.5 (4.3)	102Ru(174.0,136.1)
1660.9 (2.5)	144Nd(852.8,4836.9)	1716.7 (2.4)	180Hf(5695.9,5649.7)
1663.7 (2.1)	157Gd(181.9,79.5)	1717.3 (7.1)	160Dy(6087.3,48.9)
1664.2 (4.5)	51V(22.8,125.1)	1717.8 (7.4)	87Sr(1836.0,898.0)
1665.7 (4.0)	160Dy(6087.3,48.9)	1719.8 (3.6)	122Te(158.9,439.9)
1666.8 (2.7)	135Ba(818.7,1261.8)	1720.1 (2.3)	123Te(602.4,722.4)
1667.8 (2.1)	81Br(29.1,287.7)	1721.5 (3.6)	77Se(613.7,694.9)
1667.9 (10.5)	85Rb(557.0,488.0)	1721.6 (3.2)	86Sr(484.8,8039.2)
1671.7 (3.7)	natCa(1942.0,6419.9)	1722.0 (4.1)	201Hg(439.5,520.3)
1671.8 (19.0)	144Nd(852.8,4836.9)	1722.5 (5.4)	160Dy(6087.3,48.9)
1672.2 (3.9)	180Hf(5695.9,5649.7)	1723.2 (11.0)	194Ir(300.3,175.2)
1672.5 (2.6)	189Os(186.7,558.0)	1724.0 (4.0)	natCa(1942.0,6419.9)
1673.3 (7.3)	67Zn(1077.3,1883.1)	1724.9 (3.1)	130Te(295.9,3346.9)
1674.1 (22.2)	31P(3900.3,2154.2)	1725.0 (2.0)	69Ga(508.4,691.0)
1674.2 (26.7)	57Fe(810.5,863.6)	1725.3 (21.7)	56Fe(7631.2,7645.6)
1674.8 (7.1)	173Yb(176.6,1241.9)	1725.4 (13.4)	80Se(467.7,6233.0)
1675.8 (4.1)	natCl(1950.9,6110.9)	1725.7 (57.1)	44Ca(174.3,5515.0)
1676.0 (6.0)	168Yb(191.2,720.0)	1729.2 (3.6)	160Dy(6087.3,48.9)
1677.4 (10.6)	144Nd(852.8,4836.9)	1730.3 (8.6)	102Ru(174.0,136.1)
1678.3 (24.8)	natN(5269.2,1884.8)	1732.0 (4.2)	102Ru(174.0,136.1)
1678.5 (3.6)	148Nd(165.1,138.4)	1734.2 (24.4)	31P(3900.3,2154.2)
1680.1 (42.1)	63Ni(1345.8,9656.9)	1735.3 (2.1)	183W(111.2,903.3)
1680.6 (3.0)	189Os(186.7,558.0)	1736.1 (4.7)	182W(6190.0,4249.0)
1681.1 (2.8)	173Yb(176.6,1241.9)	1738.3 (3.8)	176Yb(104.5,151.6)
1681.4 (5.4)	natN(5269.2,1884.8)	1741.7 (2.1)	83Kr(881.7,1213.4)
1682.2 (5.5)	155Gd(199.2,89.0)	1743.2 (2.9)	70Ge(499.9,174.9)
1683.8 (9.8)	141Pr(176.9,140.9)	1743.4 (5.7)	65Cu(186.0,465.2)
1686.7 (2.3)	201Hg(439.5,520.3)	1743.6 (2.6)	144Nd(852.8,4836.9)
1688.2 (14.8)	31P(3900.3,2154.2)	1743.8 (5.2)	168Yb(191.2,720.0)
1688.7 (2.5)	144Nd(852.8,4836.9)	1744.2 (4.1)	67Zn(1077.3,1883.1)
1689.2 (3.3)	168Yb(191.2,720.0)	1746.2 (2.6)	65Cu(186.0,465.2)
1689.3 (2.2)	173Yb(176.6,1241.9)	1747.0 (18.4)	55Mn(26.6,7243.8)
1690.1 (16.0)	natMg(3916.7,2828.1)	1748.7 (3.4)	140Ce(662.0,4766.6)
1691.3 (2.7)	natCa(1942.0,6419.9)	1748.9 (3.5)	23Na(472.4,6395.4)
1691.4 (46.3)	110Pd(4902.5,3488.0)	1750.0 (6.2)	natMg(3916.7,2828.1)
1691.4 (2.3)	136Ce(434.0,514.2)	1753.9 (2.6)	45Sc(227.8,142.5)
1693.1 (14.0)	199Hg(367.9,5967.4)	1755.2 (8.9)	176Yb(104.5,151.6)
1693.3 (8.4)	45Sc(227.8,142.5)	1757.6 (5.9)	natSi(3539.1,4934.4)
1693.9 (4.5)	51V(22.8,125.1)	1759.6 (7.6)	122Te(158.9,439.9)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
1759.9 (2.8)	144Nd(852.8,4836.9)	1815.1 (3.8)	89Y(6080.5,776.7)
1760.1 (9.8)	31P(3900.3,2154.2)	1816.6 (100.0)	120Sn(925.7,942.9)
1762.0 (6.3)	48Ti(1381.7,6760.1)	1816.9 (2.0)	144Nd(852.8,4836.9)
1764.4 (4.4)	natSi(3539.1,4934.4)	1818.4 (9.7)	46Ti(158.6,1391.5)
1765.2 (4.7)	86Sr(484.8,8039.2)	1820.2 (2.3)	65Cu(186.0,465.2)
1765.6 (2.3)	183W(111.2,903.3)	1821.6 (2.0)	144Nd(852.8,4836.9)
1765.9 (2.2)	176Yb(104.5,151.6)	1821.6 (2.7)	natNe(2035.4,350.3)
1770.5 (15.5)	86Sr(484.8,8039.2)	1821.9 (2.7)	135Ba(818.7,1261.8)
1772.6 (18.9)	78Se(6866.8,5873.8)	1825.8 (2.9)	natCa(1942.0,6419.9)
1772.7 (4.5)	46Ca(2013.6,5262.1)	1826.0 (7.9)	64Zn(7863.0,751.0)
1774.0 (6.3)	146Nd(314.7,78.0)	1826.3 (2.3)	155Gd(199.2,89.0)
1774.3 (2.2)	173Yb(176.6,1241.9)	1826.7 (23.2)	92Zr(1426.8,5312.2)
1774.7 (2.3)	97Mo(787.4,722.7)	1828.3 (3.0)	natCl(1950.9,6110.9)
1775.0 (5.9)	natSi(3539.1,4934.4)	1829.7 (3.0)	45Sc(227.8,142.5)
1775.4 (3.4)	51V(22.8,125.1)	1830.0 (6.0)	68Zn(1008.0,5474.0)
1776.6 (39.2)	50V(1609.2,1776.6)	1830.8 (11.5)	59Co(58.9,229.7)
1777.8 (2.4)	70Ge(499.9,174.9)	1831.8 (3.8)	81Br(29.1,287.7)
1777.9 (13.8)	51V(22.8,125.1)	1832.4 (3.0)	65Cu(186.0,465.2)
1778.6 (4.0)	137Ba(1435.9,5730.8)	1834.6 (2.5)	183W(111.2,903.3)
1781.8 (2.4)	natN(5269.2,1884.8)	1836.0 (100.0)	87Sr(1836.0,898.0)
1782.3 (4.2)	173Yb(176.6,1241.9)	1838.9 (4.0)	102Ru(174.0,136.1)
1782.5 (4.1)	146Nd(314.7,78.0)	1839.8 (21.0)	86Kr(1475.9,3392.6)
1784.6 (2.8)	173Yb(176.6,1241.9)	1840.3 (3.3)	natCl(1950.9,6110.9)
1784.7 (12.5)	53Cr(834.8,8884.2)	1840.4 (2.6)	201Hg(439.5,520.3)
1784.8 (2.1)	80Se(467.7,6233.0)	1840.9 (7.0)	146Nd(314.7,78.0)
1786.1 (3.2)	183W(111.2,903.3)	1841.5 (3.0)	136Xe(601.0,3424.6)
1786.3 (2.7)	natCl(1950.9,6110.9)	1843.0 (2.7)	135Ba(818.7,1261.8)
1787.8 (2.3)	75Se(559.1,8724.4)	1843.4 (6.3)	180Hf(5695.9,5649.7)
1788.2 (2.0)	146Nd(314.7,78.0)	1845.9 (2.8)	144Nd(852.8,4836.9)
1793.4 (10.7)	46Ti(158.6,1391.5)	1847.3 (4.6)	91Zr(934.5,1405.2)
1793.5 (3.0)	48Ti(1381.7,6760.1)	1847.4 (2.3)	88Sr(1032.0,934.5)
1795.0 (3.1)	natK(770.3,2073.6)	1847.6 (3.2)	146Nd(314.7,78.0)
1796.6 (10.0)	141Pr(176.9,140.9)	1847.9 (2.7)	76Se(239.0,520.6)
1797.7 (4.3)	180Hf(5695.9,5649.7)	1848.4 (2.1)	183W(111.2,903.3)
1799.1 (3.6)	87Sr(1836.0,898.0)	1848.6 (3.2)	180Hf(5695.9,5649.7)
1799.1 (2.3)	148Nd(165.1,138.4)	1851.1 (2.2)	146Nd(314.7,78.0)
1800.1 (3.0)	136Ce(434.0,514.2)	1852.3 (50.0)	120Sn(925.7,942.9)
1801.1 (4.4)	131Xe(667.5,667.8)	1852.4 (2.9)	142Nd(742.1,563.8)
1801.3 (2.9)	50V(1609.2,1776.6)	1852.7 (2.9)	59Co(58.9,229.7)
1802.1 (2.1)	187Os(155.0,633.1)	1853.0 (3.2)	75Se(559.1,8724.4)
1802.3 (2.6)	195Pt(355.7,333.0)	1853.6 (2.3)	natN(5269.2,1884.8)
1803.2 (7.1)	176Yb(104.5,151.6)	1854.0 (3.0)	138Ba(627.3,4096.1)
1805.2 (2.3)	180Hf(5695.9,5649.7)	1856.1 (4.2)	146Nd(314.7,78.0)
1807.5 (2.9)	173Yb(176.6,1241.9)	1856.7 (3.3)	88Sr(1032.0,934.5)
1807.6 (2.3)	88Sr(1032.0,934.5)	1857.0 (2.9)	157Gd(181.9,79.5)
1807.8 (2.5)	122Te(158.9,439.9)	1857.4 (6.3)	45Sc(227.8,142.5)
1808.9 (61.6)	natMg(3916.7,2828.1)	1857.8 (2.4)	173Yb(176.6,1241.9)
1810.6 (6.4)	176Yb(104.5,151.6)	1858.6 (4.6)	130Te(295.9,3346.9)
1810.6 (9.5)	88Sr(1032.0,934.5)	1859.6 (2.3)	102Ru(174.0,136.1)
1812.0 (8.5)	68Zn(1008.0,5474.0)	1862.5 (2.4)	57Fe(810.5,863.6)
1812.0 (13.3)	204Pb(2.3,6729.4)	1864.3 (3.0)	122Te(158.9,439.9)
1812.3 (3.4)	144Nd(852.8,4836.9)	1864.8 (2.7)	81Br(29.1,287.7)
1812.3 (5.5)	86Sr(484.8,8039.2)	1866.7 (2.3)	65Cu(186.0,465.2)
1813.3 (31.3)	50V(1609.2,1776.6)	1869.7 (3.7)	183W(111.2,903.3)
1814.9 (4.4)	45Sc(227.8,142.5)	1869.9 (3.5)	173Yb(176.6,1241.9)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
1870.1(2.9)	45Sc(227.8,142.5)	1940.2(10.8)	88Sr(1032.0,934.5)
1872.2(2.8)	76Se(239.0,520.6)	1940.5(6.0)	73Ge(595.8,867.9)
1876.2(5.2)	55Mn(26.6,7243.8)	1941.0(2.9)	70Ge(499.9,174.9)
1877.3(2.2)	183W(111.2,903.3)	1941.9(33.2)	31P(3900.3,2154.2)
1880.0(25.7)	90Zr(1466.0,1205.0)	1942.0(100.0)	natCa(1942.0,6419.9)
1880.1(2.2)	102Ru(174.0,136.1)	1942.5(9.2)	146Nd(314.7,78.0)
1882.1(4.5)	173Yb(176.6,1241.9)	1943.3(2.9)	141Pr(176.9,140.9)
1883.1(18.7)	67Zn(1077.3,1883.1)	1943.4(2.6)	157Gd(181.9,79.5)
1884.8(4.9)	148Nd(165.1,138.4)	1945.3(5.7)	183W(111.2,903.3)
1884.8(72.7)	natN(5269.2,1884.8)	1949.0(3.3)	23Na(472.4,6395.4)
1886.2(2.2)	61Ni(1172.8,875.6)	1949.6(4.8)	183W(111.2,903.3)
1886.4(2.4)	173Yb(176.6,1241.9)	1949.9(3.4)	142Ce(4337.8,766.0)
1886.9(3.5)	136Ce(434.0,514.2)	1950.1(3.4)	58Ni(8998.4,8533.4)
1887.6(2.5)	131Xe(667.5,667.8)	1950.8(3.6)	154Sm(4987.1,4876.3)
1888.2(3.1)	157Gd(181.9,79.5)	1950.9(100.0)	natCl(1950.9,6110.9)
1889.3(20.0)	85Rb(557.0,488.0)	1951.5(3.0)	148Nd(165.1,138.4)
1889.6(3.8)	23Na(472.4,6395.4)	1952.3(3.0)	138Ba(627.3,4096.1)
1889.8(4.6)	102Ru(174.0,136.1)	1952.9(5.8)	51V(22.8,125.1)
1889.8(6.0)	141Pr(176.9,140.9)	1955.9(4.1)	157Gd(181.9,79.5)
1890.0(37.9)	31P(3900.3,2154.2)	1956.7(4.4)	natK(770.3,2073.6)
1890.2(17.8)	natMg(3916.7,2828.1)	1958.1(2.1)	148Nd(165.1,138.4)
1895.4(2.2)	136Ce(434.0,514.2)	1958.8(2.4)	154Sm(4987.1,4876.3)
1895.7(3.3)	144Nd(852.8,4836.9)	1959.1(67.3)	natCl(1950.9,6110.9)
1895.7(2.5)	183W(111.2,903.3)	1959.5(5.1)	102Ru(174.0,136.1)
1896.9(4.0)	natCl(1950.9,6110.9)	1960.1(3.1)	51V(22.8,125.1)
1897.5(100.0)	136Ba(1897.5,4720.0)	1963.4(2.1)	76Se(239.0,520.6)
1897.5(2.5)	natNe(2035.4,350.3)	1965.2(4.0)	155Gd(199.2,89.0)
1897.8(10.8)	83Kr(881.7,1213.4)	1965.3(4.7)	70Ge(499.9,174.9)
1899.3(15.4)	50Cr(749.0,8512.1)	1968.6(4.7)	144Nd(852.8,4836.9)
1899.9(29.0)	120Sn(925.7,942.9)	1970.9(2.3)	157Gd(181.9,79.5)
1900.0(15.3)	44Ca(174.3,5515.0)	1971.0(11.1)	57Fe(810.5,863.6)
1900.7(3.3)	153Gd(123.1,247.9)	1977.1(10.0)	86Sr(484.8,8039.2)
1900.8(4.6)	45Sc(227.8,142.5)	1977.9(2.2)	122Te(158.9,439.9)
1902.8(2.2)	183W(111.2,903.3)	1978.6(2.6)	195Pt(355.7,333.0)
1909.3(2.0)	204Pb(2.3,6729.4)	1979.3(5.2)	83Kr(881.7,1213.4)
1910.5(2.3)	104Ru(143.2,159.3)	1979.5(12.5)	natNe(2035.4,350.3)
1910.8(4.0)	142Nd(742.1,563.8)	1979.7(2.7)	173Yb(176.6,1241.9)
1913.6(3.6)	88Sr(1032.0,934.5)	1982.4(3.8)	natMg(3916.7,2828.1)
1915.2(13.9)	55Mn(26.6,7243.8)	1983.7(2.8)	23Na(472.4,6395.4)
1916.0(2.9)	86Sr(484.8,8039.2)	1983.8(2.6)	27Al(7723.9,2960.0)
1916.2(18.4)	92Zr(1426.8,5312.2)	1984.1(2.8)	173Yb(176.6,1241.9)
1918.0(3.2)	54Fe(9297.8,412.0)	1984.5(2.5)	natCl(1950.9,6110.9)
1918.7(9.6)	58Fe(287.0,6293.6)	1985.1(5.4)	61Ni(1172.8,875.6)
1919.0(4.5)	173Yb(176.6,1241.9)	1986.6(2.1)	183W(111.2,903.3)
1919.9(2.9)	86Sr(484.8,8039.2)	1987.6(15.2)	55Mn(26.6,7243.8)
1923.2(2.9)	77Se(613.7,694.9)	1987.8(3.5)	146Nd(314.7,78.0)
1927.2(2.9)	27Al(7723.9,2960.0)	1988.0(2.1)	88Sr(1032.0,934.5)
1928.2(2.4)	154Sm(4987.1,4876.3)	1988.8(2.6)	91Zr(934.5,1405.2)
1929.3(5.4)	natK(770.3,2073.6)	1988.9(3.5)	natN(5269.2,1884.8)
1930.5(24.2)	natNe(2035.4,350.3)	1994.6(3.7)	53Cr(834.8,8884.2)
1933.6(3.7)	122Te(158.9,439.9)	1995.3(5.3)	183W(111.2,903.3)
1933.7(2.5)	173Yb(176.6,1241.9)	1995.4(4.1)	86Sr(484.8,8039.2)
1936.8(2.2)	natCl(1950.9,6110.9)	1995.9(5.3)	77Se(613.7,694.9)
1937.8(2.0)	102Ru(174.0,136.1)	1998.2(2.2)	173Yb(176.6,1241.9)
1938.3(2.8)	148Nd(165.1,138.4)	1999.0(10.5)	122Te(158.9,439.9)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
1999.7 (14.0)	natN(5269.2,1884.8)	2036.9 (2.5)	173Yb(176.6,1241.9)
1999.8 (6.8)	31P(3900.3,2154.2)	2037.9 (2.4)	natCl(1950.9,6110.9)
2000.0 (10.0)	46Ti(158.6,1391.5)	2039.6 (4.2)	104Ru(143.2,159.3)
2000.8 (13.7)	natCa(1942.0,6419.9)	2040.4 (2.4)	136Ce(434.0,514.2)
2001.1 (2.6)	50Cr(749.0,8512.1)	2040.4 (6.9)	natK(770.3,2073.6)
2001.2 (2.7)	146Nd(314.7,78.0)	2041.0 (52.7)	90Zr(1466.0,1205.0)
2001.8 (4.0)	natN(5269.2,1884.8)	2041.0 (2.3)	146Nd(314.7,78.0)
2002.0 (3.4)	51V(22.8,125.1)	2043.4 (8.6)	natMg(3916.7,2828.1)
2002.1 (6.5)	199Hg(367.9,5967.4)	2044.2 (10.2)	46Ca(2013.6,5262.1)
2003.3 (2.0)	natCl(1950.9,6110.9)	2044.6 (3.0)	173Yb(176.6,1241.9)
2003.9 (2.2)	173Yb(176.6,1241.9)	2044.7 (11.7)	55Mn(26.6,7243.8)
2004.1 (3.3)	81Br(29.1,287.7)	2047.0 (7.1)	natK(770.3,2073.6)
2004.4 (2.5)	176Yb(104.5,151.6)	2047.7 (3.3)	130Te(295.9,3346.9)
2004.7 (17.9)	50V(1609.2,1776.6)	2048.4 (8.0)	natMg(3916.7,2828.1)
2005.2 (5.3)	45Sc(227.8,142.5)	2051.0 (2.3)	51V(22.8,125.1)
2005.2 (10.0)	86Kr(1475.9,3392.6)	2052.0 (3.0)	54Fe(9297.8,412.0)
2007.6 (14.1)	88Sr(1032.0,934.5)	2056.3 (4.5)	183W(111.2,903.3)
2007.6 (3.8)	natK(770.3,2073.6)	2056.4 (6.3)	176Yb(104.5,151.6)
2009.2 (10.3)	natCa(1942.0,6419.9)	2057.0 (2.1)	23Na(472.4,6395.4)
2013.6 (100.0)	46Ca(2013.6,5262.1)	2060.4 (3.4)	136Ce(434.0,514.2)
2014.6 (2.5)	157Gd(181.9,79.5)	2062.3 (12.5)	natN(5269.2,1884.8)
2015.3 (5.2)	183W(111.2,903.3)	2062.9 (25.0)	86Kr(1475.9,3392.6)
2016.5 (18.7)	55Mn(26.6,7243.8)	2063.2 (7.8)	55Mn(26.6,7243.8)
2017.4 (3.0)	97Mo(787.4,722.7)	2065.5 (9.5)	57Fe(810.5,863.6)
2017.9 (4.8)	natK(770.3,2073.6)	2067.8 (2.5)	173Yb(176.6,1241.9)
2017.9 (2.5)	155Gd(199.2,89.0)	2068.0 (2.0)	71Ga(145.1,192.0)
2018.8 (3.2)	142Ce(4337.8,766.0)	2069.2 (3.1)	natK(770.3,2073.6)
2018.9 (3.4)	176Yb(104.5,151.6)	2073.6 (20.9)	natK(770.3,2073.6)
2020.8 (2.1)	51V(22.8,125.1)	2073.7 (2.3)	73Ge(595.8,867.9)
2021.1 (4.4)	122Te(158.9,439.9)	2075.1 (10.3)	44Ca(174.3,5515.0)
2021.8 (2.1)	natCl(1950.9,6110.9)	2075.2 (4.0)	natCl(1950.9,6110.9)
2021.8 (10.3)	31P(3900.3,2154.2)	2075.6 (2.6)	102Ru(174.0,136.1)
2023.1 (12.3)	88Sr(1032.0,934.5)	2077.6 (2.7)	natCa(1942.0,6419.9)
2023.2 (33.3)	48Ca(5146.6,2023.2)	2079.2 (2.8)	176Yb(104.5,151.6)
2023.6 (3.9)	137Ba(1435.9,5730.8)	2080.0 (3.5)	135Ba(818.7,1261.8)
2023.9 (6.2)	55Mn(26.6,7243.8)	2080.2 (2.1)	182W(6190.0,4249.0)
2024.8 (7.9)	173Yb(176.6,1241.9)	2083.3 (2.8)	173Yb(176.6,1241.9)
2026.0 (17.9)	86Sr(484.8,8039.2)	2083.6 (3.2)	51V(22.8,125.1)
2027.2 (28.6)	23Na(472.4,6395.4)	2084.2 (5.3)	61Ni(1172.8,875.6)
2027.8 (2.7)	102Ru(174.0,136.1)	2085.9 (6.0)	173Yb(176.6,1241.9)
2029.8 (3.3)	natSi(3539.1,4934.4)	2086.0 (3.6)	64Zn(7863.0,751.0)
2029.9 (3.4)	88Sr(1032.0,934.5)	2088.6 (2.1)	104Ru(143.2,159.3)
2030.4 (5.2)	81Br(29.1,287.7)	2088.9 (5.3)	136Xe(601.0,3424.6)
2030.8 (2.5)	146Nd(314.7,78.0)	2089.0 (3.6)	50V(1609.2,1776.6)
2031.8 (2.2)	102Ru(174.0,136.1)	2090.4 (5.2)	55Mn(26.6,7243.8)
2032.5 (100.0)	natLi(2032.5,980.7)	2092.0 (2.3)	47Ti(983.5,1312.1)
2032.9 (2.5)	59Co(58.9,229.7)	2092.2 (2.1)	natCl(1950.9,6110.9)
2033.0 (6.6)	70Ge(499.9,174.9)	2092.4 (2.3)	104Ru(143.2,159.3)
2034.1 (8.3)	31P(3900.3,2154.2)	2092.9 (31.6)	natSi(3539.1,4934.4)
2034.4 (2.5)	natCl(1950.9,6110.9)	2094.2 (3.1)	natCa(1942.0,6419.9)
2034.5 (83.0)	124Sn(187.6,616.4)	2095.5 (2.0)	180Hf(5695.9,5649.7)
2034.9 (2.6)	76Se(239.0,520.6)	2095.6 (6.2)	173Yb(176.6,1241.9)
2035.0 (5.3)	183W(111.2,903.3)	2096.1 (5.0)	146Nd(314.7,78.0)
2035.4 (100.0)	natNe(2035.4,350.3)	2097.3 (9.5)	61Ni(1172.8,875.6)
2036.3 (6.6)	47Ti(983.5,1312.1)	2097.6 (2.6)	183W(111.2,903.3)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
2100.6(2.4)	102Ru(174.0,136.1)	2158.4(2.5)	146Nd(314.7,78.0)
2100.8(2.5)	51V(22.8,125.1)	2160.2(3.9)	58Fe(287.0,6293.6)
2103.7(56.0)	120Sn(925.7,942.9)	2160.5(2.8)	83Kr(881.7,1213.4)
2104.0(4.7)	170Er(197.9,904.0)	2161.8(7.9)	47Ti(983.5,1312.1)
2104.9(2.2)	176Yb(104.5,151.6)	2162.1(3.8)	104Ru(143.2,159.3)
2105.1(2.1)	91Zr(934.5,1405.2)	2162.3(2.5)	80Se(467.7,6233.0)
2105.8(2.1)	88Sr(1032.0,934.5)	2163.1(3.4)	173Yb(176.6,1241.9)
2106.3(2.1)	45Sc(227.8,142.5)	2163.7(17.0)	120Sn(925.7,942.9)
2106.5(3.5)	natCl(1950.9,6110.9)	2170.5(5.8)	173Yb(176.6,1241.9)
2106.8(2.0)	67Zn(1077.3,1883.1)	2171.0(3.2)	81Br(29.1,287.7)
2108.3(6.6)	27Al(7723.9,2960.0)	2172.6(16.2)	31P(3900.3,2154.2)
2110.0(3.2)	75Se(559.1,8724.4)	2174.7(8.8)	natN(5269.2,1884.8)
2110.0(2.1)	183W(111.2,903.3)	2176.6(6.0)	55Mn(26.6,7243.8)
2111.4(2.6)	87Sr(1836.0,898.0)	2179.4(2.2)	182W(6190.0,4249.0)
2112.3(11.3)	115Sn(1293.6,972.6)	2180.1(2.3)	136Ba(1897.5,4720.0)
2112.8(4.5)	173Yb(176.6,1241.9)	2180.3(2.3)	157Gd(181.9,79.5)
2113.1(3.4)	88Sr(1032.0,934.5)	2180.4(2.7)	102Ru(174.0,136.1)
2113.6(100.0)	120Sn(925.7,942.9)	2180.7(10.8)	136Ce(434.0,514.2)
2114.1(3.1)	45Sc(227.8,142.5)	2183.1(2.7)	55Mn(26.6,7243.8)
2114.3(43.5)	31P(3900.3,2154.2)	2183.6(4.8)	183W(111.2,903.3)
2117.0(2.1)	204Pb(2.3,6729.4)	2183.9(12.0)	136Xe(601.0,3424.6)
2118.4(3.2)	natCa(1942.0,6419.9)	2184.5(82.0)	natO(870.9,1087.9)
2120.0(4.1)	52Cr(7938.6,564.0)	2187.0(2.5)	153Gd(123.1,247.9)
2122.4(29.0)	86Kr(1475.9,3392.6)	2193.0(13.8)	86Sr(484.8,8039.2)
2122.5(2.9)	55Mn(26.6,7243.8)	2194.7(18.6)	170Yb(6614.7,804.7)
2122.5(2.4)	146Nd(314.7,78.0)	2197.7(3.7)	23Na(472.4,6395.4)
2123.4(3.1)	176Yb(104.5,151.6)	2198.9(41.5)	50Ti(1166.6,5206.1)
2123.8(3.9)	23Na(472.4,6395.4)	2201.5(2.4)	176Yb(104.5,151.6)
2123.9(9.6)	60Ni(7819.6,7820.3)	2203.0(3.0)	87Sr(1836.0,898.0)
2124.4(2.0)	173Yb(176.6,1241.9)	2203.6(8.9)	natNe(2035.4,350.3)
2127.7(2.1)	155Gd(199.2,89.0)	2204.1(11.0)	144Nd(852.8,4836.9)
2128.5(4.0)	50V(1609.2,1776.6)	2204.8(2.7)	102Ru(174.0,136.1)
2128.9(5.5)	135Ba(818.7,1261.8)	2205.3(5.2)	55Mn(26.6,7243.8)
2129.5(2.3)	56Fe(7631.2,7645.6)	2205.5(2.1)	natK(770.3,2073.6)
2129.8(4.8)	natCa(1942.0,6419.9)	2205.7(10.2)	49Ti(1553.8,1121.1)
2130.0(3.7)	85Rb(557.0,488.0)	2209.5(4.3)	146Nd(314.7,78.0)
2130.7(5.5)	natAr(167.3,4745.0)	2209.8(4.9)	67Zn(1077.3,1883.1)
2133.2(5.9)	88Sr(1032.0,934.5)	2211.3(9.0)	55Mn(26.6,7243.8)
2135.2(5.9)	146Nd(314.7,78.0)	2211.6(2.0)	155Gd(199.2,89.0)
2137.5(2.2)	23Na(472.4,6395.4)	2212.0(5.0)	64Zn(7863.0,751.0)
2138.5(2.1)	55Mn(26.6,7243.8)	2215.6(8.0)	130Te(295.9,3346.9)
2139.0(6.4)	27Al(7723.9,2960.0)	2215.9(4.0)	65Cu(186.0,465.2)
2140.9(2.5)	180Hf(5695.9,5649.7)	2217.7(20.1)	137Ba(1435.9,5730.8)
2142.7(2.4)	76Se(239.0,520.6)	2221.5(17.0)	124Sn(187.6,616.4)
2145.8(13.8)	51V(22.8,125.1)	2223.0(5.7)	70Ge(499.9,174.9)
2145.8(3.1)	86Sr(484.8,8039.2)	2223.3(100.0)	natH(2223.3)
2147.3(2.8)	55Mn(26.6,7243.8)	2223.8(12.0)	102Ru(174.0,136.1)
2149.4(2.2)	natCa(1942.0,6419.9)	2225.4(3.7)	115Sn(1293.6,972.6)
2149.7(3.7)	85Rb(557.0,488.0)	2235.2(2.4)	natSi(3539.1,4934.4)
2152.4(2.1)	96Mo(481.0,720.5)	2239.1(13.9)	53Cr(834.8,8884.2)
2153.4(2.1)	natK(770.3,2073.6)	2239.6(3.0)	130Te(295.9,3346.9)
2154.2(95.4)	31P(3900.3,2154.2)	2240.4(7.5)	47Ti(983.5,1312.1)
2156.0(2.3)	natCl(1950.9,6110.9)	2240.7(11.1)	27Al(7723.9,2960.0)
2156.4(4.6)	104Ru(143.2,159.3)	2241.0(74.6)	110Pd(4902.5,3488.0)
2157.4(12.2)	natN(5269.2,1884.8)	2242.0(5.0)	138Ba(627.3,4096.1)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
2242.8 (83.0)	120Sn(925.7,942.9)	2315.5 (2.0)	102Ru(174.0,136.1)
2243.1 (2.5)	45Sc(227.8,142.5)	2319.4 (2.1)	136Ce(434.0,514.2)
2244.5 (3.1)	173Yb(176.6,1241.9)	2320.9 (25.7)	52Cr(7938.6,564.0)
2244.6 (9.1)	31P(3900.3,2154.2)	2328.2 (4.6)	183W(111.2,903.3)
2244.6 (2.5)	141Pr(176.9,140.9)	2330.4 (2.1)	81Br(29.1,287.7)
2250.6 (7.1)	31P(3900.3,2154.2)	2331.2 (10.7)	55Mn(26.6,7243.8)
2251.9 (3.4)	86Sr(484.8,8039.2)	2331.5 (11.0)	86Kr(1475.9,3392.6)
2254.1 (85.0)	94Zr(2294.0,1619.0)	2333.9 (2.0)	50V(1609.2,1776.6)
2256.7 (100.0)	124Sn(187.6,616.4)	2338.4 (3.9)	55Mn(26.6,7243.8)
2258.4 (2.3)	173Yb(176.6,1241.9)	2339.0 (3.4)	173Yb(176.6,1241.9)
2258.6 (2.6)	183W(111.2,903.3)	2341.0 (2.4)	102Ru(174.0,136.1)
2260.3 (3.0)	176Yb(104.5,151.6)	2342.6 (2.2)	55Mn(26.6,7243.8)
2260.6 (3.2)	187Os(155.0,633.1)	2344.0 (19.1)	68Zn(1008.0,5474.0)
2262.7 (6.3)	31P(3900.3,2154.2)	2345.2 (2.4)	139La(5097.7,4842.7)
2265.2 (6.1)	81Br(29.1,287.7)	2345.6 (5.9)	61Ni(1172.8,875.6)
2267.6 (2.4)	183W(111.2,903.3)	2346.5 (2.2)	natK(770.3,2073.6)
2272.0 (5.5)	27Al(7723.9,2960.0)	2348.2 (31.0)	86Kr(1475.9,3392.6)
2273.3 (19.7)	57Fe(810.5,863.6)	2348.9 (2.9)	50Cr(749.0,8512.1)
2274.0 (3.2)	173Yb(176.6,1241.9)	2349.4 (3.5)	173Yb(176.6,1241.9)
2276.0 (5.6)	31P(3900.3,2154.2)	2351.0 (4.7)	70Ge(499.9,174.9)
2276.5 (3.6)	87Sr(1836.0,898.0)	2353.7 (3.3)	180Hf(5695.9,5649.7)
2277.1 (2.3)	173Yb(176.6,1241.9)	2355.4 (2.2)	176Yb(104.5,151.6)
2282.3 (6.4)	natCl(1950.9,6110.9)	2356.7 (14.8)	natN(5269.2,1884.8)
2282.9 (10.7)	27Al(7723.9,2960.0)	2359.7 (2.3)	148Nd(165.1,138.4)
2284.2 (5.6)	183W(111.2,903.3)	2361.1 (3.1)	130Te(295.9,3346.9)
2285.0 (2.2)	141Pr(176.9,140.9)	2361.1 (2.5)	81Br(29.1,287.7)
2285.1 (5.1)	31P(3900.3,2154.2)	2361.3 (3.5)	23Na(472.4,6395.4)
2285.1 (6.0)	173Yb(176.6,1241.9)	2366.8 (3.8)	176Yb(104.5,151.6)
2285.2 (100.0)	120Sn(925.7,942.9)	2367.2 (2.6)	186W(59.2,145.8)
2286.8 (54.1)	130Te(295.9,3346.9)	2368.4 (2.7)	55Mn(26.6,7243.8)
2287.8 (4.9)	173Yb(176.6,1241.9)	2369.5 (2.1)	88Sr(1032.0,934.5)
2288.2 (9.0)	86Sr(484.8,8039.2)	2370.4 (2.4)	183W(111.2,903.3)
2288.9 (5.9)	104Ru(143.2,159.3)	2371.4 (5.4)	146Nd(314.7,78.0)
2288.9 (2.7)	176Yb(104.5,151.6)	2374.7 (7.9)	146Nd(314.7,78.0)
2288.9 (2.2)	natCl(1950.9,6110.9)	2375.2 (7.2)	47Ti(983.5,1312.1)
2290.0 (17.4)	128Te(3721.8,3702.9)	2376.7 (6.8)	50Cr(749.0,8512.1)
2290.7 (7.4)	natK(770.3,2073.6)	2378.0 (6.4)	68Zn(1008.0,5474.0)
2293.1 (5.5)	50V(1609.2,1776.6)	2378.0 (7.8)	205Tl(304.9,266.1)
2294.0 (100.0)	94Zr(2294.0,1619.0)	2378.6 (9.8)	136Ba(1897.5,4720.0)
2294.6 (3.4)	natCa(1942.0,6419.9)	2379.4 (2.4)	88Sr(1032.0,934.5)
2294.8 (3.4)	148Nd(165.1,138.4)	2379.5 (2.9)	54Cr(6246.4,241.9)
2294.8 (6.4)	55Mn(26.6,7243.8)	2379.7 (58.9)	natS(841.1,5420.5)
2295.2 (33.0)	86Kr(1475.9,3392.6)	2380.8 (8.4)	78Se(6866.8,5873.8)
2295.4 (10.0)	31P(3900.3,2154.2)	2387.2 (2.9)	47Ti(983.5,1312.1)
2298.0 (2.3)	27Al(7723.9,2960.0)	2388.8 (2.3)	153Gd(123.1,247.9)
2301.4 (13.7)	61Ni(1172.8,875.6)	2389.0 (2.8)	173Yb(176.6,1241.9)
2304.6 (2.6)	102Ru(174.0,136.1)	2389.6 (4.2)	natK(770.3,2073.6)
2307.8 (2.8)	104Ru(143.2,159.3)	2391.2 (4.0)	87Sr(1836.0,898.0)
2308.7 (3.3)	176Yb(104.5,151.6)	2391.4 (5.4)	136Ce(434.0,514.2)
2309.1 (3.6)	31P(3900.3,2154.2)	2392.5 (2.4)	146Nd(314.7,78.0)
2311.1 (4.5)	natCl(1950.9,6110.9)	2392.7 (2.2)	104Ru(143.2,159.3)
2311.9 (7.3)	78Se(6866.8,5873.8)	2397.5 (2.1)	81Br(29.1,287.7)
2312.0 (10.2)	68Zn(1008.0,5474.0)	2397.7 (3.1)	23Na(472.4,6395.4)
2314.2 (2.6)	173Yb(176.6,1241.9)	2401.0 (2.3)	173Yb(176.6,1241.9)
2315.4 (3.1)	146Nd(314.7,78.0)	2401.3 (23.6)	170Yb(6614.7,804.7)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
2401.4 (4.1)	171Yb (5538.8, 5690.9)	2511.0 (4.8)	130Te (295.9, 3346.9)
2404.8 (2.2)	146Nd (314.7, 78.0)	2511.1 (5.5)	173Yb (176.6, 1241.9)
2404.9 (2.7)	45Sc (227.8, 142.5)	2511.1 (4.3)	49Ti (1553.8, 1121.1)
2410.4 (2.2)	45Sc (227.8, 142.5)	2512.6 (2.7)	139La (5097.7, 4842.7)
2410.4 (2.7)	51V (22.8, 125.1)	2512.9 (2.5)	96Mo (481.0, 720.5)
2411.4 (2.4)	176Yb (104.5, 151.6)	2513.5 (2.4)	57Fe (810.5, 863.6)
2411.7 (2.2)	50V (1609.2, 1776.6)	2514.6 (5.5)	50V (1609.2, 1776.6)
2414.9 (9.3)	23Na (472.4, 6395.4)	2515.4 (4.5)	173Yb (176.6, 1241.9)
2415.2 (2.9)	44Ca (174.3, 5515.0)	2517.1 (4.8)	139La (5097.7, 4842.7)
2417.7 (2.5)	81Br (29.1, 287.7)	2517.6 (24.7)	23Na (472.4, 6395.4)
2418.1 (2.6)	natCl (1950.9, 6110.9)	2520.6 (22.8)	natN (5269.2, 1884.8)
2418.5 (2.6)	67Zn (1077.3, 1883.1)	2522.1 (2.1)	146Nd (314.7, 78.0)
2419.3 (2.7)	natK (770.3, 2073.6)	2522.4 (2.2)	176Yb (104.5, 151.6)
2420.0 (5.0)	51V (22.8, 125.1)	2522.5 (8.5)	138Ba (627.3, 4096.1)
2424.7 (10.4)	31P (3900.3, 2154.2)	2523.8 (5.5)	173Yb (176.6, 1241.9)
2426.0 (4.5)	natSi (3539.1, 4934.4)	2524.0 (100.0)	120Sn (925.7, 942.9)
2428.6 (2.2)	55Mn (26.6, 7243.8)	2524.8 (14.1)	232Th (3473.0, 566.6)
2431.5 (2.3)	176Yb (104.5, 151.6)	2524.9 (26.9)	128Te (3721.8, 3702.9)
2432.0 (2.6)	64Zn (7863.0, 751.0)	2526.4 (8.4)	78Se (6866.8, 5873.8)
2433.5 (3.0)	57Fe (810.5, 863.6)	2528.1 (64.9)	19F (582.2, 3589.3)
2437.8 (2.4)	55Mn (26.6, 7243.8)	2531.4 (30.0)	92Zr (1426.8, 5312.2)
2440.4 (5.0)	104Ru (143.2, 159.3)	2532.3 (2.9)	148Nd (165.1, 138.4)
2449.0 (4.1)	102Ru (174.0, 136.1)	2532.4 (2.8)	139La (5097.7, 4842.7)
2451.6 (2.7)	88Sr (1032.0, 934.5)	2533.0 (6.1)	90Zr (1466.0, 1205.0)
2451.8 (5.3)	104Ru (143.2, 159.3)	2534.1 (2.2)	146Nd (314.7, 78.0)
2452.0 (6.0)	173Yb (176.6, 1241.9)	2535.0 (5.1)	144Nd (852.8, 4836.9)
2452.8 (78.6)	19F (582.2, 3589.3)	2537.0 (3.0)	138Ba (627.3, 4096.1)
2458.4 (2.9)	183W (111.2, 903.3)	2537.9 (2.2)	natCl (1950.9, 6110.9)
2460.7 (4.2)	31P (3900.3, 2154.2)	2539.6 (10.9)	78Se (6866.8, 5873.8)
2467.6 (3.2)	natCl (1950.9, 6110.9)	2541.0 (4.6)	natMg (3916.7, 2828.1)
2469.2 (2.2)	141Pr (176.9, 140.9)	2541.0 (4.5)	173Yb (176.6, 1241.9)
2470.0 (5.9)	54Fe (9297.8, 412.0)	2542.4 (11.8)	232Th (3473.0, 566.6)
2470.5 (3.2)	natCl (1950.9, 6110.9)	2545.4 (13.7)	232Th (3473.0, 566.6)
2474.4 (31.6)	92Zr (1426.8, 5312.2)	2545.9 (5.3)	natK (770.3, 2073.6)
2475.0 (2.6)	71Ga (145.1, 192.0)	2546.8 (3.3)	89Y (6080.5, 776.7)
2477.4 (2.4)	45Sc (227.8, 142.5)	2547.0 (8.0)	78Se (6866.8, 5873.8)
2478.4 (2.6)	173Yb (176.6, 1241.9)	2548.8 (4.2)	173Yb (176.6, 1241.9)
2479.0 (4.5)	170Yb (6614.7, 804.7)	2549.3 (2.6)	102Ru (174.0, 136.1)
2481.2 (2.6)	186W (59.2, 145.8)	2550.1 (2.1)	113Cd (558.5, 651.3)
2481.9 (2.2)	102Ru (174.0, 136.1)	2551.9 (14.4)	232Th (3473.0, 566.6)
2482.3 (2.4)	141Pr (176.9, 140.9)	2552.2 (6.5)	78Se (6866.8, 5873.8)
2485.1 (2.4)	86Sr (484.8, 8039.2)	2552.2 (4.2)	86Sr (484.8, 8039.2)
2485.7 (14.4)	232Th (3473.0, 566.6)	2553.9 (3.3)	31P (3900.3, 2154.2)
2489.2 (2.3)	natCl (1950.9, 6110.9)	2554.1 (3.2)	58Ni (8998.4, 8533.4)
2490.8 (3.6)	natS (841.1, 5420.5)	2554.5 (2.0)	146Nd (314.7, 78.0)
2492.6 (6.5)	150Nd (189.1, 57.7)	2554.9 (3.5)	176Yb (104.5, 151.6)
2492.7 (3.4)	natCl (1950.9, 6110.9)	2555.8 (3.4)	139La (5097.7, 4842.7)
2496.5 (2.9)	146Nd (314.7, 78.0)	2556.0 (40.0)	46Ti (158.6, 1391.5)
2497.9 (2.5)	63Cu (7916.3, 278.2)	2557.0 (26.4)	90Zr (1466.0, 1205.0)
2498.8 (5.0)	173Yb (176.6, 1241.9)	2557.3 (3.2)	176Yb (104.5, 151.6)
2501.0 (4.6)	136Ce (434.0, 514.2)	2558.2 (11.3)	232Th (3473.0, 566.6)
2503.7 (16.8)	232Th (3473.0, 566.6)	2561.4 (3.1)	141Pr (176.9, 140.9)
2505.0 (2.0)	102Ru (174.0, 136.1)	2561.9 (3.9)	139La (5097.7, 4842.7)
2505.4 (2.9)	136Ce (434.0, 514.2)	2564.8 (5.5)	139La (5097.7, 4842.7)
2505.6 (5.1)	209Bi (319.7, 162.2)	2566.0 (3.5)	natAr (167.3, 4745.0)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
2567.0 (3.0)	138Ba(627.3,4096.1)	2632.1 (41.3)	19F(582.2,3589.3)
2570.0 (3.1)	80Se(467.7,6233.0)	2633.2 (9.7)	47Ti(983.5,1312.1)
2570.1 (24.4)	88Sr(1032.0,934.5)	2635.7 (6.6)	45Sc(227.8,142.5)
2570.4 (2.1)	85Rb(557.0,488.0)	2635.8 (3.5)	144Nd(852.8,4836.9)
2576.0 (26.4)	90Zr(1466.0,1205.0)	2635.9 (6.5)	173Yb(176.6,1241.9)
2577.1 (3.4)	102Ru(174.0,136.1)	2636.2 (9.8)	232Th(3473.0,566.6)
2577.6 (5.1)	27Al(7723.9,2960.0)	2639.0 (16.9)	90Zr(1466.0,1205.0)
2577.9 (2.1)	87Sr(1836.0,898.0)	2639.1 (2.8)	natK(770.3,2073.6)
2578.0 (2.8)	104Ru(143.2,159.3)	2639.3 (8.1)	137Ba(1435.9,5730.8)
2579.4 (6.5)	128Te(3721.8,3702.9)	2639.9 (2.8)	199Hg(367.9,5967.4)
2582.5 (9.1)	130Te(295.9,3346.9)	2640.0 (2.3)	139La(5097.7,4842.7)
2584.3 (4.1)	186W(59.2,145.8)	2641.2 (18.9)	232Th(3473.0,566.6)
2585.7 (2.4)	115Sn(1293.6,972.6)	2644.6 (2.8)	148Nd(165.1,138.4)
2585.7 (2.6)	85Rb(557.0,488.0)	2645.5 (2.1)	141Pr(176.9,140.9)
2586.1 (30.0)	31P(3900.3,2154.2)	2646.3 (2.8)	180Hf(5695.9,5649.7)
2586.6 (4.9)	173Yb(176.6,1241.9)	2647.9 (4.2)	176Yb(104.5,151.6)
2590.1 (36.5)	9Be(6809.4,3367.6)	2653.4 (24.0)	232Th(3473.0,566.6)
2590.3 (9.8)	27Al(7723.9,2960.0)	2653.7 (4.2)	146Nd(314.7,78.0)
2590.6 (2.4)	76Se(239.0,520.6)	2657.0 (10.7)	31P(3900.3,2154.2)
2591.0 (12.0)	232Th(3473.0,566.6)	2658.5 (3.2)	176Yb(104.5,151.6)
2594.1 (3.1)	23Na(472.4,6395.4)	2658.6 (2.2)	natMg(3916.7,2828.1)
2594.1 (8.0)	138Ba(627.3,4096.1)	2659.5 (23.5)	232Th(3473.0,566.6)
2594.5 (2.8)	55Mn(26.6,7243.8)	2660.1 (3.7)	113Cd(558.5,651.3)
2596.9 (18.9)	232Th(3473.0,566.6)	2660.1 (12.8)	136Ba(1897.5,4720.0)
2598.0 (7.2)	180Hf(5695.9,5649.7)	2660.2 (2.1)	natCa(1942.0,6419.9)
2598.2 (3.4)	139La(5097.7,4842.7)	2661.6 (3.9)	139La(5097.7,4842.7)
2598.5 (5.1)	209Bi(319.7,162.2)	2661.7 (48.8)	19F(582.2,3589.3)
2598.6 (2.1)	55Mn(26.6,7243.8)	2663.8 (2.0)	95Mo(778.3,850.0)
2598.8 (3.5)	141Pr(176.9,140.9)	2664.8 (2.4)	146Nd(314.7,78.0)
2601.9 (69.0)	19F(582.2,3589.3)	2667.7 (4.3)	44Ca(174.3,5515.0)
2601.9 (2.9)	53Cr(834.8,8884.2)	2668.0 (3.6)	139La(5097.7,4842.7)
2603.1 (4.6)	31P(3900.3,2154.2)	2670.0 (2.3)	54Fe(9297.8,412.0)
2605.1 (4.9)	173Yb(176.6,1241.9)	2670.8 (7.2)	52Cr(7938.6,564.0)
2606.7 (12.7)	232Th(3473.0,566.6)	2671.8 (15.8)	232Th(3473.0,566.6)
2607.2 (5.1)	139La(5097.7,4842.7)	2675.4 (2.1)	83Kr(881.7,1213.4)
2608.9 (2.4)	146Nd(314.7,78.0)	2676.0 (11.9)	natCl(1950.9,6110.9)
2610.0 (14.6)	232Th(3473.0,566.6)	2677.7 (4.4)	55Mn(26.6,7243.8)
2610.6 (4.0)	natK(770.3,2073.6)	2677.8 (9.7)	86Sr(484.8,8039.2)
2610.6 (2.4)	55Mn(26.6,7243.8)	2679.9 (3.6)	180Hf(5695.9,5649.7)
2613.5 (2.8)	76Se(239.0,520.6)	2682.8 (59.7)	19F(582.2,3589.3)
2614.3 (3.6)	natAr(167.3,4745.0)	2688.1 (3.8)	139La(5097.7,4842.7)
2614.9 (2.1)	natK(770.3,2073.6)	2689.1 (10.8)	232Th(3473.0,566.6)
2617.1 (3.2)	86Sr(484.8,8039.2)	2690.7 (2.9)	183W(111.2,903.3)
2617.8 (2.2)	139La(5097.7,4842.7)	2693.7 (2.2)	45Sc(227.8,142.5)
2618.0 (3.6)	54Fe(9297.8,412.0)	2693.8 (4.0)	91Zr(934.5,1405.2)
2618.3 (20.1)	49Ti(1553.8,1121.1)	2694.0 (3.0)	80Se(467.7,6233.0)
2618.9 (2.2)	86Sr(484.8,8039.2)	2694.0 (35.1)	90Zr(1466.0,1205.0)
2619.5 (5.0)	102Ru(174.0,136.1)	2696.3 (4.5)	146Nd(314.7,78.0)
2622.7 (3.2)	55Mn(26.6,7243.8)	2697.2 (5.1)	78Se(6866.8,5873.8)
2623.2 (3.4)	natCl(1950.9,6110.9)	2698.2 (2.7)	139La(5097.7,4842.7)
2624.4 (6.9)	209Bi(319.7,162.2)	2699.3 (34.6)	19F(582.2,3589.3)
2625.0 (8.2)	170Yb(6614.7,804.7)	2701.2 (5.7)	146Nd(314.7,78.0)
2625.8 (3.5)	27Al(7723.9,2960.0)	2703.2 (20.1)	232Th(3473.0,566.6)
2630.1 (13.7)	232Th(3473.0,566.6)	2703.9 (4.0)	183W(111.2,903.3)
2630.7 (15.5)	86Sr(484.8,8039.2)	2704.9 (4.4)	49Ti(1553.8,1121.1)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
2705.1 (4.1)	31P(3900.3,2154.2)	2799.4 (2.4)	61Ni(1172.8,875.6)
2706.1 (16.1)	130Te(295.9,3346.9)	2800.2 (2.1)	natK(770.3,2073.6)
2707.2 (2.2)	88Sr(1032.0,934.5)	2801.8 (2.7)	natCl(1950.9,6110.9)
2708.8 (3.1)	186W(59.2,145.8)	2804.8 (3.0)	139La(5097.7,4842.7)
2711.8 (4.1)	176Yb(104.5,151.6)	2806.4 (3.3)	78Se(6866.8,5873.8)
2712.4 (20.1)	232Th(3473.0,566.6)	2806.5 (2.5)	146Nd(314.7,78.0)
2714.2 (5.3)	180Hf(5695.9,5649.7)	2807.3 (21.1)	232Th(3473.0,566.6)
2714.6 (2.1)	139La(5097.7,4842.7)	2807.4 (3.7)	natK(770.3,2073.6)
2716.0 (2.1)	44Ca(174.3,5515.0)	2808.9 (6.4)	23Na(472.4,6395.4)
2716.7 (8.9)	232Th(3473.0,566.6)	2809.1 (2.1)	76Se(239.0,520.6)
2720.0 (22.8)	232Th(3473.0,566.6)	2810.5 (7.4)	natAr(167.3,4745.0)
2721.1 (2.6)	104Ru(143.2,159.3)	2811.0 (4.6)	natCa(1942.0,6419.9)
2721.2 (4.7)	56Fe(7631.2,7645.6)	2811.3 (4.4)	78Se(6866.8,5873.8)
2724.3 (2.2)	139La(5097.7,4842.7)	2815.6 (6.5)	232Th(3473.0,566.6)
2726.0 (10.9)	57Fe(810.5,863.6)	2820.0 (2.9)	57Fe(810.5,863.6)
2726.2 (2.2)	141Pr(176.9,140.9)	2821.4 (10.7)	27Al(7723.9,2960.0)
2726.4 (2.0)	natK(770.3,2073.6)	2822.0 (16.3)	232Th(3473.0,566.6)
2727.2 (3.2)	59Co(58.9,229.7)	2824.9 (24.5)	232Th(3473.0,566.6)
2731.3 (2.4)	80Se(467.7,6233.0)	2825.1 (4.9)	176Yb(104.5,151.6)
2732.8 (15.8)	232Th(3473.0,566.6)	2828.1 (87.4)	natMg(3916.7,2828.1)
2733.1 (2.2)	183W(111.2,903.3)	2828.2 (8.0)	209Bi(319.7,162.2)
2735.1 (2.8)	139La(5097.7,4842.7)	2830.0 (2.0)	102Ru(174.0,136.1)
2738.7 (4.4)	78Se(6866.8,5873.8)	2830.0 (2.9)	78Se(6866.8,5873.8)
2738.9 (2.2)	186W(59.2,145.8)	2831.1 (7.2)	natN(5269.2,1884.8)
2739.0 (2.9)	139La(5097.7,4842.7)	2832.1 (6.3)	186W(59.2,145.8)
2739.7 (10.3)	232Th(3473.0,566.6)	2832.9 (2.2)	55Mn(26.6,7243.8)
2742.4 (4.7)	78Se(6866.8,5873.8)	2835.3 (3.4)	148Nd(165.1,138.4)
2744.8 (11.8)	232Th(3473.0,566.6)	2837.5 (2.8)	139La(5097.7,4842.7)
2746.9 (3.1)	123Te(602.4,722.4)	2837.9 (3.4)	141Pr(176.9,140.9)
2747.6 (2.8)	139La(5097.7,4842.7)	2838.3 (12.0)	232Th(3473.0,566.6)
2749.3 (4.1)	89Y(6080.5,776.7)	2839.9 (3.6)	natK(770.3,2073.6)
2753.2 (7.7)	natS(841.1,5420.5)	2841.6 (3.0)	51V(22.8,125.1)
2756.8 (3.8)	natK(770.3,2073.6)	2841.9 (8.6)	232Th(3473.0,566.6)
2757.7 (7.6)	139La(5097.7,4842.7)	2842.1 (3.5)	58Ni(8998.4,8533.4)
2759.7 (2.5)	180Hf(5695.9,5649.7)	2843.9 (2.5)	115Sn(1293.6,972.6)
2759.7 (3.1)	186W(59.2,145.8)	2844.4 (3.6)	180Hf(5695.9,5649.7)
2759.9 (8.6)	232Th(3473.0,566.6)	2845.5 (4.9)	natCl(1950.9,6110.9)
2764.5 (4.3)	139La(5097.7,4842.7)	2848.5 (6.2)	78Se(6866.8,5873.8)
2765.9 (2.6)	102Ru(174.0,136.1)	2849.8 (5.1)	186W(59.2,145.8)
2767.6 (4.3)	139La(5097.7,4842.7)	2850.1 (8.2)	88Sr(1032.0,934.5)
2771.6 (8.2)	232Th(3473.0,566.6)	2850.9 (11.5)	232Th(3473.0,566.6)
2771.8 (10.8)	natAr(167.3,4745.0)	2852.6 (2.1)	139La(5097.7,4842.7)
2774.2 (2.5)	31P(3900.3,2154.2)	2856.1 (2.9)	49Ti(1553.8,1121.1)
2781.0 (5.2)	57Fe(810.5,863.6)	2857.6 (2.5)	67Zn(1077.3,1883.1)
2781.5 (3.2)	natSi(3539.1,4934.4)	2862.7 (17.0)	23Na(472.4,6395.4)
2781.7 (2.1)	natAr(167.3,4745.0)	2863.1 (10.8)	139La(5097.7,4842.7)
2784.2 (13.9)	232Th(3473.0,566.6)	2863.1 (13.4)	31P(3900.3,2154.2)
2790.4 (7.4)	232Th(3473.0,566.6)	2863.9 (31.9)	natCl(1950.9,6110.9)
2794.2 (32.8)	natNe(2035.4,350.3)	2864.4 (2.3)	55Mn(26.6,7243.8)
2795.3 (9.6)	232Th(3473.0,566.6)	2864.7 (2.4)	natS(841.1,5420.5)
2795.5 (2.1)	46Ca(2013.6,5262.1)	2868.1 (3.4)	146Nd(314.7,78.0)
2796.2 (15.8)	146Nd(314.7,78.0)	2868.6 (3.4)	47Ti(983.5,1312.1)
2797.6 (2.2)	45Sc(227.8,142.5)	2871.1 (2.8)	natCl(1950.9,6110.9)
2797.8 (2.5)	148Nd(165.1,138.4)	2873.0 (2.8)	76Se(239.0,520.6)
2799.1 (4.4)	44Ca(174.3,5515.0)	2874.9 (8.0)	78Se(6866.8,5873.8)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
2875.0(3.5)	146Nd(314.7,78.0)	2970.7(2.3)	180Hf(5695.9,5649.7)
2876.0(8.6)	57Fe(810.5,863.6)	2974.6(6.2)	natCl(1950.9,6110.9)
2876.9(2.6)	natCl(1950.9,6110.9)	2976.0(8.6)	135Ba(818.7,1261.8)
2880.3(7.8)	natMg(3916.7,2828.1)	2976.5(8.4)	78Se(6866.8,5873.8)
2880.9(16.8)	232Th(3473.0,566.6)	2977.3(2.4)	139La(5097.7,4842.7)
2886.2(19.2)	31P(3900.3,2154.2)	2980.7(17.7)	232Th(3473.0,566.6)
2887.8(26.0)	86Kr(1475.9,3392.6)	2982.4(5.3)	23Na(472.4,6395.4)
2891.4(7.4)	232Th(3473.0,566.6)	2988.5(6.8)	139La(5097.7,4842.7)
2892.0(4.6)	102Ru(174.0,136.1)	2989.5(11.8)	232Th(3473.0,566.6)
2893.8(2.4)	148Nd(165.1,138.4)	2992.1(2.1)	31P(3900.3,2154.2)
2894.3(2.6)	54Cr(6246.4,241.9)	2994.7(5.2)	natCl(1950.9,6110.9)
2895.8(2.5)	natCl(1950.9,6110.9)	2997.2(2.8)	141Pr(176.9,140.9)
2896.1(9.4)	natNe(2035.4,350.3)	3001.3(3.4)	natCl(1950.9,6110.9)
2897.9(3.9)	209Bi(319.7,162.2)	3001.8(10.0)	130Te(295.9,3346.9)
2898.2(3.7)	150Nd(189.1,57.7)	3002.2(9.4)	150Nd(189.1,57.7)
2899.7(2.0)	180Hf(5695.9,5649.7)	3003.3(3.9)	140Ce(662.0,4766.6)
2902.6(2.1)	86Sr(484.8,8039.2)	3003.4(3.6)	55Mn(26.6,7243.8)
2903.1(4.2)	23Na(472.4,6395.4)	3007.2(3.0)	150Nd(189.1,57.7)
2904.3(12.7)	50Ti(1166.6,5206.1)	3009.4(4.6)	87Sr(1836.0,898.0)
2905.9(3.0)	140Ce(662.0,4766.6)	3009.9(5.5)	232Th(3473.0,566.6)
2910.1(3.1)	80Se(467.7,6233.0)	3011.9(5.8)	45Sc(227.8,142.5)
2911.8(3.7)	146Nd(314.7,78.0)	3013.8(2.9)	natN(5269.2,1884.8)
2914.3(2.7)	146Nd(314.7,78.0)	3014.9(2.9)	146Nd(314.7,78.0)
2921.7(2.3)	150Nd(189.1,57.7)	3015.9(5.0)	natCl(1950.9,6110.9)
2922.8(7.2)	180Hf(5695.9,5649.7)	3016.8(30.8)	19F(582.2,3589.3)
2923.8(8.4)	232Th(3473.0,566.6)	3017.1(10.1)	139La(5097.7,4842.7)
2924.7(3.1)	88Sr(1032.0,934.5)	3017.1(4.7)	140Ce(662.0,4766.6)
2925.0(6.6)	139La(5097.7,4842.7)	3022.4(4.0)	150Nd(189.1,57.7)
2926.6(5.8)	232Th(3473.0,566.6)	3026.2(5.8)	23Na(472.4,6395.4)
2926.9(2.3)	55Mn(26.6,7243.8)	3026.7(2.4)	48Ti(1381.7,6760.1)
2927.5(28.5)	130Te(295.9,3346.9)	3027.2(2.6)	48Ti(1381.7,6760.1)
2929.6(2.5)	88Sr(1032.0,934.5)	3028.0(3.9)	54Fe(9297.8,412.0)
2930.1(4.4)	78Se(6866.8,5873.8)	3030.9(2.4)	136Ba(1897.5,4720.0)
2930.5(2.0)	180Hf(5695.9,5649.7)	3031.3(5.0)	139La(5097.7,4842.7)
2931.1(29.6)	natS(841.1,5420.5)	3033.9(25.6)	27Al(7723.9,2960.0)
2935.2(3.3)	78Se(6866.8,5873.8)	3034.0(5.2)	150Nd(189.1,57.7)
2937.3(4.0)	142Nd(742.1,563.8)	3035.6(7.7)	139La(5097.7,4842.7)
2943.6(3.3)	141Pr(176.9,140.9)	3036.8(2.2)	86Sr(484.8,8039.2)
2944.3(2.9)	232Th(3473.0,566.6)	3039.4(15.0)	136Xe(601.0,3424.6)
2946.4(4.7)	78Se(6866.8,5873.8)	3040.0(5.2)	150Nd(189.1,57.7)
2947.2(3.2)	148Nd(165.1,138.4)	3040.4(2.8)	146Nd(314.7,78.0)
2948.1(3.0)	88Sr(1032.0,934.5)	3040.5(2.3)	76Se(239.0,520.6)
2948.1(2.7)	141Pr(176.9,140.9)	3040.9(4.4)	139La(5097.7,4842.7)
2949.0(3.2)	75Se(559.1,8724.4)	3045.1(5.8)	232Th(3473.0,566.6)
2953.6(2.3)	180Hf(5695.9,5649.7)	3047.5(2.1)	55Mn(26.6,7243.8)
2954.3(3.6)	78Se(6866.8,5873.8)	3049.5(2.0)	45Sc(227.8,142.5)
2955.3(2.0)	81Br(29.1,287.7)	3049.6(6.0)	232Th(3473.0,566.6)
2959.0(10.0)	170Yb(6614.7,804.7)	3051.0(6.2)	144Nd(852.8,4836.9)
2960.0(29.1)	27Al(7723.9,2960.0)	3051.5(2.7)	139La(5097.7,4842.7)
2961.3(3.8)	139La(5097.7,4842.7)	3051.9(40.3)	19F(582.2,3589.3)
2963.6(3.2)	natMg(3916.7,2828.1)	3052.3(3.8)	180Hf(5695.9,5649.7)
2966.0(2.5)	80Se(467.7,6233.0)	3052.4(2.5)	141Pr(176.9,140.9)
2969.3(6.1)	139La(5097.7,4842.7)	3053.5(5.6)	102Ru(174.0,136.1)
2970.2(2.8)	55Mn(26.6,7243.8)	3054.0(2.3)	148Nd(165.1,138.4)
2970.3(11.0)	232Th(3473.0,566.6)	3054.1(26.5)	natMg(3916.7,2828.1)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
3054.2 (2.1)	natSi(3539.1,4934.4)	3148.3 (38.4)	232Th(3473.0,566.6)
3055.7 (10.8)	232Th(3473.0,566.6)	3150.0 (2.1)	64Zn(7863.0,751.0)
3056.5 (5.8)	natK(770.3,2073.6)	3150.2 (5.0)	natAr(167.3,4745.0)
3056.5 (2.3)	80Se(467.7,6233.0)	3150.6 (2.1)	141Pr(176.9,140.9)
3057.7 (2.9)	139La(5097.7,4842.7)	3152.0 (2.3)	31P(3900.3,2154.2)
3058.3 (36.8)	31P(3900.3,2154.2)	3153.1 (3.8)	142Ce(4337.8,766.0)
3058.6 (9.1)	232Th(3473.0,566.6)	3154.0 (5.2)	186W(59.2,145.8)
3061.7 (18.2)	natCl(1950.9,6110.9)	3158.0 (2.2)	61Ni(1172.8,875.6)
3063.2 (2.9)	141Pr(176.9,140.9)	3162.0 (2.1)	57Fe(810.5,863.6)
3066.1 (2.8)	150Nd(189.1,57.7)	3163.8 (4.8)	139La(5097.7,4842.7)
3070.6 (9.1)	232Th(3473.0,566.6)	3164.7 (4.8)	102Ru(174.0,136.1)
3071.0 (2.4)	57Fe(810.5,863.6)	3165.4 (2.6)	148Nd(165.1,138.4)
3074.4 (70.7)	19F(582.2,3589.3)	3168.0 (2.1)	31P(3900.3,2154.2)
3081.3 (3.7)	209Bi(319.7,162.2)	3168.7 (2.3)	108Pd(113.4,245.1)
3081.7 (2.1)	180Hf(5695.9,5649.7)	3171.5 (3.2)	176Yb(104.5,151.6)
3081.8 (2.5)	146Nd(314.7,78.0)	3174.0 (16.5)	232Th(3473.0,566.6)
3082.0 (15.5)	90Zr(1466.0,1205.0)	3174.6 (19.9)	50Ti(1166.6,5206.1)
3083.0 (21.4)	139La(5097.7,4842.7)	3175.4 (2.6)	80Se(467.7,6233.0)
3084.0 (5.1)	142Ce(4337.8,766.0)	3184.9 (15.8)	232Th(3473.0,566.6)
3087.0 (11.0)	176Yb(104.5,151.6)	3185.4 (10.8)	31P(3900.3,2154.2)
3087.0 (16.1)	232Th(3473.0,566.6)	3185.8 (2.5)	199Hg(367.9,5967.4)
3087.8 (2.4)	31P(3900.3,2154.2)	3186.0 (2.3)	56Fe(7631.2,7645.6)
3088.9 (5.5)	88Sr(1032.0,934.5)	3189.1 (8.0)	139La(5097.7,4842.7)
3089.0 (2.3)	174Yb(514.9,5266.7)	3189.6 (3.3)	176Yb(104.5,151.6)
3092.5 (2.8)	140Ce(662.0,4766.6)	3192.0 (2.1)	68Zn(1008.0,5474.0)
3094.8 (37.3)	110Pd(4902.5,3488.0)	3193.7 (4.5)	186W(59.2,145.8)
3095.5 (2.8)	139La(5097.7,4842.7)	3196.5 (27.3)	232Th(3473.0,566.6)
3095.6 (3.8)	88Sr(1032.0,934.5)	3197.2 (2.6)	238U(12.0,133.8)
3096.6 (2.2)	78Se(6866.8,5873.8)	3197.4 (23.7)	50Ti(1166.6,5206.1)
3098.1 (14.0)	23Na(472.4,6395.4)	3197.5 (3.1)	139La(5097.7,4842.7)
3099.0 (3.1)	186W(59.2,145.8)	3200.2 (2.6)	142Ce(4337.8,766.0)
3099.8 (3.3)	88Sr(1032.0,934.5)	3200.8 (2.1)	142Nd(742.1,563.8)
3103.1 (2.3)	56Fe(7631.2,7645.6)	3207.1 (3.3)	186W(59.2,145.8)
3108.2 (6.3)	146Nd(314.7,78.0)	3209.4 (2.3)	natMg(3916.7,2828.1)
3112.4 (4.7)	139La(5097.7,4842.7)	3210.9 (2.4)	148Nd(165.1,138.4)
3114.8 (6.3)	186W(59.2,145.8)	3213.4 (2.1)	139La(5097.7,4842.7)
3115.9 (2.6)	139La(5097.7,4842.7)	3213.5 (2.2)	23Na(472.4,6395.4)
3116.1 (5.9)	natCl(1950.9,6110.9)	3214.8 (2.4)	209Bi(319.7,162.2)
3117.4 (20.0)	94Zr(2294.0,1619.0)	3217.6 (3.6)	88Sr(1032.0,934.5)
3117.9 (2.9)	136Ba(1897.5,4720.0)	3218.1 (9.7)	46Ca(2013.6,5262.1)
3118.0 (9.8)	232Th(3473.0,566.6)	3218.4 (2.1)	86Sr(484.8,8039.2)
3121.9 (6.0)	31P(3900.3,2154.2)	3219.3 (3.6)	78Se(6866.8,5873.8)
3123.0 (33.3)	48Ca(5146.6,2023.2)	3219.8 (4.4)	139La(5097.7,4842.7)
3127.6 (10.6)	232Th(3473.0,566.6)	3220.8 (35.9)	natS(841.1,5420.5)
3129.0 (6.6)	144Nd(852.8,4836.9)	3221.0 (4.4)	205Tl(304.9,266.1)
3130.9 (2.7)	88Sr(1032.0,934.5)	3221.1 (3.4)	54Cr(6246.4,241.9)
3132.7 (12.2)	232Th(3473.0,566.6)	3224.0 (2.5)	136Ba(1897.5,4720.0)
3137.2 (3.5)	139La(5097.7,4842.7)	3225.5 (6.2)	186W(59.2,145.8)
3137.3 (2.3)	141Pr(176.9,140.9)	3225.6 (2.9)	152Sm(127.3,35.8)
3139.5 (2.3)	natMg(3916.7,2828.1)	3227.0 (2.5)	141Pr(176.9,140.9)
3140.8 (5.5)	72Ge(326.0,6390.2)	3228.9 (10.6)	232Th(3473.0,566.6)
3141.6 (2.3)	88Sr(1032.0,934.5)	3229.1 (3.4)	108Pd(113.4,245.1)
3142.8 (4.8)	139La(5097.7,4842.7)	3231.6 (11.3)	232Th(3473.0,566.6)
3143.3 (45.0)	86Kr(1475.9,3392.6)	3232.5 (4.1)	142Ce(4337.8,766.0)
3148.3 (7.4)	186W(59.2,145.8)	3236.9 (4.4)	78Se(6866.8,5873.8)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
3239.0 (2.7)	140Ce (662.0, 4766.6)	3323.4 (6.0)	176Yb (104.5, 151.6)
3240.2 (7.5)	150Nd (189.1, 57.7)	3326.0 (8.6)	57Fe (810.5, 863.6)
3243.5 (3.1)	44Ca (174.3, 5515.0)	3326.6 (18.2)	232Th (3473.0, 566.6)
3245.5 (5.3)	232Th (3473.0, 566.6)	3328.1 (4.3)	180Hf (5695.9, 5649.7)
3255.5 (2.9)	78Se (6866.8, 5873.8)	3332.8 (4.0)	natCl (1950.9, 6110.9)
3257.0 (7.3)	170Yb (6614.7, 804.7)	3333.1 (4.6)	98Mo (97.6, 351.0)
3258.2 (7.4)	146Nd (314.7, 78.0)	3333.7 (4.0)	115Sn (1293.6, 972.6)
3261.0 (3.8)	148Nd (165.1, 138.4)	3334.5 (3.7)	72Ge (326.0, 6390.2)
3261.2 (7.2)	232Th (3473.0, 566.6)	3336.7 (2.1)	31P (3900.3, 2154.2)
3262.5 (5.3)	natK (770.3, 2073.6)	3337.7 (4.0)	74Ge (574.7, 253.7)
3262.6 (26.4)	19F (582.2, 3589.3)	3338.6 (4.2)	137Ba (1435.9, 5730.8)
3262.8 (2.0)	50Cr (749.0, 8512.1)	3340.9 (20.6)	192Os (5276.0, 5583.3)
3263.2 (2.8)	88Sr (1032.0, 934.5)	3341.7 (29.3)	232Th (3473.0, 566.6)
3265.3 (7.9)	139La (5097.7, 4842.7)	3345.3 (3.8)	104Ru (143.2, 159.3)
3265.6 (3.4)	45Sc (227.8, 142.5)	3346.9 (3.0)	55Mn (26.6, 7243.8)
3266.8 (2.8)	55Mn (26.6, 7243.8)	3346.9 (62.0)	130Te (295.9, 3346.9)
3266.9 (2.3)	141Pr (176.9, 140.9)	3347.7 (2.8)	102Ru (174.0, 136.1)
3266.9 (2.7)	186W (59.2, 145.8)	3348.3 (2.7)	74Ge (574.7, 253.7)
3267.1 (4.4)	56Fe (7631.2, 7645.6)	3351.5 (4.9)	54Cr (6246.4, 241.9)
3268.9 (3.6)	232Th (3473.0, 566.6)	3356.9 (7.1)	209Bi (319.7, 162.2)
3270.0 (2.1)	61Ni (1172.8, 875.6)	3358.2 (4.5)	102Ru (174.0, 136.1)
3271.0 (18.0)	natO (870.9, 1087.9)	3359.2 (2.0)	148Nd (165.1, 138.4)
3271.4 (3.8)	49Ti (1553.8, 1121.1)	3360.4 (2.3)	86Sr (484.8, 8039.2)
3273.8 (33.3)	31P (3900.3, 2154.2)	3363.5 (8.7)	192Os (5276.0, 5583.3)
3274.4 (18.4)	92Zr (1426.8, 5312.2)	3363.7 (8.2)	232Th (3473.0, 566.6)
3276.5 (9.4)	232Th (3473.0, 566.6)	3365.2 (2.5)	86Sr (484.8, 8039.2)
3277.3 (3.3)	141Pr (176.9, 140.9)	3365.4 (5.3)	natAr (167.3, 4745.0)
3278.5 (3.5)	74Ge (574.7, 253.7)	3365.5 (3.1)	141Pr (176.9, 140.9)
3281.3 (7.5)	139La (5097.7, 4842.7)	3367.6 (52.9)	9Be (6809.4, 3367.6)
3283.9 (2.6)	146Nd (314.7, 78.0)	3368.3 (3.5)	31P (3900.3, 2154.2)
3285.3 (2.8)	141Pr (176.9, 140.9)	3370.0 (2.1)	61Ni (1172.8, 875.6)
3286.3 (3.6)	78Se (6866.8, 5873.8)	3370.4 (7.0)	natS (841.1, 5420.5)
3287.0 (2.6)	102Ru (174.0, 136.1)	3370.5 (5.8)	23Na (472.4, 6395.4)
3287.2 (2.4)	67Zn (1077.3, 1883.1)	3371.8 (8.6)	152Sm (127.3, 35.8)
3288.0 (58.2)	110Pd (4902.5, 3488.0)	3375.0 (2.8)	natCl (1950.9, 6110.9)
3288.1 (21.6)	232Th (3473.0, 566.6)	3375.5 (3.1)	70Ge (499.9, 174.9)
3288.9 (2.7)	199Hg (367.9, 5967.4)	3376.2 (3.5)	186W (59.2, 145.8)
3289.1 (7.2)	100Mo (180.7, 237.6)	3377.2 (50.7)	128Te (3721.8, 3702.9)
3290.8 (2.0)	102Ru (174.0, 136.1)	3377.6 (3.9)	50V (1609.2, 1776.6)
3295.3 (8.9)	232Th (3473.0, 566.6)	3377.9 (24.2)	232Th (3473.0, 566.6)
3295.9 (3.0)	180Hf (5695.9, 5649.7)	3380.0 (2.3)	54Fe (9297.8, 412.0)
3300.9 (3.4)	104Ru (143.2, 159.3)	3382.6 (33.3)	150Nd (189.1, 57.7)
3301.1 (18.3)	natMg (3916.7, 2828.1)	3383.4 (3.5)	139La (5097.7, 4842.7)
3301.4 (2.3)	89Y (6080.5, 776.7)	3387.0 (3.0)	86Sr (484.8, 8039.2)
3302.9 (3.2)	74Ge (574.7, 253.7)	3387.4 (25.5)	176Yb (104.5, 151.6)
3303.0 (4.0)	27Al (7723.9, 2960.0)	3391.1 (9.1)	232Th (3473.0, 566.6)
3303.5 (5.8)	88Sr (1032.0, 934.5)	3392.6 (85.0)	86Kr (1475.9, 3392.6)
3307.1 (2.7)	141Pr (176.9, 140.9)	3393.6 (9.9)	192Os (5276.0, 5583.3)
3310.4 (3.2)	142Ce (4337.8, 766.0)	3394.8 (2.0)	146Nd (314.7, 78.0)
3312.7 (5.5)	146Nd (314.7, 78.0)	3395.0 (2.1)	136Ba (1897.5, 4720.0)
3314.5 (4.4)	186W (59.2, 145.8)	3395.4 (2.4)	139La (5097.7, 4842.7)
3318.1 (2.5)	31P (3900.3, 2154.2)	3396.2 (6.9)	209Bi (319.7, 162.2)
3319.0 (4.8)	139La (5097.7, 4842.7)	3398.3 (30.9)	232Th (3473.0, 566.6)
3320.1 (5.4)	102Ru (174.0, 136.1)	3398.8 (4.0)	78Se (6866.8, 5873.8)
3321.6 (4.2)	86Sr (484.8, 8039.2)	3399.0 (5.4)	248Cm (1408.3, 1622.9)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
3399.6 (2.2)	55Mn(26.6,7243.8)	3459.9 (2.9)	139La(5097.7,4842.7)
3403.8 (2.7)	47Ti(983.5,1312.1)	3461.6 (12.5)	232Th(3473.0,566.6)
3404.6 (4.4)	176Yb(104.5,151.6)	3463.8 (3.4)	86Sr(484.8,8039.2)
3404.8 (2.5)	139La(5097.7,4842.7)	3465.1 (22.5)	27Al(7723.9,2960.0)
3405.7 (3.4)	104Ru(143.2,159.3)	3466.7 (69.5)	50Ti(1166.6,5206.1)
3406.6 (8.7)	100Ru(6267.0,5302.7)	3467.3 (2.5)	141Pr(176.9,140.9)
3409.1 (17.6)	55Mn(26.6,7243.8)	3469.4 (14.9)	186W(59.2,145.8)
3410.7 (2.5)	78Se(6866.8,5873.8)	3472.2 (4.0)	78Se(6866.8,5873.8)
3411.2 (2.0)	81Br(29.1,287.7)	3473.0(100.0)	232Th(3473.0,566.6)
3411.6 (2.5)	23Na(472.4,6395.4)	3473.9 (4.4)	47Ti(983.5,1312.1)
3412.9 (5.6)	56Fe(7631.2,7645.6)	3475.0 (31.1)	90Zr(1466.0,1205.0)
3413.6 (13.3)	natMg(3916.7,2828.1)	3475.0 (2.6)	104Ru(143.2,159.3)
3416.3 (7.1)	148Nd(165.1,138.4)	3477.1 (6.4)	139La(5097.7,4842.7)
3417.0 (5.3)	164Dy(184.3,538.5)	3480.7 (2.8)	130Te(295.9,3346.9)
3417.2 (2.7)	139La(5097.7,4842.7)	3482.1 (2.3)	31P(3900.3,2154.2)
3417.6 (14.1)	130Te(295.9,3346.9)	3482.5 (4.8)	104Ru(143.2,159.3)
3420.6 (3.2)	100Mo(180.7,237.6)	3483.0 (2.3)	76Se(239.0,520.6)
3422.3 (8.6)	170Yb(6614.7,804.7)	3485.5 (5.2)	192Os(5276.0,5583.3)
3423.3 (3.1)	180Hf(5695.9,5649.7)	3485.7 (10.1)	148Nd(165.1,138.4)
3423.3 (2.0)	186W(59.2,145.8)	3488.0 (89.6)	110Pd(4902.5,3488.0)
3424.3 (3.4)	139La(5097.7,4842.7)	3488.7 (56.3)	19F(582.2,3589.3)
3424.6 (46.0)	136Xe(601.0,3424.6)	3488.8 (2.5)	139La(5097.7,4842.7)
3425.4 (8.5)	139La(5097.7,4842.7)	3491.9 (2.5)	180Hf(5695.9,5649.7)
3426.0 (7.5)	176Yb(104.5,151.6)	3492.3 (4.0)	104Ru(143.2,159.3)
3426.9 (2.1)	141Pr(176.9,140.9)	3492.5 (7.9)	186W(59.2,145.8)
3427.1 (4.4)	78Se(6866.8,5873.8)	3493.6 (4.9)	192Os(5276.0,5583.3)
3427.7 (2.1)	122Te(158.9,439.9)	3498.1 (7.0)	150Nd(189.1,57.7)
3428.8 (4.5)	natCl(1950.9,6110.9)	3498.2 (2.8)	176Yb(104.5,151.6)
3429.4 (2.6)	65Cu(186.0,465.2)	3498.9 (3.0)	55Mn(26.6,7243.8)
3430.0 (2.1)	146Nd(314.7,78.0)	3498.9 (2.5)	180Hf(5695.9,5649.7)
3433.1 (2.4)	88Sr(1032.0,934.5)	3499.0 (44.8)	110Pd(4902.5,3488.0)
3435.0 (2.0)	140Ce(662.0,4766.6)	3502.0 (3.1)	136Ba(1897.5,4720.0)
3435.0 (4.0)	88Sr(1032.0,934.5)	3502.2 (3.0)	74Ge(574.7,253.7)
3436.1 (35.3)	232Th(3473.0,566.6)	3502.7 (2.9)	51V(22.8,125.1)
3436.2 (2.5)	135Ba(818.7,1261.8)	3503.1 (8.6)	232Th(3473.0,566.6)
3436.2 (2.1)	137Ba(1435.9,5730.8)	3504.0 (2.1)	137Ba(1435.9,5730.8)
3436.4 (5.6)	56Fe(7631.2,7645.6)	3504.7 (3.3)	23Na(472.4,6395.4)
3436.6 (3.2)	180Hf(5695.9,5649.7)	3506.1 (7.9)	104Ru(143.2,159.3)
3437.8 (3.5)	139La(5097.7,4842.7)	3506.6 (10.4)	192Os(5276.0,5583.3)
3442.2 (6.0)	139La(5097.7,4842.7)	3508.6 (6.8)	88Sr(1032.0,934.5)
3443.3 (3.3)	186W(59.2,145.8)	3509.4 (3.6)	146Nd(314.7,78.0)
3443.5 (18.2)	9Be(6809.4,3367.6)	3509.5 (23.7)	232Th(3473.0,566.6)
3444.1 (5.6)	31P(3900.3,2154.2)	3509.7 (19.4)	248Cm(1408.3,1622.9)
3444.9 (37.4)	248Cm(1408.3,1622.9)	3510.5 (3.0)	186W(59.2,145.8)
3448.0 (2.9)	148Nd(165.1,138.4)	3516.1 (11.6)	100Ru(6267.0,5302.7)
3448.5 (37.9)	232Th(3473.0,566.6)	3517.0 (2.9)	142Ce(4337.8,766.0)
3450.1 (3.4)	248Cm(1408.3,1622.9)	3519.7 (9.6)	192Os(5276.0,5583.3)
3451.1 (10.1)	146Nd(314.7,78.0)	3520.3 (2.2)	natK(770.3,2073.6)
3451.9 (2.5)	natAr(167.3,4745.0)	3522.3 (20.1)	19F(582.2,3589.3)
3452.3 (6.4)	192Os(5276.0,5583.3)	3522.7 (7.6)	63Ni(1345.8,9656.9)
3452.6 (3.4)	natK(770.3,2073.6)	3522.8 (82.4)	31P(3900.3,2154.2)
3452.9 (4.7)	186W(59.2,145.8)	3523.1 (10.6)	232Th(3473.0,566.6)
3457.5 (2.7)	78Se(6866.8,5873.8)	3524.4 (29.9)	110Pd(4902.5,3488.0)
3458.1 (47.4)	92Zr(1426.8,5312.2)	3525.7 (2.9)	142Ce(4337.8,766.0)
3458.9 (3.1)	45Sc(227.8,142.5)	3526.9 (18.9)	232Th(3473.0,566.6)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
3529.2 (3.5)	83Kr(881.7,1213.4)	3599.5 (2.5)	natCl(1950.9,6110.9)
3529.7 (6.1)	186W(59.2,145.8)	3599.7 (2.2)	50V(1609.2,1776.6)
3530.1 (24.9)	232Th(3473.0,566.6)	3600.3 (10.9)	170Yb(6614.7,804.7)
3531.7 (2.6)	104Ru(143.2,159.3)	3600.9 (8.2)	232Th(3473.0,566.6)
3532.1 (32.9)	natN(5269.2,1884.8)	3602.5 (6.1)	141Pr(176.9,140.9)
3532.8 (2.2)	141Pr(176.9,140.9)	3603.5 (13.4)	232Th(3473.0,566.6)
3534.1 (2.3)	51V(22.8,125.1)	3606.5 (8.2)	139La(5097.7,4842.7)
3534.3 (7.3)	186W(59.2,145.8)	3607.5 (3.3)	74Ge(574.7,253.7)
3535.3 (6.4)	192Os(5276.0,5583.3)	3610.0 (8.1)	139La(5097.7,4842.7)
3535.3 (3.2)	141Pr(176.9,140.9)	3610.2 (8.7)	natCa(1942.0,6419.9)
3537.8 (14.5)	100Mo(180.7,237.6)	3610.6 (2.3)	31P(3900.3,2154.2)
3538.1 (3.0)	130Te(295.9,3346.9)	3611.9 (2.3)	238U(12.0,133.8)
3538.3 (51.3)	248Cm(1408.3,1622.9)	3614.5 (2.5)	78Se(6866.8,5873.8)
3538.7 (2.9)	74Ge(574.7,253.7)	3615.3 (7.7)	232Th(3473.0,566.6)
3539.1(100.0)	natSi(3539.1,4934.4)	3616.6 (6.2)	52Cr(7938.6,564.0)
3539.5 (2.2)	104Ru(143.2,159.3)	3617.9 (2.9)	148Nd(165.1,138.4)
3540.0 (2.7)	57Fe(810.5,863.6)	3619.7 (4.0)	140Ce(662.0,4766.6)
3542.5 (2.3)	150Nd(189.1,57.7)	3623.1 (3.0)	45Sc(227.8,142.5)
3546.3 (10.1)	natK(770.3,2073.6)	3624.0 (74.6)	110Pd(4902.5,3488.0)
3548.0 (2.5)	170Er(197.9,904.0)	3626.8 (3.8)	55Mn(26.6,7243.8)
3548.1 (7.0)	232Th(3473.0,566.6)	3628.6 (2.6)	170Er(197.9,904.0)
3549.7 (3.5)	141Pr(176.9,140.9)	3630.3 (29.6)	19F(582.2,3589.3)
3550.4 (2.6)	76Se(239.0,520.6)	3632.3 (4.3)	174Yb(514.9,5266.7)
3551.0 (5.6)	31P(3900.3,2154.2)	3632.9 (5.3)	209Bi(319.7,162.2)
3551.6 (11.6)	92Zr(1426.8,5312.2)	3635.3 (10.1)	232Th(3473.0,566.6)
3552.0 (2.1)	54Fe(9297.8,412.0)	3635.5 (2.2)	74Ge(574.7,253.7)
3552.0 (3.4)	100Mo(180.7,237.6)	3638.3 (3.9)	86Sr(484.8,8039.2)
3553.3 (4.4)	74Ge(574.7,253.7)	3639.5 (22.1)	92Zr(1426.8,5312.2)
3554.1 (7.7)	180Hf(5695.9,5649.7)	3641.4 (20.0)	138Ba(627.3,4096.1)
3558.6 (2.6)	54Cr(6246.4,241.9)	3642.3 (3.4)	55Mn(26.6,7243.8)
3560.5 (2.5)	27Al(7723.9,2960.0)	3644.4 (3.7)	86Sr(484.8,8039.2)
3560.6 (18.6)	248Cm(1408.3,1622.9)	3644.4 (2.9)	23Na(472.4,6395.4)
3561.0 (2.0)	86Sr(484.8,8039.2)	3647.0 (4.0)	158Gd(5942.0,5434.0)
3561.1 (4.4)	natCl(1950.9,6110.9)	3650.2 (5.6)	141Pr(176.9,140.9)
3561.6 (9.8)	186W(59.2,145.8)	3650.9 (3.6)	27Al(7723.9,2960.0)
3572.6 (11.7)	100Mo(180.7,237.6)	3651.2 (3.5)	natK(770.3,2073.6)
3573.1 (4.3)	142Ce(4337.8,766.0)	3652.6 (2.0)	81Br(29.1,287.7)
3575.0 (14.8)	150Sm(167.8,5281.1)	3654.2 (4.8)	232Th(3473.0,566.6)
3575.0 (48.0)	151Sm(3751.0,4399.0)	3654.5 (5.2)	141Pr(176.9,140.9)
3576.8 (2.2)	44Ca(174.3,5515.0)	3655.8 (10.1)	102Ru(174.0,136.1)
3577.2 (4.6)	186W(59.2,145.8)	3661.4 (5.7)	natSi(3539.1,4934.4)
3577.4 (7.5)	170Er(197.9,904.0)	3663.5 (15.1)	248Cm(1408.3,1622.9)
3578.1 (3.2)	51V(22.8,125.1)	3664.4 (2.3)	141Pr(176.9,140.9)
3580.6 (2.4)	55Mn(26.6,7243.8)	3665.6 (20.1)	139La(5097.7,4842.7)
3582.5 (2.3)	141Pr(176.9,140.9)	3667.8 (8.3)	171Yb(5538.8,5690.9)
3583.1 (6.7)	238U(12.0,133.8)	3668.8 (12.5)	192Os(5276.0,5583.3)
3585.7 (3.1)	natCa(1942.0,6419.9)	3674.0 (2.5)	81Br(29.1,287.7)
3588.0 (25.0)	23Na(472.4,6395.4)	3675.3 (5.7)	102Ru(174.0,136.1)
3588.6 (8.2)	150Nd(189.1,57.7)	3676.0 (4.0)	151Sm(3751.0,4399.0)
3589.0 (2.6)	136Ba(1897.5,4720.0)	3677.8 (52.7)	natN(5269.2,1884.8)
3589.3 (85.3)	19F(582.2,3589.3)	3677.8 (3.2)	86Sr(484.8,8039.2)
3591.1 (15.0)	27Al(7723.9,2960.0)	3678.4 (2.5)	141Pr(176.9,140.9)
3593.3 (2.5)	142Nd(742.1,563.8)	3679.6 (20.6)	139La(5097.7,4842.7)
3594.0 (3.2)	31P(3900.3,2154.2)	3682.7 (4.7)	78Se(6866.8,5873.8)
3596.4 (2.3)	139La(5097.7,4842.7)	3683.9 (4.8)	139La(5097.7,4842.7)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
3683.9 (47.5)	natC(4945.3,3683.9)	3747.3 (2.6)	146Nd(314.7,78.0)
3685.0 (3.0)	46Ti(158.6,1391.5)	3748.3 (3.9)	80Se(467.7,6233.0)
3688.7 (2.2)	86Sr(484.8,8039.2)	3749.2 (2.9)	59Co(58.9,229.7)
3689.1 (3.3)	natK(770.3,2073.6)	3749.4 (2.9)	102Ru(174.0,136.1)
3690.1 (3.7)	130Te(295.9,3346.9)	3750.7 (31.6)	248Cm(1408.3,1622.9)
3691.4 (5.2)	139La(5097.7,4842.7)	3751.0 (30.9)	150Sm(167.8,5281.1)
3696.0 (2.7)	natK(770.3,2073.6)	3751.0 (100.0)	151Sm(3751.0,4399.0)
3696.5 (2.7)	150Nd(189.1,57.7)	3752.3 (2.4)	55Mn(26.6,7243.8)
3698.7 (17.5)	100Mo(180.7,237.6)	3753.0 (2.3)	170Yb(6614.7,804.7)
3698.7 (2.8)	130Te(295.9,3346.9)	3753.3 (3.2)	192Os(5276.0,5583.3)
3700.4 (12.3)	natAr(167.3,4745.0)	3753.8 (2.5)	180Hf(5695.9,5649.7)
3700.6 (2.1)	76Se(239.0,520.6)	3755.1 (17.5)	232Th(3473.0,566.6)
3702.1 (4.7)	248Cm(1408.3,1622.9)	3759.1 (3.7)	150Nd(189.1,57.7)
3702.9 (52.7)	128Te(3721.8,3702.9)	3759.7 (3.6)	natCa(1942.0,6419.9)
3704.4 (2.3)	72Ge(326.0,6390.2)	3760.8 (2.8)	186W(59.2,145.8)
3709.0 (2.0)	122Te(158.9,439.9)	3761.3 (4.2)	74Ge(574.7,253.7)
3710.2 (3.0)	186W(59.2,145.8)	3761.7 (7.1)	104Ru(143.2,159.3)
3710.3 (2.9)	70Ge(499.9,174.9)	3762.1 (11.3)	100Mo(180.7,237.6)
3711.7 (10.7)	100Mo(180.7,237.6)	3764.9 (3.1)	102Ru(174.0,136.1)
3712.0 (23.9)	110Pd(4902.5,3488.0)	3765.2 (2.9)	168Er(64.6,4908.8)
3712.0 (15.1)	160Gd(5280.0,394.7)	3767.8 (13.6)	171Yb(5538.8,5690.9)
3712.6 (7.7)	232Th(3473.0,566.6)	3768.2 (2.8)	31P(3900.3,2154.2)
3713.7 (4.7)	141Pr(176.9,140.9)	3768.7 (5.6)	146Nd(314.7,78.0)
3714.0 (12.3)	150Sm(167.8,5281.1)	3771.9 (2.4)	141Pr(176.9,140.9)
3714.0 (39.7)	151Sm(3751.0,4399.0)	3774.8 (2.5)	186W(59.2,145.8)
3714.4 (2.5)	174Yb(514.9,5266.7)	3777.0 (2.5)	136Ba(1897.5,4720.0)
3714.6 (2.1)	137Ba(1435.9,5730.8)	3778.6 (8.3)	100Mo(180.7,237.6)
3714.9 (4.1)	102Ru(174.0,136.1)	3783.7 (4.4)	168Er(64.6,4908.8)
3718.3 (5.7)	139La(5097.7,4842.7)	3784.3 (3.7)	86Sr(484.8,8039.2)
3719.0 (3.5)	144Nd(852.8,4836.9)	3785.0 (4.9)	158Gd(5942.0,5434.0)
3719.8 (5.0)	53Cr(834.8,8884.2)	3787.0 (23.4)	160Gd(5280.0,394.7)
3720.7 (2.1)	104Ru(143.2,159.3)	3787.5 (2.7)	102Ru(174.0,136.1)
3721.8 (100.0)	128Te(3721.8,3702.9)	3787.6 (4.4)	78Se(6866.8,5873.8)
3723.1 (3.7)	natS(841.1,5420.5)	3788.5 (24.6)	88Sr(1032.0,934.5)
3724.3 (2.6)	102Ru(174.0,136.1)	3789.2 (5.0)	148Nd(165.1,138.4)
3725.2 (2.0)	103Rh(217.9,5346.6)	3789.4 (3.1)	27Al(7723.9,2960.0)
3725.2 (14.1)	232Th(3473.0,566.6)	3789.9 (3.1)	72Ge(326.0,6390.2)
3727.0 (2.3)	170Yb(6614.7,804.7)	3790.4 (14.5)	141Pr(176.9,140.9)
3727.7 (11.1)	139La(5097.7,4842.7)	3792.0 (2.7)	54Fe(9297.8,412.0)
3732.8 (2.7)	180Hf(5695.9,5649.7)	3793.8 (3.3)	78Se(6866.8,5873.8)
3732.9 (3.9)	78Se(6866.8,5873.8)	3796.1 (10.9)	248Cm(1408.3,1622.9)
3735.3 (2.5)	139La(5097.7,4842.7)	3798.7 (7.0)	192Os(5276.0,5583.3)
3735.3 (4.6)	192Os(5276.0,5583.3)	3799.1 (4.5)	180Hf(5695.9,5649.7)
3735.6 (17.5)	232Th(3473.0,566.6)	3799.1 (2.1)	45Sc(227.8,142.5)
3737.6 (2.4)	natK(770.3,2073.6)	3802.7 (10.3)	232Th(3473.0,566.6)
3738.6 (5.1)	139La(5097.7,4842.7)	3804.0 (2.0)	71Ga(145.1,192.0)
3738.7 (6.5)	108Pd(113.4,245.1)	3809.5 (2.3)	234U(637.8,129.3)
3739.3 (4.9)	186W(59.2,145.8)	3810.0 (2.3)	170Yb(6614.7,804.7)
3740.5 (2.5)	176Yb(104.5,151.6)	3811.6 (2.6)	141Pr(176.9,140.9)
3743.7 (2.8)	natMg(3916.7,2828.1)	3813.1 (3.4)	96Mo(481.0,720.5)
3744.9 (3.4)	139La(5097.7,4842.7)	3813.7 (2.6)	234U(637.8,129.3)
3745.0 (11.6)	192Os(5276.0,5583.3)	3815.0 (5.9)	55Mn(26.6,7243.8)
3745.3 (2.3)	74Ge(574.7,253.7)	3815.1 (11.9)	128Te(3721.8,3702.9)
3746.0 (3.8)	158Gd(5942.0,5434.0)	3817.9 (3.2)	168Er(64.6,4908.8)
3746.2 (14.9)	232Th(3473.0,566.6)	3818.6 (7.2)	192Os(5276.0,5583.3)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
3820.4 (3.2)	55Mn(26.6,7243.8)	3884.5 (18.3)	234U(637.8,129.3)
3821.6 (4.9)	natCl(1950.9,6110.9)	3885.6 (6.9)	226Ra(90.0,64.3)
3822.0 (4.5)	170Yb(6614.7,804.7)	3888.4 (2.2)	148Nd(165.1,138.4)
3822.7 (13.5)	168Er(64.6,4908.8)	3889.8 (3.0)	180Hf(5695.9,5649.7)
3823.1 (2.1)	103Rh(217.9,5346.6)	3891.4 (2.1)	78Se(6866.8,5873.8)
3825.9 (3.6)	natCl(1950.9,6110.9)	3892.6 (3.4)	141Pr(176.9,140.9)
3826.1 (2.1)	74Ge(574.7,253.7)	3893.1 (2.9)	234U(637.8,129.3)
3828.8 (2.0)	180Hf(5695.9,5649.7)	3893.8 (2.4)	146Nd(314.7,78.0)
3830.7 (13.8)	natMg(3916.7,2828.1)	3895.2 (23.2)	76Ge(5912.9,5049.1)
3832.0 (13.8)	160Gd(5280.0,394.7)	3897.7 (3.2)	150Nd(189.1,57.7)
3834.2 (3.4)	234U(637.8,129.3)	3898.4 (6.0)	72Ge(326.0,6390.2)
3837.4 (7.1)	100Mo(180.7,237.6)	3899.1 (5.9)	230Th(185.7,4284.9)
3839.2 (3.1)	232Th(3473.0,566.6)	3900.2 (3.0)	65Cu(186.0,465.2)
3843.6 (2.8)	230Th(185.7,4284.9)	3900.3 (100.0)	31P(3900.3,2154.2)
3845.9 (2.1)	70Ge(499.9,174.9)	3900.7 (3.5)	76Se(239.0,520.6)
3846.8 (3.8)	74Ge(574.7,253.7)	3900.8 (14.5)	192Os(5276.0,5583.3)
3847.0 (3.0)	146Nd(314.7,78.0)	3901.0 (7.8)	139La(5097.7,4842.7)
3848.7 (7.1)	186W(59.2,145.8)	3902.3 (19.0)	181Ta(270.4,5965.0)
3848.7 (8.9)	234U(637.8,129.3)	3902.8 (4.1)	186W(59.2,145.8)
3849.2 (9.3)	27Al(7723.9,2960.0)	3903.0 (2.0)	46Ti(158.6,1391.5)
3849.8 (2.1)	103Rh(217.9,5346.6)	3903.1 (3.0)	78Se(6866.8,5873.8)
3851.6 (12.1)	180Hf(5695.9,5649.7)	3904.3 (7.1)	230Th(185.7,4284.9)
3852.4 (2.3)	72Ge(326.0,6390.2)	3906.9 (3.0)	88Sr(1032.0,934.5)
3854.5 (2.8)	248Cm(1408.3,1622.9)	3908.2 (33.0)	176Yb(104.5,151.6)
3855.1 (2.8)	natN(5269.2,1884.8)	3909.3 (6.0)	234U(637.8,129.3)
3856.5 (7.8)	171Yb(5538.8,5690.9)	3911.1 (4.2)	141Pr(176.9,140.9)
3857.8 (3.3)	55Mn(26.6,7243.8)	3911.5 (4.4)	108Pd(113.4,245.1)
3858.4 (3.1)	234U(637.8,129.3)	3915.1 (15.7)	234U(637.8,129.3)
3859.0 (2.0)	76Se(239.0,520.6)	3916.7 (100.0)	natMg(3916.7,2828.1)
3859.1 (2.2)	103Rh(217.9,5346.6)	3917.7 (8.2)	230Th(185.7,4284.9)
3859.5 (2.7)	70Ge(499.9,174.9)	3920.0 (3.4)	68Zn(1008.0,5474.0)
3859.5 (5.0)	148Nd(165.1,138.4)	3920.5 (3.0)	186W(59.2,145.8)
3859.6 (2.2)	102Ru(174.0,136.1)	3921.5 (4.6)	56Fe(7631.2,7645.6)
3860.0 (2.1)	61Ni(1172.8,875.6)	3921.7 (2.6)	48Ti(1381.7,6760.1)
3862.0 (10.8)	232Th(3473.0,566.6)	3923.1 (2.4)	141Pr(176.9,140.9)
3865.0 (9.0)	176Yb(104.5,151.6)	3923.6 (11.6)	100Ru(6267.0,5302.7)
3866.7 (6.8)	230Th(185.7,4284.9)	3924.9 (22.7)	31P(3900.3,2154.2)
3867.2 (2.2)	232Th(3473.0,566.6)	3925.0 (10.0)	46Ti(158.6,1391.5)
3867.7 (40.3)	110Pd(4902.5,3488.0)	3925.0 (3.2)	150Nd(189.1,57.7)
3871.7 (8.0)	241Pu(5476.9,5289.9)	3925.5 (2.9)	108Pd(113.4,245.1)
3872.0 (3.0)	144Nd(852.8,4836.9)	3927.1 (2.4)	55Mn(26.6,7243.8)
3873.3 (7.2)	184W(4573.6,1181.6)	3929.2 (4.1)	174Yb(514.9,5266.7)
3875.5 (7.8)	27Al(7723.9,2960.0)	3931.4 (3.2)	78Se(6866.8,5873.8)
3876.7 (4.6)	86Sr(484.8,8039.2)	3931.7 (2.4)	natK(770.3,2073.6)
3877.9 (11.9)	168Er(64.6,4908.8)	3931.7 (2.0)	103Rh(217.9,5346.6)
3878.0 (2.2)	45Sc(227.8,142.5)	3933.2 (2.9)	232Th(3473.0,566.6)
3878.0 (2.4)	78Se(6866.8,5873.8)	3934.6 (7.1)	152Sm(127.3,35.8)
3878.5 (9.0)	23Na(472.4,6395.4)	3934.9 (3.5)	74Ge(574.7,253.7)
3881.8 (2.1)	57Fe(810.5,863.6)	3938.5 (6.3)	100Mo(180.7,237.6)
3882.7 (26.0)	181Ta(270.4,5965.0)	3939.0 (8.6)	150Sm(167.8,5281.1)
3882.9 (2.4)	232Th(3473.0,566.6)	3939.0 (30.1)	151Sm(3751.0,4399.0)
3882.9 (2.7)	76Se(239.0,520.6)	3939.0 (6.0)	234U(637.8,129.3)
3884.0 (10.9)	160Gd(5280.0,394.7)	3940.1 (2.6)	168Er(64.6,4908.8)
3884.0 (7.7)	174Yb(514.9,5266.7)	3941.1 (5.7)	171Yb(5538.8,5690.9)
3884.3 (2.8)	natN(5269.2,1884.8)	3943.5 (5.2)	152Sm(127.3,35.8)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
3946.2(4.1)	230Th(185.7,4284.9)	4008.0(3.7)	72Ge(326.0,6390.2)
3946.4(42.4)	232Th(3473.0,566.6)	4008.5(16.1)	76Ge(5912.9,5049.1)
3947.1(7.0)	102Ru(174.0,136.1)	4008.8(12.2)	102Ru(174.0,136.1)
3948.7(2.1)	103Rh(217.9,5346.6)	4009.0(4.6)	162Dy(351.1,421.9)
3950.9(15.4)	100Mo(180.7,237.6)	4010.5(3.5)	171Yb(5538.8,5690.9)
3951.0(4.4)	158Gd(5942.0,5434.0)	4011.0(26.1)	144Nd(852.8,4836.9)
3951.1(2.9)	139La(5097.7,4842.7)	4012.0(3.8)	74Ge(574.7,253.7)
3953.0(11.1)	150Sm(167.8,5281.1)	4012.0(2.2)	205Tl(304.9,266.1)
3953.0(35.1)	151Sm(3751.0,4399.0)	4012.2(2.5)	141Pr(176.9,140.9)
3954.8(11.2)	148Nd(165.1,138.4)	4015.6(2.2)	27Al(7723.9,2960.0)
3955.1(3.3)	natSi(3539.1,4934.4)	4015.9(2.4)	93Nb(99.4,255.9)
3957.2(2.9)	171Yb(5538.8,5690.9)	4016.6(5.5)	232Th(3473.0,566.6)
3957.7(3.2)	180Hf(5695.9,5649.7)	4017.0(13.6)	150Sm(167.8,5281.1)
3958.5(54.4)	230Th(185.7,4284.9)	4017.0(44.0)	151Sm(3751.0,4399.0)
3960.0(2.3)	natK(770.3,2073.6)	4018.2(2.5)	186W(59.2,145.8)
3960.3(2.4)	31P(3900.3,2154.2)	4022.9(6.6)	248Cm(1408.3,1622.9)
3961.0(2.0)	46Ti(158.6,1391.5)	4023.1(2.5)	146Nd(314.7,78.0)
3961.4(2.1)	78Se(6866.8,5873.8)	4023.4(3.0)	103Rh(217.9,5346.6)
3962.0(2.4)	158Gd(5942.0,5434.0)	4023.9(3.8)	230Th(185.7,4284.9)
3962.6(5.2)	230Th(185.7,4284.9)	4025.0(8.9)	234U(637.8,129.3)
3965.1(3.8)	186W(59.2,145.8)	4025.6(14.3)	102Ru(174.0,136.1)
3968.4(2.3)	76Se(239.0,520.6)	4026.0(11.9)	188Os(5414.9,343.5)
3969.6(2.7)	103Rh(217.9,5346.6)	4027.8(3.8)	96Mo(481.0,720.5)
3971.8(7.2)	232Th(3473.0,566.6)	4028.6(7.9)	171Yb(5538.8,5690.9)
3972.0(2.1)	68Zn(1008.0,5474.0)	4031.8(3.1)	234U(637.8,129.3)
3973.0(2.5)	76Se(239.0,520.6)	4032.8(2.7)	70Ge(499.9,174.9)
3974.4(6.8)	170Yb(6614.7,804.7)	4033.1(12.0)	181Ta(270.4,5965.0)
3975.9(3.4)	171Yb(5538.8,5690.9)	4033.5(18.8)	100Ru(6267.0,5302.7)
3978.6(18.8)	180Hf(5695.9,5649.7)	4033.9(4.9)	108Pd(113.4,245.1)
3978.7(2.2)	natK(770.3,2073.6)	4034.4(9.9)	171Yb(5538.8,5690.9)
3979.4(2.1)	55Mn(26.6,7243.8)	4036.0(2.6)	162Dy(351.1,421.9)
3980.0(12.9)	188Os(5414.9,343.5)	4039.6(43.0)	86Kr(1475.9,3392.6)
3980.6(20.6)	192Os(5276.0,5583.3)	4042.0(7.2)	144Nd(852.8,4836.9)
3981.1(4.9)	natCl(1950.9,6110.9)	4042.8(10.0)	128Te(3721.8,3702.9)
3981.8(6.8)	230Th(185.7,4284.9)	4044.4(4.4)	139La(5097.7,4842.7)
3982.0(31.1)	23Na(472.4,6395.4)	4045.0(10.9)	158Gd(5942.0,5434.0)
3982.1(33.0)	181Ta(270.4,5965.0)	4045.1(18.2)	232Th(3473.0,566.6)
3982.8(4.1)	238U(12.0,133.8)	4045.7(30.0)	181Ta(270.4,5965.0)
3983.0(3.8)	78Se(6866.8,5873.8)	4048.5(13.5)	100Mo(180.7,237.6)
3983.0(24.3)	90Zr(1466.0,1205.0)	4053.4(7.5)	192Os(5276.0,5583.3)
3989.0(2.0)	71Ga(145.1,192.0)	4053.9(28.0)	181Ta(270.4,5965.0)
3991.1(2.1)	70Ge(499.9,174.9)	4054.2(3.5)	natCl(1950.9,6110.9)
3991.4(3.8)	238U(12.0,133.8)	4054.6(3.1)	170Er(197.9,904.0)
3991.6(2.1)	122Te(158.9,439.9)	4054.7(49.6)	209Bi(319.7,162.2)
3991.7(7.2)	142Ce(4337.8,766.0)	4056.3(4.5)	171Yb(5538.8,5690.9)
3992.3(3.8)	86Sr(484.8,8039.2)	4059.1(8.0)	78Se(6866.8,5873.8)
3992.8(2.9)	192Os(5276.0,5583.3)	4059.4(3.3)	45Sc(227.8,142.5)
3995.2(4.6)	234U(637.8,129.3)	4059.7(6.7)	192Os(5276.0,5583.3)
3996.0(8.0)	98Mo(97.6,351.0)	4060.0(4.4)	139La(5097.7,4842.7)
3996.2(13.4)	44Ca(174.3,5515.0)	4060.4(22.8)	238U(12.0,133.8)
3998.5(4.6)	171Yb(5538.8,5690.9)	4061.8(3.2)	natK(770.3,2073.6)
4000.1(5.4)	78Se(6866.8,5873.8)	4062.3(6.1)	72Ge(326.0,6390.2)
4000.5(4.6)	234U(637.8,129.3)	4062.4(13.6)	230Th(185.7,4284.9)
4002.8(3.0)	natK(770.3,2073.6)	4063.6(4.5)	171Yb(5538.8,5690.9)
4006.1(6.5)	168Er(64.6,4908.8)	4065.3(6.9)	102Ru(174.0,136.1)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
4065.4 (5.3)	180Hf(5695.9,5649.7)	4134.0 (3.8)	141Pr(176.9,140.9)
4066.0 (3.4)	108Pd(113.4,245.1)	4135.1 (3.1)	103Rh(217.9,5346.6)
4069.0 (6.7)	192Os(5276.0,5583.3)	4135.9 (2.1)	168Er(64.6,4908.8)
4069.3 (2.0)	146Nd(314.7,78.0)	4136.1 (3.0)	186W(59.2,145.8)
4072.0 (5.1)	68Zn(1008.0,5474.0)	4136.4 (6.4)	natK(770.3,2073.6)
4073.0 (13.4)	232Th(3473.0,566.6)	4136.9 (12.3)	170Yb(6614.7,804.7)
4074.3 (18.2)	168Er(64.6,4908.8)	4138.0 (39.6)	68Zn(1008.0,5474.0)
4076.6 (6.3)	72Ge(326.0,6390.2)	4138.4 (17.0)	181Ta(270.4,5965.0)
4078.0 (3.7)	162Dy(351.1,421.9)	4139.9 (3.6)	57Fe(810.5,863.6)
4078.4 (13.8)	88Sr(1032.0,934.5)	4142.4 (23.2)	100Ru(6267.0,5302.7)
4078.8 (3.4)	144Sm(5863.0,5149.8)	4142.9 (4.3)	171Yb(5538.8,5690.9)
4081.3 (4.1)	78Se(6866.8,5873.8)	4144.8 (9.1)	170Yb(6614.7,804.7)
4082.1 (4.9)	192Os(5276.0,5583.3)	4145.0 (7.4)	160Gd(5280.0,394.7)
4082.8 (3.4)	natCl(1950.9,6110.9)	4146.8 (2.0)	31P(3900.3,2154.2)
4083.8 (4.4)	186W(59.2,145.8)	4150.0 (5.5)	176Yb(104.5,151.6)
4085.1 (2.6)	230Th(185.7,4284.9)	4150.6 (3.1)	150Nd(189.1,57.7)
4090.0 (13.0)	160Gd(5280.0,394.7)	4151.3 (85.7)	240Pu(4276.5,4151.3)
4091.0 (4.2)	86Sr(484.8,8039.2)	4154.7 (2.5)	168Er(64.6,4908.8)
4091.7 (2.1)	171Yb(5538.8,5690.9)	4154.8 (27.1)	234U(637.8,129.3)
4096.1 (60.0)	138Ba(627.3,4096.1)	4157.0 (7.9)	150Sm(167.8,5281.1)
4096.7 (19.3)	230Th(185.7,4284.9)	4157.4 (6.3)	230Th(185.7,4284.9)
4097.5 (4.0)	184W(4573.6,1181.6)	4157.9 (23.0)	181Ta(270.4,5965.0)
4101.8 (2.0)	172Yb(399.4,116.1)	4158.4 (4.1)	186W(59.2,145.8)
4101.8 (29.8)	209Bi(319.7,162.2)	4159.1 (2.2)	102Ru(174.0,136.1)
4102.0 (6.0)	158Gd(5942.0,5434.0)	4159.7 (2.5)	81Br(29.1,287.7)
4102.0 (4.3)	171Yb(5538.8,5690.9)	4160.0 (2.4)	183W(111.2,903.3)
4102.6 (12.0)	181Ta(270.4,5965.0)	4163.0 (3.2)	171Yb(5538.8,5690.9)
4103.1 (16.6)	234U(637.8,129.3)	4163.3 (15.0)	144Nd(852.8,4836.9)
4103.7 (2.2)	55Mn(26.6,7243.8)	4163.8 (2.3)	168Er(64.6,4908.8)
4104.6 (3.6)	232Th(3473.0,566.6)	4163.9 (3.4)	141Pr(176.9,140.9)
4105.4 (4.8)	168Er(64.6,4908.8)	4164.0 (2.4)	64Zn(7863.0,751.0)
4106.0 (3.5)	139La(5097.7,4842.7)	4165.1 (4.5)	209Bi(319.7,162.2)
4106.0 (15.3)	68Zn(1008.0,5474.0)	4166.9 (2.6)	102Ru(174.0,136.1)
4106.7 (38.3)	100Mo(180.7,237.6)	4168.3 (10.6)	234U(637.8,129.3)
4107.8 (7.3)	89Y(6080.5,776.7)	4168.4 (5.0)	170Yb(6614.7,804.7)
4111.0 (2.0)	171Yb(5538.8,5690.9)	4171.1 (61.6)	209Bi(319.7,162.2)
4112.0 (6.0)	160Gd(5280.0,394.7)	4172.7 (22.0)	181Ta(270.4,5965.0)
4112.0 (2.6)	234U(637.8,129.3)	4173.1 (2.6)	45Sc(227.8,142.5)
4114.0 (18.7)	230Th(185.7,4284.9)	4173.3 (3.1)	44Ca(174.3,5515.0)
4114.2 (3.5)	150Nd(189.1,57.7)	4173.8 (51.6)	50Ti(1166.6,5206.1)
4116.9 (7.8)	51V(22.8,125.1)	4174.3 (73.1)	110Pd(4902.5,3488.0)
4117.2 (2.1)	65Cu(186.0,465.2)	4174.8 (2.2)	76Se(239.0,520.6)
4118.1 (9.0)	181Ta(270.4,5965.0)	4174.8 (16.0)	104Ru(143.2,159.3)
4118.8 (2.6)	186W(59.2,145.8)	4176.5 (8.7)	100Ru(6267.0,5302.7)
4120.2 (8.2)	170Yb(6614.7,804.7)	4177.0 (4.0)	141Pr(176.9,140.9)
4122.4 (4.6)	150Nd(189.1,57.7)	4178.0 (4.4)	226Ra(90.0,64.3)
4124.1 (6.9)	164Dy(184.3,538.5)	4182.2 (6.2)	184W(4573.6,1181.6)
4125.3 (2.7)	139La(5097.7,4842.7)	4182.5 (5.1)	230Th(185.7,4284.9)
4127.2 (23.9)	19F(582.2,3589.3)	4183.7 (4.8)	150Nd(189.1,57.7)
4129.1 (3.4)	108Pd(113.4,245.1)	4185.4 (4.4)	170Er(197.9,904.0)
4129.3 (2.6)	78Se(6866.8,5873.8)	4185.9 (2.5)	76Se(239.0,520.6)
4129.6 (2.4)	31P(3900.3,2154.2)	4187.0 (17.4)	100Ru(6267.0,5302.7)
4130.3 (2.0)	93Nb(99.4,255.9)	4187.0 (35.8)	150Sm(167.8,5281.1)
4133.3 (23.4)	27Al(7723.9,2960.0)	4187.8 (2.4)	23Na(472.4,6395.4)
4133.4 (6.1)	58Fe(287.0,6293.6)	4193.2 (53.8)	76Ge(5912.9,5049.1)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
4194.3 (4.1)	74Ge (574.7, 253.7)	4246.5 (35.5)	176Yb (104.5, 151.6)
4197.0 (2.0)	71Ga (145.1, 192.0)	4246.9 (14.9)	232Th (3473.0, 566.6)
4197.5 (3.3)	203Tl (139.9, 319.3)	4247.3 (3.1)	130Te (295.9, 3346.9)
4198.2 (9.9)	192Os (5276.0, 5583.3)	4249.0 (55.9)	182W (6190.0, 4249.0)
4198.3 (2.7)	65Cu (186.0, 465.2)	4249.6 (16.1)	186W (59.2, 145.8)
4199.5 (4.0)	148Nd (165.1, 138.4)	4249.6 (2.1)	103Rh (217.9, 5346.6)
4199.9 (17.7)	19F (582.2, 3589.3)	4250.0 (2.6)	71Ga (145.1, 192.0)
4200.0 (16.5)	31P (3900.3, 2154.2)	4250.1 (7.0)	192Os (5276.0, 5583.3)
4200.4 (2.3)	180Hf (5695.9, 5649.7)	4251.0 (8.1)	150Sm (167.8, 5281.1)
4200.7 (5.8)	100Ru (6267.0, 5302.7)	4252.1 (2.3)	137Ba (1435.9, 5730.8)
4201.0 (4.3)	natK (770.3, 2073.6)	4252.1 (3.5)	141Pr (176.9, 140.9)
4202.0 (15.6)	232Th (3473.0, 566.6)	4252.8 (6.4)	171Yb (5538.8, 5690.9)
4203.2 (5.0)	122Te (158.9, 439.9)	4255.0 (21.3)	160Gd (5280.0, 394.7)
4204.0 (3.6)	86Sr (484.8, 8039.2)	4257.1 (8.8)	209Bi (319.7, 162.2)
4204.2 (16.3)	92Zr (1426.8, 5312.2)	4259.5 (21.9)	27Al (7723.9, 2960.0)
4211.0 (5.3)	150Sm (167.8, 5281.1)	4260.4 (18.3)	19F (582.2, 3589.3)
4213.8 (3.1)	232Th (3473.0, 566.6)	4260.8 (7.2)	102Ru (174.0, 136.1)
4216.5 (3.2)	natMg (3916.7, 2828.1)	4262.6 (11.1)	92Zr (1426.8, 5312.2)
4216.6 (9.0)	104Ru (143.2, 159.3)	4262.7 (4.3)	234U (637.8, 129.3)
4217.0 (10.5)	241Pu (5476.9, 5289.9)	4263.1 (9.0)	86Sr (484.8, 8039.2)
4217.3 (7.2)	243Am (87.7, 75.3)	4264.6 (2.5)	171Yb (5538.8, 5690.9)
4217.9 (5.8)	72Ge (326.0, 6390.2)	4268.0 (3.0)	162Dy (351.1, 421.9)
4218.0 (23.3)	56Fe (7631.2, 7645.6)	4268.5 (3.8)	55Mn (26.6, 7243.8)
4218.1 (7.5)	102Ru (174.0, 136.1)	4269.9 (16.0)	102Ru (174.0, 136.1)
4218.7 (32.7)	184W (4573.6, 1181.6)	4271.7 (10.3)	171Yb (5538.8, 5690.9)
4219.0 (29.3)	248Cm (1408.3, 1622.9)	4271.7 (2.8)	230Th (185.7, 4284.9)
4219.5 (3.1)	168Er (64.6, 4908.8)	4273.6 (2.6)	103Rh (217.9, 5346.6)
4219.8 (27.0)	181Ta (270.4, 5965.0)	4274.0 (32.3)	156Gd (5268.0, 6359.6)
4220.3 (8.2)	171Yb (5538.8, 5690.9)	4274.2 (3.9)	78Se (6866.8, 5873.8)
4221.0 (4.7)	158Gd (5942.0, 5434.0)	4276.5 (100.0)	240Pu (4276.5, 4151.3)
4221.2 (45.0)	188Os (5414.9, 343.5)	4276.5 (4.3)	141Pr (176.9, 140.9)
4223.5 (4.1)	55Mn (26.6, 7243.8)	4277.2 (8.1)	226Ra (90.0, 64.3)
4223.9 (2.9)	234U (637.8, 129.3)	4278.3 (51.1)	92Zr (1426.8, 5312.2)
4224.3 (2.2)	148Nd (165.1, 138.4)	4278.4 (11.0)	171Yb (5538.8, 5690.9)
4225.1 (11.9)	192Os (5276.0, 5583.3)	4278.7 (15.1)	230Th (185.7, 4284.9)
4226.6 (4.3)	203Tl (139.9, 319.3)	4282.0 (14.5)	176Yb (104.5, 151.6)
4226.7 (3.2)	183W (111.2, 903.3)	4283.9 (9.8)	142Ce (4337.8, 766.0)
4227.0 (19.4)	160Gd (5280.0, 394.7)	4284.7 (2.2)	209Bi (319.7, 162.2)
4228.4 (4.1)	49Ti (1553.8, 1121.1)	4284.9 (72.8)	230Th (185.7, 4284.9)
4230.0 (3.4)	108Pd (113.4, 245.1)	4286.9 (2.9)	234U (637.8, 129.3)
4230.6 (2.0)	55Mn (26.6, 7243.8)	4288.0 (2.2)	137Ba (1435.9, 5730.8)
4231.3 (2.6)	86Sr (484.8, 8039.2)	4291.4 (22.1)	140Ce (662.0, 4766.6)
4234.5 (2.5)	81Br (29.1, 287.7)	4292.0 (19.8)	150Sm (167.8, 5281.1)
4236.3 (3.4)	102Ru (174.0, 136.1)	4293.0 (2.1)	168Er (64.6, 4908.8)
4237.8 (2.0)	45Sc (227.8, 142.5)	4293.7 (18.7)	19F (582.2, 3589.3)
4238.5 (2.9)	108Pd (113.4, 245.1)	4295.1 (10.6)	234U (637.8, 129.3)
4240.0 (33.2)	136Ba (1897.5, 4720.0)	4295.5 (11.6)	192Os (5276.0, 5583.3)
4241.1 (23.2)	100Ru (6267.0, 5302.7)	4297.1 (6.1)	230Th (185.7, 4284.9)
4241.3 (7.7)	170Yb (6614.7, 804.7)	4297.3 (2.6)	243Am (87.7, 75.3)
4242.4 (3.1)	122Te (158.9, 439.9)	4298.0 (34.0)	160Gd (5280.0, 394.7)
4242.5 (12.7)	230Th (185.7, 4284.9)	4298.8 (3.4)	100Mo (180.7, 237.6)
4243.5 (18.1)	248Cm (1408.3, 1622.9)	4299.3 (2.0)	72Ge (326.0, 6390.2)
4245.4 (2.7)	204Pb (2.3, 6729.4)	4300.0 (71.4)	240Pu (4276.5, 4151.3)
4245.6 (3.5)	86Sr (484.8, 8039.2)	4300.1 (5.2)	171Yb (5538.8, 5690.9)
4246.0 (2.6)	81Br (29.1, 287.7)	4300.8 (8.1)	78Se (6866.8, 5873.8)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
4301.5 (6.1)	192Os (5276.0, 5583.3)	4366.2 (4.6)	80Se (467.7, 6233.0)
4305.0 (5.1)	158Gd (5942.0, 5434.0)	4366.2 (23.0)	181Ta (270.4, 5965.0)
4305.1 (5.0)	171Yb (5538.8, 5690.9)	4366.7 (15.7)	192Os (5276.0, 5583.3)
4305.2 (2.7)	103Rh (217.9, 5346.6)	4369.0 (13.3)	243Am (87.7, 75.3)
4305.4 (2.4)	243Am (87.7, 75.3)	4369.5 (2.1)	137Ba (1435.9, 5730.8)
4306.6 (4.1)	183W (111.2, 903.3)	4370.5 (6.8)	150Nd (189.1, 57.7)
4307.0 (3.1)	122Te (158.9, 439.9)	4372.5 (2.9)	141Pr (176.9, 140.9)
4312.0 (4.2)	152Sm (127.3, 35.8)	4373.0 (7.2)	180Hf (5695.9, 5649.7)
4312.6 (4.5)	108Pd (113.4, 245.1)	4374.4 (68.7)	natNe (2035.4, 350.3)
4312.8 (28.1)	184W (4573.6, 1181.6)	4375.0 (2.2)	71Ga (145.1, 192.0)
4315.0 (7.3)	162Dy (351.1, 421.9)	4378.3 (5.1)	76Se (239.0, 520.6)
4315.6 (69.0)	181Ta (270.4, 5965.0)	4378.9 (3.6)	171Yb (5538.8, 5690.9)
4319.0 (5.6)	150Sm (167.8, 5281.1)	4379.2 (2.8)	204Pb (2.3, 6729.4)
4320.2 (4.1)	63Cu (7916.3, 278.2)	4381.0 (3.0)	55Mn (26.6, 7243.8)
4322.1 (3.2)	57Fe (810.5, 863.6)	4381.2 (2.3)	72Ge (326.0, 6390.2)
4322.1 (5.3)	52Cr (7938.6, 564.0)	4383.2 (18.0)	181Ta (270.4, 5965.0)
4322.2 (2.6)	243Am (87.7, 75.3)	4384.0 (4.4)	158Gd (5942.0, 5434.0)
4322.5 (2.6)	142Nd (742.1, 563.8)	4384.6 (3.0)	183W (111.2, 903.3)
4323.4 (2.6)	137Ba (1435.9, 5730.8)	4384.6 (7.8)	186W (59.2, 145.8)
4324.0 (20.9)	160Gd (5280.0, 394.7)	4385.0 (4.1)	171Yb (5538.8, 5690.9)
4324.1 (5.5)	170Yb (6614.7, 804.7)	4385.1 (8.5)	65Cu (186.0, 465.2)
4326.0 (7.0)	102Ru (174.0, 136.1)	4386.0 (5.7)	150Sm (167.8, 5281.1)
4326.7 (2.1)	65Cu (186.0, 465.2)	4386.4 (3.1)	natK (770.3, 2073.6)
4329.3 (2.2)	103Rh (217.9, 5346.6)	4387.3 (24.3)	100Mo (180.7, 237.6)
4329.7 (4.6)	148Nd (165.1, 138.4)	4389.5 (37.4)	139La (5097.7, 4842.7)
4330.0 (11.8)	182W (6190.0, 4249.0)	4391.5 (81.0)	240Pu (4276.5, 4151.3)
4331.6 (2.3)	102Ru (174.0, 136.1)	4391.7 (3.2)	70Ge (499.9, 174.9)
4331.9 (5.7)	186W (59.2, 145.8)	4391.8 (2.2)	171Yb (5538.8, 5690.9)
4332.2 (3.4)	137Ba (1435.9, 5730.8)	4394.1 (2.2)	83Kr (881.7, 1213.4)
4334.0 (3.3)	158Gd (5942.0, 5434.0)	4395.3 (8.0)	184W (4573.6, 1181.6)
4335.5 (2.3)	88Sr (1032.0, 934.5)	4396.0 (9.4)	102Ru (174.0, 136.1)
4337.8 (100.0)	142Ce (4337.8, 766.0)	4399.0 (16.0)	150Sm (167.8, 5281.1)
4338.0 (2.4)	71Ga (145.1, 192.0)	4399.0 (52.0)	151Sm (3751.0, 4399.0)
4338.1 (10.4)	243Am (87.7, 75.3)	4399.5 (2.5)	226Ra (90.0, 64.3)
4338.4 (4.9)	171Yb (5538.8, 5690.9)	4400.2 (38.1)	240Pu (4276.5, 4151.3)
4343.0 (13.2)	152Sm (127.3, 35.8)	4400.6 (10.6)	46Ca (2013.6, 5262.1)
4343.7 (2.7)	178Hf (214.3, 304.0)	4401.7 (2.5)	65Cu (186.0, 465.2)
4344.8 (3.8)	203Tl (139.9, 319.3)	4404.4 (28.3)	230Th (185.7, 4284.9)
4347.2 (6.4)	142Nd (742.1, 563.8)	4405.6 (2.9)	234U (637.8, 129.3)
4347.2 (2.3)	86Sr (484.8, 8039.2)	4405.7 (17.1)	192Os (5276.0, 5583.3)
4348.5 (7.5)	150Nd (189.1, 57.7)	4405.7 (5.7)	56Fe (7631.2, 7645.6)
4348.8 (12.0)	181Ta (270.4, 5965.0)	4406.5 (3.8)	248Cm (1408.3, 1622.9)
4351.3 (18.2)	102Ru (174.0, 136.1)	4408.3 (2.3)	31P (3900.3, 2154.2)
4351.6 (5.9)	170Yb (6614.7, 804.7)	4409.0 (4.8)	150Sm (167.8, 5281.1)
4352.0 (2.3)	46Ti (158.6, 1391.5)	4410.6 (7.6)	74Ge (574.7, 253.7)
4354.7 (2.4)	76Se (239.0, 520.6)	4413.5 (20.0)	192Os (5276.0, 5583.3)
4355.9 (3.3)	168Er (64.6, 4908.8)	4416.1 (22.5)	19F (582.2, 3589.3)
4357.4 (2.5)	176Yb (104.5, 151.6)	4416.3 (37.5)	139La (5097.7, 4842.7)
4358.4 (2.1)	103Rh (217.9, 5346.6)	4417.3 (9.3)	243Am (87.7, 75.3)
4360.0 (25.9)	156Gd (5268.0, 6359.6)	4418.9 (20.6)	natCa (1942.0, 6419.9)
4361.2 (8.5)	natK (770.3, 2073.6)	4424.6 (9.7)	230Th (185.7, 4284.9)
4362.0 (3.8)	160Gd (5280.0, 394.7)	4425.3 (2.9)	108Pd (113.4, 245.1)
4362.3 (3.7)	171Yb (5538.8, 5690.9)	4426.0 (9.4)	68Zn (1008.0, 5474.0)
4363.5 (3.2)	72Ge (326.0, 6390.2)	4428.3 (2.7)	27Al (7723.9, 2960.0)
4364.3 (28.7)	31P (3900.3, 2154.2)	4430.8 (5.8)	natS (841.1, 5420.5)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
4432.4 (4.8)	171Yb(5538.8,5690.9)	4492.3 (2.6)	234U(637.8,129.3)
4432.6 (2.0)	234U(637.8,129.3)	4494.4 (2.7)	170Yb(6614.7,804.7)
4435.4 (4.1)	243Am(87.7,75.3)	4494.8 (2.4)	193Ir(371.5,112.2)
4436.4 (11.4)	74Ge(574.7,253.7)	4495.0 (5.2)	54Fe(9297.8,412.0)
4438.4 (2.2)	78Se(6866.8,5873.8)	4495.0 (4.9)	151Sm(3751.0,4399.0)
4440.5 (5.0)	natCl(1950.9,6110.9)	4495.1 (8.1)	191Ir(6080.6,5957.5)
4440.5 (2.3)	141Pr(176.9,140.9)	4495.3 (3.2)	100Mo(180.7,237.6)
4441.4 (4.6)	150Nd(189.1,57.7)	4496.4 (9.6)	141Pr(176.9,140.9)
4442.9 (2.0)	183W(111.2,903.3)	4496.9 (4.2)	203Tl(139.9,319.3)
4443.0 (100.0)	natB(4443.0,7005.1)	4499.2 (2.4)	45Sc(227.8,142.5)
4443.7 (2.5)	108Pd(113.4,245.1)	4500.0 (5.5)	68Zn(1008.0,5474.0)
4444.0 (26.0)	181Ta(270.4,5965.0)	4500.9 (2.9)	74Ge(574.7,253.7)
4446.0 (4.4)	55Mn(26.6,7243.8)	4501.5 (6.3)	102Ru(174.0,136.1)
4447.5 (4.2)	80Se(467.7,6233.0)	4502.7 (24.6)	139La(5097.7,4842.7)
4447.6 (3.7)	103Rh(217.9,5346.6)	4505.0 (6.4)	248Cm(1408.3,1622.9)
4447.6 (7.1)	186W(59.2,145.8)	4505.7 (8.1)	191Ir(6080.6,5957.5)
4449.0 (11.3)	188Os(5414.9,343.5)	4506.5 (2.3)	103Rh(217.9,5346.6)
4449.3 (5.4)	171Yb(5538.8,5690.9)	4507.0 (5.1)	160Gd(5280.0,394.7)
4449.4 (2.9)	168Er(64.6,4908.8)	4507.2 (7.2)	243Am(87.7,75.3)
4450.4 (9.4)	232Th(3473.0,566.6)	4508.5 (3.9)	184W(4573.6,1181.6)
4452.2 (4.7)	51V(22.8,125.1)	4508.9 (53.1)	natN(5269.2,1884.8)
4454.4 (4.4)	243Am(87.7,75.3)	4509.2 (3.7)	108Pd(113.4,245.1)
4454.7 (4.5)	150Nd(189.1,57.7)	4509.2 (10.2)	152Sm(127.3,35.8)
4455.0 (2.4)	54Fe(9297.8,412.0)	4512.0 (2.3)	170Yb(6614.7,804.7)
4456.9 (42.9)	240Pu(4276.5,4151.3)	4513.0 (4.7)	150Sm(167.8,5281.1)
4458.2 (15.0)	181Ta(270.4,5965.0)	4513.3 (2.0)	171Yb(5538.8,5690.9)
4460.1 (8.0)	27Al(7723.9,2960.0)	4514.3 (2.7)	70Ge(499.9,174.9)
4460.3 (5.8)	190Os(5146.8,527.5)	4514.3 (5.2)	76Ge(5912.9,5049.1)
4461.0 (4.0)	98Mo(97.6,351.0)	4514.8 (5.7)	102Ru(174.0,136.1)
4461.6 (9.7)	170Er(197.9,904.0)	4515.1 (2.4)	168Er(64.6,4908.8)
4462.0 (3.3)	171Yb(5538.8,5690.9)	4516.0 (2.2)	205Tl(304.9,266.1)
4467.2 (10.1)	243Am(87.7,75.3)	4517.2 (7.9)	78Se(6866.8,5873.8)
4468.7 (21.6)	184W(4573.6,1181.6)	4518.0 (14.7)	182W(6190.0,4249.0)
4471.3 (12.5)	226Ra(90.0,64.3)	4520.0 (85.0)	134Ba(5389.0,4520.0)
4472.3 (47.6)	240Pu(4276.5,4151.3)	4521.3 (6.8)	191Ir(6080.6,5957.5)
4473.5 (2.7)	168Er(64.6,4908.8)	4523.6 (13.8)	243Am(87.7,75.3)
4474.9 (16.0)	243Am(87.7,75.3)	4523.8 (2.4)	232Th(3473.0,566.6)
4475.2 (20.3)	100Ru(6267.0,5302.7)	4524.0 (11.1)	230Th(185.7,4284.9)
4475.9 (3.2)	171Yb(5538.8,5690.9)	4524.5 (3.9)	152Sm(127.3,35.8)
4476.0 (2.0)	71Ga(145.1,192.0)	4524.6 (10.3)	171Yb(5538.8,5690.9)
4477.7 (10.5)	170Yb(6614.7,804.7)	4525.0 (2.4)	natCl(1950.9,6110.9)
4477.8 (6.3)	134Cs(7339.3,6160.4)	4526.8 (6.7)	76Se(239.0,520.6)
4479.8 (2.6)	65Cu(186.0,465.2)	4527.0 (18.0)	188Os(5414.9,343.5)
4482.7 (11.0)	241Pu(5476.9,5289.9)	4527.1 (45.6)	230Th(185.7,4284.9)
4483.1 (41.0)	181Ta(270.4,5965.0)	4527.8 (25.4)	234U(637.8,129.3)
4483.3 (3.9)	103Rh(217.9,5346.6)	4529.0 (3.5)	171Yb(5538.8,5690.9)
4484.3 (31.9)	100Ru(6267.0,5302.7)	4530.7 (67.2)	192Os(5276.0,5583.3)
4485.0 (3.2)	243Am(87.7,75.3)	4530.8 (23.0)	191Ir(6080.6,5957.5)
4486.7 (2.8)	166Er(207.8,798.8)	4530.9 (4.3)	190Os(5146.8,527.5)
4487.8 (25.1)	150Nd(189.1,57.7)	4532.4 (3.5)	168Er(64.6,4908.8)
4488.7 (2.5)	103Rh(217.9,5346.6)	4533.4 (5.3)	243Am(87.7,75.3)
4490.5 (9.8)	31P(3900.3,2154.2)	4535.8 (72.8)	184W(4573.6,1181.6)
4490.9 (9.5)	243Am(87.7,75.3)	4536.1 (25.0)	181Ta(270.4,5965.0)
4491.2 (3.1)	186W(59.2,145.8)	4536.9 (3.1)	234U(637.8,129.3)
4492.0 (2.5)	72Ge(326.0,6390.2)	4537.8 (2.3)	170Yb(6614.7,804.7)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
4538.0 (2.2)	108Pd(113.4,245.1)	4589.6 (3.9)	54Fe(9297.8,412.0)
4539.1 (10.8)	191Ir(6080.6,5957.5)	4589.8 (20.3)	191Ir(6080.6,5957.5)
4542.0 (11.0)	144Nd(852.8,4836.9)	4592.9 (2.3)	171Yb(5538.8,5690.9)
4542.1 (3.2)	180Hf(5695.9,5649.7)	4594.0 (2.8)	72Ge(326.0,6390.2)
4542.1 (3.1)	203Tl(139.9,319.3)	4594.0 (22.0)	234U(637.8,129.3)
4542.3 (2.3)	103Rh(217.9,5346.6)	4596.7 (2.3)	144Sm(5863.0,5149.8)
4543.0 (2.0)	71Ga(145.1,192.0)	4596.7 (2.8)	183W(111.2,903.3)
4543.1 (7.1)	96Mo(481.0,720.5)	4598.6 (2.8)	103Rh(217.9,5346.6)
4543.8 (4.2)	100Mo(180.7,237.6)	4599.0 (5.1)	160Gd(5280.0,394.7)
4545.6 (2.9)	76Se(239.0,520.6)	4599.8 (2.4)	193Ir(371.5,112.2)
4545.7 (2.8)	130Te(295.9,3346.9)	4601.1 (4.1)	191Ir(6080.6,5957.5)
4546.0 (12.7)	152Sm(127.3,35.8)	4602.3 (2.7)	203Tl(139.9,319.3)
4546.1 (37.9)	188Os(5414.9,343.5)	4604.3 (2.2)	103Rh(217.9,5346.6)
4546.8 (2.6)	103Rh(217.9,5346.6)	4606.0 (2.7)	158Gd(5942.0,5434.0)
4547.1 (17.0)	238Pu(462.2,434.9)	4607.7 (7.3)	170Yb(6614.7,804.7)
4548.4 (2.0)	natCl(1950.9,6110.9)	4609.1 (3.2)	183W(111.2,903.3)
4549.6 (6.8)	191Ir(6080.6,5957.5)	4609.6 (3.5)	76Se(239.0,520.6)
4550.6 (3.8)	55Mn(26.6,7243.8)	4611.4 (4.1)	191Ir(6080.6,5957.5)
4552.1 (2.0)	108Pd(113.4,245.1)	4612.3 (24.4)	19F(582.2,3589.3)
4553.0 (4.0)	81Br(29.1,287.7)	4612.5 (2.6)	193Ir(371.5,112.2)
4553.0 (2.0)	158Gd(5942.0,5434.0)	4612.9 (3.4)	164Dy(184.3,538.5)
4554.2 (3.3)	171Yb(5538.8,5690.9)	4613.6 (14.7)	204Pb(2.3,6729.4)
4555.3 (31.6)	19F(582.2,3589.3)	4613.7 (2.8)	31P(3900.3,2154.2)
4556.5 (8.5)	190Os(5146.8,527.5)	4615.8 (2.1)	190Os(5146.8,527.5)
4556.6 (6.8)	191Ir(6080.6,5957.5)	4616.0 (4.9)	150Sm(167.8,5281.1)
4557.0 (4.3)	243Am(87.7,75.3)	4616.0 (16.0)	151Sm(3751.0,4399.0)
4557.6 (5.5)	186W(59.2,145.8)	4616.5 (47.6)	168Er(64.6,4908.8)
4558.0 (7.1)	182W(6190.0,4249.0)	4616.6 (3.3)	natCl(1950.9,6110.9)
4558.9 (7.3)	139La(5097.7,4842.7)	4618.0 (36.0)	181Ta(270.4,5965.0)
4561.7 (3.3)	76Se(239.0,520.6)	4618.9 (5.8)	58Fe(287.0,6293.6)
4563.3 (5.4)	191Ir(6080.6,5957.5)	4618.9 (3.2)	81Br(29.1,287.7)
4563.5 (36.1)	230Th(185.7,4284.9)	4622.5 (2.6)	88Sr(1032.0,934.5)
4564.3 (5.5)	241Pu(5476.9,5289.9)	4624.1 (5.0)	144Sm(5863.0,5149.8)
4565.5 (9.1)	76Se(239.0,520.6)	4625.0 (2.7)	46Ti(158.6,1391.5)
4566.4 (24.0)	181Ta(270.4,5965.0)	4626.5 (5.0)	57Fe(810.5,863.6)
4566.9 (2.2)	243Am(87.7,75.3)	4626.7 (16.0)	176Yb(104.5,151.6)
4567.2 (10.8)	55Mn(26.6,7243.8)	4626.7 (5.4)	191Ir(6080.6,5957.5)
4567.9 (12.0)	145Nd(7110.8,6093.9)	4627.1 (18.9)	186W(59.2,145.8)
4568.3 (5.0)	170Yb(6614.7,804.7)	4627.4 (22.2)	102Ru(174.0,136.1)
4568.3 (2.5)	176Yb(104.5,151.6)	4628.7 (18.8)	167Er(184.3,6677.4)
4571.9 (17.6)	191Ir(6080.6,5957.5)	4629.2 (2.6)	31P(3900.3,2154.2)
4572.8 (5.3)	44Ca(174.3,5515.0)	4629.7 (11.0)	181Ta(270.4,5965.0)
4573.6(100.0)	184W(4573.6,1181.6)	4630.0 (6.3)	186W(59.2,145.8)
4575.1 (13.1)	186W(59.2,145.8)	4631.6 (3.3)	103Rh(217.9,5346.6)
4576.0 (2.4)	162Dy(351.1,421.9)	4631.7 (6.3)	171Yb(5538.8,5690.9)
4577.3 (3.0)	193Ir(371.5,112.2)	4632.7 (5.0)	243Am(87.7,75.3)
4579.0 (13.6)	150Sm(167.8,5281.1)	4633.2 (2.0)	103Rh(217.9,5346.6)
4580.0 (25.0)	181Ta(270.4,5965.0)	4633.8 (3.4)	167Er(184.3,6677.4)
4580.0 (3.2)	186W(59.2,145.8)	4634.0 (5.8)	145Nd(7110.8,6093.9)
4580.1 (2.7)	104Ru(143.2,159.3)	4636.4 (2.8)	103Rh(217.9,5346.6)
4583.0 (3.6)	64Zn(7863.0,751.0)	4637.7 (6.8)	191Ir(6080.6,5957.5)
4584.4 (10.4)	104Ru(143.2,159.3)	4637.8 (7.2)	171Yb(5538.8,5690.9)
4584.6 (2.1)	193Ir(371.5,112.2)	4639.1 (2.7)	natS(841.1,5420.5)
4585.9 (11.7)	243Am(87.7,75.3)	4639.4 (9.0)	167Er(184.3,6677.4)
4588.7 (2.4)	55Mn(26.6,7243.8)	4642.3 (3.6)	170Yb(6614.7,804.7)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
4642.7 (5.0)	193Ir(371.5,112.2)	4695.6 (2.7)	191Ir(6080.6,5957.5)
4643.4 (30.5)	167Er(184.3,6677.4)	4695.9 (2.2)	115Sn(1293.6,972.6)
4643.9 (4.7)	55Mn(26.6,7243.8)	4696.0 (3.2)	69Ga(508.4,691.0)
4644.0 (5.1)	204Pb(2.3,6729.4)	4696.0 (5.7)	243Am(87.7,75.3)
4645.0 (23.5)	150Sm(167.8,5281.1)	4697.8 (14.5)	152Sm(127.3,35.8)
4645.0 (2.1)	152Sm(127.3,35.8)	4699.0 (2.7)	176Yb(104.5,151.6)
4645.0 (10.8)	191Ir(6080.6,5957.5)	4702.5 (7.0)	167Er(184.3,6677.4)
4647.1 (4.3)	183W(111.2,903.3)	4702.8 (2.7)	191Ir(6080.6,5957.5)
4647.4 (15.9)	167Er(184.3,6677.4)	4703.2 (6.8)	170Yb(6614.7,804.7)
4650.1 (6.0)	186W(59.2,145.8)	4706.0 (26.3)	74Ge(574.7,253.7)
4650.7 (2.7)	72Ge(326.0,6390.2)	4706.9 (5.6)	203Tl(139.9,319.3)
4652.0 (9.4)	68Zn(1008.0,5474.0)	4707.0 (2.7)	54Fe(9297.8,412.0)
4652.3 (6.0)	86Sr(484.8,8039.2)	4707.8 (9.0)	167Er(184.3,6677.4)
4653.2 (21.6)	167Er(184.3,6677.4)	4707.8 (75.2)	179Hf(5572.4,4707.8)
4655.1 (2.2)	243Am(87.7,75.3)	4710.2 (45.0)	natB(4443.0,7005.1)
4658.5 (2.3)	63Cu(7916.3,278.2)	4711.0 (2.4)	69Ga(508.4,691.0)
4658.6 (3.3)	171Yb(5538.8,5690.9)	4711.4 (6.8)	191Ir(6080.6,5957.5)
4659.0 (3.8)	158Gd(5942.0,5434.0)	4712.0 (3.5)	150Sm(167.8,5281.1)
4659.6 (7.6)	27Al(7723.9,2960.0)	4712.2 (2.4)	81Br(29.1,287.7)
4660.0 (17.3)	167Er(184.3,6677.4)	4713.4 (4.4)	248Cm(1408.3,1622.9)
4660.0 (3.3)	205Tl(304.9,266.1)	4714.7 (4.2)	238Pu(462.2,434.9)
4660.5 (28.1)	146Nd(314.7,78.0)	4715.3 (43.5)	100Ru(6267.0,5302.7)
4661.8 (13.9)	58Fe(287.0,6293.6)	4715.4 (18.0)	167Er(184.3,6677.4)
4662.7 (9.5)	191Ir(6080.6,5957.5)	4716.6 (4.7)	166Er(207.8,798.8)
4665.4 (3.8)	167Er(184.3,6677.4)	4719.1 (2.7)	171Yb(5538.8,5690.9)
4665.8 (2.6)	190Os(5146.8,527.5)	4720.0 (91.2)	136Ba(1897.5,4720.0)
4666.6 (9.0)	181Ta(270.4,5965.0)	4721.1 (3.3)	45Sc(227.8,142.5)
4668.0 (8.1)	191Ir(6080.6,5957.5)	4721.7 (8.7)	167Er(184.3,6677.4)
4668.2 (2.9)	103Rh(217.9,5346.6)	4722.9 (9.8)	141Pr(176.9,140.9)
4670.3 (3.9)	243Am(87.7,75.3)	4725.0 (15.3)	55Mn(26.6,7243.8)
4671.3 (86.5)	31P(3900.3,2154.2)	4725.9 (11.4)	170Yb(6614.7,804.7)
4671.4 (17.3)	167Er(184.3,6677.4)	4727.0 (8.1)	191Ir(6080.6,5957.5)
4672.7 (6.0)	171Yb(5538.8,5690.9)	4727.3 (3.5)	103Rh(217.9,5346.6)
4672.8 (39.9)	148Nd(165.1,138.4)	4729.0 (3.5)	natCl(1950.9,6110.9)
4673.4 (13.0)	181Ta(270.4,5965.0)	4729.2 (4.7)	167Er(184.3,6677.4)
4674.1 (2.2)	108Pd(113.4,245.1)	4730.1 (2.2)	171Yb(5538.8,5690.9)
4675.5 (3.7)	199Hg(367.9,5967.4)	4731.5 (5.2)	122Te(158.9,439.9)
4679.6 (4.1)	191Ir(6080.6,5957.5)	4733.1 (12.2)	191Ir(6080.6,5957.5)
4680.3 (5.7)	64Ni(6034.8,310.2)	4734.0 (18.2)	27Al(7723.9,2960.0)
4682.0 (3.0)	166Er(207.8,798.8)	4735.3 (2.3)	150Nd(189.1,57.7)
4684.7 (2.7)	171Yb(5538.8,5690.9)	4736.2 (2.5)	171Yb(5538.8,5690.9)
4684.8 (22.1)	186W(59.2,145.8)	4737.0 (3.0)	160Gd(5280.0,394.7)
4687.8 (26.9)	146Nd(314.7,78.0)	4737.6 (3.3)	167Er(184.3,6677.4)
4688.5 (13.1)	167Er(184.3,6677.4)	4738.1 (10.0)	230Th(185.7,4284.9)
4688.9 (9.5)	203Tl(139.9,319.3)	4738.3 (18.8)	179Hf(5572.4,4707.8)
4689.6 (5.5)	137Ba(1435.9,5730.8)	4739.0 (5.3)	93Nb(99.4,255.9)
4690.0 (5.6)	55Mn(26.6,7243.8)	4739.2 (8.9)	199Hg(367.9,5967.4)
4690.0 (6.3)	186W(59.2,145.8)	4739.4 (25.0)	181Ta(270.4,5965.0)
4690.7 (14.4)	27Al(7723.9,2960.0)	4740.9 (6.9)	167Er(184.3,6677.4)
4691.7 (31.0)	181Ta(270.4,5965.0)	4743.6 (10.0)	170Yb(6614.7,804.7)
4691.7 (7.4)	184W(4573.6,1181.6)	4745.0 (21.4)	156Gd(5268.0,6359.6)
4692.1 (30.1)	141Pr(176.9,140.9)	4745.0 (69.1)	natAr(167.3,4745.0)
4693.2 (3.1)	78Se(6866.8,5873.8)	4745.4 (23.0)	167Er(184.3,6677.4)
4693.3 (4.1)	167Er(184.3,6677.4)	4746.1 (3.0)	74Ge(574.7,253.7)
4694.9 (21.2)	192Os(5276.0,5583.3)	4746.3 (56.2)	184W(4573.6,1181.6)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
4747.7(2.1)	49Ti(1553.8,1121.1)	4798.8(3.7)	167Er(184.3,6677.4)
4748.9(12.2)	191Ir(6080.6,5957.5)	4800.4(6.8)	191Ir(6080.6,5957.5)
4749.7(3.8)	natCa(1942.0,6419.9)	4800.7(13.7)	197Au(214.8,6252.6)
4749.8(4.5)	57Fe(810.5,863.6)	4800.9(3.5)	102Ru(174.0,136.1)
4751.0(11.3)	243Am(87.7,75.3)	4801.2(14.9)	141Pr(176.9,140.9)
4752.0(18.3)	150Sm(167.8,5281.1)	4801.7(26.2)	167Er(184.3,6677.4)
4752.1(2.8)	173Yb(176.6,1241.9)	4802.0(26.7)	158Gd(5942.0,5434.0)
4752.2(10.6)	167Er(184.3,6677.4)	4802.8(4.4)	54Fe(9297.8,412.0)
4753.3(8.1)	148Nd(165.1,138.4)	4802.9(33.0)	181Ta(270.4,5965.0)
4753.4(5.6)	193Ir(371.5,112.2)	4805.0(21.7)	100Ru(6267.0,5302.7)
4753.6(12.4)	203Tl(139.9,319.3)	4807.3(2.5)	193Ir(371.5,112.2)
4754.8(2.2)	27Al(7723.9,2960.0)	4809.6(12.2)	191Ir(6080.6,5957.5)
4757.2(10.9)	243Am(87.7,75.3)	4809.8(6.4)	56Fe(7631.2,7645.6)
4758.9(3.9)	199Hg(367.9,5967.4)	4811.0(4.7)	160Gd(5280.0,394.7)
4759.0(2.3)	238Pu(462.2,434.9)	4812.5(2.7)	204Pb(2.3,6729.4)
4759.1(11.0)	171Yb(5538.8,5690.9)	4812.5(4.2)	187Os(155.0,633.1)
4759.5(13.5)	167Er(184.3,6677.4)	4814.5(6.8)	145Nd(7110.8,6093.9)
4760.0(9.5)	191Ir(6080.6,5957.5)	4815.0(4.4)	74Ge(574.7,253.7)
4764.3(2.4)	27Al(7723.9,2960.0)	4815.0(5.8)	158Gd(5942.0,5434.0)
4764.9(3.4)	171Yb(5538.8,5690.9)	4816.8(6.8)	191Ir(6080.6,5957.5)
4764.9(10.8)	191Ir(6080.6,5957.5)	4817.6(4.8)	142Nd(742.1,563.8)
4766.6(48.0)	140Ce(662.0,4766.6)	4820.7(5.3)	167Er(184.3,6677.4)
4767.4(10.8)	134Cs(7339.3,6160.4)	4821.8(3.4)	76Ge(5912.9,5049.1)
4769.6(5.3)	167Er(184.3,6677.4)	4821.8(11.0)	181Ta(270.4,5965.0)
4769.6(7.9)	232Th(3473.0,566.6)	4821.8(55.8)	238Pu(462.2,434.9)
4769.8(2.8)	230Th(185.7,4284.9)	4823.0(2.3)	69Ga(508.4,691.0)
4770.6(14.1)	122Te(158.9,439.9)	4823.9(3.6)	57Fe(810.5,863.6)
4771.8(23.6)	54Cr(6246.4,241.9)	4826.0(10.7)	150Sm(167.8,5281.1)
4772.9(2.8)	185Re(59.0,214.6)	4826.3(2.5)	193Ir(371.5,112.2)
4773.2(3.8)	167Er(184.3,6677.4)	4827.2(23.5)	179Hf(5572.4,4707.8)
4773.4(8.1)	150Sm(167.8,5281.1)	4827.6(2.3)	93Nb(99.4,255.9)
4775.3(4.1)	166Er(207.8,798.8)	4827.6(5.2)	150Nd(189.1,57.7)
4775.7(3.9)	108Pd(113.4,245.1)	4828.4(6.5)	167Er(184.3,6677.4)
4777.1(2.4)	170Er(197.9,904.0)	4828.6(5.0)	146Nd(314.7,78.0)
4778.0(2.8)	162Dy(351.1,421.9)	4829.0(4.8)	64Zn(7863.0,751.0)
4778.0(16.2)	191Ir(6080.6,5957.5)	4829.4(5.7)	100Mo(180.7,237.6)
4780.0(13.0)	167Er(184.3,6677.4)	4829.6(3.0)	243Am(87.7,75.3)
4780.8(2.6)	145Nd(7110.8,6093.9)	4829.7(6.9)	55Mn(26.6,7243.8)
4781.5(3.9)	243Am(87.7,75.3)	4830.0(2.6)	174Yb(514.9,5266.7)
4782.3(74.0)	181Ta(270.4,5965.0)	4830.5(4.1)	191Ir(6080.6,5957.5)
4784.0(4.3)	160Gd(5280.0,394.7)	4830.8(5.4)	102Ru(174.0,136.1)
4784.0(4.5)	170Yb(6614.7,804.7)	4831.0(5.8)	100Ru(6267.0,5302.7)
4784.5(16.5)	144Sm(5863.0,5149.8)	4832.1(2.0)	197Au(214.8,6252.6)
4785.0(4.3)	100Ru(6267.0,5302.7)	4833.2(26.0)	181Ta(270.4,5965.0)
4787.0(2.8)	166Er(207.8,798.8)	4834.0(4.2)	158Gd(5942.0,5434.0)
4787.2(2.8)	197Au(214.8,6252.6)	4836.0(10.5)	156Gd(5268.0,6359.6)
4787.3(12.8)	167Er(184.3,6677.4)	4836.1(4.6)	103Rh(217.9,5346.6)
4787.8(2.7)	191Ir(6080.6,5957.5)	4836.1(2.8)	122Te(158.9,439.9)
4789.0(8.1)	63Ni(1345.8,9656.9)	4836.9(97.0)	144Nd(852.8,4836.9)
4791.6(2.1)	93Nb(99.4,255.9)	4838.1(11.0)	167Er(184.3,6677.4)
4792.0(3.8)	71Ga(145.1,192.0)	4838.7(4.0)	193Ir(371.5,112.2)
4792.1(5.0)	167Er(184.3,6677.4)	4839.0(7.6)	71Ga(145.1,192.0)
4793.1(36.0)	181Ta(270.4,5965.0)	4839.1(6.8)	150Nd(189.1,57.7)
4794.0(23.0)	108Pd(113.4,245.1)	4840.5(7.2)	100Ru(6267.0,5302.7)
4797.1(2.3)	122Te(158.9,439.9)	4841.0(3.5)	55Mn(26.6,7243.8)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
4841.5 (2.7)	191Ir(6080.6,5957.5)	4890.4 (14.5)	134Cs(7339.3,6160.4)
4841.6 (3.8)	203Tl(139.9,319.3)	4890.6 (3.3)	181Ta(270.4,5965.0)
4842.0 (8.4)	238Pu(462.2,434.9)	4890.7 (4.4)	72Ge(326.0,6390.2)
4842.2 (6.1)	199Hg(367.9,5967.4)	4890.8 (5.2)	167Er(184.3,6677.4)
4842.3 (2.4)	167Er(184.3,6677.4)	4891.1 (7.1)	78Se(6866.8,5873.8)
4842.7 (99.0)	139La(5097.7,4842.7)	4891.1 (2.7)	154Sm(4987.1,4876.3)
4845.9 (12.0)	230Th(185.7,4284.9)	4891.9 (10.8)	191Ir(6080.6,5957.5)
4847.5 (2.5)	53Cr(834.8,8884.2)	4891.9 (2.1)	45Sc(227.8,142.5)
4848.8 (4.7)	238Pu(462.2,434.9)	4892.9 (3.0)	83Kr(881.7,1213.4)
4849.4 (8.1)	191Ir(6080.6,5957.5)	4893.0 (10.5)	150Sm(167.8,5281.1)
4851.0 (2.3)	103Rh(217.9,5346.6)	4894.9 (4.7)	238Pu(462.2,434.9)
4851.4 (6.4)	167Er(184.3,6677.4)	4895.0 (28.3)	134Ba(5389.0,4520.0)
4852.7 (30.2)	179Hf(5572.4,4707.8)	4896.4 (16.3)	167Er(184.3,6677.4)
4854.0 (5.0)	197Au(214.8,6252.6)	4896.6 (2.6)	81Br(29.1,287.7)
4854.5 (7.7)	150Sm(167.8,5281.1)	4896.8 (5.3)	230Th(185.7,4284.9)
4854.7 (2.8)	193Ir(371.5,112.2)	4897.1 (13.5)	191Ir(6080.6,5957.5)
4856.8 (21.6)	191Ir(6080.6,5957.5)	4897.4 (5.0)	197Au(214.8,6252.6)
4858.6 (2.9)	58Ni(8998.4,8533.4)	4898.2 (2.3)	170Yb(6614.7,804.7)
4860.9 (2.7)	103Rh(217.9,5346.6)	4899.0 (2.2)	158Gd(5942.0,5434.0)
4861.1 (4.6)	185Re(59.0,214.6)	4899.2 (5.5)	171Yb(5538.8,5690.9)
4863.6 (4.8)	167Er(184.3,6677.4)	4902.2 (5.1)	98Mo(97.6,351.0)
4865.0 (11.8)	158Gd(5942.0,5434.0)	4902.5(100.0)	110Pd(4902.5,3488.0)
4865.2 (20.3)	191Ir(6080.6,5957.5)	4902.5 (2.7)	103Rh(217.9,5346.6)
4865.2 (4.3)	197Au(214.8,6252.6)	4902.9 (9.6)	27Al(7723.9,2960.0)
4867.0 (3.8)	71Ga(145.1,192.0)	4905.5 (5.7)	197Au(214.8,6252.6)
4868.4 (16.8)	196Pt(5846.3,649.2)	4906.2 (3.5)	59Co(58.9,229.7)
4868.4 (2.5)	203Tl(139.9,319.3)	4907.0 (4.1)	191Ir(6080.6,5957.5)
4869.7 (6.7)	167Er(184.3,6677.4)	4907.6 (4.1)	134Cs(7339.3,6160.4)
4869.8 (15.2)	natS(841.1,5420.5)	4907.9 (3.8)	55Mn(26.6,7243.8)
4870.0 (2.7)	64Zn(7863.0,751.0)	4908.0 (2.2)	81Br(29.1,287.7)
4870.1 (45.0)	148Sm(5532.7,4914.2)	4908.3 (5.0)	122Te(158.9,439.9)
4873.0 (2.2)	205Tl(304.9,266.1)	4908.8 (81.8)	168Er(64.6,4908.8)
4873.7 (2.6)	148Nd(165.1,138.4)	4909.5 (54.3)	243Am(87.7,75.3)
4873.7 (9.5)	191Ir(6080.6,5957.5)	4910.6 (66.4)	179Hf(5572.4,4707.8)
4874.4 (7.8)	150Sm(167.8,5281.1)	4911.9 (3.8)	31P(3900.3,2154.2)
4875.2 (4.0)	55Mn(26.6,7243.8)	4912.6 (22.0)	181Ta(270.4,5965.0)
4875.5 (2.0)	172Yb(399.4,116.1)	4913.6 (2.6)	93Nb(99.4,255.9)
4875.9 (5.1)	167Er(184.3,6677.4)	4914.0 (5.0)	170Yb(6614.7,804.7)
4876.3 (62.3)	154Sm(4987.1,4876.3)	4914.2 (56.0)	148Sm(5532.7,4914.2)
4877.0 (8.2)	94Mo(7165.0,6721.0)	4914.8 (14.6)	203Tl(139.9,319.3)
4877.1 (4.4)	31P(3900.3,2154.2)	4915.5 (23.0)	191Ir(6080.6,5957.5)
4878.0 (4.3)	171Yb(5538.8,5690.9)	4915.8 (5.0)	103Rh(217.9,5346.6)
4881.1 (5.6)	167Er(184.3,6677.4)	4916.7 (4.5)	167Er(184.3,6677.4)
4881.4 (5.3)	48Ti(1381.7,6760.1)	4919.3 (12.5)	204Pb(2.3,6729.4)
4881.8 (3.9)	70Ge(499.9,174.9)	4920.3 (6.0)	108Pd(113.4,245.1)
4883.3 (5.9)	51V(22.8,125.1)	4920.5 (4.1)	243Am(87.7,75.3)
4883.7 (2.2)	45Sc(227.8,142.5)	4920.6 (3.7)	171Yb(5538.8,5690.9)
4884.7 (4.6)	102Ru(174.0,136.1)	4921.6 (59.0)	167Er(184.3,6677.4)
4884.7 (5.6)	152Sm(127.3,35.8)	4921.9 (34.8)	100Ru(6267.0,5302.7)
4887.1 (2.5)	168Er(64.6,4908.8)	4922.4 (2.1)	168Er(64.6,4908.8)
4887.5 (4.5)	197Au(214.8,6252.6)	4923.4 (14.8)	150Sm(167.8,5281.1)
4888.0 (14.0)	68Zn(1008.0,5474.0)	4924.5 (4.1)	191Ir(6080.6,5957.5)
4888.6 (22.4)	139La(5097.7,4842.7)	4925.2 (3.7)	157Gd(181.9,79.5)
4888.7 (8.9)	171Yb(5538.8,5690.9)	4925.9 (5.0)	181Ta(270.4,5965.0)
4890.0 (3.8)	71Ga(145.1,192.0)	4926.2 (3.1)	103Rh(217.9,5346.6)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
4926.6 (2.9)	76Se(239.0,520.6)	4977.8 (17.6)	191Ir(6080.6,5957.5)
4927.6 (2.1)	168Yb(191.2,720.0)	4979.9 (18.6)	natCl(1950.9,6110.9)
4928.0 (37.3)	188Os(5414.9,343.5)	4980.2 (21.0)	181Ta(270.4,5965.0)
4931.6 (3.1)	197Au(214.8,6252.6)	4980.5 (5.4)	167Er(184.3,6677.4)
4932.0 (28.4)	184W(4573.6,1181.6)	4980.5 (15.9)	184W(4573.6,1181.6)
4932.3 (5.4)	191Ir(6080.6,5957.5)	4982.5 (4.1)	171Yb(5538.8,5690.9)
4933.3 (3.0)	150Sm(167.8,5281.1)	4983.0 (4.7)	158Gd(5942.0,5434.0)
4934.4 (92.2)	natSi(3539.1,4934.4)	4983.1 (28.0)	86Kr(1475.9,3392.6)
4934.6 (8.3)	243Am(87.7,75.3)	4983.5 (21.6)	191Ir(6080.6,5957.5)
4935.2 (2.0)	55Mn(26.6,7243.8)	4984.5 (18.8)	167Er(184.3,6677.4)
4937.8 (12.0)	181Ta(270.4,5965.0)	4986.6 (18.4)	19F(582.2,3589.3)
4938.0 (52.0)	138Ce(5476.0,4938.0)	4986.8 (18.2)	184W(4573.6,1181.6)
4939.1 (4.8)	81Br(29.1,287.7)	4987.1(100.0)	154Sm(4987.1,4876.3)
4939.2 (10.8)	191Ir(6080.6,5957.5)	4987.9 (2.0)	187Re(63.6,290.7)
4941.6 (2.1)	154Sm(4987.1,4876.3)	4988.5 (8.5)	74Ge(574.7,253.7)
4942.9 (48.2)	134Cs(7339.3,6160.4)	4992.0 (9.5)	191Ir(6080.6,5957.5)
4943.7 (3.7)	104Ru(143.2,159.3)	4992.2 (4.0)	natK(770.3,2073.6)
4944.2 (17.6)	191Ir(6080.6,5957.5)	4992.4 (4.5)	49Ti(1553.8,1121.1)
4944.3 (7.0)	154Gd(86.5,105.3)	4992.9 (3.0)	51V(22.8,125.1)
4944.5 (2.5)	171Yb(5538.8,5690.9)	4993.8 (7.7)	167Er(184.3,6677.4)
4944.6 (3.2)	natCl(1950.9,6110.9)	4994.0 (3.2)	45Sc(227.8,142.5)
4945.0 (2.6)	27Al(7723.9,2960.0)	4994.6 (2.5)	88Sr(1032.0,934.5)
4945.0 (3.0)	203Tl(139.9,319.3)	4998.3 (2.2)	139La(5097.7,4842.7)
4945.3(100.0)	natC(4945.3,3683.9)	4999.1 (2.0)	171Yb(5538.8,5690.9)
4946.1 (2.4)	152Sm(127.3,35.8)	4999.1 (5.7)	197Au(214.8,6252.6)
4948.3 (2.9)	56Fe(7631.2,7645.6)	5000.3 (9.8)	74Ge(574.7,253.7)
4949.3 (8.0)	181Ta(270.4,5965.0)	5000.8 (2.1)	187Re(63.6,290.7)
4949.4 (11.2)	55Mn(26.6,7243.8)	5001.0 (2.1)	57Fe(810.5,863.6)
4950.7 (4.2)	122Te(158.9,439.9)	5001.6 (16.1)	167Er(184.3,6677.4)
4951.6 (11.7)	243Am(87.7,75.3)	5001.6 (10.8)	191Ir(6080.6,5957.5)
4951.7 (2.8)	167Er(184.3,6677.4)	5002.5 (3.6)	145Nd(7110.8,6093.9)
4952.8 (4.1)	191Ir(6080.6,5957.5)	5004.8 (3.9)	243Am(87.7,75.3)
4953.5 (2.1)	63Ni(1345.8,9656.9)	5005.6 (14.5)	19F(582.2,3589.3)
4955.9 (5.5)	78Se(6866.8,5873.8)	5005.6 (29.0)	181Ta(270.4,5965.0)
4956.0 (2.9)	69Ga(508.4,691.0)	5006.1 (2.2)	108Pd(113.4,245.1)
4958.2 (11.6)	197Au(214.8,6252.6)	5006.2 (2.7)	103Rh(217.9,5346.6)
4958.2 (2.3)	88Sr(1032.0,934.5)	5008.3 (3.7)	185Re(59.0,214.6)
4958.6 (5.8)	100Ru(6267.0,5302.7)	5010.4 (9.1)	190Os(5146.8,527.5)
4959.0 (15.3)	46Ti(158.6,1391.5)	5011.9 (19.6)	145Nd(7110.8,6093.9)
4960.4 (4.2)	167Er(184.3,6677.4)	5012.7 (4.1)	187Re(63.6,290.7)
4961.7 (5.0)	181Ta(270.4,5965.0)	5013.8 (2.0)	natK(770.3,2073.6)
4962.6 (2.3)	76Se(239.0,520.6)	5013.8 (2.4)	88Sr(1032.0,934.5)
4964.9 (4.2)	167Er(184.3,6677.4)	5013.9 (2.2)	193Ir(371.5,112.2)
4966.6 (2.8)	natMg(3916.7,2828.1)	5015.0 (34.0)	55Mn(26.6,7243.8)
4966.9 (3.4)	48Ti(1381.7,6760.1)	5015.0 (33.3)	205Tl(304.9,266.1)
4968.0 (3.1)	158Gd(5942.0,5434.0)	5015.7 (5.3)	203Tl(139.9,319.3)
4968.0 (9.5)	191Ir(6080.6,5957.5)	5015.9 (8.0)	183W(111.2,903.3)
4968.4 (4.8)	137Ba(1435.9,5730.8)	5017.1 (2.9)	81Br(29.1,287.7)
4968.9 (33.0)	148Sm(5532.7,4914.2)	5017.3 (2.2)	243Am(87.7,75.3)
4969.8 (2.0)	55Mn(26.6,7243.8)	5017.8 (3.1)	171Yb(5538.8,5690.9)
4975.1 (7.5)	145Nd(7110.8,6093.9)	5018.0 (2.5)	natCl(1950.9,6110.9)
4975.3 (9.4)	45Sc(227.8,142.5)	5018.5 (18.9)	191Ir(6080.6,5957.5)
4975.8 (13.0)	144Nd(852.8,4836.9)	5019.4 (2.3)	167Er(184.3,6677.4)
4976.1 (19.8)	80Se(467.7,6233.0)	5020.5 (4.9)	98Mo(97.6,351.0)
4977.4 (11.0)	146Nd(314.7,78.0)	5020.6 (2.1)	103Rh(217.9,5346.6)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
5021.9 (2.2)	183W(111.2,903.3)	5074.5 (10.1)	179Hf(5572.4,4707.8)
5023.4 (76.7)	104Ru(143.2,159.3)	5074.9 (7.7)	160Dy(6087.3,48.9)
5024.8 (3.3)	167Er(184.3,6677.4)	5075.3 (3.7)	150Sm(167.8,5281.1)
5025.3 (6.3)	184W(4573.6,1181.6)	5075.8 (4.0)	181Ta(270.4,5965.0)
5025.5 (2.8)	171Yb(5538.8,5690.9)	5075.9 (4.1)	74Ge(574.7,253.7)
5025.9 (9.1)	76Se(239.0,520.6)	5076.2 (2.4)	171Yb(5538.8,5690.9)
5028.1 (5.0)	193Ir(371.5,112.2)	5077.2 (2.9)	243Am(87.7,75.3)
5028.9 (19.6)	154Sm(4987.1,4876.3)	5077.6 (3.9)	146Nd(314.7,78.0)
5028.9 (3.7)	185Re(59.0,214.6)	5078.5 (7.7)	170Yb(6614.7,804.7)
5029.1 (8.1)	191Ir(6080.6,5957.5)	5078.7 (2.0)	76Se(239.0,520.6)
5031.4 (31.4)	19F(582.2,3589.3)	5080.3 (47.6)	240Pu(4276.5,4151.3)
5032.2 (15.4)	167Er(184.3,6677.4)	5080.9 (4.5)	197Au(214.8,6252.6)
5034.6 (13.0)	181Ta(270.4,5965.0)	5082.4 (3.3)	167Er(184.3,6677.4)
5035.2 (3.4)	197Au(214.8,6252.6)	5084.0 (12.0)	184Os(431.2,6588.0)
5035.5 (5.7)	55Mn(26.6,7243.8)	5086.3 (9.1)	197Au(214.8,6252.6)
5037.3 (9.2)	190Os(5146.8,527.5)	5087.6 (6.2)	167Er(184.3,6677.4)
5038.0 (31.0)	167Er(184.3,6677.4)	5087.7 (18.9)	191Ir(6080.6,5957.5)
5040.4 (25.7)	191Ir(6080.6,5957.5)	5088.0 (15.5)	74Ge(574.7,253.7)
5040.9 (2.4)	122Te(158.9,439.9)	5088.3 (3.6)	31P(3900.3,2154.2)
5042.5 (3.4)	197Au(214.8,6252.6)	5090.4 (7.0)	134Cs(7339.3,6160.4)
5043.0 (14.3)	65Cu(186.0,465.2)	5091.7 (65.4)	184W(4573.6,1181.6)
5043.3 (10.2)	145Nd(7110.8,6093.9)	5094.0 (2.7)	81Br(29.1,287.7)
5043.3 (3.8)	natK(770.3,2073.6)	5094.0 (3.6)	150Sm(167.8,5281.1)
5043.5 (6.9)	167Er(184.3,6677.4)	5094.7 (2.6)	145Nd(7110.8,6093.9)
5044.0 (16.2)	57Fe(810.5,863.6)	5096.1 (20.6)	141Pr(176.9,140.9)
5047.2 (4.2)	natS(841.1,5420.5)	5096.4 (23.8)	160Dy(6087.3,48.9)
5048.0 (8.5)	65Cu(186.0,465.2)	5097.7 (6.9)	167Er(184.3,6677.4)
5048.3 (6.3)	145Nd(7110.8,6093.9)	5097.7 (100.0)	139La(5097.7,4842.7)
5049.1 (58.1)	76Ge(5912.9,5049.1)	5098.5 (93.5)	196Pt(5846.3,649.2)
5050.2 (6.1)	199Hg(367.9,5967.4)	5099.7 (2.5)	108Pd(113.4,245.1)
5051.0 (2.2)	205Tl(304.9,266.1)	5100.3 (2.6)	81Br(29.1,287.7)
5051.3 (2.6)	166Er(207.8,798.8)	5102.2 (15.0)	181Ta(270.4,5965.0)
5052.8 (3.4)	141Pr(176.9,140.9)	5103.0 (16.1)	197Au(214.8,6252.6)
5052.9 (10.8)	191Ir(6080.6,5957.5)	5103.3 (7.7)	93Nb(99.4,255.9)
5054.6 (6.8)	81Br(29.1,287.7)	5103.7 (62.4)	100Mo(180.7,237.6)
5055.2 (2.8)	160Dy(6087.3,48.9)	5104.0 (2.2)	205Tl(304.9,266.1)
5058.1 (2.1)	167Er(184.3,6677.4)	5105.2 (6.8)	191Ir(6080.6,5957.5)
5059.4 (3.1)	171Yb(5538.8,5690.9)	5107.2 (5.5)	natSi(3539.1,4934.4)
5060.9 (14.4)	19F(582.2,3589.3)	5107.4 (2.2)	137Ba(1435.9,5730.8)
5062.5 (4.0)	181Ta(270.4,5965.0)	5107.7 (2.7)	167Er(184.3,6677.4)
5063.5 (2.3)	70Ge(499.9,174.9)	5107.9 (6.7)	104Ru(143.2,159.3)
5064.3 (5.4)	191Ir(6080.6,5957.5)	5108.7 (2.3)	165Ho(136.7,116.8)
5066.5 (4.9)	174Hf(125.7,5842.2)	5108.8 (3.0)	103Rh(217.9,5346.6)
5066.6 (10.1)	179Hf(5572.4,4707.8)	5109.5 (2.8)	197Au(214.8,6252.6)
5068.3 (15.2)	55Mn(26.6,7243.8)	5110.8 (3.7)	164Dy(184.3,538.5)
5069.4 (2.7)	natK(770.3,2073.6)	5111.0 (17.3)	156Gd(5268.0,6359.6)
5069.6 (2.2)	243Am(87.7,75.3)	5111.5 (24.6)	167Er(184.3,6677.4)
5070.3 (3.0)	93Nb(99.4,255.9)	5114.6 (18.6)	167Er(184.3,6677.4)
5070.8 (20.4)	167Er(184.3,6677.4)	5116.4 (6.1)	81Br(29.1,287.7)
5070.8 (14.3)	240Pu(4276.5,4151.3)	5116.4 (5.6)	183W(111.2,903.3)
5071.1 (38.9)	179Hf(5572.4,4707.8)	5117.7 (3.3)	230Th(185.7,4284.9)
5071.4 (4.1)	193Ir(371.5,112.2)	5117.8 (2.6)	160Dy(6087.3,48.9)
5072.0 (2.5)	162Dy(351.1,421.9)	5117.9 (6.1)	152Sm(127.3,35.8)
5073.2 (2.9)	145Nd(7110.8,6093.9)	5118.0 (8.0)	184Os(431.2,6588.0)
5073.2 (7.3)	187Re(63.6,290.7)	5118.7 (3.4)	197Au(214.8,6252.6)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
5119.4 (10.0)	167Er (184.3, 6677.4)	5165.7 (31.1)	191Ir (6080.6, 5957.5)
5119.9 (6.8)	191Ir (6080.6, 5957.5)	5165.8 (19.3)	78Se (6866.8, 5873.8)
5120.7 (2.3)	190Os (5146.8, 527.5)	5169.0 (2.2)	205Tl (304.9, 266.1)
5121.2 (7.2)	122Te (158.9, 439.9)	5169.1 (12.2)	122Te (158.9, 439.9)
5123.0 (9.0)	181Ta (270.4, 5965.0)	5169.9 (46.2)	167Er (184.3, 6677.4)
5123.8 (58.0)	239Pu (5575.0, 5123.8)	5172.4 (9.2)	152Sm (127.3, 35.8)
5125.5 (20.7)	104Ru (143.2, 159.3)	5173.4 (3.2)	195Pt (355.7, 333.0)
5126.3 (17.0)	139La (5097.7, 4842.7)	5173.8 (5.6)	natK (770.3, 2073.6)
5128.0 (23.0)	191Ir (6080.6, 5957.5)	5174.0 (2.4)	241Am (186.4, 154.6)
5129.1 (4.3)	203Tl (139.9, 319.3)	5174.7 (4.1)	197Au (214.8, 6252.6)
5130.9 (2.4)	139La (5097.7, 4842.7)	5174.9 (3.3)	171Yb (5538.8, 5690.9)
5131.1 (6.7)	81Br (29.1, 287.7)	5176.9 (53.5)	238Pu (462.2, 434.9)
5134.1 (9.4)	27Al (7723.9, 2960.0)	5177.3 (3.5)	164Dy (184.3, 538.5)
5134.8 (3.0)	187Re (63.6, 290.7)	5177.6 (2.0)	185Re (59.0, 214.6)
5135.2 (9.7)	160Dy (6087.3, 48.9)	5178.0 (2.7)	191Ir (6080.6, 5957.5)
5135.9 (2.2)	172Yb (399.4, 116.1)	5178.2 (2.1)	193Ir (371.5, 112.2)
5137.7 (14.9)	191Ir (6080.6, 5957.5)	5179.0 (4.1)	170Yb (6614.7, 804.7)
5137.8 (15.9)	196Pt (5846.3, 649.2)	5180.0 (2.7)	93Nb (99.4, 255.9)
5137.9 (8.9)	141Pr (176.9, 140.9)	5181.5 (12.8)	203Tl (139.9, 319.3)
5140.2 (3.5)	185Re (59.0, 214.6)	5181.6 (21.1)	55Mn (26.6, 7243.8)
5140.7 (28.8)	141Pr (176.9, 140.9)	5181.7 (5.6)	59Co (58.9, 229.7)
5141.1 (6.4)	197Au (214.8, 6252.6)	5182.3 (3.2)	78Se (6866.8, 5873.8)
5141.8 (7.5)	167Er (184.3, 6677.4)	5183.0 (4.8)	81Br (29.1, 287.7)
5142.3 (16.1)	51V (22.8, 125.1)	5184.6 (3.2)	171Yb (5538.8, 5690.9)
5142.4 (4.3)	164Dy (184.3, 538.5)	5184.9 (2.2)	193Ir (371.5, 112.2)
5142.9 (6.0)	168Er (64.6, 4908.8)	5185.1 (2.7)	167Er (184.3, 6677.4)
5143.0 (15.6)	205Tl (304.9, 266.1)	5185.2 (8.1)	191Ir (6080.6, 5957.5)
5145.5 (5.1)	164Dy (184.3, 538.5)	5189.3 (5.3)	88Sr (1032.0, 934.5)
5146.0 (13.3)	134Ba (5389.0, 4520.0)	5190.1 (2.0)	63Cu (7916.3, 278.2)
5146.6 (100.0)	48Ca (5146.6, 2023.2)	5192.5 (3.8)	167Er (184.3, 6677.4)
5146.7 (40.5)	191Ir (6080.6, 5957.5)	5193.4 (4.2)	93Nb (99.4, 255.9)
5146.8 (100.0)	190Os (5146.8, 527.5)	5194.0 (7.7)	134Cs (7339.3, 6160.4)
5147.0 (14.2)	171Yb (5538.8, 5690.9)	5194.8 (6.9)	31P (3900.3, 2154.2)
5147.3 (27.2)	150Sm (167.8, 5281.1)	5195.3 (21.6)	191Ir (6080.6, 5957.5)
5149.8 (48.6)	144Sm (5863.0, 5149.8)	5195.9 (2.6)	163Dy (688.4, 754.8)
5149.9 (8.5)	197Au (214.8, 6252.6)	5196.0 (7.2)	71Ga (145.1, 192.0)
5151.3 (7.8)	160Dy (6087.3, 48.9)	5197.6 (3.6)	127I (133.6, 27.4)
5153.5 (10.6)	197Au (214.8, 6252.6)	5199.0 (5.3)	158Gd (5942.0, 5434.0)
5153.6 (7.0)	103Rh (217.9, 5346.6)	5199.1 (4.7)	55Mn (26.6, 7243.8)
5154.5 (3.3)	76Se (239.0, 520.6)	5200.0 (12.4)	167Er (184.3, 6677.4)
5154.6 (8.1)	238Pu (462.2, 434.9)	5202.7 (2.3)	103Rh (217.9, 5346.6)
5155.0 (11.3)	94Mo (7165.0, 6721.0)	5205.0 (12.0)	46Ti (158.6, 1391.5)
5155.6 (6.8)	191Ir (6080.6, 5957.5)	5205.2 (5.3)	103Rh (217.9, 5346.6)
5157.0 (23.5)	241Pu (5476.9, 5289.9)	5205.3 (2.1)	88Sr (1032.0, 934.5)
5158.1 (2.2)	88Sr (1032.0, 934.5)	5205.5 (2.6)	76Se (239.0, 520.6)
5158.1 (2.4)	193Ir (371.5, 112.2)	5206.0 (3.3)	141Pr (176.9, 140.9)
5158.1 (2.1)	103Rh (217.9, 5346.6)	5206.0 (6.0)	184Os (431.2, 6588.0)
5160.0 (2.7)	71Ga (145.1, 192.0)	5206.1 (84.9)	50Ti (1166.6, 5206.1)
5160.9 (13.1)	139La (5097.7, 4842.7)	5206.4 (2.8)	197Au (214.8, 6252.6)
5161.0 (3.6)	158Gd (5942.0, 5434.0)	5207.6 (12.3)	145Nd (7110.8, 6093.9)
5163.5 (2.9)	45Sc (227.8, 142.5)	5207.8 (5.4)	167Er (184.3, 6677.4)
5164.0 (52.9)	182W (6190.0, 4249.0)	5207.9 (2.4)	93Nb (99.4, 255.9)
5164.8 (2.3)	183W (111.2, 903.3)	5210.1 (2.2)	45Sc (227.8, 142.5)
5165.4 (7.0)	181Ta (270.4, 5965.0)	5210.1 (20.0)	51V (22.8, 125.1)
5165.7 (12.6)	44Ca (174.3, 5515.0)	5210.2 (8.2)	166Er (207.8, 798.8)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
5211.8 (9.2)	108Pd(113.4,245.1)	5257.7 (3.2)	166Er(207.8,798.8)
5212.5 (24.8)	167Er(184.3,6677.4)	5258.6 (16.3)	167Er(184.3,6677.4)
5215.0 (7.3)	75Se(559.1,8724.4)	5258.7 (3.1)	63Cu(7916.3,278.2)
5217.0 (9.0)	162Dy(351.1,421.9)	5258.8 (10.8)	191Ir(6080.6,5957.5)
5217.6 (9.0)	162Dy(351.1,421.9)	5259.0 (2.9)	158Gd(5942.0,5434.0)
5217.8 (2.8)	197Au(214.8,6252.6)	5260.0 (25.2)	186W(59.2,145.8)
5218.2 (9.0)	162Dy(351.1,421.9)	5261.8 (74.6)	186W(59.2,145.8)
5218.5 (21.6)	191Ir(6080.6,5957.5)	5262.1 (75.5)	46Ca(2013.6,5262.1)
5218.7 (8.8)	167Er(184.3,6677.4)	5262.8 (4.9)	193Ir(371.5,112.2)
5221.8 (9.0)	162Dy(351.1,421.9)	5262.8 (7.1)	203Tl(139.9,319.3)
5221.9 (2.9)	50Cr(749.0,8512.1)	5266.2 (27.3)	31P(3900.3,2154.2)
5223.0 (16.1)	57Fe(810.5,863.6)	5266.4 (12.7)	103Rh(217.9,5346.6)
5223.0 (3.0)	71Ga(145.1,192.0)	5266.7 (15.2)	174Yb(514.9,5266.7)
5223.1 (2.5)	197Au(214.8,6252.6)	5267.4 (6.6)	45Sc(227.8,142.5)
5224.1 (16.0)	78Se(6866.8,5873.8)	5268.0(100.0)	156Gd(5268.0,6359.6)
5225.0 (3.9)	123Sb(87.6,40.8)	5268.0 (5.1)	158Gd(5942.0,5434.0)
5226.1 (7.8)	197Au(214.8,6252.6)	5269.0 (9.6)	52Cr(7938.6,564.0)
5227.7 (7.0)	181Ta(270.4,5965.0)	5269.2(100.0)	natN(5269.2,1884.8)
5228.5 (2.4)	159Tb(75.1,63.7)	5269.6 (2.1)	70Ge(499.9,174.9)
5230.0 (8.1)	68Zn(1008.0,5474.0)	5269.6 (8.5)	241Pu(5476.9,5289.9)
5230.2 (2.0)	123Sb(87.6,40.8)	5270.4 (2.2)	59Co(58.9,229.7)
5231.6 (2.7)	171Yb(5538.8,5690.9)	5270.8 (3.5)	160Dy(6087.3,48.9)
5233.3 (4.0)	167Er(184.3,6677.4)	5271.0 (7.0)	184Os(431.2,6588.0)
5233.9 (3.5)	176Yb(104.5,151.6)	5271.0 (18.5)	190Os(5146.8,527.5)
5234.0 (6.8)	71Ga(145.1,192.0)	5271.9 (5.0)	171Yb(5538.8,5690.9)
5234.4 (36.9)	179Hf(5572.4,4707.8)	5272.1 (7.1)	197Au(214.8,6252.6)
5237.1 (2.8)	73Ge(595.8,867.9)	5272.2 (4.7)	167Er(184.3,6677.4)
5238.0 (16.4)	152Sm(127.3,35.8)	5272.9 (2.9)	137Ba(1435.9,5730.8)
5238.3 (2.7)	103Rh(217.9,5346.6)	5276.0(100.0)	192Os(5276.0,5583.3)
5238.3 (2.3)	72Ge(326.0,6390.2)	5276.5 (4.1)	86Sr(484.8,8039.2)
5240.8 (4.1)	150Sm(167.8,5281.1)	5276.8 (10.0)	150Nd(189.1,57.7)
5241.0 (12.1)	160Gd(5280.0,394.7)	5277.4 (14.9)	167Er(184.3,6677.4)
5242.4 (4.5)	171Yb(5538.8,5690.9)	5279.2 (2.5)	185Re(59.0,214.6)
5242.5 (17.0)	167Er(184.3,6677.4)	5279.5 (6.7)	197Au(214.8,6252.6)
5242.9 (3.0)	183W(111.2,903.3)	5280.0(100.0)	160Gd(5280.0,394.7)
5242.9 (5.0)	243Am(87.7,75.3)	5280.6 (9.0)	181Ta(270.4,5965.0)
5243.0 (9.6)	151Sm(3751.0,4399.0)	5281.1 (67.9)	150Sm(167.8,5281.1)
5244.4 (9.5)	197Au(214.8,6252.6)	5281.2 (17.8)	203Tl(139.9,319.3)
5245.2 (6.5)	241Pu(5476.9,5289.9)	5281.7 (25.0)	148Sm(5532.7,4914.2)
5245.6 (2.9)	159Tb(75.1,63.7)	5282.5 (23.0)	191Ir(6080.6,5957.5)
5245.8 (38.0)	181Ta(270.4,5965.0)	5282.6 (7.3)	150Sm(167.8,5281.1)
5245.9 (17.8)	65Cu(186.0,465.2)	5284.4 (4.1)	170Yb(6614.7,804.7)
5245.9 (2.3)	234U(637.8,129.3)	5284.6 (5.6)	183W(111.2,903.3)
5247.1 (2.4)	natCl(1950.9,6110.9)	5285.7 (7.3)	167Er(184.3,6677.4)
5247.4 (6.5)	168Yb(191.2,720.0)	5286.0 (5.1)	81Br(29.1,287.7)
5248.5 (8.1)	191Ir(6080.6,5957.5)	5286.2 (2.4)	45Sc(227.8,142.5)
5250.2 (2.1)	159Tb(75.1,63.7)	5286.4 (2.3)	171Yb(5538.8,5690.9)
5250.7 (5.6)	190Os(5146.8,527.5)	5289.9 (5.4)	150Sm(167.8,5281.1)
5251.4 (4.7)	150Sm(167.8,5281.1)	5289.9 (36.0)	241Pu(5476.9,5289.9)
5252.2 (11.3)	81Br(29.1,287.7)	5291.0 (2.7)	191Ir(6080.6,5957.5)
5252.5 (3.0)	93Nb(99.4,255.9)	5292.6 (53.8)	167Er(184.3,6677.4)
5252.6 (3.9)	174Hf(125.7,5842.2)	5292.7 (38.0)	239Pu(5575.0,5123.8)
5254.3 (6.9)	55Mn(26.6,7243.8)	5293.6 (8.3)	172Yb(399.4,116.1)
5254.4 (6.3)	167Er(184.3,6677.4)	5294.0 (10.4)	134Cs(7339.3,6160.4)
5255.3 (10.4)	195Pt(355.7,333.0)	5295.8 (10.3)	167Er(184.3,6677.4)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
5295.9 (2.6)	natMg(3916.7,2828.1)	5348.3 (3.2)	192Os(5276.0,5583.3)
5297.0 (54.5)	156Gd(5268.0,6359.6)	5348.6 (2.4)	93Nb(99.4,255.9)
5298.0 (70.7)	natN(5269.2,1884.8)	5348.7 (3.5)	187Re(63.6,290.7)
5298.0 (3.3)	205Tl(304.9,266.1)	5349.2 (11.3)	134Cs(7339.3,6160.4)
5301.1 (2.5)	173Yb(176.6,1241.9)	5349.5 (3.2)	103Rh(217.9,5346.6)
5302.6 (4.6)	86Sr(484.8,8039.2)	5351.0 (2.8)	166Er(207.8,798.8)
5302.7 (59.4)	100Ru(6267.0,5302.7)	5353.3 (9.4)	179Hf(5572.4,4707.8)
5303.0 (3.5)	197Au(214.8,6252.6)	5354.8 (2.3)	185Re(59.0,214.6)
5303.6 (24.3)	191Ir(6080.6,5957.5)	5355.0 (6.0)	197Au(214.8,6252.6)
5305.1 (2.4)	96Mo(481.0,720.5)	5356.0 (4.0)	160Dy(6087.3,48.9)
5306.0 (4.2)	158Gd(5942.0,5434.0)	5356.0 (20.3)	191Ir(6080.6,5957.5)
5306.5 (2.2)	160Dy(6087.3,48.9)	5356.5 (9.1)	204Pb(2.3,6729.4)
5307.6 (2.6)	195Pt(355.7,333.0)	5358.2 (6.5)	193Ir(371.5,112.2)
5307.9 (2.5)	93Nb(99.4,255.9)	5359.2 (2.3)	134Cs(7339.3,6160.4)
5308.0 (3.7)	197Au(214.8,6252.6)	5359.7 (61.5)	167Er(184.3,6677.4)
5310.8 (58.0)	150Sm(167.8,5281.1)	5361.5 (33.4)	86Sr(484.8,8039.2)
5312.2 (52.6)	92Zr(1426.8,5312.2)	5362.0 (2.4)	115Sn(1293.6,972.6)
5312.4 (3.8)	135Ba(818.7,1261.8)	5363.0 (10.0)	188Os(5414.9,343.5)
5312.6 (3.5)	58Ni(8998.4,8533.4)	5363.8 (2.2)	93Nb(99.4,255.9)
5313.4 (5.4)	191Ir(6080.6,5957.5)	5365.2 (3.9)	197Au(214.8,6252.6)
5316.9 (2.6)	193Ir(371.5,112.2)	5367.3 (4.0)	145Nd(7110.8,6093.9)
5320.0 (18.9)	186W(59.2,145.8)	5368.0 (4.8)	73Ge(595.8,867.9)
5320.2 (15.0)	65Cu(186.0,465.2)	5368.6 (9.5)	74Ge(574.7,253.7)
5320.5 (6.9)	167Er(184.3,6677.4)	5369.2 (25.6)	167Er(184.3,6677.4)
5320.9 (52.3)	186W(59.2,145.8)	5370.2 (31.2)	188Os(5414.9,343.5)
5321.0 (8.6)	156Gd(5268.0,6359.6)	5371.8 (31.6)	134Cs(7339.3,6160.4)
5321.0 (18.5)	160Gd(5280.0,394.7)	5373.2 (16.3)	167Er(184.3,6677.4)
5322.8 (2.2)	103Rh(217.9,5346.6)	5375.3 (9.5)	191Ir(6080.6,5957.5)
5323.0 (2.6)	94Mo(7165.0,6721.0)	5378.7 (15.1)	167Er(184.3,6677.4)
5326.3 (25.7)	191Ir(6080.6,5957.5)	5380.6 (17.3)	natK(770.3,2073.6)
5326.5 (13.8)	88Sr(1032.0,934.5)	5381.5 (15.5)	142Nd(742.1,563.8)
5328.0 (9.3)	46Ti(158.6,1391.5)	5382.9 (3.0)	160Dy(6087.3,48.9)
5331.5 (3.4)	175Lu(71.5,225.4)	5383.9 (3.0)	70Ge(499.9,174.9)
5332.1 (3.6)	160Dy(6087.3,48.9)	5384.4 (8.1)	191Ir(6080.6,5957.5)
5332.1 (13.5)	191Ir(6080.6,5957.5)	5385.0 (19.1)	158Gd(5942.0,5434.0)
5333.0 (3.8)	71Ga(145.1,192.0)	5386.0 (2.2)	205Tl(304.9,266.1)
5333.6 (2.1)	174Hf(125.7,5842.2)	5387.1 (6.2)	152Sm(127.3,35.8)
5333.8 (3.9)	134Cs(7339.3,6160.4)	5387.2 (3.9)	197Au(214.8,6252.6)
5334.6 (2.7)	150Nd(189.1,57.7)	5388.2 (2.2)	167Er(184.3,6677.4)
5335.9 (3.6)	45Sc(227.8,142.5)	5388.4 (4.7)	199Hg(367.9,5967.4)
5336.8 (2.1)	167Er(184.3,6677.4)	5389.0 (100.0)	134Ba(5389.0,4520.0)
5336.8 (9.8)	172Yb(399.4,116.1)	5389.1 (2.3)	63Ni(1345.8,9656.9)
5337.9 (20.2)	134Cs(7339.3,6160.4)	5391.3 (5.2)	171Yb(5538.8,5690.9)
5338.3 (3.6)	123Sb(87.6,40.8)	5393.7 (2.3)	195Pt(355.7,333.0)
5339.0 (7.2)	71Ga(145.1,192.0)	5396.6 (7.0)	181Ta(270.4,5965.0)
5341.6 (20.0)	190Os(5146.8,527.5)	5396.6 (4.1)	197Au(214.8,6252.6)
5343.3 (35.0)	181Ta(270.4,5965.0)	5398.1 (4.6)	100Mo(180.7,237.6)
5344.0 (3.6)	196Pt(5846.3,649.2)	5398.1 (3.6)	167Er(184.3,6677.4)
5344.2 (4.6)	167Er(184.3,6677.4)	5400.0 (10.8)	191Ir(6080.6,5957.5)
5344.8 (3.0)	145Nd(7110.8,6093.9)	5402.7 (4.1)	181Ta(270.4,5965.0)
5345.0 (6.7)	158Gd(5942.0,5434.0)	5403.2 (2.1)	157Gd(181.9,79.5)
5346.2 (2.5)	197Au(214.8,6252.6)	5403.3 (31.8)	134Cs(7339.3,6160.4)
5346.6 (16.1)	103Rh(217.9,5346.6)	5404.5 (2.2)	55Mn(26.6,7243.8)
5347.3 (5.4)	191Ir(6080.6,5957.5)	5405.3 (11.6)	203Tl(139.9,219.3)
5348.1 (8.6)	167Er(184.3,6677.4)	5405.8 (13.3)	64Ni(6034.8,310.2)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
5405.9 (15.4)	167Er (184.3, 6677.4)	5464.0 (2.1)	129I (6408.4, 5821.7)
5408.0 (7.3)	123Sb (87.6, 40.8)	5464.9 (2.1)	103Rh (217.9, 5346.6)
5408.0 (11.4)	156Gd (5268.0, 6359.6)	5465.2 (6.5)	134Cs (7339.3, 6160.4)
5408.8 (19.3)	86Sr (484.8, 8039.2)	5467.4 (7.4)	193Ir (371.5, 112.2)
5411.0 (6.6)	27Al (7723.9, 2960.0)	5468.3 (2.9)	168Yb (191.2, 720.0)
5411.5 (2.4)	171Yb (5538.8, 5690.9)	5468.7 (2.6)	145Nd (7110.8, 6093.9)
5411.9 (7.0)	181Ta (270.4, 5965.0)	5468.8 (13.3)	167Er (184.3, 6677.4)
5412.3 (33.0)	148Sm (5532.7, 4914.2)	5471.1 (2.9)	81Br (29.1, 287.7)
5413.6 (2.4)	81Br (29.1, 287.7)	5473.4 (4.7)	133Cs (11.2, 116.4)
5414.4 (3.4)	123Sb (87.6, 40.8)	5473.4 (2.6)	167Er (184.3, 6677.4)
5414.9 (100.0)	188Os (5414.9, 343.5)	5473.4 (7.0)	201Hg (439.5, 520.3)
5415.0 (17.7)	104Ru (143.2, 159.3)	5474.0 (88.5)	68Zn (1008.0, 5474.0)
5415.0 (5.0)	184Os (431.2, 6588.0)	5474.4 (3.8)	197Au (214.8, 6252.6)
5418.5 (5.6)	63Cu (7916.3, 278.2)	5476.0 (100.0)	138Ce (5476.0, 4938.0)
5419.5 (12.0)	58Fe (287.0, 6293.6)	5476.9 (100.0)	241Pu (5476.9, 5289.9)
5420.0 (8.1)	191Ir (6080.6, 5957.5)	5477.0 (4.4)	158Gd (5942.0, 5434.0)
5420.1 (16.1)	76Ge (5912.9, 5049.1)	5477.9 (29.5)	179Hf (5572.4, 4707.8)
5420.5 (78.2)	natS (841.1, 5420.5)	5480.3 (4.3)	108Pd (113.4, 245.1)
5420.5 (3.5)	74Ge (574.7, 253.7)	5481.0 (4.3)	192Os (5276.0, 5583.3)
5420.6 (5.8)	196Pt (5846.3, 649.2)	5481.3 (17.8)	134Cs (7339.3, 6160.4)
5421.2 (26.1)	129I (6408.4, 5821.7)	5481.6 (38.3)	188Os (5414.9, 343.5)
5421.3 (3.8)	54Cr (6246.4, 241.9)	5481.6 (2.7)	45Sc (227.8, 142.5)
5422.0 (8.9)	205Tl (304.9, 266.1)	5484.4 (9.5)	191Ir (6080.6, 5957.5)
5422.1 (7.0)	154Gd (86.5, 105.3)	5485.0 (6.8)	156Gd (5268.0, 6359.6)
5425.3 (2.5)	167Er (184.3, 6677.4)	5488.0 (5.5)	193Ir (371.5, 112.2)
5430.5 (25.7)	191Ir (6080.6, 5957.5)	5489.0 (4.0)	69Ga (508.4, 691.0)
5431.7 (3.9)	108Pd (113.4, 245.1)	5491.4 (2.2)	50Cr (749.0, 8512.1)
5432.9 (7.4)	55Mn (26.6, 7243.8)	5491.5 (20.0)	148Sm (5532.7, 4914.2)
5434.0 (35.6)	158Gd (5942.0, 5434.0)	5491.7 (30.9)	150Sm (167.8, 5281.1)
5434.3 (19.6)	167Er (184.3, 6677.4)	5493.3 (6.8)	191Ir (6080.6, 5957.5)
5434.6 (9.0)	181Ta (270.4, 5965.0)	5493.5 (22.8)	133Cs (11.2, 116.4)
5435.0 (3.5)	103Rh (217.9, 5346.6)	5493.7 (7.8)	197Au (214.8, 6252.6)
5436.6 (7.9)	78Se (6866.8, 5873.8)	5493.9 (16.5)	57Fe (810.5, 863.6)
5437.0 (7.1)	55Mn (26.6, 7243.8)	5494.5 (7.3)	129I (6408.4, 5821.7)
5439.4 (3.2)	81Br (29.1, 287.7)	5494.5 (2.5)	50Cr (749.0, 8512.1)
5441.0 (23.8)	168Er (64.6, 4908.8)	5496.1 (6.7)	93Nb (99.4, 255.9)
5444.0 (9.6)	104Ru (143.2, 159.3)	5497.0 (10.0)	181Ta (270.4, 5965.0)
5444.0 (5.8)	180Hf (5695.9, 5649.7)	5503.6 (11.4)	167Er (184.3, 6677.4)
5444.7 (5.4)	76Ge (5912.9, 5049.1)	5505.0 (27.8)	205Tl (304.9, 266.1)
5446.0 (2.8)	45Sc (227.8, 142.5)	5505.6 (34.3)	133Cs (11.2, 116.4)
5446.1 (2.0)	175Lu (71.5, 225.4)	5507.5 (3.6)	54Fe (9297.8, 412.0)
5446.7 (4.1)	123Sb (87.6, 40.8)	5508.0 (8.0)	184Os (431.2, 6588.0)
5447.0 (7.0)	184Os (431.2, 6588.0)	5508.5 (2.0)	103Rh (217.9, 5346.6)
5447.5 (21.6)	191Ir (6080.6, 5957.5)	5508.6 (11.9)	167Er (184.3, 6677.4)
5449.2 (2.7)	137Ba (1435.9, 5730.8)	5509.5 (2.6)	79Br (37.1, 245.2)
5450.2 (10.0)	162Dy (351.1, 421.9)	5510.0 (6.4)	natK (770.3, 2073.6)
5450.7 (6.8)	70Ge (499.9, 174.9)	5515.0 (3.3)	natCa (1942.0, 6419.9)
5451.8 (6.8)	natMg (3916.7, 2828.1)	5515.0 (70.5)	44Ca (174.3, 5515.0)
5452.0 (6.3)	203Tl (139.9, 319.3)	5515.3 (3.7)	171Yb (5538.8, 5690.9)
5453.3 (3.6)	152Sm (127.3, 35.8)	5515.7 (18.0)	181Ta (270.4, 5965.0)
5457.6 (3.4)	102Ru (174.0, 136.1)	5515.8 (32.9)	51V (22.8, 125.1)
5460.0 (25.7)	191Ir (6080.6, 5957.5)	5516.4 (2.3)	167Er (184.3, 6677.4)
5460.2 (7.4)	167Er (184.3, 6677.4)	5516.4 (21.6)	191Ir (6080.6, 5957.5)
5462.7 (5.0)	152Sm (127.3, 35.8)	5517.3 (8.0)	natCl (1950.9, 6110.9)
5462.9 (4.1)	197Au (214.8, 6252.6)	5518.3 (66.2)	72Ge (326.0, 6390.2)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
5518.9 (2.9)	193Ir (371.5, 112.2)	5570.5 (2.2)	176Lu (150.4, 138.6)
5519.4 (23.4)	19F (582.2, 3589.3)	5570.9 (2.2)	74Se (286.6, 7734.1)
5520.0 (2.9)	64Zn (7863.0, 751.0)	5571.0 (18.0)	167Er (184.3, 6677.4)
5522.3 (7.1)	103Rh (217.9, 5346.6)	5572.1 (21.3)	133Cs (11.2, 116.4)
5522.4 (2.0)	203Tl (139.9, 319.3)	5572.4 (100.0)	179Hf (5572.4, 4707.8)
5524.4 (14.8)	197Au (214.8, 6252.6)	5573.2 (3.4)	187Os (155.0, 633.1)
5526.2 (4.9)	177Hf (6112.4, 5807.8)	5575.0 (100.0)	239Pu (5575.0, 5123.8)
5526.9 (2.9)	natMg (3916.7, 2828.1)	5575.3 (6.3)	145Nd (7110.8, 6093.9)
5527.4 (37.3)	55Mn (26.6, 7243.8)	5575.6 (35.0)	177Hf (6112.4, 5807.8)
5527.8 (3.0)	103Rh (217.9, 5346.6)	5575.8 (10.9)	170Yb (6614.7, 804.7)
5528.0 (3.1)	104Ru (143.2, 159.3)	5576.4 (6.6)	98Mo (97.6, 351.0)
5529.0 (2.1)	189Os (186.7, 558.0)	5577.2 (9.3)	196Pt (5846.3, 649.2)
5529.3 (2.9)	129I (6408.4, 5821.7)	5577.4 (4.8)	86Sr (484.8, 8039.2)
5532.4 (2.5)	31P (3900.3, 2154.2)	5580.2 (12.0)	75As (6810.5, 7020.1)
5532.7 (100.0)	148Sm (5532.7, 4914.2)	5581.8 (3.2)	129I (6408.4, 5821.7)
5533.0 (34.1)	156Gd (5268.0, 6359.6)	5582.0 (14.6)	natAr (167.3, 4745.0)
5533.2 (6.8)	167Er (184.3, 6677.4)	5582.1 (2.6)	157Gd (181.9, 79.5)
5533.4 (62.2)	natN (5269.2, 1884.8)	5583.3 (67.8)	192Os (5276.0, 5583.3)
5533.7 (2.6)	183W (111.2, 903.3)	5583.8 (2.3)	45Sc (227.8, 142.5)
5533.7 (44.6)	191Ir (6080.6, 5957.5)	5583.8 (10.0)	181Ta (270.4, 5965.0)
5533.9 (26.8)	75As (6810.5, 7020.1)	5583.8 (3.9)	47Ti (983.5, 1312.1)
5534.0 (5.8)	81Br (29.1, 287.7)	5584.0 (6.9)	122Te (158.9, 439.9)
5534.3 (11.1)	203Tl (139.9, 319.3)	5584.9 (2.3)	natCl (1950.9, 6110.9)
5538.8 (100.0)	171Yb (5538.8, 5690.9)	5585.1 (4.1)	191Ir (6080.6, 5957.5)
5539.9 (3.2)	197Au (214.8, 6252.6)	5585.5 (3.2)	27Al (7723.9, 2960.0)
5540.0 (14.0)	138Ce (5476.0, 4938.0)	5585.7 (6.7)	167Er (184.3, 6677.4)
5540.5 (2.3)	75As (6810.5, 7020.1)	5587.5 (3.5)	145Nd (7110.8, 6093.9)
5541.0 (3.3)	64Zn (7863.0, 751.0)	5588.4 (23.3)	104Ru (143.2, 159.3)
5542.0 (5.2)	192Os (5276.0, 5583.3)	5591.3 (2.6)	93Nb (99.4, 255.9)
5545.7 (8.0)	134Cs (7339.3, 6160.4)	5591.6 (35.8)	150Sm (167.8, 5281.1)
5546.0 (3.2)	75As (6810.5, 7020.1)	5594.6 (21.6)	191Ir (6080.6, 5957.5)
5547.9 (4.0)	103Rh (217.9, 5346.6)	5594.6 (7.7)	197Au (214.8, 6252.6)
5549.0 (10.5)	156Gd (5268.0, 6359.6)	5594.8 (3.2)	160Dy (6087.3, 48.9)
5550.5 (13.5)	134Cs (7339.3, 6160.4)	5595.6 (2.1)	168Yb (191.2, 720.0)
5551.2 (2.3)	51V (22.8, 125.1)	5598.3 (2.4)	123Sb (87.6, 40.8)
5552.3 (10.8)	191Ir (6080.6, 5957.5)	5598.6 (2.3)	177Hf (6112.4, 5807.8)
5555.1 (2.0)	171Yb (5538.8, 5690.9)	5601.0 (18.8)	76Se (239.0, 520.6)
5555.2 (5.9)	129I (6408.4, 5821.7)	5601.0 (11.2)	71Ga (145.1, 192.0)
5556.8 (5.0)	81Br (29.1, 287.7)	5601.3 (2.5)	75As (6810.5, 7020.1)
5557.3 (16.9)	164Dy (184.3, 538.5)	5603.0 (2.5)	59Co (58.9, 229.7)
5557.4 (8.0)	181Ta (270.4, 5965.0)	5604.4 (24.0)	203Tl (139.9, 319.3)
5558.9 (6.2)	49Ti (1553.8, 1121.1)	5604.5 (4.6)	123Sb (87.6, 40.8)
5559.2 (4.1)	127I (133.6, 27.4)	5605.2 (9.4)	177Hf (6112.4, 5807.8)
5560.0 (7.9)	64Zn (7863.0, 751.0)	5607.6 (14.2)	134Cs (7339.3, 6160.4)
5562.0 (2.1)	51V (22.8, 125.1)	5607.8 (21.0)	164Dy (184.3, 538.5)
5562.1 (33.6)	natN (5269.2, 1884.8)	5611.5 (35.1)	191Ir (6080.6, 5957.5)
5563.5 (3.1)	121Sb (61.4, 78.1)	5611.8 (2.1)	133Cs (11.2, 116.4)
5564.0 (31.4)	156Gd (5268.0, 6359.6)	5612.3 (18.0)	177Hf (6112.4, 5807.8)
5564.0 (10.0)	184Os (431.2, 6588.0)	5612.5 (2.5)	195Pt (355.7, 333.0)
5564.4 (55.4)	191Ir (6080.6, 5957.5)	5614.7 (2.2)	59Co (58.9, 229.7)
5565.5 (2.9)	193Ir (371.5, 112.2)	5615.0 (2.6)	75As (6810.5, 7020.1)
5565.8 (5.0)	133Cs (11.2, 116.4)	5616.6 (23.9)	19F (582.2, 3589.3)
5566.8 (2.0)	99Ru (539.7, 687.0)	5616.7 (8.6)	23Na (472.4, 6395.4)
5568.0 (5.6)	133Cs (11.2, 116.4)	5616.8 (4.1)	103Rh (217.9, 5346.6)
5569.0 (6.3)	75As (6810.5, 7020.1)	5617.1 (20.0)	148Sm (5532.7, 4914.2)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
5618.2(24.7)	52Cr(7938.6,564.0)	5673.7(32.3)	167Er(184.3,6677.4)
5619.1(3.6)	natN(5269.2,1884.8)	5674.4(7.6)	190Os(5146.8,527.5)
5619.3(2.0)	121Sb(61.4,78.1)	5674.7(2.8)	103Rh(217.9,5346.6)
5620.6(6.3)	197Au(214.8,6252.6)	5675.2(4.7)	129I(6408.4,5821.7)
5621.0(4.1)	156Gd(5268.0,6359.6)	5675.9(18.8)	75As(6810.5,7020.1)
5621.1(6.3)	74Ge(574.7,253.7)	5676.7(2.0)	157Gd(181.9,79.5)
5623.1(14.7)	167Er(184.3,6677.4)	5677.0(5.9)	156Gd(5268.0,6359.6)
5624.0(3.2)	129I(6408.4,5821.7)	5677.2(2.5)	171Yb(5538.8,5690.9)
5624.0(19.5)	170Yb(6614.7,804.7)	5677.5(3.9)	163Dy(688.4,754.8)
5624.1(3.5)	45Sc(227.8,142.5)	5677.6(17.5)	160Dy(6087.3,48.9)
5625.1(11.4)	133Cs(11.2,116.4)	5677.8(20.8)	179Hf(5572.4,4707.8)
5626.9(2.6)	201Hg(439.5,520.3)	5680.0(9.5)	191Ir(6080.6,5957.5)
5627.0(2.2)	69Ga(508.4,691.0)	5680.4(3.9)	54Cr(6246.4,241.9)
5627.0(19.5)	170Yb(6614.7,804.7)	5680.9(2.0)	189Os(186.7,558.0)
5628.4(13.5)	177Hf(6112.4,5807.8)	5682.0(9.7)	167Er(184.3,6677.4)
5629.5(3.2)	75As(6810.5,7020.1)	5683.9(9.8)	177Hf(6112.4,5807.8)
5630.9(5.1)	193Ir(371.5,112.2)	5684.2(7.4)	75As(6810.5,7020.1)
5633.6(10.0)	239Pu(5575.0,5123.8)	5684.4(42.6)	190Os(5146.8,527.5)
5637.0(2.3)	133Cs(11.2,116.4)	5685.7(4.7)	81Br(29.1,287.7)
5637.1(4.9)	104Ru(143.2,159.3)	5687.8(48.6)	191Ir(6080.6,5957.5)
5637.3(25.6)	133Cs(11.2,116.4)	5688.0(17.1)	19F(582.2,3589.3)
5639.1(2.0)	59Co(58.9,229.7)	5688.8(2.1)	187Re(63.6,290.7)
5639.5(14.3)	177Hf(6112.4,5807.8)	5689.1(7.8)	natNe(2035.4,350.3)
5639.6(4.1)	191Ir(6080.6,5957.5)	5689.4(3.6)	81Br(29.1,287.7)
5640.6(2.2)	133Cs(11.2,116.4)	5690.5(3.6)	167Er(184.3,6677.4)
5642.0(17.3)	167Er(184.3,6677.4)	5690.5(11.8)	75As(6810.5,7020.1)
5642.7(27.4)	203Tl(139.9,319.3)	5690.9(23.8)	171Yb(5538.8,5690.9)
5643.6(5.3)	171Yb(5538.8,5690.9)	5691.0(3.8)	71Ga(145.1,192.0)
5643.7(4.5)	193Ir(371.5,112.2)	5691.6(3.8)	57Fe(810.5,863.6)
5645.6(2.6)	89Y(6080.5,776.7)	5695.7(17.2)	60Ni(7819.6,7820.3)
5645.7(11.6)	145Nd(7110.8,6093.9)	5695.9(100.0)	180Hf(5695.9,5649.7)
5645.7(2.1)	75As(6810.5,7020.1)	5696.0(12.1)	natK(770.3,2073.6)
5646.6(4.7)	238Pu(462.2,434.9)	5696.0(11.1)	60Ni(7819.6,7820.3)
5647.0(16.2)	68Zn(1008.0,5474.0)	5697.8(5.1)	81Br(29.1,287.7)
5649.7(30.4)	180Hf(5695.9,5649.7)	5698.0(8.5)	75As(6810.5,7020.1)
5650.0(2.7)	71Ga(145.1,192.0)	5699.0(3.4)	186Os(427.1,400.8)
5650.9(28.9)	72Ge(326.0,6390.2)	5700.0(3.0)	46Ti(158.6,1391.5)
5652.6(8.8)	81Br(29.1,287.7)	5702.1(4.0)	181Ta(270.4,5965.0)
5654.8(28.4)	191Ir(6080.6,5957.5)	5702.1(2.4)	187Re(63.6,290.7)
5655.2(3.1)	75As(6810.5,7020.1)	5702.9(2.6)	187Os(155.0,633.1)
5658.5(7.6)	199Hg(367.9,5967.4)	5704.8(20.0)	31P(3900.3,2154.2)
5659.0(5.0)	156Gd(5268.0,6359.6)	5706.9(2.7)	171Yb(5538.8,5690.9)
5659.0(5.0)	184Os(431.2,6588.0)	5707.4(9.5)	191Ir(6080.6,5957.5)
5660.5(14.9)	59Co(58.9,229.7)	5708.3(6.8)	170Yb(6614.7,804.7)
5663.5(67.5)	134Cs(7339.3,6160.4)	5710.7(21.3)	197Au(214.8,6252.6)
5663.8(12.4)	75As(6810.5,7020.1)	5711.4(13.5)	167Er(184.3,6677.4)
5664.0(4.5)	156Gd(5268.0,6359.6)	5712.3(2.9)	95Mo(778.3,850.0)
5665.5(2.5)	181Ta(270.4,5965.0)	5712.4(14.3)	177Hf(6112.4,5807.8)
5665.8(2.7)	45Sc(227.8,142.5)	5715.2(3.6)	167Er(184.3,6677.4)
5666.1(83.8)	191Ir(6080.6,5957.5)	5715.3(25.3)	natCl(1950.9,6110.9)
5666.2(39.9)	141Pr(176.9,140.9)	5715.9(7.7)	196Pt(5846.3,649.2)
5667.9(26.5)	19F(582.2,3589.3)	5720.0(2.8)	133Cs(11.2,116.4)
5668.9(2.9)	102Ru(174.0,136.1)	5720.3(7.1)	108Pd(113.4,245.1)
5669.6(12.0)	177Hf(6112.4,5807.8)	5721.0(3.8)	71Ga(145.1,192.0)
5673.3(9.0)	239Pu(5575.0,5123.8)	5721.8(3.8)	57Fe(810.5,863.6)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
5722.9 (4.8)	163Dy (688.4, 754.8)	5781.0 (5.0)	184Os (431.2, 6588.0)
5723.4 (2.8)	75As (6810.5, 7020.1)	5781.3 (43.2)	191Ir (6080.6, 5957.5)
5723.6 (10.0)	178Hf (214.3, 304.0)	5786.8 (12.2)	75As (6810.5, 7020.1)
5724.3 (10.2)	197Au (214.8, 6252.6)	5787.0 (2.3)	104Ru (143.2, 159.3)
5725.2 (5.0)	81Br (29.1, 287.7)	5787.4 (25.6)	145Nd (7110.8, 6093.9)
5725.5 (14.0)	148Sm (5532.7, 4914.2)	5787.8 (26.4)	64Ni (6034.8, 310.2)
5725.8 (6.8)	191Ir (6080.6, 5957.5)	5788.2 (7.8)	167Er (184.3, 6677.4)
5729.0 (10.6)	133Cs (11.2, 116.4)	5788.4 (6.8)	193Ir (371.5, 112.2)
5729.1 (13.4)	193Ir (371.5, 112.2)	5791.1 (15.9)	133Cs (11.2, 116.4)
5730.0 (3.4)	184W (4573.6, 1181.6)	5791.2 (3.3)	171Yb (5538.8, 5690.9)
5730.1 (4.6)	natK (770.3, 2073.6)	5792.5 (20.0)	181Ta (270.4, 5965.0)
5730.8 (24.8)	137Ba (1435.9, 5730.8)	5794.0 (29.5)	156Gd (5268.0, 6359.6)
5732.0 (2.1)	129I (6408.4, 5821.7)	5795.5 (7.7)	76Se (239.0, 520.6)
5733.6 (3.3)	163Dy (688.4, 754.8)	5796.7 (11.5)	183W (111.2, 903.3)
5734.8 (2.3)	177Hf (6112.4, 5807.8)	5798.5 (6.0)	103Rh (217.9, 5346.6)
5737.7 (2.3)	99Ru (539.7, 687.0)	5799.1 (2.6)	174Hf (125.7, 5842.2)
5740.2 (33.8)	72Ge (326.0, 6390.2)	5799.2 (3.3)	167Er (184.3, 6677.4)
5740.3 (2.8)	167Er (184.3, 6677.4)	5801.1 (2.1)	129I (6408.4, 5821.7)
5740.9 (65.9)	152Sm (127.3, 35.8)	5803.0 (11.1)	133Cs (11.2, 116.4)
5742.8 (4.5)	59Co (58.9, 229.7)	5806.6 (16.2)	191Ir (6080.6, 5957.5)
5743.5 (3.8)	45Sc (227.8, 142.5)	5807.0 (2.8)	69Ga (508.4, 691.0)
5743.8 (2.3)	74Ge (574.7, 253.7)	5807.1 (2.3)	154Sm (4987.1, 4876.3)
5744.0 (10.0)	184Os (431.2, 6588.0)	5807.8 (42.1)	177Hf (6112.4, 5807.8)
5745.4 (3.5)	54Fe (9297.8, 412.0)	5808.2 (4.5)	197Au (214.8, 6252.6)
5745.9 (9.5)	191Ir (6080.6, 5957.5)	5810.0 (11.7)	134Ba (5389.0, 4520.0)
5747.0 (3.6)	57Fe (810.5, 863.6)	5812.0 (2.0)	99Ru (539.7, 687.0)
5747.8 (2.5)	196Pt (5846.3, 649.2)	5812.6 (3.0)	181Ta (270.4, 5965.0)
5748.6 (12.9)	133Cs (11.2, 116.4)	5813.0 (4.5)	103Rh (217.9, 5346.6)
5748.8 (14.3)	167Er (184.3, 6677.4)	5813.5 (3.4)	165Ho (136.7, 116.8)
5750.7 (9.8)	104Ru (143.2, 159.3)	5813.9 (13.3)	198Au (493.8, 317.1)
5751.1 (7.0)	86Sr (484.8, 8039.2)	5816.0 (7.3)	78Se (6866.8, 5873.8)
5752.0 (31.3)	51V (22.8, 125.1)	5816.4 (4.4)	75As (6810.5, 7020.1)
5752.4 (11.7)	natK (770.3, 2073.6)	5816.5 (2.5)	31P (3900.3, 2154.2)
5752.7 (4.8)	49Ti (1553.8, 1121.1)	5817.1 (7.2)	70Ge (499.9, 174.9)
5754.1 (36.9)	184W (4573.6, 1181.6)	5817.2 (7.2)	58Ni (8998.4, 8533.4)
5756.3 (10.2)	177Hf (6112.4, 5807.8)	5820.3 (17.0)	154Gd (86.5, 105.3)
5757.2 (10.3)	75As (6810.5, 7020.1)	5821.7 (44.3)	129I (6408.4, 5821.7)
5757.2 (16.2)	191Ir (6080.6, 5957.5)	5822.1 (7.1)	193Ir (371.5, 112.2)
5760.7 (5.1)	85Rb (557.0, 488.0)	5822.7 (3.8)	177Hf (6112.4, 5807.8)
5760.9 (9.7)	55Mn (26.6, 7243.8)	5824.1 (5.4)	60Ni (7819.6, 7820.3)
5762.0 (2.0)	64Zn (7863.0, 751.0)	5824.6 (4.0)	113Cd (558.5, 651.3)
5763.7 (24.1)	177Hf (6112.4, 5807.8)	5824.8 (20.6)	171Yb (5538.8, 5690.9)
5769.2 (8.0)	167Er (184.3, 6677.4)	5825.3 (4.5)	141Pr (176.9, 140.9)
5769.9 (12.0)	181Ta (270.4, 5965.0)	5826.6 (13.0)	100Ru (6267.0, 5302.7)
5770.7 (3.8)	141Pr (176.9, 140.9)	5827.0 (3.0)	184Os (431.2, 6588.0)
5772.3 (29.5)	167Er (184.3, 6677.4)	5828.6 (6.4)	108Pd (113.4, 245.1)
5774.5 (26.2)	179Hf (5572.4, 4707.8)	5829.4 (5.4)	191Ir (6080.6, 5957.5)
5776.4 (5.6)	159Tb (75.1, 63.7)	5830.3 (4.3)	173Yb (176.6, 1241.9)
5777.0 (9.6)	64Zn (7863.0, 751.0)	5830.4 (2.0)	179Hf (5572.4, 4707.8)
5777.4 (3.0)	145Nd (7110.8, 6093.9)	5831.2 (4.0)	74Ge (574.7, 253.7)
5777.6 (3.8)	167Er (184.3, 6677.4)	5832.4 (16.5)	152Sm (127.3, 35.8)
5778.1 (8.6)	75As (6810.5, 7020.1)	5834.2 (3.7)	75As (6810.5, 7020.1)
5778.1 (70.5)	179Hf (5572.4, 4707.8)	5837.0 (7.6)	62Ni (6838.2, 155.5)
5778.3 (5.6)	31P (3900.3, 2154.2)	5837.5 (2.6)	81Br (29.1, 287.7)
5780.0 (4.2)	71Ga (145.1, 192.0)	5839.7 (2.8)	197Au (214.8, 6252.6)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
5842.2(29.6)	174Hf(125.7,5842.2)	5901.0(3.0)	71Ga(145.1,192.0)
5842.3(2.8)	159Tb(75.1,63.7)	5902.9(5.2)	natCl(1950.9,6110.9)
5843.0(6.7)	154Gd(86.5,105.3)	5903.2(7.7)	157Gd(181.9,79.5)
5843.0(16.0)	141Pr(176.9,140.9)	5903.2(3.0)	173Yb(176.6,1241.9)
5844.6(8.0)	160Dy(6087.3,48.9)	5904.6(5.4)	179Hf(5572.4,4707.8)
5846.3(100.0)	196Pt(5846.3,649.2)	5905.6(3.8)	57Fe(810.5,863.6)
5847.4(67.1)	179Hf(5572.4,4707.8)	5906.2(2.3)	75As(6810.5,7020.1)
5849.2(4.5)	162Dy(351.1,421.9)	5906.3(21.6)	191Ir(6080.6,5957.5)
5849.4(9.7)	81Br(29.1,287.7)	5909.9(22.1)	104Ru(143.2,159.3)
5851.0(15.6)	72Ge(326.0,6390.2)	5911.0(25.3)	66Zn(6960.0,6867.0)
5853.4(2.7)	65Cu(186.0,465.2)	5911.1(8.8)	185Re(59.0,214.6)
5853.6(8.9)	134Cs(7339.3,6160.4)	5912.1(3.0)	181Ta(270.4,5965.0)
5854.0(17.8)	205Tl(304.9,266.1)	5912.9(100.0)	76Ge(5912.9,5049.1)
5854.3(25.3)	58Fe(287.0,6293.6)	5912.9(8.8)	81Br(29.1,287.7)
5854.9(3.9)	75As(6810.5,7020.1)	5915.1(5.3)	133Cs(11.2,116.4)
5856.8(5.3)	163Dy(688.4,754.8)	5915.9(2.1)	171Yb(5538.8,5690.9)
5857.6(25.4)	167Er(184.3,6677.4)	5916.7(2.2)	79Br(37.1,245.2)
5858.7(3.4)	133Cs(11.2,116.4)	5917.0(16.1)	103Rh(217.9,5346.6)
5863.0(100.0)	144Sm(5863.0,5149.8)	5918.0(3.8)	193Ir(371.5,112.2)
5865.0(3.2)	134Cs(7339.3,6160.4)	5918.6(7.6)	203Tl(139.9,319.3)
5865.5(25.7)	191Ir(6080.6,5957.5)	5919.0(2.5)	71Ga(145.1,192.0)
5866.4(14.0)	167Er(184.3,6677.4)	5920.4(33.1)	56Fe(7631.2,7645.6)
5867.1(5.3)	72Ge(326.0,6390.2)	5920.5(4.6)	55Mn(26.6,7243.8)
5868.0(6.0)	177Hf(6112.4,5807.8)	5920.8(2.3)	187Os(155.0,633.1)
5868.0(20.0)	205Tl(304.9,266.1)	5922.0(13.0)	94Mo(7165.0,6721.0)
5868.2(2.1)	152Sm(127.3,35.8)	5926.0(3.8)	59Co(58.9,229.7)
5868.8(10.1)	123Sb(87.6,40.8)	5926.5(7.1)	98Mo(97.6,351.0)
5869.6(13.4)	75As(6810.5,7020.1)	5927.4(3.4)	193Ir(371.5,112.2)
5871.6(6.6)	187Re(63.6,290.7)	5927.9(4.3)	204Pb(2.3,6729.4)
5873.8(34.9)	78Se(6866.8,5873.8)	5930.0(5.2)	134Cs(7339.3,6160.4)
5874.7(2.0)	97Mo(787.4,722.7)	5930.2(6.6)	201Hg(439.5,520.3)
5876.0(2.6)	154Gd(86.5,105.3)	5930.9(10.4)	74Ge(574.7,253.7)
5876.9(15.4)	134Cs(7339.3,6160.4)	5931.2(2.5)	75As(6810.5,7020.1)
5877.7(4.9)	75As(6810.5,7020.1)	5932.2(6.2)	189Os(186.7,558.0)
5878.3(69.2)	167Er(184.3,6677.4)	5932.6(2.9)	167Er(184.3,6677.4)
5880.0(5.4)	197Au(214.8,6252.6)	5936.6(13.0)	239Pu(5575.0,5123.8)
5881.3(5.0)	162Dy(351.1,421.9)	5938.2(52.4)	168Er(64.6,4908.8)
5884.0(21.4)	156Gd(5268.0,6359.6)	5941.2(5.7)	197Au(214.8,6252.6)
5884.5(43.7)	188Os(5414.9,343.5)	5941.3(3.2)	99Ru(539.7,687.0)
5884.7(9.0)	75As(6810.5,7020.1)	5942.0(100.0)	158Gd(5942.0,5434.0)
5885.2(6.1)	121Sb(61.4,78.1)	5943.0(2.1)	75As(6810.5,7020.1)
5885.5(2.5)	102Ru(174.0,136.1)	5943.3(17.4)	167Er(184.3,6677.4)
5885.7(2.1)	85Rb(557.0,488.0)	5948.7(14.0)	181Ta(270.4,5965.0)
5887.5(2.5)	108Pd(113.4,245.1)	5949.3(3.2)	75Se(559.1,8724.4)
5889.0(6.7)	104Ru(143.2,159.3)	5950.2(4.8)	133Cs(11.2,116.4)
5889.6(6.6)	181Ta(270.4,5965.0)	5950.8(15.9)	167Er(184.3,6677.4)
5890.6(7.4)	159Tb(75.1,63.7)	5953.5(4.3)	159Tb(75.1,63.7)
5892.0(10.2)	51V(22.8,125.1)	5954.5(9.6)	193Ir(371.5,112.2)
5892.5(4.2)	115In(273.0,85.6)	5955.3(2.5)	129I(6408.4,5821.7)
5893.4(4.3)	99Ru(539.7,687.0)	5956.7(2.7)	9Be(6809.4,3367.6)
5894.7(8.7)	134Cs(7339.3,6160.4)	5956.9(19.5)	179Hf(5572.4,4707.8)
5894.9(6.2)	93Nb(99.4,255.9)	5957.5(87.8)	191Ir(6080.6,5957.5)
5897.2(7.9)	45Sc(227.8,142.5)	5958.5(7.3)	75Se(559.1,8724.4)
5899.6(8.5)	133Cs(11.2,116.4)	5960.5(6.6)	201Hg(439.5,520.3)
5900.6(5.9)	natCa(1942.0,6419.9)	5965.0(100.0)	181Ta(270.4,5965.0)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
5967.4(17.0)	199Hg(367.9,5967.4)	6033.8(2.0)	155Gd(199.2,89.0)
5968.1(10.6)	172Yb(399.4,116.1)	6034.0(2.4)	195Pt(355.7,333.0)
5970.1(3.7)	75As(6810.5,7020.1)	6034.7(7.4)	167Er(184.3,6677.4)
5970.4(9.5)	191Ir(6080.6,5957.5)	6034.8(100.0)	64Ni(6034.8,310.2)
5975.4(6.3)	133Cs(11.2,116.4)	6036.0(14.6)	160Dy(6087.3,48.9)
5976.1(14.4)	59Co(58.9,229.7)	6037.0(10.6)	64Zn(7863.0,751.0)
5976.2(3.5)	75As(6810.5,7020.1)	6037.2(11.4)	70Ge(499.9,174.9)
5977.6(4.1)	75Se(559.1,8724.4)	6042.8(8.6)	81Br(29.1,287.7)
5978.8(6.4)	179Hf(5572.4,4707.8)	6045.0(7.7)	94Mo(7165.0,6721.0)
5979.4(4.4)	133Cs(11.2,116.4)	6046.2(2.2)	45Sc(227.8,142.5)
5980.1(13.9)	44Ca(174.3,5515.0)	6046.8(10.7)	103Rh(217.9,5346.6)
5980.2(3.8)	85Rb(557.0,488.0)	6048.3(8.5)	123Sb(87.6,40.8)
5982.8(2.5)	193Ir(371.5,112.2)	6048.8(4.2)	65Cu(186.0,465.2)
5983.0(7.0)	184Os(431.2,6588.0)	6051.7(22.4)	133Cs(11.2,116.4)
5983.3(18.4)	197Au(214.8,6252.6)	6052.0(38.7)	167Er(184.3,6677.4)
5983.4(2.8)	175Lu(71.5,225.4)	6053.4(4.7)	168Yb(191.2,720.0)
5983.6(2.7)	191Ir(6080.6,5957.5)	6055.1(5.3)	45Sc(227.8,142.5)
5984.5(2.7)	75Se(559.1,8724.4)	6055.8(3.6)	133Cs(11.2,116.4)
5984.5(6.3)	154Gd(86.5,105.3)	6056.1(4.1)	191Ir(6080.6,5957.5)
5986.3(2.6)	47Ti(983.5,1312.1)	6058.1(10.1)	49Ti(1553.8,1121.1)
5986.5(2.3)	177Hf(6112.4,5807.8)	6059.5(18.0)	75As(6810.5,7020.1)
5986.6(7.3)	75As(6810.5,7020.1)	6061.9(2.1)	31P(3900.3,2154.2)
5987.3(9.9)	134Cs(7339.3,6160.4)	6062.4(2.4)	135Ba(818.7,1261.8)
5990.5(13.9)	177Hf(6112.4,5807.8)	6062.9(60.0)	181Ta(270.4,5965.0)
5993.7(5.0)	159Tb(75.1,63.7)	6063.4(16.5)	167Er(184.3,6677.4)
6000.0(6.1)	53Cr(834.8,8884.2)	6064.5(4.4)	85Rb(557.0,488.0)
6003.0(2.2)	99Ru(539.7,687.0)	6064.7(14.7)	177Hf(6112.4,5807.8)
6003.6(8.1)	191Ir(6080.6,5957.5)	6066.1(3.9)	193Ir(371.5,112.2)
6004.4(24.1)	54Cr(6246.4,241.9)	6080.5(100.0)	89Y(6080.5,776.7)
6006.3(5.3)	75As(6810.5,7020.1)	6080.6(100.0)	191Ir(6080.6,5957.5)
6007.0(17.9)	76Se(239.0,520.6)	6081.8(2.9)	100Ru(6267.0,5302.7)
6007.0(10.0)	71Ga(145.1,192.0)	6082.9(7.7)	123Sb(87.6,40.8)
6009.1(17.7)	171Yb(5538.8,5690.9)	6086.0(14.3)	46Ti(158.6,1391.5)
6009.3(2.7)	121Sb(61.4,78.1)	6086.6(3.4)	natCl(1950.9,6110.9)
6010.8(4.8)	63Cu(7916.3,278.2)	6087.3(100.0)	160Dy(6087.3,48.9)
6013.0(7.4)	179Hf(5572.4,4707.8)	6092.1(20.3)	191Ir(6080.6,5957.5)
6013.4(12.2)	86Sr(484.8,8039.2)	6093.1(10.5)	177Hf(6112.4,5807.8)
6014.0(4.0)	75As(6810.5,7020.1)	6093.9(80.5)	145Nd(7110.8,6093.9)
6014.0(15.9)	75Se(559.1,8724.4)	6096.6(4.3)	179Hf(5572.4,4707.8)
6016.2(6.2)	76Se(239.0,520.6)	6098.0(7.2)	75As(6810.5,7020.1)
6017.1(74.1)	19F(582.2,3589.3)	6101.3(8.3)	27Al(7723.9,2960.0)
6018.4(34.1)	56Fe(7631.2,7645.6)	6101.7(4.4)	87Sr(1836.0,898.0)
6018.8(9.4)	179Hf(5572.4,4707.8)	6103.9(11.1)	55Mn(26.6,7243.8)
6019.2(2.9)	75As(6810.5,7020.1)	6104.2(16.6)	81Br(29.1,287.7)
6019.5(34.4)	129I(6408.4,5821.7)	6105.3(4.7)	58Ni(8998.4,8533.4)
6019.9(10.9)	134Cs(7339.3,6160.4)	6106.7(9.1)	197Au(214.8,6252.6)
6023.0(11.7)	151Sm(3751.0,4399.0)	6110.0(9.4)	71Ga(145.1,192.0)
6023.0(2.1)	193Ir(371.5,112.2)	6110.0(3.6)	103Rh(217.9,5346.6)
6024.5(17.8)	183W(111.2,903.3)	6110.9(92.1)	natCl(1950.9,6110.9)
6026.4(2.1)	203Tl(139.9,319.3)	6111.4(4.7)	natMg(3916.7,2828.1)
6027.5(15.2)	75As(6810.5,7020.1)	6112.4(100.0)	177Hf(6112.4,5807.8)
6028.3(3.7)	123Sb(87.6,40.8)	6113.2(13.5)	134Cs(7339.3,6160.4)
6028.5(3.7)	137Ba(1435.9,5730.8)	6113.5(2.9)	167Er(184.3,6677.4)
6029.0(7.2)	134Cs(7339.3,6160.4)	6114.0(3.6)	75As(6810.5,7020.1)
6030.6(2.9)	55Mn(26.6,7243.8)	6116.5(4.8)	81Br(29.1,287.7)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
6116.9 (10.7)	70Ge (499.9, 174.9)	6204.2 (20.0)	129I (6408.4, 5821.7)
6116.9 (5.4)	167Er (184.3, 6677.4)	6206.0 (5.9)	151Sm (3751.0, 4399.0)
6121.8 (18.6)	75Se (559.1, 8724.4)	6207.1 (4.0)	168Yb (191.2, 720.0)
6124.6 (5.8)	171Yb (5538.8, 5690.9)	6210.0 (6.2)	99Ru (539.7, 687.0)
6124.9 (2.7)	88Sr (1032.0, 934.5)	6210.0 (5.1)	134Cs (7339.3, 6160.4)
6125.5 (6.9)	129I (6408.4, 5821.7)	6211.6 (9.4)	103Rh (217.9, 5346.6)
6128.0 (3.8)	71Ga (145.1, 192.0)	6216.8 (8.6)	177Hf (6112.4, 5807.8)
6130.2 (4.1)	177Hf (6112.4, 5807.8)	6217.0 (4.0)	184Os (431.2, 6588.0)
6135.7 (9.5)	50Cr (749.0, 8512.1)	6217.0 (6.4)	186Os (427.1, 400.8)
6137.8 (49.7)	167Er (184.3, 6677.4)	6218.6 (8.7)	159Tb (75.1, 63.7)
6138.1 (5.2)	159Tb (75.1, 63.7)	6222.2 (8.0)	81Br (29.1, 287.7)
6138.7 (5.0)	133Cs (11.2, 116.4)	6223.1 (8.6)	75As (6810.5, 7020.1)
6140.7 (2.7)	191Ir (6080.6, 5957.5)	6223.4 (6.3)	203Tl (139.9, 319.3)
6142.8 (9.1)	75As (6810.5, 7020.1)	6225.0 (5.8)	171Yb (5538.8, 5690.9)
6145.3 (5.3)	197Au (214.8, 6252.6)	6225.3 (2.4)	74Se (286.6, 7734.1)
6146.0 (32.9)	182W (6190.0, 4249.0)	6227.9 (10.8)	72Ge (326.0, 6390.2)
6146.5 (20.4)	129I (6408.4, 5821.7)	6228.2 (65.4)	166Er (207.8, 798.8)
6149.8 (11.8)	197Au (214.8, 6252.6)	6229.7 (51.5)	167Er (184.3, 6677.4)
6150.1 (2.6)	133Cs (11.2, 116.4)	6231.3 (7.3)	75As (6810.5, 7020.1)
6155.8 (27.7)	167Er (184.3, 6677.4)	6231.6 (6.1)	76Se (239.0, 520.6)
6156.0 (48.0)	184Os (431.2, 6588.0)	6233.0 (75.2)	80Se (467.7, 6233.0)
6156.5 (3.6)	75Se (559.1, 8724.4)	6238.0 (11.1)	205Tl (304.9, 266.1)
6160.4 (68.7)	134Cs (7339.3, 6160.4)	6241.9 (2.0)	159Tb (75.1, 63.7)
6162.0 (5.5)	241Pu (5476.9, 5289.9)	6241.9 (8.6)	177Hf (6112.4, 5807.8)
6163.0 (9.6)	151Sm (3751.0, 4399.0)	6243.2 (6.0)	65Cu (186.0, 465.2)
6163.1 (5.0)	57Fe (810.5, 863.6)	6243.8 (2.1)	77Se (613.7, 694.9)
6165.5 (3.2)	197Au (214.8, 6252.6)	6246.0 (2.8)	151Sm (3751.0, 4399.0)
6166.3 (6.5)	88Sr (1032.0, 934.5)	6246.4 (100.0)	54Cr (6246.4, 241.9)
6167.5 (15.4)	203Tl (139.9, 319.3)	6246.5 (2.0)	189Os (186.7, 558.0)
6169.8 (8.7)	171Yb (5538.8, 5690.9)	6247.4 (2.6)	133Cs (11.2, 116.4)
6170.5 (8.5)	45Sc (227.8, 142.5)	6248.0 (2.2)	147Sm (550.0, 630.2)
6171.2 (16.5)	166Er (207.8, 798.8)	6249.2 (4.1)	75Se (559.1, 8724.4)
6172.4 (9.4)	103Rh (217.9, 5346.6)	6252.1 (46.1)	74Ge (574.7, 253.7)
6174.8 (32.0)	19F (582.2, 3589.3)	6252.6 (71.9)	197Au (214.8, 6252.6)
6175.2 (2.5)	133Cs (11.2, 116.4)	6252.7 (2.0)	123Sb (87.6, 40.8)
6175.5 (24.8)	133Cs (11.2, 116.4)	6254.9 (2.8)	113In (311.6, 287.7)
6175.9 (6.0)	177Hf (6112.4, 5807.8)	6255.0 (3.9)	129I (6408.4, 5821.7)
6180.1 (4.7)	75As (6810.5, 7020.1)	6258.4 (4.7)	86Sr (484.8, 8039.2)
6183.6 (7.1)	203Tl (139.9, 319.3)	6262.6 (2.3)	67Zn (1077.3, 1883.1)
6188.0 (4.9)	198Au (493.8, 317.1)	6264.4 (6.0)	241Pu (5476.9, 5289.9)
6188.7 (3.6)	85Rb (557.0, 488.0)	6264.9 (8.4)	197Au (214.8, 6252.6)
6189.4 (15.8)	133Cs (11.2, 116.4)	6265.0 (11.7)	134Ba (5389.0, 4520.0)
6190.0 (2.6)	71Ga (145.1, 192.0)	6265.5 (8.6)	75Se (559.1, 8724.4)
6190.0 (100.0)	182W (6190.0, 4249.0)	6266.9 (7.0)	87Sr (1836.0, 898.0)
6190.6 (13.0)	183W (111.2, 903.3)	6267.0 (100.0)	100Ru (6267.0, 5302.7)
6192.0 (2.4)	201Hg (439.5, 520.3)	6268.9 (4.8)	54Fe (9297.8, 412.0)
6192.8 (3.4)	177Hf (6112.4, 5807.8)	6274.6 (2.3)	75Se (559.1, 8724.4)
6193.6 (4.5)	63Ni (1345.8, 9656.9)	6275.7 (2.8)	31P (3900.3, 2154.2)
6194.6 (4.1)	31P (3900.3, 2154.2)	6276.3 (5.4)	70Ge (499.9, 174.9)
6197.4 (17.7)	167Er (184.3, 6677.4)	6276.8 (16.2)	197Au (214.8, 6252.6)
6197.9 (2.1)	27Al (7723.9, 2960.0)	6281.2 (5.0)	75Se (559.1, 8724.4)
6198.0 (31.1)	205Tl (304.9, 266.1)	6283.0 (2.6)	53Cr (834.8, 8884.2)
6200.2 (2.1)	73Ge (595.8, 867.9)	6288.1 (3.5)	194Ir (300.3, 175.2)
6202.1 (13.3)	167Er (184.3, 6677.4)	6289.5 (11.7)	183W (111.2, 903.3)
6203.6 (8.0)	75As (6810.5, 7020.1)	6292.4 (5.9)	75Se (559.1, 8724.4)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
6293.6 (79.7)	58Fe(287.0,6293.6)	6360.4 (23.6)	167Er(184.3,6677.4)
6294.9 (36.8)	75As(6810.5,7020.1)	6363.7 (12.7)	123Sb(87.6,40.8)
6296.0 (10.8)	151Sm(3751.0,4399.0)	6364.1 (2.3)	45Sc(227.8,142.5)
6298.1 (4.1)	99Ru(539.7,687.0)	6366.2 (3.9)	81Br(29.1,287.7)
6300.8 (3.3)	45Sc(227.8,142.5)	6366.4 (3.8)	177Hf(6112.4,5807.8)
6303.4 (2.4)	103Rh(217.9,5346.6)	6367.4 (18.7)	167Er(184.3,6677.4)
6303.9 (13.9)	177Hf(6112.4,5807.8)	6370.0 (4.9)	75As(6810.5,7020.1)
6305.4 (15.0)	75As(6810.5,7020.1)	6370.9 (6.8)	194Ir(300.3,175.2)
6306.8 (2.3)	83Kr(881.7,1213.4)	6370.9 (5.0)	50Cr(749.0,8512.1)
6307.1 (2.3)	127I(133.6,27.4)	6372.4 (3.1)	99Ru(539.7,687.0)
6307.3 (3.1)	133Cs(11.2,116.4)	6373.5 (10.1)	50Ti(1166.6,5206.1)
6310.0 (3.2)	71Ga(145.1,192.0)	6374.4 (2.1)	129I(6408.4,5821.7)
6315.3 (2.1)	77Se(613.7,694.9)	6375.0 (4.4)	145Nd(7110.8,6093.9)
6315.8 (6.6)	27Al(7723.9,2960.0)	6379.7 (22.2)	123Sb(87.6,40.8)
6317.8 (7.2)	86Sr(484.8,8039.2)	6380.5 (3.8)	56Fe(7631.2,7645.6)
6318.1 (11.4)	45Sc(227.8,142.5)	6380.5 (2.8)	131Xe(667.5,667.8)
6319.5 (3.6)	31P(3900.3,2154.2)	6380.7 (18.2)	natSi(3539.1,4934.4)
6320.0 (4.3)	70Ge(499.9,174.9)	6385.0 (2.3)	85Rb(557.0,488.0)
6320.0 (44.2)	197Au(214.8,6252.6)	6388.5 (3.8)	133Cs(11.2,116.4)
6320.3 (4.8)	62Ni(6838.2,155.5)	6389.0 (5.8)	75As(6810.5,7020.1)
6320.6 (4.7)	133Cs(11.2,116.4)	6390.0 (4.1)	66Zn(6960.0,6867.0)
6320.9 (21.3)	19F(582.2,3589.3)	6390.2 (73.9)	72Ge(326.0,6390.2)
6322.0 (2.5)	71Ga(145.1,192.0)	6391.0 (6.5)	69Ga(508.4,691.0)
6322.4 (59.8)	natN(5269.2,1884.8)	6391.2 (23.9)	134Cs(7339.3,6160.4)
6324.3 (2.1)	123Te(602.4,722.4)	6392.0 (2.4)	31P(3900.3,2154.2)
6324.7 (4.3)	99Ru(539.7,687.0)	6393.4 (15.4)	75As(6810.5,7020.1)
6326.0 (13.0)	94Mo(7165.0,6721.0)	6394.9 (4.2)	63Cu(7916.3,278.2)
6328.0 (16.3)	46Ti(158.6,1391.5)	6395.4 (37.1)	23Na(472.4,6395.4)
6328.0 (10.4)	151Sm(3751.0,4399.0)	6395.7 (5.5)	235U(642.2,687.5)
6329.9 (2.4)	154Gd(86.5,105.3)	6399.0 (13.3)	134Ba(5389.0,4520.0)
6333.0 (8.2)	75Se(559.1,8724.4)	6402.3 (9.5)	75Se(559.1,8724.4)
6334.6 (7.7)	198Au(493.8,317.1)	6403.8 (14.3)	75As(6810.5,7020.1)
6335.7 (7.6)	123Sb(87.6,40.8)	6408.4(100.0)	129I(6408.4,5821.7)
6337.1 (2.0)	203Tl(139.9,319.3)	6408.5 (21.5)	183W(111.2,903.3)
6339.8 (25.8)	134Cs(7339.3,6160.4)	6413.4 (11.6)	76Se(239.0,520.6)
6339.9 (4.9)	167Er(184.3,6677.4)	6413.6 (10.0)	81Br(29.1,287.7)
6340.5 (10.7)	99Ru(539.7,687.0)	6414.3 (2.4)	57Fe(810.5,863.6)
6343.4 (7.1)	75As(6810.5,7020.1)	6416.1 (25.1)	134Cs(7339.3,6160.4)
6346.5 (2.5)	69Ga(508.4,691.0)	6418.6 (35.7)	48Ti(1381.7,6760.1)
6346.5 (3.4)	99Ru(539.7,687.0)	6418.6 (33.8)	72Ge(326.0,6390.2)
6347.1 (2.6)	155Gd(199.2,89.0)	6418.9 (3.5)	31P(3900.3,2154.2)
6349.1 (11.7)	81Br(29.1,287.7)	6419.4 (3.7)	natN(5269.2,1884.8)
6349.7 (7.5)	177Hf(6112.4,5807.8)	6419.4 (12.5)	75As(6810.5,7020.1)
6349.8 (9.8)	45Sc(227.8,142.5)	6419.9 (53.6)	natCa(1942.0,6419.9)
6352.0 (2.0)	85Rb(557.0,488.0)	6424.9 (4.7)	198Au(493.8,317.1)
6354.8 (3.1)	natMg(3916.7,2828.1)	6429.1 (4.1)	55Mn(26.6,7243.8)
6354.9 (5.5)	103Rh(217.9,5346.6)	6429.4 (2.9)	155Gd(199.2,89.0)
6356.5 (2.3)	79Br(37.1,245.2)	6434.7 (19.6)	78Se(6866.8,5873.8)
6357.0 (3.7)	151Sm(3751.0,4399.0)	6437.7 (14.3)	81Br(29.1,287.7)
6357.6 (3.6)	75As(6810.5,7020.1)	6437.8 (5.1)	74Se(286.6,7734.1)
6357.9 (37.6)	177Hf(6112.4,5807.8)	6440.1 (7.7)	133Cs(11.2,116.4)
6358.4 (11.0)	88Sr(1032.0,934.5)	6440.4 (2.2)	27Al(7723.9,2960.0)
6359.0 (19.0)	71Ga(145.1,192.0)	6451.5 (3.2)	129I(6408.4,5821.7)
6359.6 (77.3)	156Gd(5268.0,6359.6)	6451.8 (11.7)	177Hf(6112.4,5807.8)
6360.2 (5.3)	81Br(29.1,287.7)	6452.7 (3.6)	81Br(29.1,287.7)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
6456.0 (5.0)	129I(6408.4,5821.7)	6535.4 (3.2)	75Se(559.1,8724.4)
6456.5 (3.6)	123Sb(87.6,40.8)	6542.4 (6.6)	171Yb(5538.8,5690.9)
6457.1 (14.9)	134Cs(7339.3,6160.4)	6542.8 (7.3)	75As(6810.5,7020.1)
6457.7 (2.2)	45Sc(227.8,142.5)	6547.7 (18.2)	170Yb(6614.7,804.7)
6457.8 (31.4)	197Au(214.8,6252.6)	6551.0 (4.1)	75Se(559.1,8724.4)
6458.3 (6.4)	199Hg(367.9,5967.4)	6552.0 (9.8)	134Cs(7339.3,6160.4)
6460.4 (2.1)	129I(6408.4,5821.7)	6553.0 (2.2)	171Yb(5538.8,5690.9)
6462.0 (2.9)	78Se(6866.8,5873.8)	6556.0 (6.0)	48Ti(1381.7,6760.1)
6464.8 (37.3)	51V(22.8,125.1)	6557.1 (8.7)	45Sc(227.8,142.5)
6465.1 (6.3)	75As(6810.5,7020.1)	6565.1 (2.7)	75Se(559.1,8724.4)
6466.0 (5.9)	131Xe(667.5,667.8)	6570.3 (3.1)	81Br(29.1,287.7)
6466.5 (7.6)	134Cs(7339.3,6160.4)	6571.5 (2.5)	201Hg(439.5,520.3)
6466.8 (13.2)	131Xe(667.5,667.8)	6577.0 (4.1)	75Se(559.1,8724.4)
6467.3 (9.3)	123Sb(87.6,40.8)	6577.7 (30.8)	92Mo(7126.2,6577.7)
6468.9 (14.3)	204Pb(2.3,6729.4)	6578.4 (28.2)	167Er(184.3,6677.4)
6470.0 (31.6)	92Zr(1426.8,5312.2)	6580.9 (5.8)	58Fe(287.0,6293.6)
6471.2 (3.5)	85Rb(557.0,488.0)	6582.8 (4.9)	174Hf(125.7,5842.2)
6471.5 (2.2)	194Ir(300.3,175.2)	6583.9 (5.2)	58Ni(8998.4,8533.4)
6480.1 (4.1)	75Se(559.1,8724.4)	6584.2 (8.3)	75As(6810.5,7020.1)
6480.3 (4.9)	198Au(493.8,317.1)	6584.3 (2.6)	70Ge(499.9,174.9)
6480.4 (4.3)	47Ti(983.5,1312.1)	6588.0(100.0)	184Os(431.2,6588.0)
6481.7 (2.5)	155Gd(199.2,89.0)	6588.1 (8.0)	75As(6810.5,7020.1)
6482.0 (20.9)	68Zn(1008.0,5474.0)	6600.7 (35.1)	65Cu(186.0,465.2)
6483.0 (3.4)	81Br(29.1,287.7)	6600.7 (62.0)	19F(582.2,3589.3)
6486.6 (13.0)	59Co(58.9,229.7)	6600.7 (6.6)	75As(6810.5,7020.1)
6486.9 (59.5)	134Cs(7339.3,6160.4)	6600.7 (38.7)	76Se(239.0,520.6)
6490.0 (4.9)	151Sm(3751.0,4399.0)	6604.5 (2.2)	81Br(29.1,287.7)
6491.2 (30.0)	239Pu(5575.0,5123.8)	6604.6 (2.0)	50V(1609.2,1776.6)
6495.1 (9.7)	167Er(184.3,6677.4)	6607.0 (5.2)	151Sm(3751.0,4399.0)
6496.0 (9.0)	184Os(431.2,6588.0)	6608.4 (2.3)	99Ru(539.7,687.0)
6498.6 (2.2)	77Se(613.7,694.9)	6610.0 (10.4)	136Ba(1897.5,4720.0)
6500.0 (2.8)	151Sm(3751.0,4399.0)	6614.1 (8.6)	171Yb(5538.8,5690.9)
6502.2 (5.0)	134Cs(7339.3,6160.4)	6614.7(100.0)	170Yb(6614.7,804.7)
6504.0 (4.4)	205Tl(304.9,266.1)	6618.1 (3.4)	63Cu(7916.3,278.2)
6504.7 (2.8)	31P(3900.3,2154.2)	6619.5 (36.9)	natCl(1950.9,6110.9)
6505.4 (2.9)	natN(5269.2,1884.8)	6620.6 (5.4)	75As(6810.5,7020.1)
6505.6 (11.7)	74Ge(574.7,253.7)	6621.9 (3.3)	81Br(29.1,287.7)
6506.4 (10.3)	57Fe(810.5,863.6)	6623.0 (2.2)	61Ni(1172.8,875.6)
6507.7 (4.8)	183W(111.2,903.3)	6624.8 (16.9)	97Mo(787.4,722.7)
6510.0 (8.5)	64Zn(7863.0,751.0)	6627.6 (20.9)	natCl(1950.9,6110.9)
6512.1 (8.1)	174Hf(125.7,5842.2)	6631.0 (6.4)	75Se(559.1,8724.4)
6513.2 (22.0)	197Au(214.8,6252.6)	6631.3 (37.9)	63Ni(1345.8,9656.9)
6513.6 (5.3)	69Ga(508.4,691.0)	6633.6 (2.3)	60Ni(7819.6,7820.3)
6514.2 (4.1)	133Cs(11.2,116.4)	6634.8 (2.0)	60Ni(7819.6,7820.3)
6515.7 (11.7)	203Tl(139.9,319.3)	6641.2 (2.3)	45Sc(227.8,142.5)
6517.3 (68.8)	51V(22.8,125.1)	6643.0 (2.4)	151Sm(3751.0,4399.0)
6519.0 (3.1)	71Ga(145.1,192.0)	6645.6 (13.0)	53Cr(834.8,8884.2)
6519.1 (4.2)	83Kr(881.7,1213.4)	6650.0 (3.3)	194Ir(300.3,175.2)
6520.3 (6.2)	85Rb(557.0,488.0)	6655.0 (36.1)	66Zn(6960.0,6867.0)
6521.3 (52.8)	145Nd(7110.8,6093.9)	6657.0 (2.4)	133Cs(11.2,116.4)
6523.2 (9.2)	121Sb(61.4,78.1)	6659.5 (4.0)	75As(6810.5,7020.1)
6526.2 (2.2)	75As(6810.5,7020.1)	6660.4 (5.7)	87Sr(1836.0,898.0)
6529.8 (2.2)	134Cs(7339.3,6160.4)	6664.9 (11.4)	75Se(559.1,8724.4)
6532.0 (2.4)	61Ni(1172.8,875.6)	6669.7 (2.7)	75Se(559.1,8724.4)
6535.0 (5.6)	75As(6810.5,7020.1)	6671.3 (2.9)	134Cs(7339.3,6160.4)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
6674.8 (7.2)	100Ru(6267.0,5302.7)	6803.2 (8.2)	194Ir(300.3,175.2)
6674.9 (6.0)	63Cu(7916.3,278.2)	6803.5 (3.1)	83Kr(881.7,1213.4)
6677.4 (79.0)	167Er(184.3,6677.4)	6803.6 (2.5)	176Lu(150.4,138.6)
6680.0 (5.9)	75Se(559.1,8724.4)	6807.8 (6.8)	75Se(559.1,8724.4)
6680.0 (33.7)	65Cu(186.0,465.2)	6809.4(100.0)	9Be(6809.4,3367.6)
6689.8 (5.6)	99Ru(539.7,687.0)	6810.5(100.0)	75As(6810.5,7020.1)
6690.8 (4.4)	75As(6810.5,7020.1)	6818.8 (2.3)	75Se(559.1,8724.4)
6692.5 (3.8)	194Ir(300.3,175.2)	6819.6 (5.2)	134Cs(7339.3,6160.4)
6695.4 (2.3)	75Se(559.1,8724.4)	6819.8 (5.6)	194Ir(300.3,175.2)
6697.6 (2.1)	133Cs(11.2,116.4)	6820.6 (2.9)	171Yb(5538.8,5690.9)
6697.8 (23.6)	133Cs(11.2,116.4)	6822.1 (2.4)	75As(6810.5,7020.1)
6706.2 (15.7)	59Co(58.9,229.7)	6826.6 (3.0)	163Dy(688.4,754.8)
6707.5 (11.6)	70Ge(499.9,174.9)	6826.8 (2.9)	54Fe(9297.8,412.0)
6707.8 (3.2)	31P(3900.3,2154.2)	6828.7 (2.9)	75As(6810.5,7020.1)
6710.3 (2.6)	27Al(7723.9,2960.0)	6830.6 (2.1)	81Br(29.1,287.7)
6714.9 (9.7)	133Cs(11.2,116.4)	6831.2 (6.0)	93Nb(99.4,255.9)
6715.5 (5.0)	75Se(559.1,8724.4)	6831.3 (3.9)	133Cs(11.2,116.4)
6716.8 (6.1)	45Sc(227.8,142.5)	6831.4 (5.8)	85Rb(557.0,488.0)
6716.9 (10.1)	72Ge(326.0,6390.2)	6838.2(100.0)	62Ni(6838.2,155.5)
6719.1 (5.1)	60Ni(7819.6,7820.3)	6839.2 (8.3)	45Sc(227.8,142.5)
6720.4 (4.0)	60Ni(7819.6,7820.3)	6840.4 (11.8)	45Sc(227.8,142.5)
6721.0 (14.0)	94Mo(7165.0,6721.0)	6842.5 (6.1)	168Yb(191.2,720.0)
6727.9 (5.2)	121Sb(61.4,78.1)	6853.2 (6.4)	75Se(559.1,8724.4)
6729.3 (2.7)	75Se(559.1,8724.4)	6857.6 (3.0)	75As(6810.5,7020.1)
6729.4 (64.7)	204Pb(2.3,6729.4)	6864.3 (3.0)	171Yb(5538.8,5690.9)
6732.2 (3.3)	194Ir(300.3,175.2)	6866.8(100.0)	78Se(6866.8,5873.8)
6735.0 (31.6)	92Zr(1426.8,5312.2)	6867.0 (66.1)	66Zn(6960.0,6867.0)
6737.2 (4.1)	75Se(559.1,8724.4)	6871.0 (3.2)	75Se(559.1,8724.4)
6743.2 (2.0)	natSi(3539.1,4934.4)	6874.1 (43.3)	51V(22.8,125.1)
6746.0 (8.1)	81Br(29.1,287.7)	6874.1 (2.7)	45Sc(227.8,142.5)
6747.0 (13.7)	134Cs(7339.3,6160.4)	6877.4 (17.5)	59Co(58.9,229.7)
6747.2 (2.1)	natSi(3539.1,4934.4)	6880.7 (6.7)	83Kr(881.7,1213.4)
6750.0 (15.1)	157Gd(181.9,79.5)	6881.4 (2.9)	75As(6810.5,7020.1)
6752.2 (2.7)	75Se(559.1,8724.4)	6885.1 (4.2)	87Sr(1836.0,898.0)
6759.3 (52.0)	natB(4443.0,7005.1)	6886.0 (4.9)	151Sm(3751.0,4399.0)
6759.4 (3.1)	natN(5269.2,1884.8)	6890.2 (3.0)	53Cr(834.8,8884.2)
6760.1 (54.2)	48Ti(1381.7,6760.1)	6891.3 (2.1)	133Cs(11.2,116.4)
6766.7 (18.0)	49Ti(1553.8,1121.1)	6896.4 (8.6)	75Se(559.1,8724.4)
6768.4 (3.1)	67Zn(1077.3,1883.1)	6901.3 (3.3)	171Yb(5538.8,5690.9)
6769.9 (3.3)	81Br(29.1,287.7)	6910.6 (6.0)	67Zn(1077.3,1883.1)
6769.9 (24.5)	75Se(559.1,8724.4)	6913.3 (8.6)	75Se(559.1,8724.4)
6776.6 (2.0)	167Er(184.3,6677.4)	6915.3 (4.4)	31P(3900.3,2154.2)
6777.9 (2.5)	75As(6810.5,7020.1)	6915.7 (9.6)	70Ge(499.9,174.9)
6779.8 (26.3)	168Yb(191.2,720.0)	6919.4 (6.8)	95Mo(778.3,850.0)
6783.3 (19.0)	55Mn(26.6,7243.8)	6926.6 (33.1)	75As(6810.5,7020.1)
6784.4 (6.3)	75As(6810.5,7020.1)	6927.2 (2.2)	50V(1609.2,1776.6)
6784.4 (7.7)	75Se(559.1,8724.4)	6928.7 (13.0)	55Mn(26.6,7243.8)
6785.3 (81.3)	31P(3900.3,2154.2)	6931.7 (2.6)	83Kr(881.7,1213.4)
6785.7 (5.8)	103Rh(217.9,5346.6)	6932.8 (14.7)	134Cs(7339.3,6160.4)
6787.6 (3.2)	134Cs(7339.3,6160.4)	6935.2 (4.5)	75Se(559.1,8724.4)
6790.6 (6.4)	65Cu(186.0,465.2)	6938.8 (38.1)	134Cs(7339.3,6160.4)
6791.4 (7.7)	49Ti(1553.8,1121.1)	6941.9 (4.4)	87Sr(1836.0,898.0)
6793.8 (4.1)	201Hg(439.5,520.3)	6947.3 (5.5)	75Se(559.1,8724.4)
6795.5 (2.2)	99Ru(539.7,687.0)	6950.2 (5.7)	167Er(184.3,6677.4)
6802.6 (7.3)	75Se(559.1,8724.4)	6951.5 (4.8)	81Br(29.1,287.7)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
6953.6 (3.2)	75Se (559.1, 8724.4)	7177.7 (3.3)	50V (1609.2, 1776.6)
6960.0 (100.0)	66Zn (6960.0, 6867.0)	7179.2 (2.6)	31P (3900.3, 2154.2)
6960.7 (15.9)	57Fe (810.5, 863.6)	7179.5 (16.0)	76Se (239.0, 520.6)
6965.0 (3.1)	151Sm (3751.0, 4399.0)	7186.5 (3.3)	93Nb (99.4, 255.9)
6974.3 (5.0)	75Se (559.1, 8724.4)	7187.5 (5.9)	75Se (559.1, 8724.4)
6976.2 (8.5)	75As (6810.5, 7020.1)	7188.4 (3.5)	67Zn (1077.3, 1883.1)
6976.2 (5.6)	171Yb (5538.8, 5690.9)	7200.6 (11.4)	natSi (3539.1, 4934.4)
6977.7 (10.4)	natCl (1950.9, 6110.9)	7207.6 (2.3)	75As (6810.5, 7020.1)
6985.6 (5.8)	59Co (58.9, 229.7)	7209.1 (2.6)	77Se (613.7, 694.9)
6989.0 (10.6)	63Cu (7916.3, 278.2)	7211.3 (2.6)	173Yb (176.6, 1241.9)
6998.8 (2.1)	103Rh (217.9, 5346.6)	7214.8 (7.7)	59Co (58.9, 229.7)
6999.5 (5.2)	natK (770.3, 2073.6)	7215.0 (3.1)	151Sm (3751.0, 4399.0)
7003.6 (3.5)	69Ga (508.4, 691.0)	7221.1 (8.6)	75Se (559.1, 8724.4)
7005.1 (63.0)	natB (4443.0, 7005.1)	7222.6 (2.2)	167Er (184.3, 6677.4)
7006.7 (2.3)	99Ru (539.7, 687.0)	7229.9 (6.2)	81Br (29.1, 287.7)
7006.7 (2.6)	74Se (286.6, 7734.1)	7233.5 (2.0)	45Sc (227.8, 142.5)
7009.5 (7.4)	134Cs (7339.3, 6160.4)	7234.3 (3.2)	189Os (186.7, 558.0)
7020.1 (67.5)	75As (6810.5, 7020.1)	7237.9 (3.2)	75Se (559.1, 8724.4)
7028.2 (9.5)	75As (6810.5, 7020.1)	7238.4 (3.8)	47Ti (983.5, 1312.1)
7031.7 (3.0)	79Br (37.1, 245.2)	7241.6 (11.1)	75As (6810.5, 7020.1)
7039.1 (3.2)	75Se (559.1, 8724.4)	7243.8 (68.3)	55Mn (26.6, 7243.8)
7051.8 (3.4)	81Br (29.1, 287.7)	7246.3 (3.0)	54Fe (9297.8, 412.0)
7056.1 (3.7)	59Co (58.9, 229.7)	7246.7 (4.5)	natLi (2032.5, 980.7)
7057.8 (61.1)	55Mn (26.6, 7243.8)	7247.4 (6.8)	75Se (559.1, 8724.4)
7063.7 (26.2)	75As (6810.5, 7020.1)	7253.0 (12.5)	63Cu (7916.3, 278.2)
7065.7 (5.4)	65Cu (186.0, 465.2)	7260.1 (5.0)	73Ge (595.8, 867.9)
7069.0 (14.5)	64Zn (7863.0, 751.0)	7260.5 (6.3)	198Au (493.8, 317.1)
7069.2 (2.2)	59Ni (11386.7, 9102.2)	7262.2 (17.3)	57Fe (810.5, 863.6)
7076.2 (2.6)	107Ag (79.1, 206.6)	7267.1 (3.5)	198Au (493.8, 317.1)
7078.0 (4.7)	61Ni (1172.8, 875.6)	7269.4 (3.0)	107Ag (79.1, 206.6)
7078.4 (3.5)	79Br (37.1, 245.2)	7270.3 (19.4)	55Mn (26.6, 7243.8)
7079.3 (13.0)	179Hf (5572.4, 4707.8)	7278.8 (20.7)	56Fe (7631.2, 7645.6)
7083.0 (40.0)	46Ti (158.6, 1391.5)	7280.8 (2.7)	75Se (559.1, 8724.4)
7090.3 (2.3)	75Se (559.1, 8724.4)	7284.1 (18.1)	75As (6810.5, 7020.1)
7091.2 (2.9)	73Ge (595.8, 867.9)	7287.7 (4.2)	155Gd (199.2, 89.0)
7100.1 (10.4)	53Cr (834.8, 8884.2)	7287.9 (5.3)	51V (22.8, 125.1)
7101.9 (7.9)	134Cs (7339.3, 6160.4)	7292.7 (7.3)	75Se (559.1, 8724.4)
7102.9 (10.0)	99Ru (539.7, 687.0)	7293.5 (8.6)	51V (22.8, 125.1)
7109.2 (14.1)	75Se (559.1, 8724.4)	7299.1 (30.3)	natN (5269.2, 1884.8)
7110.8 (100.0)	145Nd (7110.8, 6093.9)	7300.0 (7.7)	183W (111.2, 903.3)
7112.0 (14.1)	64Zn (7863.0, 751.0)	7301.9 (6.6)	81Br (29.1, 287.7)
7117.5 (7.4)	45Sc (227.8, 142.5)	7306.2 (3.4)	31P (3900.3, 2154.2)
7126.2 (100.0)	92Mo (7126.2, 6577.7)	7307.3 (27.1)	63Cu (7916.3, 278.2)
7138.6 (9.1)	75Se (559.1, 8724.4)	7310.7 (20.9)	51V (22.8, 125.1)
7149.0 (2.2)	50V (1609.2, 1776.6)	7314.4 (4.2)	201Hg (439.5, 520.3)
7152.0 (19.5)	75Se (559.1, 8724.4)	7319.9 (5.6)	177Hf (6112.4, 5807.8)
7159.7 (33.1)	55Mn (26.6, 7243.8)	7326.0 (6.3)	61Ni (1172.8, 875.6)
7162.6 (30.6)	194Ir (300.3, 175.2)	7334.0 (31.7)	46Ti (158.6, 1391.5)
7162.8 (52.9)	51V (22.8, 125.1)	7339.3 (100.0)	134Cs (7339.3, 6160.4)
7163.5 (3.2)	75As (6810.5, 7020.1)	7345.8 (5.8)	85Rb (557.0, 488.0)
7165.0 (100.0)	94Mo (7165.0, 6721.0)	7362.0 (17.1)	50Cr (749.0, 8512.1)
7168.7 (17.9)	47Ti (983.5, 1312.1)	7367.8 (100.0)	207Pb (7367.8)
7172.0 (16.9)	151Sm (3751.0, 4399.0)	7367.9 (10.7)	59Ni (11386.7, 9102.2)
7172.6 (20.5)	81Br (29.1, 287.7)	7374.6 (19.5)	52Cr (7938.6, 564.0)
7177.1 (7.7)	63Cu (7916.3, 278.2)	7380.6 (4.3)	63Ni (1345.8, 9656.9)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
7381.6(2.0)	155Gd(199.2,89.0)	7792.8(2.5)	189Os(186.7,558.0)
7384.1(2.3)	75Se(559.1,8724.4)	7799.4(3.9)	59Ni(11386.7,9102.2)
7387.9(3.5)	173Yb(176.6,1241.9)	7800.0(5.2)	natS(841.1,5420.5)
7407.6(3.2)	75Se(559.1,8724.4)	7803.1(10.5)	75Se(559.1,8724.4)
7411.2(30.7)	183W(111.2,903.3)	7819.6(100.0)	60Ni(7819.6,7820.3)
7411.3(2.0)	163Dy(688.4,754.8)	7820.3(96.2)	60Ni(7819.6,7820.3)
7413.6(4.0)	natN(5269.2,1884.8)	7843.5(2.6)	47Ti(983.5,1312.1)
7413.8(48.0)	natCl(1950.9,6110.9)	7856.2(6.3)	31P(3900.3,2154.2)
7415.6(5.2)	70Ge(499.9,174.9)	7858.9(3.6)	75Se(559.1,8724.4)
7418.5(22.6)	76Se(239.0,520.6)	7859.3(2.3)	67Zn(1077.3,1883.1)
7421.2(33.3)	31P(3900.3,2154.2)	7863.0(100.0)	64Zn(7863.0,751.0)
7423.0(10.5)	75Se(559.1,8724.4)	7884.9(11.8)	75Se(559.1,8724.4)
7423.4(3.6)	79Br(37.1,245.2)	7916.3(100.0)	63Cu(7916.3,278.2)
7430.3(2.3)	75Se(559.1,8724.4)	7934.4(8.6)	75Se(559.1,8724.4)
7436.0(2.6)	61Ni(1172.8,875.6)	7938.6(100.0)	52Cr(7938.6,564.0)
7437.2(4.9)	50V(1609.2,1776.6)	7962.1(6.4)	75Se(559.1,8724.4)
7465.4(2.2)	134Cs(7339.3,6160.4)	7992.1(23.6)	75Se(559.1,8724.4)
7492.0(6.0)	59Co(58.9,229.7)	8009.1(6.1)	47Ti(983.5,1312.1)
7502.6(8.2)	75Se(559.1,8724.4)	8019.0(10.6)	171Yb(5538.8,5690.9)
7505.9(6.3)	99Ru(539.7,687.0)	8030.5(2.1)	73Ge(595.8,867.9)
7507.4(4.3)	167Er(184.3,6677.4)	8039.2(83.4)	86Sr(484.8,8039.2)
7516.6(11.2)	59Ni(11386.7,9102.2)	8048.2(5.9)	75Se(559.1,8724.4)
7527.5(6.2)	87Sr(1836.0,898.0)	8069.1(13.8)	92Mo(7126.2,6577.7)
7533.2(3.4)	177Hf(6112.4,5807.8)	8069.3(16.6)	59Ni(11386.7,9102.2)
7536.7(59.7)	60Ni(7819.6,7820.3)	8084.1(15.9)	75Se(559.1,8724.4)
7537.3(56.2)	60Ni(7819.6,7820.3)	8120.5(8.6)	58Ni(8998.4,8533.4)
7546.8(4.6)	81Br(29.1,287.7)	8132.5(9.4)	45Sc(227.8,142.5)
7549.5(14.1)	75Se(559.1,8724.4)	8136.0(16.9)	151Sm(3751.0,4399.0)
7554.4(4.6)	86Sr(484.8,8039.2)	8154.4(9.7)	natMg(3916.7,2828.1)
7572.3(5.3)	63Cu(7916.3,278.2)	8162.7(2.6)	77Se(613.7,694.9)
7577.6(8.1)	79Br(37.1,245.2)	8170.3(2.4)	77Se(613.7,694.9)
7590.3(4.1)	75Se(559.1,8724.4)	8175.2(35.4)	45Sc(227.8,142.5)
7590.8(3.5)	47Ti(983.5,1312.1)	8176.4(2.3)	75Se(559.1,8724.4)
7595.8(6.4)	75Se(559.1,8724.4)	8192.7(9.5)	59Ni(11386.7,9102.2)
7610.2(4.9)	99Ru(539.7,687.0)	8203.6(25.9)	75Se(559.1,8724.4)
7623.9(10.8)	85Rb(557.0,488.0)	8263.2(8.6)	59Ni(11386.7,9102.2)
7631.2(100.0)	56Fe(7631.2,7645.6)	8263.5(8.7)	49Ti(1553.8,1121.1)
7635.6(8.8)	45Sc(227.8,142.5)	8284.0(4.1)	75Se(559.1,8724.4)
7638.0(48.9)	63Cu(7916.3,278.2)	8293.2(3.6)	75Se(559.1,8724.4)
7644.9(3.6)	75Se(559.1,8724.4)	8310.4(12.8)	natN(5269.2,1884.8)
7645.6(86.2)	56Fe(7631.2,7645.6)	8310.6(2.2)	99Ru(539.7,687.0)
7652.2(2.9)	59Ni(11386.7,9102.2)	8311.5(9.8)	63Ni(1345.8,9656.9)
7665.9(6.6)	50V(1609.2,1776.6)	8314.7(2.7)	67Zn(1077.3,1883.1)
7676.1(2.3)	75Se(559.1,8724.4)	8315.7(7.1)	45Sc(227.8,142.5)
7691.7(2.1)	167Er(184.3,6677.4)	8336.5(8.2)	75Se(559.1,8724.4)
7693.4(15.1)	27Al(7723.9,2960.0)	8341.8(8.2)	75Se(559.1,8724.4)
7697.1(2.5)	58Ni(8998.4,8533.4)	8369.7(17.9)	57Fe(810.5,863.6)
7703.4(5.3)	61Ni(1172.8,875.6)	8470.4(2.7)	45Sc(227.8,142.5)
7723.9(100.0)	27Al(7723.9,2960.0)	8472.9(3.6)	natSi(3539.1,4934.4)
7734.1(46.3)	74Se(286.6,7734.1)	8483.7(11.4)	75Se(559.1,8724.4)
7753.9(13.0)	201Hg(439.5,520.3)	8484.0(32.5)	50Cr(749.0,8512.1)
7756.9(4.8)	63Cu(7916.3,278.2)	8501.3(2.2)	77Se(613.7,694.9)
7770.2(13.0)	natK(770.3,2073.6)	8512.1(46.3)	50Cr(749.0,8512.1)
7788.6(2.1)	31P(3900.3,2154.2)	8532.2(18.2)	45Sc(227.8,142.5)
7790.2(39.4)	natCl(1950.9,6110.9)	8533.4(48.0)	58Ni(8998.4,8533.4)

E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)	E(g) (Ig/Ig max) (keV) %	Target Nucleus (Strongest 2 Gs)
8551.3 (6.1)	61Ni (1172.8, 875.6)	9233.7 (3.3)	57Fe (810.5, 863.6)
8578.4 (13.4)	natCl (1950.9, 6110.9)	9297.8 (100.0)	54Fe (9297.8, 412.0)
8640.9 (3.5)	natS (841.1, 5420.5)	9365.9 (2.3)	75Se (559.1, 8724.4)
8724.4 (100.0)	75Se (559.1, 8724.4)	9384.4 (5.1)	49Ti (1553.8, 1121.1)
8732.0 (2.0)	73Ge (595.8, 867.9)	9422.3 (6.6)	61Ni (1172.8, 875.6)
8759.9 (3.2)	45Sc (227.8, 142.5)	9442.6 (3.0)	50V (1609.2, 1776.6)
8884.2 (55.7)	53Cr (834.8, 8884.2)	9464.9 (2.3)	75Se (559.1, 8724.4)
8886.4 (18.6)	54Fe (9297.8, 412.0)	9656.9 (80.7)	63Ni (1345.8, 9656.9)
8998.4 (100.0)	58Ni (8998.4, 8533.4)	9718.8 (18.5)	53Cr (834.8, 8884.2)
9102.2 (42.9)	59Ni (11386.7, 9102.2)	9883.5 (10.7)	77Se (613.7, 694.9)
9107.4 (3.0)	135Ba (818.7, 1261.8)	9937.5 (4.5)	75Se (559.1, 8724.4)
9120.1 (3.9)	67Zn (1077.3, 1883.1)	10044.1 (4.1)	57Fe (810.5, 863.6)
9127.3 (2.3)	75Se (559.1, 8724.4)	10053.6 (39.2)	59Ni (11386.7, 9102.2)
9149.4 (5.5)	natN (5269.2, 1884.8)	10594.5 (15.9)	75Se (559.1, 8724.4)
9188.7 (7.1)	77Se (613.7, 694.9)	10594.6 (4.9)	61Ni (1172.8, 875.6)
9204.7 (6.8)	47Ti (983.5, 1312.1)	10829.2 (47.5)	natN (5269.2, 1884.8)
9227.5 (5.7)	59Ni (11386.7, 9102.2)	11386.7 (100.0)	59Ni (11386.7, 9102.2)