

Tab. C3: Comparison of cumulative fission yields of JENDL/FPY-2011 (Sep. 2016) and JENDL/FPY-2011 (Feb. 2017) released in Feb. 2017. The data of En=14 MeV neutron fission are shown. (M indicates ground or isometric state: 0 is ground state, 1 is first isomer, and 2 is second isomer. The percent difference, defined as $(Y_{\text{Feb}} - Y_{\text{Sep}})/Y_{\text{Sep}} \times 100$, is shown in the last column.)

| Z | A | M | Nuclide | Sep. 2016 | | Feb. 2017 | | $(Y_{\text{Feb}} - Y_{\text{Sep}})/Y_{\text{Sep}} \times 100$ |
|----|----|---|---------|------------------|-------------------------|------------------|-------------------------|---|
| | | | | Y_{Sep} | ΔY_{Sep} | Y_{Feb} | ΔY_{Feb} | |
| 1 | 1 | 0 | H-1 | 1.72E-05 | 2.75E-06 | 1.72E-05 | 2.75E-06 | 0.0000 |
| 1 | 2 | 0 | H-2 | 5.25E-06 | 7.51E-07 | 5.25E-06 | 7.51E-07 | 0.0000 |
| 1 | 3 | 0 | H-3 | 7.50E-05 | 6.00E-06 | 7.50E-05 | 6.00E-06 | 0.0000 |
| 2 | 3 | 0 | He-3 | 7.50E-05 | 6.00E-06 | 7.50E-05 | 6.00E-06 | 0.0000 |
| 2 | 4 | 0 | He-4 | 1.25E-03 | 7.99E-05 | 1.25E-03 | 7.99E-05 | 0.0000 |
| 2 | 6 | 0 | He-6 | 1.74E-05 | 2.58E-06 | 1.74E-05 | 2.58E-06 | 0.0000 |
| 2 | 8 | 0 | He-8 | 3.26E-07 | 8.08E-08 | 3.26E-07 | 8.08E-08 | 0.0000 |
| 3 | 6 | 0 | Li-6 | 1.31E-06 | 1.93E-07 | 1.31E-06 | 1.93E-07 | 0.0000 |
| 3 | 7 | 0 | Li-7 | 9.27E-08 | 1.50E-08 | 9.27E-08 | 1.50E-08 | 0.0000 |
| 3 | 8 | 0 | Li-8 | 2.98E-07 | 6.82E-08 | 2.98E-07 | 6.82E-08 | 0.0000 |
| 3 | 9 | 0 | Li-9 | 2.88E-08 | 6.72E-09 | 2.88E-08 | 6.72E-09 | 0.0000 |
| 4 | 7 | 0 | Be-7 | 4.52E-07 | 8.55E-08 | 4.52E-07 | 8.55E-08 | 0.0000 |
| 4 | 8 | 0 | Be-8 | 2.85E-07 | 6.77E-08 | 2.85E-07 | 6.77E-08 | 0.0000 |
| 4 | 9 | 0 | Be-9 | 3.37E-07 | 7.51E-08 | 3.37E-07 | 7.51E-08 | 0.0000 |
| 4 | 10 | 0 | Be-10 | 3.22E-07 | 5.38E-08 | 3.22E-07 | 5.38E-08 | 0.0000 |
| 23 | 66 | 0 | V-66 | 3.30E-13 | 2.11E-13 | 3.34E-13 | 2.13E-13 | 1.1582 |
| 24 | 66 | 0 | Cr-66 | 7.85E-10 | 5.02E-10 | 7.94E-10 | 5.06E-10 | 1.1581 |
| 24 | 67 | 0 | Cr-67 | 1.50E-10 | 9.59E-11 | 1.52E-10 | 9.66E-11 | 1.1581 |
| 24 | 68 | 0 | Cr-68 | 1.43E-11 | 9.14E-12 | 1.45E-11 | 9.22E-12 | 1.1584 |
| 24 | 69 | 0 | Cr-69 | 6.51E-13 | 4.17E-13 | 6.59E-13 | 4.20E-13 | 1.1579 |
| 24 | 70 | 0 | Cr-70 | 5.64E-14 | 3.61E-14 | 5.70E-14 | 3.63E-14 | 1.1581 |
| 25 | 66 | 0 | Mn-66 | 8.64E-08 | 5.53E-08 | 8.74E-08 | 5.57E-08 | 1.1581 |
| 25 | 67 | 0 | Mn-67 | 3.97E-08 | 2.54E-08 | 4.01E-08 | 2.56E-08 | 1.1578 |
| 25 | 68 | 0 | Mn-68 | 9.22E-09 | 5.90E-09 | 9.32E-09 | 5.94E-09 | 1.1580 |
| 25 | 69 | 0 | Mn-69 | 1.55E-09 | 9.91E-10 | 1.57E-09 | 9.98E-10 | 1.1580 |
| 25 | 70 | 0 | Mn-70 | 2.23E-10 | 1.43E-10 | 2.26E-10 | 1.44E-10 | 1.1581 |
| 25 | 71 | 0 | Mn-71 | 2.12E-11 | 1.36E-11 | 2.15E-11 | 1.37E-11 | 1.1582 |
| 25 | 72 | 0 | Mn-72 | 1.22E-12 | 7.80E-13 | 1.23E-12 | 7.86E-13 | 1.1580 |
| 25 | 73 | 0 | Mn-73 | 1.63E-13 | 1.04E-13 | 1.65E-13 | 1.05E-13 | 1.1583 |
| 26 | 66 | 0 | Fe-66 | 1.09E-06 | 6.97E-07 | 1.10E-06 | 7.04E-07 | 1.1580 |
| 26 | 67 | 0 | Fe-67 | 1.10E-06 | 7.05E-07 | 1.11E-06 | 7.10E-07 | 1.1582 |
| 26 | 68 | 0 | Fe-68 | 5.89E-07 | 3.77E-07 | 5.96E-07 | 3.80E-07 | 1.1580 |
| 26 | 69 | 0 | Fe-69 | 2.35E-07 | 1.50E-07 | 2.38E-07 | 1.52E-07 | 1.1580 |
| 26 | 70 | 0 | Fe-70 | 8.17E-08 | 5.23E-08 | 8.27E-08 | 5.27E-08 | 1.1581 |
| 26 | 71 | 0 | Fe-71 | 1.91E-08 | 1.22E-08 | 1.93E-08 | 1.23E-08 | 1.1579 |
| 26 | 72 | 0 | Fe-72 | 2.90E-09 | 1.85E-09 | 2.93E-09 | 1.87E-09 | 1.1579 |
| 26 | 73 | 0 | Fe-73 | 3.88E-10 | 2.48E-10 | 3.93E-10 | 2.50E-10 | 1.1580 |
| 26 | 74 | 0 | Fe-74 | 2.93E-11 | 1.87E-11 | 2.96E-11 | 1.89E-11 | 1.1581 |
| 26 | 75 | 0 | Fe-75 | 2.15E-12 | 1.38E-12 | 2.17E-12 | 1.39E-12 | 1.1577 |
| 26 | 76 | 0 | Fe-76 | 5.50E-14 | 3.52E-14 | 5.56E-14 | 3.55E-14 | 1.1581 |
| 27 | 66 | 0 | Co-66 | 2.57E-06 | 8.29E-07 | 2.60E-06 | 8.29E-07 | 1.1582 |
| 27 | 67 | 0 | Co-67 | 4.50E-06 | 2.88E-06 | 4.55E-06 | 2.90E-06 | 1.1579 |
| 27 | 68 | 0 | Co-68 | 2.85E-06 | 1.83E-06 | 2.02E-06 | 1.29E-06 | -29.3917 |
| 27 | 68 | 1 | Co-68m | 1.82E-06 | 9.88E-07 | 1.84E-06 | 9.99E-07 | 1.1580 |
| 27 | 69 | 0 | Co-69 | 3.95E-06 | 2.53E-06 | 3.99E-06 | 2.55E-06 | 1.1581 |
| 27 | 70 | 0 | Co-70 | 2.22E-06 | 1.42E-06 | 1.66E-06 | 1.07E-06 | -25.0420 |
| 27 | 70 | 1 | Co-70m | 8.58E-07 | 6.21E-07 | 8.68E-07 | 6.28E-07 | 1.1579 |
| 27 | 71 | 0 | Co-71 | 1.68E-06 | 1.07E-06 | 1.70E-06 | 1.08E-06 | 1.1577 |

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|----|----|---|---------|----------|----------|----------|----------|----------|
| 27 | 72 | 0 | Co-72 | 6.07E-07 | 3.89E-07 | 6.14E-07 | 3.92E-07 | 1.1580 |
| 27 | 73 | 0 | Co-73 | 1.98E-07 | 1.27E-07 | 2.00E-07 | 1.27E-07 | 1.1581 |
| 27 | 74 | 0 | Co-74 | 3.67E-08 | 2.35E-08 | 3.71E-08 | 2.36E-08 | 1.1581 |
| 27 | 75 | 0 | Co-75 | 5.11E-09 | 3.27E-09 | 5.17E-09 | 3.30E-09 | 1.1579 |
| 27 | 76 | 0 | Co-76 | 4.39E-10 | 2.81E-10 | 4.44E-10 | 2.83E-10 | 1.1580 |
| 27 | 77 | 0 | Co-77 | 2.26E-11 | 1.44E-11 | 2.28E-11 | 1.46E-11 | 1.1583 |
| 27 | 78 | 0 | Co-78 | 2.23E-12 | 1.43E-12 | 2.25E-12 | 1.44E-12 | 1.1582 |
| 28 | 66 | 0 | Ni-66 | 2.90E-06 | 3.17E-07 | 2.93E-06 | 3.21E-07 | 1.1579 |
| 28 | 67 | 0 | Ni-67 | 5.93E-06 | 1.37E-06 | 5.98E-06 | 1.37E-06 | 0.8054 |
| 28 | 68 | 0 | Ni-68 | 8.34E-06 | 3.80E-06 | 7.58E-06 | 3.89E-06 | -9.0506 |
| 28 | 69 | 0 | Ni-69 | 7.78E-06 | 4.98E-06 | 7.10E-06 | 4.54E-06 | -8.7813 |
| 28 | 69 | 1 | Ni-69m | 3.55E-06 | 6.50E-07 | 3.59E-06 | 6.57E-07 | 1.1582 |
| 28 | 70 | 0 | Ni-70 | 1.60E-05 | 1.02E-05 | 1.56E-05 | 1.00E-05 | -2.2127 |
| 28 | 71 | 0 | Ni-71 | 1.71E-05 | 1.10E-05 | 1.73E-05 | 1.11E-05 | 1.1577 |
| 28 | 72 | 0 | Ni-72 | 1.37E-05 | 8.76E-06 | 1.38E-05 | 8.82E-06 | 1.1579 |
| 28 | 73 | 0 | Ni-73 | 1.01E-05 | 6.44E-06 | 1.02E-05 | 6.52E-06 | 1.1581 |
| 28 | 74 | 0 | Ni-74 | 4.42E-06 | 2.83E-06 | 4.47E-06 | 2.85E-06 | 1.1579 |
| 28 | 75 | 0 | Ni-75 | 1.48E-06 | 9.49E-07 | 1.50E-06 | 9.54E-07 | 1.1577 |
| 28 | 76 | 0 | Ni-76 | 3.18E-07 | 2.03E-07 | 3.22E-07 | 2.05E-07 | 1.1578 |
| 28 | 77 | 0 | Ni-77 | 5.37E-08 | 3.44E-08 | 5.43E-08 | 3.46E-08 | 1.1581 |
| 28 | 78 | 0 | Ni-78 | 5.30E-09 | 3.39E-09 | 5.36E-09 | 3.42E-09 | 1.1581 |
| 28 | 79 | 0 | Ni-79 | 1.92E-10 | 1.23E-10 | 1.94E-10 | 1.24E-10 | 1.1580 |
| 28 | 80 | 0 | Ni-80 | 1.85E-11 | 1.18E-11 | 1.87E-11 | 1.19E-11 | 1.1575 |
| 28 | 81 | 0 | Ni-81 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 28 | 82 | 0 | Ni-82 | 1.01E-14 | 6.48E-15 | 1.02E-14 | 6.53E-15 | 1.1576 |
| 29 | 66 | 0 | Cu-66 | 2.91E-06 | 3.18E-07 | 2.94E-06 | 3.22E-07 | 1.1578 |
| 29 | 67 | 0 | Cu-67 | 6.01E-06 | 6.65E-07 | 6.05E-06 | 6.65E-07 | 0.8096 |
| 29 | 68 | 0 | Cu-68 | 8.71E-06 | 2.00E-06 | 7.96E-06 | 2.13E-06 | -8.6171 |
| 29 | 68 | 1 | Cu-68m | 3.48E-07 | 2.23E-07 | 3.52E-07 | 2.24E-07 | 1.0233 |
| 29 | 69 | 0 | Cu-69 | 1.32E-05 | 5.92E-06 | 1.26E-05 | 5.95E-06 | -4.7117 |
| 29 | 70 | 0 | Cu-70 | 5.18E-06 | 3.31E-06 | 6.53E-06 | 4.18E-06 | 26.0850 |
| 29 | 70 | 1 | Cu-70m | 6.19E-06 | 3.96E-06 | 1.76E-06 | 1.12E-06 | -71.6345 |
| 29 | 70 | 2 | Cu-70m2 | 1.68E-05 | 8.00E-07 | 1.65E-05 | 8.10E-07 | -2.0116 |
| 29 | 71 | 0 | Cu-71 | 3.60E-05 | 1.64E-05 | 3.64E-05 | 1.64E-05 | 1.1583 |
| 29 | 72 | 0 | Cu-72 | 4.77E-05 | 2.16E-05 | 4.82E-05 | 2.16E-05 | 1.1579 |
| 29 | 73 | 0 | Cu-73 | 6.68E-05 | 4.27E-05 | 6.76E-05 | 4.31E-05 | 1.1579 |
| 29 | 74 | 0 | Cu-74 | 6.05E-05 | 3.87E-05 | 6.12E-05 | 3.90E-05 | 1.1579 |
| 29 | 75 | 0 | Cu-75 | 4.49E-05 | 2.88E-05 | 4.55E-05 | 2.90E-05 | 1.1581 |
| 29 | 76 | 0 | Cu-76 | 1.91E-05 | 1.22E-05 | 1.64E-05 | 1.05E-05 | -13.9950 |
| 29 | 76 | 1 | Cu-76m | 3.68E-06 | 2.70E-06 | 3.72E-06 | 2.73E-06 | 1.1580 |
| 29 | 77 | 0 | Cu-77 | 9.32E-06 | 5.96E-06 | 9.43E-06 | 6.03E-06 | 1.1581 |
| 29 | 78 | 0 | Cu-78 | 2.34E-06 | 1.50E-06 | 2.36E-06 | 1.51E-06 | 1.1578 |
| 29 | 79 | 0 | Cu-79 | 4.57E-07 | 2.92E-07 | 4.62E-07 | 2.94E-07 | 1.1580 |
| 29 | 80 | 0 | Cu-80 | 5.48E-08 | 3.51E-08 | 5.54E-08 | 3.53E-08 | 1.1581 |
| 29 | 81 | 0 | Cu-81 | 3.44E-09 | 2.20E-09 | 3.48E-09 | 2.22E-09 | 1.1579 |
| 29 | 82 | 0 | Cu-82 | 2.19E-10 | 1.40E-10 | 2.22E-10 | 1.41E-10 | 1.1579 |
| 29 | 83 | 0 | Cu-83 | 1.84E-11 | 1.18E-11 | 1.86E-11 | 1.19E-11 | 1.1579 |
| 29 | 84 | 0 | Cu-84 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 30 | 66 | 0 | Zn-66 | 2.91E-06 | 2.32E-07 | 2.94E-06 | 2.38E-07 | 1.1581 |
| 30 | 67 | 0 | Zn-67 | 6.01E-06 | 4.84E-07 | 6.06E-06 | 4.83E-07 | 0.8096 |
| 30 | 68 | 0 | Zn-68 | 8.77E-06 | 9.81E-07 | 8.02E-06 | 1.30E-06 | -8.5498 |
| 30 | 69 | 0 | Zn-69 | 1.32E-05 | 5.94E-06 | 1.26E-05 | 5.97E-06 | -4.6876 |
| 30 | 69 | 1 | Zn-69m | 4.90E-08 | 3.14E-08 | 4.95E-08 | 3.15E-08 | 0.9206 |
| 30 | 70 | 0 | Zn-70 | 2.46E-05 | 2.76E-06 | 2.33E-05 | 2.62E-06 | -5.1559 |
| 30 | 71 | 0 | Zn-71 | 3.03E-05 | 1.07E-05 | 3.07E-05 | 1.05E-05 | 1.1790 |
| 30 | 71 | 1 | Zn-71m | 8.56E-06 | 5.48E-06 | 8.65E-06 | 5.54E-06 | 1.0832 |
| 30 | 72 | 0 | Zn-72 | 5.93E-05 | 4.79E-06 | 5.99E-05 | 4.78E-06 | 1.1580 |
| 30 | 73 | 0 | Zn-73 | 7.00E-05 | 3.15E-05 | 6.78E-05 | 3.19E-05 | -3.1393 |
| 30 | 73 | 1 | Zn-73m | 3.86E-05 | 3.09E-05 | 3.91E-05 | 3.13E-05 | 1.1581 |
| 30 | 74 | 0 | Zn-74 | 1.51E-04 | 6.79E-05 | 1.53E-04 | 6.80E-05 | 1.1575 |
| 30 | 75 | 0 | Zn-75 | 1.95E-04 | 1.25E-04 | 1.97E-04 | 1.26E-04 | 1.1132 |

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|----|----|---|--------|----------|----------|----------|----------|----------|
| 30 | 76 | 0 | Zn-76 | 1.99E-04 | 1.28E-04 | 1.99E-04 | 1.27E-04 | -0.2492 |
| 30 | 77 | 0 | Zn-77 | 1.78E-04 | 1.14E-04 | 1.54E-04 | 9.85E-05 | -13.4923 |
| 30 | 77 | 1 | Zn-77m | 2.09E-05 | 1.04E-05 | 2.11E-05 | 1.05E-05 | 1.1577 |
| 30 | 78 | 0 | Zn-78 | 1.04E-04 | 6.64E-05 | 1.05E-04 | 6.72E-05 | 1.1579 |
| 30 | 79 | 0 | Zn-79 | 5.00E-05 | 3.20E-05 | 5.06E-05 | 3.24E-05 | 1.1580 |
| 30 | 80 | 0 | Zn-80 | 1.52E-05 | 9.70E-06 | 1.53E-05 | 9.78E-06 | 1.1576 |
| 30 | 81 | 0 | Zn-81 | 2.49E-06 | 1.60E-06 | 2.52E-06 | 1.61E-06 | 1.1579 |
| 30 | 82 | 0 | Zn-82 | 4.21E-07 | 2.69E-07 | 4.26E-07 | 2.72E-07 | 1.1579 |
| 30 | 83 | 0 | Zn-83 | 4.38E-08 | 2.80E-08 | 4.43E-08 | 2.82E-08 | 1.1581 |
| 30 | 84 | 0 | Zn-84 | 2.22E-09 | 1.42E-09 | 2.25E-09 | 1.43E-09 | 1.1577 |
| 30 | 85 | 0 | Zn-85 | 1.01E-10 | 6.49E-11 | 1.03E-10 | 6.54E-11 | 1.1577 |
| 30 | 86 | 0 | Zn-86 | 1.08E-12 | 6.92E-13 | 1.09E-12 | 6.98E-13 | 1.1582 |
| 31 | 67 | 0 | Ga-67 | 1.78E-13 | 1.14E-13 | 1.80E-13 | 1.15E-13 | 1.1578 |
| 31 | 68 | 0 | Ga-68 | 6.59E-12 | 4.22E-12 | 6.67E-12 | 4.25E-12 | 1.1580 |
| 31 | 69 | 0 | Ga-69 | 1.32E-05 | 4.22E-06 | 1.26E-05 | 4.26E-06 | -4.6875 |
| 31 | 70 | 0 | Ga-70 | 3.55E-09 | 2.27E-09 | 3.59E-09 | 2.29E-09 | 1.1581 |
| 31 | 71 | 0 | Ga-71 | 3.89E-05 | 4.37E-06 | 3.94E-05 | 4.34E-06 | 1.1578 |
| 31 | 72 | 0 | Ga-72 | 6.02E-05 | 3.85E-05 | 6.04E-05 | 3.85E-05 | 0.3708 |
| 31 | 72 | 1 | Ga-72m | 2.48E-06 | 1.59E-06 | 2.27E-06 | 1.46E-06 | -8.3844 |
| 31 | 73 | 0 | Ga-73 | 1.13E-04 | 3.63E-05 | 1.11E-04 | 3.64E-05 | -1.5166 |
| 31 | 74 | 0 | Ga-74 | 1.34E-04 | 8.57E-05 | 1.38E-04 | 8.80E-05 | 2.7025 |
| 31 | 74 | 1 | Ga-74m | 1.44E-04 | 8.13E-05 | 1.37E-04 | 7.67E-05 | -4.5874 |
| 31 | 75 | 0 | Ga-75 | 2.63E-04 | 1.20E-04 | 2.66E-04 | 1.20E-04 | 1.1251 |
| 31 | 76 | 0 | Ga-76 | 3.75E-04 | 8.68E-05 | 3.77E-04 | 8.68E-05 | 0.4104 |
| 31 | 77 | 0 | Ga-77 | 5.50E-04 | 3.52E-04 | 5.44E-04 | 3.48E-04 | -1.0445 |
| 31 | 78 | 0 | Ga-78 | 6.22E-04 | 3.98E-04 | 6.29E-04 | 4.02E-04 | 1.1580 |
| 31 | 79 | 0 | Ga-79 | 6.35E-04 | 4.07E-04 | 6.43E-04 | 4.10E-04 | 1.1581 |
| 31 | 80 | 0 | Ga-80 | 4.41E-04 | 2.82E-04 | 4.46E-04 | 2.84E-04 | 1.1581 |
| 31 | 81 | 0 | Ga-81 | 1.78E-04 | 1.14E-04 | 1.80E-04 | 1.15E-04 | 1.1580 |
| 31 | 82 | 0 | Ga-82 | 7.67E-05 | 4.91E-05 | 7.76E-05 | 4.95E-05 | 1.1580 |
| 31 | 83 | 0 | Ga-83 | 2.13E-05 | 1.36E-05 | 2.15E-05 | 1.37E-05 | 1.1583 |
| 31 | 84 | 0 | Ga-84 | 2.85E-06 | 1.82E-06 | 2.88E-06 | 1.84E-06 | 1.1581 |
| 31 | 85 | 0 | Ga-85 | 2.41E-07 | 1.54E-07 | 2.44E-07 | 1.56E-07 | 1.1580 |
| 31 | 86 | 0 | Ga-86 | 1.04E-08 | 6.67E-09 | 1.05E-08 | 6.72E-09 | 1.1580 |
| 31 | 87 | 0 | Ga-87 | 3.80E-10 | 2.43E-10 | 3.85E-10 | 2.45E-10 | 1.1582 |
| 31 | 88 | 0 | Ga-88 | 3.00E-11 | 1.92E-11 | 3.04E-11 | 1.94E-11 | 1.1582 |
| 31 | 89 | 0 | Ga-89 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 32 | 69 | 0 | Ge-69 | 4.62E-14 | 2.95E-14 | 4.67E-14 | 2.98E-14 | 1.1581 |
| 32 | 70 | 0 | Ge-70 | 3.54E-09 | 2.27E-09 | 3.58E-09 | 2.29E-09 | 1.1581 |
| 32 | 71 | 0 | Ge-71 | 1.73E-10 | 1.02E-10 | 8.76E-11 | 4.84E-11 | -49.4210 |
| 32 | 71 | 1 | Ge-71m | 8.66E-11 | 5.12E-11 | 7.77E-11 | 4.96E-11 | -10.1716 |
| 32 | 72 | 0 | Ge-72 | 6.02E-05 | 4.81E-06 | 6.04E-05 | 4.82E-06 | 0.3708 |
| 32 | 73 | 0 | Ge-73 | 1.13E-04 | 1.25E-05 | 1.11E-04 | 1.27E-05 | -1.5152 |
| 32 | 73 | 1 | Ge-73m | 1.11E-04 | 2.62E-05 | 1.09E-04 | 2.64E-05 | -1.5162 |
| 32 | 74 | 0 | Ge-74 | 1.70E-04 | 1.87E-05 | 1.72E-04 | 1.88E-05 | 1.1578 |
| 32 | 75 | 0 | Ge-75 | 2.67E-04 | 6.21E-05 | 2.70E-04 | 6.21E-05 | 1.1253 |
| 32 | 75 | 1 | Ge-75m | 2.21E-05 | 1.02E-05 | 2.24E-05 | 1.04E-05 | 1.1807 |
| 32 | 76 | 0 | Ge-76 | 3.98E-04 | 4.40E-05 | 4.00E-04 | 4.40E-05 | 0.4523 |
| 32 | 77 | 0 | Ge-77 | 2.06E-04 | 9.26E-05 | 2.05E-04 | 9.24E-05 | -0.2614 |
| 32 | 77 | 1 | Ge-77m | 5.58E-04 | 3.23E-04 | 5.53E-04 | 3.22E-04 | -0.8780 |
| 32 | 78 | 0 | Ge-78 | 9.61E-04 | 4.36E-04 | 9.72E-04 | 4.36E-04 | 1.1580 |
| 32 | 79 | 0 | Ge-79 | 1.05E-03 | 6.74E-04 | 7.11E-04 | 4.45E-04 | -32.4412 |
| 32 | 79 | 1 | Ge-79m | 4.65E-04 | 2.98E-04 | 8.39E-04 | 5.34E-04 | 80.3220 |
| 32 | 80 | 0 | Ge-80 | 1.87E-03 | 1.19E-03 | 1.89E-03 | 1.20E-03 | 1.1577 |
| 32 | 81 | 0 | Ge-81 | 1.32E-03 | 8.45E-04 | 1.20E-03 | 7.66E-04 | -9.3165 |
| 32 | 81 | 1 | Ge-81m | 2.41E-04 | 1.34E-04 | 2.44E-04 | 1.36E-04 | 1.1580 |
| 32 | 82 | 0 | Ge-82 | 1.52E-03 | 9.71E-04 | 1.53E-03 | 9.77E-04 | 1.1574 |
| 32 | 83 | 0 | Ge-83 | 1.03E-03 | 6.60E-04 | 1.04E-03 | 6.64E-04 | 1.1574 |
| 32 | 84 | 0 | Ge-84 | 3.50E-04 | 2.24E-04 | 3.54E-04 | 2.27E-04 | 1.1580 |
| 32 | 85 | 0 | Ge-85 | 7.84E-05 | 5.02E-05 | 7.93E-05 | 5.07E-05 | 1.1581 |
| 32 | 86 | 0 | Ge-86 | 9.15E-06 | 5.85E-06 | 9.25E-06 | 5.90E-06 | 1.1580 |

| | | | | | | | | |
|----|----|---|--------|----------|----------|----------|----------|----------|
| 32 | 87 | 0 | Ge-87 | 9.04E-07 | 5.79E-07 | 9.14E-07 | 5.83E-07 | 1.1581 |
| 32 | 88 | 0 | Ge-88 | 7.15E-08 | 4.57E-08 | 7.23E-08 | 4.61E-08 | 1.1581 |
| 32 | 89 | 0 | Ge-89 | 2.09E-09 | 1.34E-09 | 2.11E-09 | 1.35E-09 | 1.1579 |
| 32 | 90 | 0 | Ge-90 | 2.69E-10 | 1.72E-10 | 2.72E-10 | 1.73E-10 | 1.1580 |
| 32 | 91 | 0 | Ge-91 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 33 | 72 | 0 | As-72 | 7.64E-13 | 4.89E-13 | 7.73E-13 | 4.93E-13 | 1.1580 |
| 33 | 73 | 0 | As-73 | 3.81E-11 | 2.44E-11 | 3.86E-11 | 2.46E-11 | 1.1581 |
| 33 | 74 | 0 | As-74 | 1.05E-09 | 6.71E-10 | 1.06E-09 | 6.78E-10 | 1.1581 |
| 33 | 75 | 0 | As-75 | 2.67E-04 | 2.98E-05 | 2.70E-04 | 2.97E-05 | 1.1255 |
| 33 | 76 | 0 | As-76 | 3.19E-07 | 2.04E-07 | 3.22E-07 | 2.05E-07 | 1.1582 |
| 33 | 77 | 0 | As-77 | 6.61E-04 | 1.07E-04 | 6.57E-04 | 1.07E-04 | -0.6745 |
| 33 | 78 | 0 | As-78 | 9.89E-04 | 2.30E-04 | 1.00E-03 | 2.29E-04 | 1.1580 |
| 33 | 79 | 0 | As-79 | 1.66E-03 | 7.54E-04 | 1.68E-03 | 7.54E-04 | 1.1579 |
| 33 | 80 | 0 | As-80 | 2.48E-03 | 5.76E-04 | 2.51E-03 | 5.75E-04 | 1.1581 |
| 33 | 81 | 0 | As-81 | 3.22E-03 | 1.03E-03 | 3.12E-03 | 1.04E-03 | -3.1308 |
| 33 | 82 | 0 | As-82 | 3.18E-03 | 2.04E-03 | 2.04E-03 | 1.30E-03 | -35.8651 |
| 33 | 82 | 1 | As-82m | 1.66E-03 | 1.07E-03 | 2.86E-03 | 1.82E-03 | 71.8978 |
| 33 | 83 | 0 | As-83 | 6.65E-03 | 3.01E-03 | 6.73E-03 | 3.01E-03 | 1.1580 |
| 33 | 84 | 0 | As-84 | 2.61E-03 | 1.67E-03 | 4.95E-03 | 2.93E-03 | 89.6998 |
| 33 | 85 | 0 | As-85 | 2.64E-03 | 1.69E-03 | 2.67E-03 | 1.70E-03 | 1.1580 |
| 33 | 86 | 0 | As-86 | 7.84E-04 | 5.02E-04 | 7.93E-04 | 5.05E-04 | 1.1581 |
| 33 | 87 | 0 | As-87 | 2.03E-04 | 1.30E-04 | 2.05E-04 | 1.31E-04 | 1.1578 |
| 33 | 88 | 0 | As-88 | 4.29E-05 | 2.75E-05 | 4.34E-05 | 2.77E-05 | 1.1581 |
| 33 | 89 | 0 | As-89 | 4.96E-06 | 3.18E-06 | 5.02E-06 | 3.20E-06 | 1.1579 |
| 33 | 90 | 0 | As-90 | 6.39E-07 | 4.09E-07 | 6.47E-07 | 4.12E-07 | 1.1579 |
| 33 | 91 | 0 | As-91 | 6.07E-09 | 3.88E-09 | 6.14E-09 | 3.91E-09 | 1.1579 |
| 33 | 92 | 0 | As-92 | 4.80E-10 | 3.07E-10 | 4.85E-10 | 3.09E-10 | 1.1582 |
| 33 | 93 | 0 | As-93 | 2.16E-11 | 1.38E-11 | 2.19E-11 | 1.40E-11 | 1.1581 |
| 33 | 94 | 0 | As-94 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 33 | 95 | 0 | As-95 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 34 | 74 | 0 | Se-74 | 3.57E-10 | 2.22E-10 | 3.61E-10 | 2.22E-10 | 1.1582 |
| 34 | 75 | 0 | Se-75 | 1.19E-11 | 7.62E-12 | 1.20E-11 | 7.68E-12 | 1.1578 |
| 34 | 76 | 0 | Se-76 | 3.19E-07 | 2.04E-07 | 3.23E-07 | 2.05E-07 | 1.1581 |
| 34 | 77 | 0 | Se-77 | 6.61E-04 | 7.34E-05 | 6.57E-04 | 7.38E-05 | -0.6745 |
| 34 | 77 | 1 | Se-77m | 1.99E-06 | 4.62E-07 | 1.98E-06 | 4.63E-07 | -0.6622 |
| 34 | 78 | 0 | Se-78 | 9.89E-04 | 1.10E-04 | 1.00E-03 | 1.10E-04 | 1.1576 |
| 34 | 79 | 0 | Se-79 | 1.67E-03 | 3.86E-04 | 1.69E-03 | 3.86E-04 | 1.1584 |
| 34 | 79 | 1 | Se-79m | 1.63E-03 | 5.38E-04 | 1.65E-03 | 5.37E-04 | 1.1593 |
| 34 | 80 | 0 | Se-80 | 2.52E-03 | 2.79E-04 | 2.54E-03 | 2.79E-04 | 1.1578 |
| 34 | 81 | 0 | Se-81 | 3.40E-03 | 5.46E-04 | 3.30E-03 | 5.57E-04 | -2.9086 |
| 34 | 81 | 1 | Se-81m | 2.96E-04 | 1.69E-04 | 2.94E-04 | 1.67E-04 | -0.6018 |
| 34 | 82 | 0 | Se-82 | 5.84E-03 | 6.49E-04 | 5.91E-03 | 6.48E-04 | 1.1580 |
| 34 | 83 | 0 | Se-83 | 5.93E-03 | 2.67E-03 | 6.00E-03 | 2.67E-03 | 1.0853 |
| 34 | 83 | 1 | Se-83m | 4.66E-03 | 1.51E-03 | 4.72E-03 | 1.51E-03 | 1.3397 |
| 34 | 84 | 0 | Se-84 | 1.13E-02 | 4.82E-03 | 1.37E-02 | 4.32E-03 | 21.5435 |
| 34 | 85 | 0 | Se-85 | 1.12E-02 | 6.34E-03 | 1.13E-02 | 6.44E-03 | 1.1580 |
| 34 | 86 | 0 | Se-86 | 7.73E-03 | 3.63E-03 | 7.82E-03 | 3.63E-03 | 1.1579 |
| 34 | 87 | 0 | Se-87 | 4.85E-03 | 2.17E-03 | 4.90E-03 | 2.17E-03 | 1.1579 |
| 34 | 88 | 0 | Se-88 | 2.56E-03 | 1.64E-03 | 2.59E-03 | 1.66E-03 | 1.1581 |
| 34 | 89 | 0 | Se-89 | 7.51E-04 | 4.81E-04 | 7.60E-04 | 4.85E-04 | 1.1580 |
| 34 | 90 | 0 | Se-90 | 1.43E-04 | 9.14E-05 | 1.44E-04 | 9.22E-05 | 1.1576 |
| 34 | 91 | 0 | Se-91 | 1.44E-05 | 9.23E-06 | 1.46E-05 | 9.30E-06 | 1.1581 |
| 34 | 92 | 0 | Se-92 | 1.14E-06 | 7.30E-07 | 1.15E-06 | 7.36E-07 | 1.1584 |
| 34 | 93 | 0 | Se-93 | 5.15E-08 | 3.29E-08 | 5.21E-08 | 3.32E-08 | 1.1580 |
| 34 | 94 | 0 | Se-94 | 2.29E-09 | 1.47E-09 | 2.32E-09 | 1.48E-09 | 1.1584 |
| 34 | 95 | 0 | Se-95 | 2.19E-10 | 1.40E-10 | 2.21E-10 | 1.41E-10 | 1.1582 |
| 34 | 96 | 0 | Se-96 | 8.91E-13 | 5.70E-13 | 9.02E-13 | 5.75E-13 | 1.1580 |
| 35 | 77 | 0 | Br-77 | 4.10E-12 | 2.62E-12 | 4.14E-12 | 2.63E-12 | 1.1581 |
| 35 | 77 | 1 | Br-77m | 3.52E-12 | 2.26E-12 | 3.57E-12 | 2.27E-12 | 1.2533 |
| 35 | 78 | 0 | Br-78 | 2.02E-10 | 1.30E-10 | 2.05E-10 | 1.31E-10 | 1.1576 |
| 35 | 79 | 0 | Br-79 | 1.67E-03 | 1.85E-04 | 1.69E-03 | 1.85E-04 | 1.1584 |

| | | | | | | | | |
|----|-----|---|--------|----------|----------|----------|----------|----------|
| 35 | 79 | 1 | Br-79m | 6.65E-09 | 4.26E-09 | 6.73E-09 | 4.29E-09 | 1.2666 |
| 35 | 80 | 0 | Br-80 | 1.80E-07 | 1.15E-07 | 1.82E-07 | 1.16E-07 | 1.1576 |
| 35 | 80 | 1 | Br-80m | 1.53E-07 | 9.78E-08 | 1.55E-07 | 9.86E-08 | 1.1711 |
| 35 | 81 | 0 | Br-81 | 3.40E-03 | 3.76E-04 | 3.30E-03 | 3.92E-04 | -2.9048 |
| 35 | 82 | 0 | Br-82 | 4.59E-05 | 1.88E-06 | 4.64E-05 | 1.86E-06 | 1.1557 |
| 35 | 82 | 1 | Br-82m | 8.30E-06 | 3.40E-07 | 8.44E-06 | 5.05E-07 | 1.7103 |
| 35 | 83 | 0 | Br-83 | 1.09E-02 | 6.63E-04 | 1.11E-02 | 6.64E-04 | 1.1963 |
| 35 | 84 | 0 | Br-84 | 1.17E-02 | 3.84E-03 | 1.41E-02 | 3.19E-03 | 20.9658 |
| 35 | 84 | 1 | Br-84m | 1.23E-03 | 7.85E-04 | 1.24E-03 | 7.89E-04 | 0.8984 |
| 35 | 85 | 0 | Br-85 | 1.62E-02 | 1.32E-03 | 1.64E-02 | 1.31E-03 | 1.1586 |
| 35 | 86 | 0 | Br-86 | 1.62E-02 | 6.77E-03 | 1.64E-02 | 6.88E-03 | 1.1576 |
| 35 | 87 | 0 | Br-87 | 1.61E-02 | 2.59E-03 | 1.63E-02 | 2.59E-03 | 1.1579 |
| 35 | 88 | 0 | Br-88 | 1.88E-02 | 3.03E-03 | 1.90E-02 | 3.03E-03 | 1.1579 |
| 35 | 89 | 0 | Br-89 | 1.26E-02 | 2.92E-03 | 1.27E-02 | 2.92E-03 | 1.1581 |
| 35 | 90 | 0 | Br-90 | 5.76E-03 | 2.61E-03 | 5.83E-03 | 2.61E-03 | 1.1580 |
| 35 | 91 | 0 | Br-91 | 1.48E-03 | 9.48E-04 | 1.50E-03 | 9.54E-04 | 1.1574 |
| 35 | 92 | 0 | Br-92 | 3.02E-04 | 1.93E-04 | 3.05E-04 | 1.95E-04 | 1.1582 |
| 35 | 93 | 0 | Br-93 | 1.15E-05 | 3.71E-06 | 1.16E-05 | 3.71E-06 | 1.1583 |
| 35 | 94 | 0 | Br-94 | 4.20E-06 | 2.69E-06 | 4.25E-06 | 2.71E-06 | 1.1580 |
| 35 | 95 | 0 | Br-95 | 5.20E-07 | 3.33E-07 | 5.26E-07 | 3.35E-07 | 1.1579 |
| 35 | 96 | 0 | Br-96 | 1.15E-08 | 7.37E-09 | 1.16E-08 | 7.42E-09 | 1.1577 |
| 35 | 97 | 0 | Br-97 | 4.47E-10 | 2.86E-10 | 4.52E-10 | 2.88E-10 | 1.1581 |
| 35 | 98 | 0 | Br-98 | 2.70E-11 | 1.73E-11 | 2.73E-11 | 1.74E-11 | 1.1577 |
| 35 | 99 | 0 | Br-99 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 35 | 100 | 0 | Br-100 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 36 | 79 | 0 | Kr-79 | 1.54E-12 | 9.85E-13 | 1.56E-12 | 8.75E-13 | 1.1583 |
| 36 | 79 | 1 | Kr-79m | 7.69E-13 | 4.92E-13 | 1.44E-12 | 9.16E-13 | 86.7381 |
| 36 | 80 | 0 | Kr-80 | 1.65E-07 | 1.06E-07 | 1.67E-07 | 1.07E-07 | 1.1581 |
| 36 | 81 | 0 | Kr-81 | 3.95E-09 | 2.53E-09 | 3.99E-09 | 2.53E-09 | 1.1564 |
| 36 | 81 | 1 | Kr-81m | 2.76E-10 | 1.77E-10 | 3.08E-10 | 1.97E-10 | 11.4350 |
| 36 | 82 | 0 | Kr-82 | 4.62E-05 | 1.89E-06 | 4.67E-05 | 1.87E-06 | 1.1579 |
| 36 | 83 | 0 | Kr-83 | 1.09E-02 | 4.44E-04 | 1.11E-02 | 4.46E-04 | 1.1960 |
| 36 | 83 | 1 | Kr-83m | 1.09E-02 | 6.63E-04 | 1.11E-02 | 6.64E-04 | 1.1957 |
| 36 | 84 | 0 | Kr-84 | 1.29E-02 | 2.73E-03 | 1.54E-02 | 1.68E-03 | 19.0014 |
| 36 | 85 | 0 | Kr-85 | 3.76E-03 | 3.01E-04 | 3.80E-03 | 3.33E-04 | 1.1449 |
| 36 | 85 | 1 | Kr-85m | 1.62E-02 | 6.85E-04 | 1.64E-02 | 6.56E-04 | 1.1622 |
| 36 | 86 | 0 | Kr-86 | 1.79E-02 | 4.22E-03 | 1.81E-02 | 4.21E-03 | 1.1582 |
| 36 | 87 | 0 | Kr-87 | 2.42E-02 | 6.84E-04 | 2.45E-02 | 7.12E-04 | 1.1581 |
| 36 | 88 | 0 | Kr-88 | 3.24E-02 | 9.73E-04 | 3.28E-02 | 9.18E-04 | 1.1582 |
| 36 | 89 | 0 | Kr-89 | 3.49E-02 | 1.00E-03 | 3.53E-02 | 1.00E-03 | 1.1579 |
| 36 | 90 | 0 | Kr-90 | 2.94E-02 | 6.81E-03 | 2.97E-02 | 6.81E-03 | 1.1580 |
| 36 | 91 | 0 | Kr-91 | 1.77E-02 | 1.09E-03 | 1.79E-02 | 1.07E-03 | 1.1579 |
| 36 | 92 | 0 | Kr-92 | 8.40E-03 | 5.06E-04 | 8.50E-03 | 5.10E-04 | 1.1579 |
| 36 | 93 | 0 | Kr-93 | 2.05E-03 | 1.66E-04 | 2.07E-03 | 1.65E-04 | 1.1578 |
| 36 | 94 | 0 | Kr-94 | 7.28E-04 | 4.66E-04 | 7.37E-04 | 4.71E-04 | 1.1580 |
| 36 | 95 | 0 | Kr-95 | 1.16E-04 | 7.44E-05 | 1.18E-04 | 7.51E-05 | 1.1580 |
| 36 | 96 | 0 | Kr-96 | 1.34E-05 | 8.60E-06 | 1.36E-05 | 8.66E-06 | 1.1579 |
| 36 | 97 | 0 | Kr-97 | 1.06E-06 | 6.80E-07 | 1.07E-06 | 6.85E-07 | 1.1583 |
| 36 | 98 | 0 | Kr-98 | 6.41E-08 | 4.10E-08 | 6.49E-08 | 4.13E-08 | 1.1580 |
| 36 | 99 | 0 | Kr-99 | 1.41E-09 | 9.02E-10 | 1.43E-09 | 9.09E-10 | 1.1581 |
| 36 | 100 | 0 | Kr-100 | 5.32E-11 | 3.40E-11 | 5.38E-11 | 3.43E-11 | 1.1581 |
| 36 | 101 | 0 | Kr-101 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 36 | 102 | 0 | Kr-102 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 37 | 81 | 0 | Rb-81 | 6.88E-14 | 4.41E-14 | 9.68E-15 | 6.20E-15 | -85.9390 |
| 37 | 81 | 1 | Rb-81m | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 37 | 82 | 0 | Rb-82 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 37 | 82 | 1 | Rb-82m | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 37 | 83 | 0 | Rb-83 | 3.05E-09 | 1.95E-09 | 3.08E-09 | 1.96E-09 | 1.1574 |
| 37 | 84 | 0 | Rb-84 | 9.89E-08 | 6.04E-08 | 8.37E-08 | 5.36E-08 | -15.3309 |
| 37 | 84 | 1 | Rb-84m | 7.81E-08 | 6.25E-08 | 7.91E-08 | 6.32E-08 | 1.1579 |
| 37 | 85 | 0 | Rb-85 | 1.65E-02 | 4.99E-04 | 1.67E-02 | 4.67E-04 | 1.1575 |

| | | | | | | | | |
|----|-----|---|--------|----------|----------|----------|----------|----------|
| 37 | 86 | 0 | Rb-86 | 1.57E-06 | 1.00E-06 | 1.59E-06 | 8.55E-07 | 1.1580 |
| 37 | 86 | 1 | Rb-86m | 7.84E-07 | 5.02E-07 | 1.23E-06 | 7.87E-07 | 57.4017 |
| 37 | 87 | 0 | Rb-87 | 2.44E-02 | 9.83E-04 | 2.47E-02 | 1.00E-03 | 1.1583 |
| 37 | 88 | 0 | Rb-88 | 3.39E-02 | 2.08E-03 | 3.43E-02 | 2.06E-03 | 1.1579 |
| 37 | 89 | 0 | Rb-89 | 4.08E-02 | 4.52E-03 | 4.13E-02 | 4.52E-03 | 1.1578 |
| 37 | 90 | 0 | Rb-90 | 2.76E-02 | 4.63E-03 | 2.80E-02 | 4.59E-03 | 1.2886 |
| 37 | 90 | 1 | Rb-90m | 1.73E-02 | 3.89E-03 | 1.74E-02 | 3.91E-03 | 0.9438 |
| 37 | 91 | 0 | Rb-91 | 4.27E-02 | 6.90E-03 | 4.32E-02 | 6.89E-03 | 1.1580 |
| 37 | 92 | 0 | Rb-92 | 3.75E-02 | 6.05E-03 | 3.80E-02 | 6.05E-03 | 1.1580 |
| 37 | 93 | 0 | Rb-93 | 2.39E-02 | 5.54E-03 | 2.42E-02 | 5.54E-03 | 1.1582 |
| 37 | 94 | 0 | Rb-94 | 1.39E-02 | 3.22E-03 | 1.41E-02 | 3.22E-03 | 1.1582 |
| 37 | 95 | 0 | Rb-95 | 5.35E-03 | 2.42E-03 | 5.41E-03 | 2.42E-03 | 1.1580 |
| 37 | 96 | 0 | Rb-96 | 1.51E-03 | 9.68E-04 | 1.53E-03 | 9.75E-04 | 1.1580 |
| 37 | 97 | 0 | Rb-97 | 3.00E-04 | 1.92E-04 | 3.03E-04 | 1.93E-04 | 1.1578 |
| 37 | 98 | 0 | Rb-98 | 4.27E-07 | 2.73E-07 | 4.32E-07 | 2.77E-07 | 1.1580 |
| 37 | 98 | 1 | Rb-98m | 4.16E-05 | 3.33E-05 | 4.21E-05 | 3.37E-05 | 1.1581 |
| 37 | 99 | 0 | Rb-99 | 3.35E-06 | 2.15E-06 | 3.39E-06 | 2.16E-06 | 1.1579 |
| 37 | 100 | 0 | Rb-100 | 2.43E-07 | 1.56E-07 | 2.46E-07 | 1.57E-07 | 1.1578 |
| 37 | 101 | 0 | Rb-101 | 4.99E-09 | 3.19E-09 | 5.04E-09 | 3.22E-09 | 1.1581 |
| 37 | 102 | 0 | Rb-102 | 4.47E-10 | 2.86E-10 | 4.52E-10 | 2.88E-10 | 1.1581 |
| 37 | 103 | 0 | Rb-103 | 8.11E-11 | 5.19E-11 | 8.20E-11 | 5.23E-11 | 1.1581 |
| 37 | 104 | 0 | Rb-104 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 37 | 105 | 0 | Rb-105 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 38 | 83 | 0 | Sr-83 | 2.35E-13 | 1.50E-13 | 2.19E-13 | 1.40E-13 | -6.6312 |
| 38 | 83 | 1 | Sr-83m | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 38 | 84 | 0 | Sr-84 | 3.88E-09 | 2.09E-09 | 3.29E-09 | 1.87E-09 | -15.2417 |
| 38 | 85 | 0 | Sr-85 | 1.14E-09 | 7.29E-10 | 1.22E-09 | 7.79E-10 | 6.7952 |
| 38 | 85 | 1 | Sr-85m | 6.10E-10 | 3.91E-10 | 1.38E-10 | 8.82E-11 | -77.3406 |
| 38 | 86 | 0 | Sr-86 | 1.60E-06 | 1.03E-06 | 1.62E-06 | 1.04E-06 | 1.1580 |
| 38 | 87 | 0 | Sr-87 | 2.44E-02 | 9.83E-04 | 2.47E-02 | 1.00E-03 | 1.1583 |
| 38 | 87 | 1 | Sr-87m | 1.01E-07 | 6.46E-08 | 1.03E-07 | 6.55E-08 | 1.8410 |
| 38 | 88 | 0 | Sr-88 | 3.40E-02 | 2.09E-03 | 3.44E-02 | 2.06E-03 | 1.1582 |
| 38 | 89 | 0 | Sr-89 | 4.10E-02 | 1.18E-03 | 4.15E-02 | 1.18E-03 | 1.1580 |
| 38 | 90 | 0 | Sr-90 | 4.56E-02 | 1.87E-03 | 4.61E-02 | 1.85E-03 | 1.1579 |
| 38 | 91 | 0 | Sr-91 | 4.77E-02 | 1.97E-03 | 4.83E-02 | 1.93E-03 | 1.1580 |
| 38 | 92 | 0 | Sr-92 | 5.03E-02 | 5.58E-03 | 5.09E-02 | 5.57E-03 | 1.1581 |
| 38 | 93 | 0 | Sr-93 | 4.86E-02 | 5.39E-03 | 4.92E-02 | 5.39E-03 | 1.1580 |
| 38 | 94 | 0 | Sr-94 | 4.19E-02 | 9.72E-03 | 4.24E-02 | 9.72E-03 | 1.1580 |
| 38 | 95 | 0 | Sr-95 | 3.19E-02 | 7.41E-03 | 3.23E-02 | 7.41E-03 | 1.1581 |
| 38 | 96 | 0 | Sr-96 | 1.94E-02 | 4.49E-03 | 1.96E-02 | 4.49E-03 | 1.1576 |
| 38 | 97 | 0 | Sr-97 | 8.82E-03 | 4.00E-03 | 8.93E-03 | 4.00E-03 | 1.1580 |
| 38 | 98 | 0 | Sr-98 | 3.17E-03 | 2.03E-03 | 3.21E-03 | 2.04E-03 | 1.1581 |
| 38 | 99 | 0 | Sr-99 | 7.49E-04 | 4.80E-04 | 7.58E-04 | 4.83E-04 | 1.1579 |
| 38 | 100 | 0 | Sr-100 | 1.03E-04 | 6.56E-05 | 1.04E-04 | 6.61E-05 | 1.1579 |
| 38 | 101 | 0 | Sr-101 | 1.19E-05 | 7.59E-06 | 1.20E-05 | 7.65E-06 | 1.1586 |
| 38 | 102 | 0 | Sr-102 | 1.06E-06 | 6.80E-07 | 1.07E-06 | 6.85E-07 | 1.1582 |
| 38 | 103 | 0 | Sr-103 | 1.93E-07 | 1.23E-07 | 1.95E-07 | 1.24E-07 | 1.1583 |
| 38 | 104 | 0 | Sr-104 | 6.42E-09 | 4.11E-09 | 6.50E-09 | 4.14E-09 | 1.1579 |
| 38 | 105 | 0 | Sr-105 | 4.32E-10 | 2.76E-10 | 4.37E-10 | 2.79E-10 | 1.1580 |
| 38 | 106 | 0 | Sr-106 | 9.08E-11 | 5.81E-11 | 9.18E-11 | 5.85E-11 | 1.1580 |
| 38 | 107 | 0 | Sr-107 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 39 | 86 | 0 | Y-86 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 39 | 86 | 1 | Y-86m | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 39 | 87 | 0 | Y-87 | 6.76E-10 | 3.82E-10 | 6.46E-10 | 4.13E-10 | -4.4973 |
| 39 | 87 | 1 | Y-87m | 6.44E-10 | 5.15E-10 | 6.51E-10 | 5.21E-10 | 1.1580 |
| 39 | 88 | 0 | Y-88 | 2.05E-08 | 1.31E-08 | 1.57E-08 | 9.08E-09 | -23.4171 |
| 39 | 88 | 1 | Y-88m | 1.42E-09 | 1.14E-09 | 1.44E-09 | 1.15E-09 | 1.0058 |
| 39 | 88 | 2 | Y-88m2 | 1.08E-08 | 8.62E-09 | 1.09E-08 | 8.72E-09 | 1.1581 |
| 39 | 89 | 0 | Y-89 | 4.10E-02 | 1.18E-03 | 4.15E-02 | 1.18E-03 | 1.1580 |
| 39 | 89 | 1 | Y-89m | 4.56E-06 | 5.06E-07 | 4.61E-06 | 5.05E-07 | 1.1342 |
| 39 | 90 | 0 | Y-90 | 4.56E-02 | 1.87E-03 | 4.61E-02 | 1.85E-03 | 1.1579 |

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|----|-----|---|--------|----------|----------|----------|----------|----------|
| 39 | 90 | 1 | Y-90m | 5.03E-06 | 3.22E-06 | 7.54E-06 | 4.81E-06 | 49.9161 |
| 39 | 91 | 0 | Y-91 | 4.78E-02 | 1.97E-03 | 4.84E-02 | 1.94E-03 | 1.1580 |
| 39 | 91 | 1 | Y-91m | 2.83E-02 | 1.79E-02 | 2.86E-02 | 1.79E-02 | 1.2831 |
| 39 | 92 | 0 | Y-92 | 5.07E-02 | 5.62E-03 | 5.13E-02 | 5.62E-03 | 1.1580 |
| 39 | 93 | 0 | Y-93 | 5.15E-02 | 3.57E-03 | 5.21E-02 | 3.34E-03 | 1.1582 |
| 39 | 93 | 1 | Y-93m | 1.68E-02 | 1.08E-02 | 1.70E-02 | 1.09E-02 | 1.1580 |
| 39 | 94 | 0 | Y-94 | 5.03E-02 | 8.12E-03 | 5.09E-02 | 8.11E-03 | 1.1579 |
| 39 | 95 | 0 | Y-95 | 4.98E-02 | 4.04E-03 | 5.04E-02 | 4.02E-03 | 1.1580 |
| 39 | 96 | 0 | Y-96 | 2.09E-02 | 3.35E-03 | 2.12E-02 | 3.39E-03 | 1.1577 |
| 39 | 96 | 1 | Y-96m | 2.54E-02 | 5.90E-03 | 2.57E-02 | 5.90E-03 | 1.1582 |
| 39 | 97 | 0 | Y-97 | 1.39E-02 | 3.19E-03 | 1.07E-02 | 2.47E-03 | -22.7858 |
| 39 | 97 | 1 | Y-97m | 2.43E-02 | 1.49E-02 | 2.80E-02 | 1.56E-02 | 14.9147 |
| 39 | 97 | 2 | Y-97m2 | 3.49E-03 | 2.79E-03 | 3.53E-03 | 2.83E-03 | 1.1580 |
| 39 | 98 | 0 | Y-98 | 5.33E-03 | 1.24E-03 | 7.60E-03 | 2.55E-03 | 42.6582 |
| 39 | 98 | 1 | Y-98m | 2.19E-02 | 5.07E-03 | 2.21E-02 | 5.07E-03 | 1.1581 |
| 39 | 99 | 0 | Y-99 | 1.41E-02 | 3.26E-03 | 1.42E-02 | 3.26E-03 | 1.1580 |
| 39 | 100 | 0 | Y-100 | 1.37E-04 | 8.74E-05 | 1.38E-04 | 8.84E-05 | 1.1579 |
| 39 | 100 | 1 | Y-100m | 3.91E-03 | 3.13E-03 | 3.96E-03 | 3.17E-03 | 1.1581 |
| 39 | 101 | 0 | Y-101 | 1.19E-03 | 7.63E-04 | 1.21E-03 | 7.69E-04 | 1.1587 |
| 39 | 102 | 0 | Y-102 | 1.83E-04 | 1.17E-04 | 1.85E-04 | 1.19E-04 | 1.1581 |
| 39 | 102 | 1 | Y-102m | 3.91E-05 | 3.05E-05 | 3.96E-05 | 3.09E-05 | 1.1582 |
| 39 | 103 | 0 | Y-103 | 4.31E-05 | 2.76E-05 | 4.36E-05 | 2.78E-05 | 1.1579 |
| 39 | 104 | 0 | Y-104 | 7.14E-06 | 4.57E-06 | 7.23E-06 | 4.60E-06 | 1.1580 |
| 39 | 105 | 0 | Y-105 | 1.03E-06 | 6.58E-07 | 1.04E-06 | 6.62E-07 | 1.1583 |
| 39 | 106 | 0 | Y-106 | 2.16E-07 | 1.38E-07 | 2.18E-07 | 1.39E-07 | 1.1582 |
| 39 | 107 | 0 | Y-107 | 9.80E-10 | 6.27E-10 | 9.91E-10 | 6.32E-10 | 1.1580 |
| 39 | 108 | 0 | Y-108 | 2.55E-10 | 1.63E-10 | 2.58E-10 | 1.64E-10 | 1.1578 |
| 39 | 109 | 0 | Y-109 | 4.23E-11 | 2.71E-11 | 4.28E-11 | 2.73E-11 | 1.1581 |
| 40 | 88 | 0 | Zr-88 | 2.14E-12 | 1.37E-12 | 2.17E-12 | 1.38E-12 | 1.1577 |
| 40 | 89 | 0 | Zr-89 | 1.28E-10 | 8.18E-11 | 1.15E-10 | 7.35E-11 | -10.1713 |
| 40 | 89 | 1 | Zr-89m | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 40 | 90 | 0 | Zr-90 | 4.56E-02 | 1.33E-03 | 4.61E-02 | 1.30E-03 | 1.1579 |
| 40 | 90 | 1 | Zr-90m | 3.31E-09 | 2.07E-09 | 5.90E-09 | 3.67E-09 | 78.5460 |
| 40 | 91 | 0 | Zr-91 | 4.78E-02 | 1.97E-03 | 4.84E-02 | 1.93E-03 | 1.1582 |
| 40 | 92 | 0 | Zr-92 | 5.07E-02 | 4.10E-03 | 5.13E-02 | 4.09E-03 | 1.1581 |
| 40 | 93 | 0 | Zr-93 | 5.16E-02 | 3.14E-03 | 5.22E-02 | 3.13E-03 | 1.1579 |
| 40 | 94 | 0 | Zr-94 | 5.06E-02 | 5.62E-03 | 5.11E-02 | 5.61E-03 | 1.1579 |
| 40 | 95 | 0 | Zr-95 | 5.13E-02 | 1.50E-03 | 5.19E-02 | 1.46E-03 | 1.1580 |
| 40 | 96 | 0 | Zr-96 | 5.17E-02 | 4.18E-03 | 5.23E-02 | 4.17E-03 | 1.1596 |
| 40 | 97 | 0 | Zr-97 | 5.19E-02 | 1.54E-03 | 5.26E-02 | 1.84E-03 | 1.1706 |
| 40 | 98 | 0 | Zr-98 | 5.02E-02 | 8.29E-03 | 5.08E-02 | 8.23E-03 | 1.1435 |
| 40 | 99 | 0 | Zr-99 | 4.26E-02 | 9.87E-03 | 4.31E-02 | 9.87E-03 | 1.1579 |
| 40 | 100 | 0 | Zr-100 | 2.48E-02 | 5.85E-03 | 2.50E-02 | 5.83E-03 | 1.1580 |
| 40 | 101 | 0 | Zr-101 | 1.39E-02 | 3.23E-03 | 1.41E-02 | 3.23E-03 | 1.1581 |
| 40 | 102 | 0 | Zr-102 | 6.47E-03 | 2.95E-03 | 6.54E-03 | 2.95E-03 | 1.1579 |
| 40 | 103 | 0 | Zr-103 | 2.47E-03 | 1.58E-03 | 2.50E-03 | 1.59E-03 | 1.1582 |
| 40 | 104 | 0 | Zr-104 | 7.67E-04 | 4.91E-04 | 7.76E-04 | 4.95E-04 | 1.1580 |
| 40 | 105 | 0 | Zr-105 | 2.30E-04 | 1.47E-04 | 2.32E-04 | 1.48E-04 | 1.1577 |
| 40 | 106 | 0 | Zr-106 | 4.82E-05 | 3.09E-05 | 4.88E-05 | 3.11E-05 | 1.1581 |
| 40 | 107 | 0 | Zr-107 | 2.33E-06 | 1.49E-06 | 2.36E-06 | 1.50E-06 | 1.1579 |
| 40 | 108 | 0 | Zr-108 | 6.06E-07 | 3.88E-07 | 6.13E-07 | 3.91E-07 | 1.1580 |
| 40 | 109 | 0 | Zr-109 | 1.01E-07 | 6.45E-08 | 1.02E-07 | 6.49E-08 | 1.1587 |
| 40 | 110 | 0 | Zr-110 | 2.60E-09 | 1.66E-09 | 2.63E-09 | 1.68E-09 | 1.1579 |
| 40 | 111 | 0 | Zr-111 | 1.39E-10 | 8.88E-11 | 1.40E-10 | 8.95E-11 | 1.1575 |
| 40 | 112 | 0 | Zr-112 | 2.09E-11 | 1.34E-11 | 2.12E-11 | 1.35E-11 | 1.1577 |
| 41 | 90 | 0 | Nb-90 | 2.63E-13 | 1.68E-13 | 1.64E-13 | 1.05E-13 | -37.8890 |
| 41 | 90 | 1 | Nb-90m | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 41 | 91 | 0 | Nb-91 | 2.68E-11 | 1.71E-11 | 2.71E-11 | 1.73E-11 | 1.1581 |
| 41 | 91 | 1 | Nb-91m | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 41 | 92 | 0 | Nb-92 | 9.21E-10 | 5.89E-10 | 9.32E-10 | 5.96E-10 | 1.1579 |
| 41 | 92 | 1 | Nb-92m | 3.91E-10 | 3.13E-10 | 3.96E-10 | 3.16E-10 | 1.1580 |

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|----|-----|---|---------|----------|----------|----------|----------|--------|
| 41 | 93 | 0 | Nb-93 | 5.16E-02 | 3.14E-03 | 5.22E-02 | 3.13E-03 | 1.1581 |
| 41 | 93 | 1 | Nb-93m | 5.03E-02 | 3.11E-03 | 5.09E-02 | 3.33E-03 | 1.1580 |
| 41 | 94 | 0 | Nb-94 | 9.88E-07 | 6.33E-07 | 1.00E-06 | 6.39E-07 | 1.1581 |
| 41 | 94 | 1 | Nb-94m | 2.56E-07 | 1.64E-07 | 2.59E-07 | 1.65E-07 | 1.1580 |
| 41 | 95 | 0 | Nb-95 | 5.13E-02 | 1.51E-03 | 5.19E-02 | 1.46E-03 | 1.1580 |
| 41 | 95 | 1 | Nb-95m | 5.56E-04 | 3.99E-05 | 5.62E-04 | 4.60E-05 | 1.1581 |
| 41 | 96 | 0 | Nb-96 | 3.49E-05 | 2.13E-06 | 3.53E-05 | 2.11E-06 | 1.1579 |
| 41 | 97 | 0 | Nb-97 | 5.57E-02 | 4.44E-03 | 5.63E-02 | 4.57E-03 | 1.1697 |
| 41 | 97 | 1 | Nb-97m | 4.98E-02 | 1.72E-03 | 5.04E-02 | 2.12E-03 | 1.1704 |
| 41 | 98 | 0 | Nb-98 | 5.27E-02 | 8.70E-03 | 5.33E-02 | 8.64E-03 | 1.1440 |
| 41 | 98 | 1 | Nb-98m | 4.42E-04 | 2.83E-04 | 4.47E-04 | 2.85E-04 | 1.1580 |
| 41 | 99 | 0 | Nb-99 | 3.48E-02 | 6.46E-03 | 3.52E-02 | 6.32E-03 | 1.1578 |
| 41 | 99 | 1 | Nb-99m | 1.66E-02 | 5.24E-03 | 1.68E-02 | 5.34E-03 | 1.1581 |
| 41 | 100 | 0 | Nb-100 | 2.57E-02 | 1.20E-02 | 2.60E-02 | 1.23E-02 | 1.1583 |
| 41 | 100 | 1 | Nb-100m | 1.21E-02 | 2.77E-03 | 1.22E-02 | 2.81E-03 | 1.1581 |
| 41 | 101 | 0 | Nb-101 | 3.12E-02 | 5.03E-03 | 3.15E-02 | 5.03E-03 | 1.1578 |
| 41 | 102 | 0 | Nb-102 | 2.76E-03 | 6.34E-04 | 2.79E-03 | 6.42E-04 | 1.1582 |
| 41 | 102 | 1 | Nb-102m | 2.21E-02 | 1.19E-02 | 2.24E-02 | 1.20E-02 | 1.1582 |
| 41 | 103 | 0 | Nb-103 | 1.79E-02 | 4.15E-03 | 1.81E-02 | 4.15E-03 | 1.1581 |
| 41 | 104 | 0 | Nb-104 | 2.08E-03 | 1.33E-03 | 2.10E-03 | 1.34E-03 | 1.1579 |
| 41 | 104 | 1 | Nb-104m | 7.44E-03 | 4.76E-03 | 7.52E-03 | 4.79E-03 | 1.1580 |
| 41 | 105 | 0 | Nb-105 | 4.49E-03 | 2.87E-03 | 4.54E-03 | 2.89E-03 | 1.1579 |
| 41 | 106 | 0 | Nb-106 | 1.95E-03 | 1.25E-03 | 1.97E-03 | 1.25E-03 | 1.1575 |
| 41 | 107 | 0 | Nb-107 | 5.21E-04 | 3.34E-04 | 5.27E-04 | 3.36E-04 | 1.1581 |
| 41 | 108 | 0 | Nb-108 | 1.24E-04 | 7.94E-05 | 1.25E-04 | 8.00E-05 | 1.1576 |
| 41 | 109 | 0 | Nb-109 | 2.25E-05 | 1.44E-05 | 2.28E-05 | 1.45E-05 | 1.1582 |
| 41 | 110 | 0 | Nb-110 | 2.96E-06 | 1.89E-06 | 2.99E-06 | 1.91E-06 | 1.1580 |
| 41 | 111 | 0 | Nb-111 | 3.30E-07 | 2.11E-07 | 3.34E-07 | 2.13E-07 | 1.1578 |
| 41 | 112 | 0 | Nb-112 | 4.97E-08 | 3.18E-08 | 5.03E-08 | 3.21E-08 | 1.1579 |
| 41 | 113 | 0 | Nb-113 | 3.90E-10 | 2.50E-10 | 3.95E-10 | 2.52E-10 | 1.1578 |
| 41 | 114 | 0 | Nb-114 | 5.17E-11 | 3.31E-11 | 5.23E-11 | 3.34E-11 | 1.1580 |
| 41 | 115 | 0 | Nb-115 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 42 | 92 | 0 | Mo-92 | 7.41E-14 | 4.75E-14 | 7.50E-14 | 4.78E-14 | 1.1580 |
| 42 | 93 | 0 | Mo-93 | 6.01E-12 | 3.61E-12 | 6.08E-12 | 3.62E-12 | 1.1598 |
| 42 | 93 | 1 | Mo-93m | 3.46E-12 | 2.22E-12 | 3.50E-12 | 2.23E-12 | 1.1580 |
| 42 | 94 | 0 | Mo-94 | 9.90E-07 | 6.34E-07 | 1.00E-06 | 6.39E-07 | 1.1585 |
| 42 | 95 | 0 | Mo-95 | 5.14E-02 | 1.50E-03 | 5.20E-02 | 1.46E-03 | 1.1581 |
| 42 | 96 | 0 | Mo-96 | 3.51E-05 | 2.13E-06 | 3.55E-05 | 2.12E-06 | 1.1581 |
| 42 | 97 | 0 | Mo-97 | 5.57E-02 | 3.35E-03 | 5.64E-02 | 3.51E-03 | 1.1696 |
| 42 | 98 | 0 | Mo-98 | 5.32E-02 | 6.09E-03 | 5.38E-02 | 6.00E-03 | 1.1443 |
| 42 | 99 | 0 | Mo-99 | 5.11E-02 | 1.47E-03 | 5.16E-02 | 1.47E-03 | 1.1581 |
| 42 | 100 | 0 | Mo-100 | 3.88E-02 | 4.40E-03 | 3.93E-02 | 4.35E-03 | 1.1580 |
| 42 | 101 | 0 | Mo-101 | 3.42E-02 | 7.93E-03 | 3.46E-02 | 7.93E-03 | 1.1581 |
| 42 | 102 | 0 | Mo-102 | 3.19E-02 | 7.41E-03 | 3.23E-02 | 7.41E-03 | 1.1582 |
| 42 | 103 | 0 | Mo-103 | 3.05E-02 | 3.39E-03 | 3.08E-02 | 3.38E-03 | 1.1582 |
| 42 | 104 | 0 | Mo-104 | 2.22E-02 | 5.15E-03 | 2.24E-02 | 5.15E-03 | 1.1578 |
| 42 | 105 | 0 | Mo-105 | 1.45E-02 | 4.66E-03 | 1.47E-02 | 4.66E-03 | 1.1575 |
| 42 | 106 | 0 | Mo-106 | 1.05E-02 | 4.78E-03 | 1.06E-02 | 4.78E-03 | 1.1574 |
| 42 | 107 | 0 | Mo-107 | 5.55E-03 | 2.53E-03 | 5.62E-03 | 2.53E-03 | 1.1579 |
| 42 | 108 | 0 | Mo-108 | 2.73E-03 | 1.75E-03 | 2.76E-03 | 1.76E-03 | 1.1579 |
| 42 | 109 | 0 | Mo-109 | 1.10E-03 | 7.04E-04 | 1.11E-03 | 7.12E-04 | 1.1578 |
| 42 | 110 | 0 | Mo-110 | 3.25E-04 | 2.08E-04 | 3.28E-04 | 2.10E-04 | 1.1579 |
| 42 | 111 | 0 | Mo-111 | 7.38E-05 | 4.72E-05 | 7.46E-05 | 4.76E-05 | 1.1580 |
| 42 | 112 | 0 | Mo-112 | 1.11E-05 | 7.11E-06 | 1.12E-05 | 7.17E-06 | 1.1587 |
| 42 | 113 | 0 | Mo-113 | 9.28E-07 | 5.94E-07 | 9.38E-07 | 5.98E-07 | 1.1580 |
| 42 | 114 | 0 | Mo-114 | 1.23E-07 | 7.88E-08 | 1.25E-07 | 7.94E-08 | 1.1578 |
| 42 | 115 | 0 | Mo-115 | 6.23E-10 | 3.99E-10 | 6.30E-10 | 4.02E-10 | 1.1581 |
| 42 | 116 | 0 | Mo-116 | 3.90E-10 | 2.50E-10 | 3.95E-10 | 2.51E-10 | 1.1580 |
| 42 | 117 | 0 | Mo-117 | 5.18E-11 | 3.31E-11 | 5.24E-11 | 3.34E-11 | 1.1581 |
| 43 | 95 | 0 | Tc-95 | 7.84E-13 | 5.02E-13 | 7.93E-13 | 5.06E-13 | 1.1580 |
| 43 | 95 | 1 | Tc-95m | 9.84E-14 | 6.30E-14 | 9.96E-14 | 6.35E-14 | 1.1580 |

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|----|-----|---|---------|----------|----------|----------|----------|---------|
| 43 | 96 | 0 | Tc-96 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 43 | 96 | 1 | Tc-96m | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 43 | 97 | 0 | Tc-97 | 2.23E-09 | 1.43E-09 | 2.26E-09 | 1.45E-09 | 1.1579 |
| 43 | 97 | 1 | Tc-97m | 2.51E-10 | 1.61E-10 | 2.54E-10 | 1.62E-10 | 1.1579 |
| 43 | 98 | 0 | Tc-98 | 5.51E-08 | 3.53E-08 | 5.57E-08 | 3.55E-08 | 1.1580 |
| 43 | 99 | 0 | Tc-99 | 5.10E-02 | 1.47E-03 | 5.16E-02 | 1.47E-03 | 1.1581 |
| 43 | 99 | 1 | Tc-99m | 4.52E-02 | 1.27E-03 | 4.57E-02 | 1.36E-03 | 1.1580 |
| 43 | 100 | 0 | Tc-100 | 8.53E-06 | 5.46E-06 | 8.62E-06 | 5.50E-06 | 1.1580 |
| 43 | 101 | 0 | Tc-101 | 3.43E-02 | 5.53E-03 | 3.47E-02 | 5.53E-03 | 1.1581 |
| 43 | 102 | 0 | Tc-102 | 3.20E-02 | 7.35E-03 | 3.23E-02 | 7.44E-03 | 1.1579 |
| 43 | 102 | 1 | Tc-102m | 2.91E-04 | 4.65E-05 | 2.94E-04 | 4.71E-05 | 1.1578 |
| 43 | 103 | 0 | Tc-103 | 3.18E-02 | 1.94E-03 | 3.22E-02 | 1.93E-03 | 1.1580 |
| 43 | 104 | 0 | Tc-104 | 2.45E-02 | 5.69E-03 | 2.48E-02 | 5.69E-03 | 1.1581 |
| 43 | 105 | 0 | Tc-105 | 1.86E-02 | 4.28E-03 | 1.88E-02 | 4.29E-03 | 1.1582 |
| 43 | 106 | 0 | Tc-106 | 1.56E-02 | 1.74E-03 | 1.57E-02 | 1.73E-03 | 1.1579 |
| 43 | 107 | 0 | Tc-107 | 1.17E-02 | 3.79E-03 | 1.19E-02 | 3.79E-03 | 1.1574 |
| 43 | 108 | 0 | Tc-108 | 9.38E-03 | 4.25E-03 | 9.49E-03 | 4.25E-03 | 1.1579 |
| 43 | 109 | 0 | Tc-109 | 7.04E-03 | 3.19E-03 | 7.12E-03 | 3.19E-03 | 1.1580 |
| 43 | 110 | 0 | Tc-110 | 4.12E-03 | 2.64E-03 | 4.17E-03 | 2.66E-03 | 1.1581 |
| 43 | 111 | 0 | Tc-111 | 2.02E-03 | 1.29E-03 | 2.04E-03 | 1.30E-03 | 1.1580 |
| 43 | 112 | 0 | Tc-112 | 6.97E-04 | 4.46E-04 | 7.05E-04 | 4.50E-04 | 1.1580 |
| 43 | 113 | 0 | Tc-113 | 2.08E-04 | 1.33E-04 | 2.10E-04 | 1.34E-04 | 1.1582 |
| 43 | 114 | 0 | Tc-114 | 4.21E-05 | 2.70E-05 | 4.26E-05 | 2.72E-05 | 1.1581 |
| 43 | 115 | 0 | Tc-115 | 1.48E-06 | 9.48E-07 | 1.50E-06 | 9.55E-07 | 1.1581 |
| 43 | 116 | 0 | Tc-116 | 7.51E-07 | 4.80E-07 | 7.59E-07 | 4.84E-07 | 1.1580 |
| 43 | 117 | 0 | Tc-117 | 1.23E-07 | 7.88E-08 | 1.25E-07 | 7.94E-08 | 1.1578 |
| 43 | 118 | 0 | Tc-118 | 1.66E-09 | 1.06E-09 | 1.68E-09 | 1.07E-09 | 1.1577 |
| 43 | 119 | 0 | Tc-119 | 1.69E-10 | 1.08E-10 | 1.71E-10 | 1.09E-10 | 1.1580 |
| 43 | 120 | 0 | Tc-120 | 1.35E-11 | 8.65E-12 | 1.37E-11 | 8.72E-12 | 1.1575 |
| 44 | 98 | 0 | Ru-98 | 5.51E-08 | 3.53E-08 | 5.57E-08 | 3.55E-08 | 1.1580 |
| 44 | 99 | 0 | Ru-99 | 5.11E-02 | 1.47E-03 | 5.16E-02 | 1.47E-03 | 1.1578 |
| 44 | 100 | 0 | Ru-100 | 8.53E-06 | 5.46E-06 | 8.63E-06 | 5.50E-06 | 1.1580 |
| 44 | 101 | 0 | Ru-101 | 3.43E-02 | 3.81E-03 | 3.47E-02 | 3.80E-03 | 1.1581 |
| 44 | 102 | 0 | Ru-102 | 3.23E-02 | 3.59E-03 | 3.26E-02 | 3.58E-03 | 1.1578 |
| 44 | 103 | 0 | Ru-103 | 3.18E-02 | 9.25E-04 | 3.22E-02 | 9.08E-04 | 1.1579 |
| 44 | 103 | 1 | Ru-103m | 1.21E-05 | 9.66E-06 | 1.22E-05 | 9.77E-06 | 1.1581 |
| 44 | 104 | 0 | Ru-104 | 2.46E-02 | 3.97E-03 | 2.49E-02 | 3.97E-03 | 1.1578 |
| 44 | 105 | 0 | Ru-105 | 1.87E-02 | 3.00E-03 | 1.89E-02 | 3.00E-03 | 1.1580 |
| 44 | 106 | 0 | Ru-106 | 1.59E-02 | 9.78E-04 | 1.61E-02 | 9.66E-04 | 1.1584 |
| 44 | 107 | 0 | Ru-107 | 1.27E-02 | 4.11E-03 | 1.29E-02 | 4.11E-03 | 1.1582 |
| 44 | 108 | 0 | Ru-108 | 1.16E-02 | 3.74E-03 | 1.17E-02 | 3.74E-03 | 1.1584 |
| 44 | 109 | 0 | Ru-109 | 9.14E-03 | 5.85E-03 | 1.14E-02 | 6.28E-03 | 24.4464 |
| 44 | 110 | 0 | Ru-110 | 9.71E-03 | 3.12E-03 | 9.82E-03 | 3.12E-03 | 1.1580 |
| 44 | 111 | 0 | Ru-111 | 8.09E-03 | 3.67E-03 | 8.19E-03 | 3.67E-03 | 1.1579 |
| 44 | 112 | 0 | Ru-112 | 5.43E-03 | 3.47E-03 | 5.49E-03 | 3.50E-03 | 1.1580 |
| 44 | 113 | 0 | Ru-113 | 5.47E-04 | 3.50E-04 | 5.53E-04 | 3.54E-04 | 1.1581 |
| 44 | 113 | 1 | Ru-113m | 2.50E-03 | 2.00E-03 | 2.53E-03 | 2.02E-03 | 1.1579 |
| 44 | 114 | 0 | Ru-114 | 1.49E-03 | 9.51E-04 | 1.50E-03 | 9.58E-04 | 1.1580 |
| 44 | 115 | 0 | Ru-115 | 3.31E-04 | 2.12E-04 | 3.35E-04 | 2.14E-04 | 1.1582 |
| 44 | 116 | 0 | Ru-116 | 1.37E-04 | 8.75E-05 | 1.38E-04 | 8.82E-05 | 1.1580 |
| 44 | 117 | 0 | Ru-117 | 2.75E-05 | 1.76E-05 | 2.78E-05 | 1.78E-05 | 1.1578 |
| 44 | 118 | 0 | Ru-118 | 3.94E-06 | 2.52E-06 | 3.99E-06 | 2.54E-06 | 1.1578 |
| 44 | 119 | 0 | Ru-119 | 4.03E-07 | 2.58E-07 | 4.08E-07 | 2.60E-07 | 1.1581 |
| 44 | 120 | 0 | Ru-120 | 3.22E-08 | 2.06E-08 | 3.25E-08 | 2.07E-08 | 1.1583 |
| 44 | 121 | 0 | Ru-121 | 9.14E-10 | 5.85E-10 | 9.24E-10 | 5.89E-10 | 1.1580 |
| 44 | 122 | 0 | Ru-122 | 6.36E-11 | 4.07E-11 | 6.44E-11 | 4.10E-11 | 1.1579 |
| 44 | 123 | 0 | Ru-123 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 44 | 124 | 0 | Ru-124 | 3.09E-14 | 1.98E-14 | 3.12E-14 | 1.99E-14 | 1.1578 |
| 45 | 100 | 0 | Rh-100 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 45 | 100 | 1 | Rh-100m | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 45 | 101 | 0 | Rh-101 | 3.77E-12 | 2.41E-12 | 3.81E-12 | 2.44E-12 | 1.1581 |

| | | | | | | | | |
|----|-----|---|---------|----------|----------|----------|----------|---------|
| 45 | 101 | 1 | Rh-101m | 1.90E-11 | 1.22E-11 | 1.92E-11 | 1.23E-11 | 1.1577 |
| 45 | 102 | 0 | Rh-102 | 1.30E-10 | 8.27E-11 | 1.31E-10 | 8.27E-11 | 1.1580 |
| 45 | 102 | 1 | Rh-102m | 5.80E-10 | 3.71E-10 | 5.87E-10 | 3.74E-10 | 1.1580 |
| 45 | 103 | 0 | Rh-103 | 3.18E-02 | 9.29E-04 | 3.22E-02 | 9.07E-04 | 1.1579 |
| 45 | 103 | 1 | Rh-103m | 3.14E-02 | 9.35E-04 | 3.18E-02 | 8.91E-04 | 1.1582 |
| 45 | 104 | 0 | Rh-104 | 1.06E-07 | 6.77E-08 | 1.07E-07 | 6.85E-08 | 1.1580 |
| 45 | 104 | 1 | Rh-104m | 9.00E-08 | 5.76E-08 | 9.11E-08 | 5.80E-08 | 1.1581 |
| 45 | 105 | 0 | Rh-105 | 1.87E-02 | 1.12E-03 | 1.89E-02 | 1.14E-03 | 1.1580 |
| 45 | 105 | 1 | Rh-105m | 5.29E-03 | 1.19E-03 | 5.35E-03 | 1.20E-03 | 1.1579 |
| 45 | 106 | 0 | Rh-106 | 1.59E-02 | 9.78E-04 | 1.61E-02 | 9.66E-04 | 1.1577 |
| 45 | 106 | 1 | Rh-106m | 2.36E-06 | 1.51E-06 | 2.38E-06 | 1.52E-06 | 1.1576 |
| 45 | 107 | 0 | Rh-107 | 1.27E-02 | 2.96E-03 | 1.29E-02 | 2.96E-03 | 1.1574 |
| 45 | 108 | 0 | Rh-108 | 1.16E-02 | 2.69E-03 | 1.17E-02 | 2.69E-03 | 1.1580 |
| 45 | 108 | 1 | Rh-108m | 7.48E-05 | 4.79E-05 | 7.57E-05 | 4.82E-05 | 1.1580 |
| 45 | 109 | 0 | Rh-109 | 9.51E-03 | 6.09E-03 | 1.17E-02 | 7.50E-03 | 23.5305 |
| 45 | 110 | 0 | Rh-110 | 1.20E-04 | 2.76E-05 | 1.21E-04 | 2.79E-05 | 1.1578 |
| 45 | 110 | 1 | Rh-110m | 1.07E-02 | 6.82E-03 | 1.08E-02 | 6.90E-03 | 1.1584 |
| 45 | 111 | 0 | Rh-111 | 1.06E-02 | 4.80E-03 | 1.07E-02 | 4.80E-03 | 1.1575 |
| 45 | 112 | 0 | Rh-112 | 5.49E-03 | 8.47E-04 | 5.55E-03 | 8.09E-04 | 1.1581 |
| 45 | 112 | 1 | Rh-112m | 3.93E-03 | 3.15E-03 | 3.98E-03 | 3.18E-03 | 1.1580 |
| 45 | 113 | 0 | Rh-113 | 8.80E-03 | 3.06E-03 | 8.90E-03 | 3.05E-03 | 1.1580 |
| 45 | 114 | 0 | Rh-114 | 1.62E-03 | 7.27E-04 | 1.63E-03 | 7.35E-04 | 1.1581 |
| 45 | 114 | 1 | Rh-114m | 4.92E-03 | 3.93E-03 | 4.98E-03 | 3.98E-03 | 1.1581 |
| 45 | 115 | 0 | Rh-115 | 3.22E-03 | 2.06E-03 | 3.26E-03 | 2.08E-03 | 1.1581 |
| 45 | 116 | 0 | Rh-116 | 2.21E-04 | 1.42E-04 | 2.24E-04 | 1.43E-04 | 1.1583 |
| 45 | 116 | 1 | Rh-116m | 2.11E-03 | 1.69E-03 | 2.14E-03 | 1.71E-03 | 1.1576 |
| 45 | 117 | 0 | Rh-117 | 1.19E-03 | 7.59E-04 | 1.20E-03 | 7.65E-04 | 1.1587 |
| 45 | 118 | 0 | Rh-118 | 3.87E-04 | 2.48E-04 | 3.91E-04 | 2.49E-04 | 1.1581 |
| 45 | 119 | 0 | Rh-119 | 9.25E-05 | 5.92E-05 | 9.35E-05 | 5.96E-05 | 1.1580 |
| 45 | 120 | 0 | Rh-120 | 1.72E-05 | 1.10E-05 | 1.74E-05 | 1.11E-05 | 1.1583 |
| 45 | 121 | 0 | Rh-121 | 2.17E-06 | 1.39E-06 | 2.20E-06 | 1.40E-06 | 1.1579 |
| 45 | 122 | 0 | Rh-122 | 2.03E-07 | 1.30E-07 | 2.05E-07 | 1.31E-07 | 1.1583 |
| 45 | 123 | 0 | Rh-123 | 1.31E-08 | 8.39E-09 | 1.33E-08 | 8.45E-09 | 1.1579 |
| 45 | 124 | 0 | Rh-124 | 6.18E-10 | 3.96E-10 | 6.26E-10 | 3.99E-10 | 1.1580 |
| 45 | 125 | 0 | Rh-125 | 3.67E-11 | 2.35E-11 | 3.71E-11 | 2.37E-11 | 1.1581 |
| 45 | 126 | 0 | Rh-126 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 45 | 127 | 0 | Rh-127 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 45 | 128 | 0 | Rh-128 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 46 | 102 | 0 | Pd-102 | 2.85E-11 | 1.83E-11 | 2.89E-11 | 1.85E-11 | 1.1581 |
| 46 | 103 | 0 | Pd-103 | 1.58E-12 | 1.01E-12 | 1.60E-12 | 1.02E-12 | 1.1577 |
| 46 | 104 | 0 | Pd-104 | 1.05E-07 | 6.75E-08 | 1.07E-07 | 6.78E-08 | 1.1579 |
| 46 | 105 | 0 | Pd-105 | 1.87E-02 | 7.50E-04 | 1.89E-02 | 7.69E-04 | 1.1580 |
| 46 | 106 | 0 | Pd-106 | 1.59E-02 | 6.63E-04 | 1.61E-02 | 6.44E-04 | 1.1582 |
| 46 | 107 | 0 | Pd-107 | 1.27E-02 | 1.42E-03 | 1.29E-02 | 1.41E-03 | 1.1582 |
| 46 | 107 | 1 | Pd-107m | 2.39E-08 | 1.53E-08 | 2.42E-08 | 1.54E-08 | 1.1577 |
| 46 | 108 | 0 | Pd-108 | 1.17E-02 | 1.30E-03 | 1.18E-02 | 1.30E-03 | 1.1582 |
| 46 | 109 | 0 | Pd-109 | 9.51E-03 | 6.09E-03 | 1.18E-02 | 7.51E-03 | 23.5227 |
| 46 | 109 | 1 | Pd-109m | 2.83E-06 | 1.81E-06 | 2.86E-06 | 1.82E-06 | 1.1582 |
| 46 | 110 | 0 | Pd-110 | 1.08E-02 | 1.19E-03 | 1.09E-02 | 1.19E-03 | 1.1587 |
| 46 | 111 | 0 | Pd-111 | 1.07E-02 | 3.44E-03 | 1.08E-02 | 3.44E-03 | 1.1583 |
| 46 | 111 | 1 | Pd-111m | 9.70E-05 | 6.21E-05 | 9.81E-05 | 6.28E-05 | 1.1580 |
| 46 | 112 | 0 | Pd-112 | 9.89E-03 | 9.10E-04 | 1.00E-02 | 8.03E-04 | 1.1578 |
| 46 | 113 | 0 | Pd-113 | 1.00E-02 | 2.25E-03 | 1.02E-02 | 2.28E-03 | 1.1572 |
| 46 | 113 | 1 | Pd-113m | 2.77E-03 | 9.56E-04 | 2.80E-03 | 9.67E-04 | 1.1580 |
| 46 | 114 | 0 | Pd-114 | 9.56E-03 | 3.42E-03 | 9.67E-03 | 3.39E-03 | 1.1581 |
| 46 | 115 | 0 | Pd-115 | 3.21E-03 | 2.05E-03 | 3.24E-03 | 2.08E-03 | 1.1579 |
| 46 | 115 | 1 | Pd-115m | 4.48E-03 | 3.17E-03 | 4.53E-03 | 3.21E-03 | 1.1581 |
| 46 | 116 | 0 | Pd-116 | 8.28E-03 | 2.82E-03 | 8.37E-03 | 2.80E-03 | 1.1580 |
| 46 | 117 | 0 | Pd-117 | 5.84E-03 | 3.61E-03 | 5.91E-03 | 3.67E-03 | 1.1581 |
| 46 | 117 | 1 | Pd-117m | 4.41E-03 | 3.52E-03 | 4.46E-03 | 3.57E-03 | 1.1581 |
| 46 | 118 | 0 | Pd-118 | 4.42E-03 | 2.83E-03 | 4.47E-03 | 2.86E-03 | 1.1580 |

| | | | | | | | | |
|----|-----|---|----------|----------|----------|----------|----------|----------|
| 46 | 119 | 0 | Pd-119 | 2.26E-03 | 1.45E-03 | 2.29E-03 | 1.46E-03 | 1.1583 |
| 46 | 120 | 0 | Pd-120 | 9.18E-04 | 5.88E-04 | 9.29E-04 | 5.92E-04 | 1.1580 |
| 46 | 121 | 0 | Pd-121 | 2.68E-04 | 1.71E-04 | 2.71E-04 | 1.73E-04 | 1.1581 |
| 46 | 122 | 0 | Pd-122 | 6.02E-05 | 3.85E-05 | 6.09E-05 | 3.88E-05 | 1.1580 |
| 46 | 123 | 0 | Pd-123 | 9.48E-06 | 6.07E-06 | 9.59E-06 | 6.11E-06 | 1.1580 |
| 46 | 124 | 0 | Pd-124 | 1.11E-06 | 7.12E-07 | 1.13E-06 | 7.17E-07 | 1.1580 |
| 46 | 125 | 0 | Pd-125 | 8.72E-08 | 5.58E-08 | 8.83E-08 | 5.63E-08 | 1.1580 |
| 46 | 126 | 0 | Pd-126 | 6.74E-09 | 4.31E-09 | 6.82E-09 | 4.35E-09 | 1.1580 |
| 46 | 127 | 0 | Pd-127 | 3.89E-10 | 2.49E-10 | 3.93E-10 | 2.50E-10 | 1.1580 |
| 46 | 128 | 0 | Pd-128 | 5.71E-11 | 3.65E-11 | 5.77E-11 | 3.68E-11 | 1.1580 |
| 46 | 129 | 0 | Pd-129 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 46 | 130 | 0 | Pd-130 | 3.93E-14 | 2.52E-14 | 3.98E-14 | 2.53E-14 | 1.1581 |
| 46 | 131 | 0 | Pd-131 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 47 | 105 | 0 | Ag-105 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 47 | 105 | 1 | Ag-105m | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 47 | 106 | 0 | Ag-106 | 2.59E-14 | 1.65E-14 | 2.62E-14 | 1.67E-14 | 1.1577 |
| 47 | 106 | 1 | Ag-106m | 1.17E-13 | 7.49E-14 | 1.18E-13 | 7.54E-14 | 1.1575 |
| 47 | 107 | 0 | Ag-107 | 1.27E-02 | 1.42E-03 | 1.29E-02 | 1.41E-03 | 1.1582 |
| 47 | 107 | 1 | Ag-107m | 4.49E-12 | 2.87E-12 | 4.54E-12 | 2.90E-12 | 1.1581 |
| 47 | 108 | 0 | Ag-108 | 3.46E-11 | 2.01E-11 | 3.50E-11 | 2.02E-11 | 1.1580 |
| 47 | 108 | 1 | Ag-108m | 1.12E-10 | 7.18E-11 | 1.13E-10 | 7.23E-11 | 1.1580 |
| 47 | 109 | 0 | Ag-109 | 9.51E-03 | 6.09E-03 | 1.18E-02 | 7.51E-03 | 23.5227 |
| 47 | 109 | 1 | Ag-109m | 9.51E-03 | 6.09E-03 | 1.17E-02 | 7.50E-03 | 23.5351 |
| 47 | 110 | 0 | Ag-110 | 9.63E-09 | 6.16E-09 | 9.74E-09 | 6.22E-09 | 1.1580 |
| 47 | 110 | 1 | Ag-110m | 4.10E-08 | 2.63E-08 | 4.15E-08 | 2.65E-08 | 1.1578 |
| 47 | 111 | 0 | Ag-111 | 1.06E-02 | 3.27E-04 | 1.08E-02 | 3.01E-04 | 1.1587 |
| 47 | 111 | 1 | Ag-111m | 1.06E-02 | 1.18E-03 | 1.07E-02 | 1.18E-03 | 1.1585 |
| 47 | 112 | 0 | Ag-112 | 9.90E-03 | 9.10E-04 | 1.00E-02 | 8.03E-04 | 1.1581 |
| 47 | 113 | 0 | Ag-113 | 6.57E-03 | 3.39E-03 | 6.65E-03 | 3.32E-03 | 1.1580 |
| 47 | 113 | 1 | Ag-113m | 9.75E-03 | 3.12E-03 | 9.86E-03 | 3.16E-03 | 1.1580 |
| 47 | 114 | 0 | Ag-114 | 9.73E-03 | 2.48E-03 | 9.84E-03 | 2.46E-03 | 1.1580 |
| 47 | 114 | 1 | Ag-114m | 1.65E-04 | 1.32E-04 | 1.67E-04 | 1.34E-04 | 1.1584 |
| 47 | 115 | 0 | Ag-115 | 3.83E-03 | 2.45E-03 | 3.87E-03 | 2.48E-03 | 1.1578 |
| 47 | 115 | 1 | Ag-115m | 5.00E-03 | 3.15E-03 | 5.06E-03 | 3.21E-03 | 1.1580 |
| 47 | 116 | 0 | Ag-116 | 8.48E-03 | 4.29E-03 | 8.54E-03 | 4.35E-03 | 0.7656 |
| 47 | 116 | 1 | Ag-116m | 1.26E-03 | 4.04E-04 | 1.31E-03 | 4.20E-04 | 3.9927 |
| 47 | 116 | 2 | Ag-116m2 | 4.42E-04 | 3.54E-04 | 4.47E-04 | 3.58E-04 | 1.1580 |
| 47 | 117 | 0 | Ag-117 | 6.30E-03 | 3.10E-03 | 6.38E-03 | 3.16E-03 | 1.1579 |
| 47 | 117 | 1 | Ag-117m | 3.24E-03 | 1.46E-03 | 3.28E-03 | 1.48E-03 | 1.1581 |
| 47 | 118 | 0 | Ag-118 | 6.61E-03 | 2.74E-03 | 6.68E-03 | 2.79E-03 | 1.1581 |
| 47 | 118 | 1 | Ag-118m | 5.40E-03 | 3.46E-03 | 5.46E-03 | 3.50E-03 | 1.1581 |
| 47 | 119 | 0 | Ag-119 | 6.58E-03 | 3.86E-03 | 6.65E-03 | 3.83E-03 | 1.1580 |
| 47 | 119 | 1 | Ag-119m | 1.38E-03 | 3.78E-04 | 1.39E-03 | 3.82E-04 | 1.1579 |
| 47 | 120 | 0 | Ag-120 | 3.78E-03 | 2.18E-03 | 3.83E-03 | 2.19E-03 | 1.1578 |
| 47 | 120 | 1 | Ag-120m | 3.98E-03 | 2.55E-03 | 4.03E-03 | 2.57E-03 | 1.1578 |
| 47 | 121 | 0 | Ag-121 | 3.75E-03 | 2.40E-03 | 3.79E-03 | 2.42E-03 | 1.1581 |
| 47 | 122 | 0 | Ag-122 | 1.86E-03 | 1.11E-03 | 1.72E-03 | 1.10E-03 | -7.6596 |
| 47 | 122 | 1 | Ag-122m | 3.25E-04 | 1.92E-04 | 1.64E-04 | 1.05E-04 | -49.4211 |
| 47 | 123 | 0 | Ag-123 | 6.78E-04 | 4.34E-04 | 6.86E-04 | 4.37E-04 | 1.1580 |
| 47 | 124 | 0 | Ag-124 | 1.88E-04 | 1.21E-04 | 1.91E-04 | 1.22E-04 | 1.1582 |
| 47 | 125 | 0 | Ag-125 | 3.59E-05 | 2.30E-05 | 3.64E-05 | 2.32E-05 | 1.1581 |
| 47 | 126 | 0 | Ag-126 | 6.82E-06 | 4.36E-06 | 6.89E-06 | 4.39E-06 | 1.1579 |
| 47 | 127 | 0 | Ag-127 | 9.24E-07 | 5.91E-07 | 9.35E-07 | 5.96E-07 | 1.1580 |
| 47 | 128 | 0 | Ag-128 | 2.26E-07 | 1.45E-07 | 2.29E-07 | 1.46E-07 | 1.1579 |
| 47 | 129 | 0 | Ag-129 | 8.57E-09 | 5.49E-09 | 8.67E-09 | 5.53E-09 | 1.1580 |
| 47 | 130 | 0 | Ag-130 | 9.34E-10 | 5.98E-10 | 9.45E-10 | 6.02E-10 | 1.1580 |
| 47 | 131 | 0 | Ag-131 | 5.76E-11 | 3.69E-11 | 5.83E-11 | 3.71E-11 | 1.1580 |
| 47 | 132 | 0 | Ag-132 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 47 | 133 | 0 | Ag-133 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 48 | 108 | 0 | Cd-108 | 3.36E-11 | 2.15E-11 | 3.40E-11 | 2.17E-11 | 1.1580 |
| 48 | 109 | 0 | Cd-109 | 2.72E-13 | 1.74E-13 | 2.75E-13 | 1.75E-13 | 1.1579 |

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|----|-----|---|----------|----------|----------|----------|----------|----------|
| 48 | 110 | 0 | Cd-110 | 5.01E-08 | 3.21E-08 | 5.07E-08 | 3.23E-08 | 1.1580 |
| 48 | 111 | 0 | Cd-111 | 1.07E-02 | 3.14E-04 | 1.08E-02 | 3.05E-04 | 1.1582 |
| 48 | 111 | 1 | Cd-111m | 2.64E-10 | 1.69E-10 | 2.67E-10 | 1.70E-10 | 1.1580 |
| 48 | 112 | 0 | Cd-112 | 9.90E-03 | 1.22E-03 | 1.00E-02 | 1.14E-03 | 1.1581 |
| 48 | 113 | 0 | Cd-113 | 9.98E-03 | 1.18E-03 | 1.01E-02 | 1.11E-03 | 1.1578 |
| 48 | 113 | 1 | Cd-113m | 1.05E-04 | 2.43E-05 | 1.06E-04 | 2.32E-05 | 1.1579 |
| 48 | 114 | 0 | Cd-114 | 9.73E-03 | 1.43E-03 | 9.85E-03 | 1.37E-03 | 1.1581 |
| 48 | 115 | 0 | Cd-115 | 4.33E-03 | 2.60E-03 | 8.03E-03 | 1.16E-03 | 85.7560 |
| 48 | 115 | 1 | Cd-115m | 7.42E-03 | 3.41E-03 | 3.84E-03 | 1.74E-04 | -48.1872 |
| 48 | 116 | 0 | Cd-116 | 1.01E-02 | 1.24E-03 | 1.02E-02 | 1.21E-03 | 1.1578 |
| 48 | 117 | 0 | Cd-117 | 7.58E-03 | 2.51E-03 | 7.67E-03 | 2.51E-03 | 1.1580 |
| 48 | 117 | 1 | Cd-117m | 2.04E-03 | 9.20E-04 | 2.07E-03 | 9.30E-04 | 1.1578 |
| 48 | 118 | 0 | Cd-118 | 1.07E-02 | 3.46E-03 | 1.08E-02 | 3.46E-03 | 1.1582 |
| 48 | 119 | 0 | Cd-119 | 6.58E-03 | 2.85E-03 | 6.66E-03 | 2.91E-03 | 1.1580 |
| 48 | 119 | 1 | Cd-119m | 3.64E-03 | 1.64E-03 | 3.68E-03 | 1.65E-03 | 1.1580 |
| 48 | 120 | 0 | Cd-120 | 1.04E-02 | 4.72E-03 | 1.05E-02 | 4.72E-03 | 1.1580 |
| 48 | 121 | 0 | Cd-121 | 4.34E-03 | 2.78E-03 | 4.39E-03 | 2.81E-03 | 1.1509 |
| 48 | 121 | 1 | Cd-121m | 4.89E-03 | 2.92E-03 | 4.95E-03 | 2.93E-03 | 1.1580 |
| 48 | 122 | 0 | Cd-122 | 8.58E-03 | 2.67E-03 | 8.35E-03 | 2.66E-03 | -2.6699 |
| 48 | 123 | 0 | Cd-123 | 7.23E-04 | 3.25E-04 | 7.31E-04 | 3.29E-04 | 1.1579 |
| 48 | 123 | 1 | Cd-123m | 4.42E-03 | 3.44E-03 | 4.48E-03 | 3.48E-03 | 1.1578 |
| 48 | 124 | 0 | Cd-124 | 3.51E-03 | 2.25E-03 | 3.55E-03 | 2.26E-03 | 1.1578 |
| 48 | 125 | 0 | Cd-125 | 8.15E-05 | 5.22E-05 | 8.25E-05 | 5.28E-05 | 1.1581 |
| 48 | 125 | 1 | Cd-125m | 1.34E-03 | 1.07E-03 | 1.36E-03 | 1.08E-03 | 1.1576 |
| 48 | 126 | 0 | Cd-126 | 6.69E-04 | 4.28E-04 | 6.76E-04 | 4.31E-04 | 1.1579 |
| 48 | 127 | 0 | Cd-127 | 2.03E-04 | 1.30E-04 | 2.05E-04 | 1.31E-04 | 1.1579 |
| 48 | 128 | 0 | Cd-128 | 8.27E-05 | 5.29E-05 | 8.37E-05 | 5.33E-05 | 1.1579 |
| 48 | 129 | 0 | Cd-129 | 2.04E-05 | 1.30E-05 | 2.06E-05 | 1.31E-05 | 1.1581 |
| 48 | 130 | 0 | Cd-130 | 1.98E-06 | 1.26E-06 | 2.00E-06 | 1.27E-06 | 1.1579 |
| 48 | 131 | 0 | Cd-131 | 1.37E-07 | 8.76E-08 | 1.39E-07 | 8.83E-08 | 1.1575 |
| 48 | 132 | 0 | Cd-132 | 5.30E-09 | 3.39E-09 | 5.36E-09 | 3.42E-09 | 1.1579 |
| 48 | 133 | 0 | Cd-133 | 2.17E-10 | 1.39E-10 | 2.20E-10 | 1.40E-10 | 1.1581 |
| 48 | 134 | 0 | Cd-134 | 2.04E-12 | 1.31E-12 | 2.07E-12 | 1.32E-12 | 1.1581 |
| 48 | 135 | 0 | Cd-135 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 48 | 136 | 0 | Cd-136 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 49 | 110 | 0 | In-110 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 49 | 110 | 1 | In-110m | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 49 | 111 | 0 | In-111 | 1.05E-14 | 6.71E-15 | 1.06E-14 | 6.79E-15 | 1.1575 |
| 49 | 111 | 1 | In-111m | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 49 | 112 | 0 | In-112 | 7.93E-13 | 5.07E-13 | 8.02E-13 | 5.13E-13 | 1.1580 |
| 49 | 112 | 1 | In-112m | 7.03E-13 | 4.50E-13 | 7.11E-13 | 4.53E-13 | 1.1580 |
| 49 | 113 | 0 | In-113 | 1.01E-02 | 1.20E-03 | 1.02E-02 | 1.13E-03 | 1.1584 |
| 49 | 113 | 1 | In-113m | 3.57E-12 | 2.29E-12 | 3.61E-12 | 2.30E-12 | 1.1580 |
| 49 | 114 | 0 | In-114 | 8.53E-10 | 5.12E-10 | 8.62E-10 | 5.13E-10 | 1.1580 |
| 49 | 114 | 1 | In-114m | 7.88E-10 | 4.29E-10 | 7.98E-10 | 4.35E-10 | 1.1580 |
| 49 | 114 | 2 | In-114m2 | 2.81E-10 | 2.25E-10 | 2.85E-10 | 2.28E-10 | 1.1579 |
| 49 | 115 | 0 | In-115 | 1.15E-02 | 8.96E-04 | 1.15E-02 | 8.49E-04 | -0.4295 |
| 49 | 115 | 1 | In-115m | 4.33E-03 | 2.04E-03 | 8.04E-03 | 1.70E-03 | 85.7309 |
| 49 | 116 | 0 | In-116 | 9.33E-08 | 5.97E-08 | 2.45E-08 | 1.56E-08 | -73.7739 |
| 49 | 116 | 1 | In-116m | 1.37E-07 | 8.75E-08 | 2.08E-07 | 1.33E-07 | 52.2474 |
| 49 | 116 | 2 | In-116m2 | 6.91E-08 | 4.42E-08 | 6.99E-08 | 4.45E-08 | 1.1581 |
| 49 | 117 | 0 | In-117 | 5.95E-03 | 1.80E-03 | 6.02E-03 | 1.77E-03 | 1.1581 |
| 49 | 117 | 1 | In-117m | 6.96E-03 | 2.33E-03 | 7.04E-03 | 2.32E-03 | 1.1579 |
| 49 | 118 | 0 | In-118 | 1.07E-02 | 2.49E-03 | 1.08E-02 | 2.48E-03 | 1.1580 |
| 49 | 118 | 1 | In-118m | 1.60E-05 | 8.64E-06 | 1.61E-05 | 8.73E-06 | 1.1580 |
| 49 | 118 | 2 | In-118m2 | 5.38E-06 | 3.44E-06 | 5.44E-06 | 3.47E-06 | 1.1579 |
| 49 | 119 | 0 | In-119 | 4.62E-03 | 2.14E-03 | 4.67E-03 | 2.12E-03 | 1.1582 |
| 49 | 119 | 1 | In-119m | 5.97E-03 | 1.82E-03 | 6.03E-03 | 1.84E-03 | 1.1580 |
| 49 | 120 | 0 | In-120 | 1.05E-02 | 5.65E-03 | 1.06E-02 | 5.76E-03 | 1.1581 |
| 49 | 120 | 1 | In-120m | 3.58E-04 | 1.61E-04 | 2.40E-04 | 1.08E-04 | -32.7876 |
| 49 | 120 | 2 | In-120m2 | 2.40E-04 | 1.42E-04 | 1.21E-04 | 7.73E-05 | -49.4211 |

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|----|-----|---|----------|----------|----------|----------|----------|----------|
| 49 | 121 | 0 | ln-121 | 7.45E-03 | 4.34E-03 | 7.54E-03 | 4.41E-03 | 1.1566 |
| 49 | 121 | 1 | ln-121m | 3.01E-03 | 1.93E-03 | 3.05E-03 | 1.95E-03 | 1.1510 |
| 49 | 122 | 0 | ln-122 | 8.89E-03 | 2.00E-03 | 8.66E-03 | 1.98E-03 | -2.5361 |
| 49 | 122 | 1 | ln-122m | 2.64E-03 | 1.61E-03 | 1.78E-03 | 1.14E-03 | -32.7877 |
| 49 | 122 | 2 | ln-122m2 | 1.77E-03 | 1.05E-03 | 8.97E-04 | 5.72E-04 | -49.4211 |
| 49 | 123 | 0 | ln-123 | 9.24E-03 | 4.18E-03 | 9.34E-03 | 4.18E-03 | 1.1580 |
| 49 | 123 | 1 | ln-123m | 1.16E-03 | 5.20E-04 | 1.17E-03 | 5.26E-04 | 1.1581 |
| 49 | 124 | 0 | ln-124 | 5.98E-03 | 3.83E-03 | 6.05E-03 | 3.86E-03 | 1.1579 |
| 49 | 124 | 1 | ln-124m | 4.73E-03 | 3.02E-03 | 4.78E-03 | 3.05E-03 | 1.1578 |
| 49 | 125 | 0 | ln-125 | 7.57E-03 | 4.68E-03 | 7.66E-03 | 4.69E-03 | 1.1579 |
| 49 | 125 | 1 | ln-125m | 8.25E-04 | 5.28E-04 | 8.34E-04 | 5.34E-04 | 1.1580 |
| 49 | 126 | 0 | ln-126 | 3.07E-03 | 1.68E-03 | 3.10E-03 | 1.69E-03 | 1.1581 |
| 49 | 126 | 1 | ln-126m | 4.59E-03 | 2.94E-03 | 4.65E-03 | 2.97E-03 | 1.1578 |
| 49 | 127 | 0 | ln-127 | 2.34E-03 | 1.47E-03 | 2.37E-03 | 1.47E-03 | 1.1582 |
| 49 | 127 | 1 | ln-127m | 3.14E-04 | 2.01E-04 | 3.17E-04 | 2.03E-04 | 1.1580 |
| 49 | 127 | 2 | ln-127m2 | 2.10E-03 | 1.68E-03 | 2.13E-03 | 1.70E-03 | 1.1582 |
| 49 | 128 | 0 | ln-128 | 1.12E-03 | 7.19E-04 | 1.14E-03 | 7.24E-04 | 1.1579 |
| 49 | 128 | 1 | ln-128m | 1.99E-03 | 1.27E-03 | 2.02E-03 | 1.28E-03 | 1.1581 |
| 49 | 129 | 0 | ln-129 | 8.31E-04 | 5.32E-04 | 8.41E-04 | 5.38E-04 | 1.1580 |
| 49 | 129 | 1 | ln-129m | 1.25E-04 | 7.04E-05 | 1.27E-04 | 7.08E-05 | 1.1586 |
| 49 | 129 | 2 | ln-129m2 | 6.79E-04 | 5.43E-04 | 6.87E-04 | 5.49E-04 | 1.1581 |
| 49 | 130 | 0 | ln-130 | 4.83E-04 | 2.63E-04 | 4.85E-05 | 3.10E-05 | -89.9607 |
| 49 | 130 | 1 | ln-130m | 4.35E-04 | 2.79E-04 | 8.88E-05 | 5.66E-05 | -79.6037 |
| 49 | 130 | 2 | ln-130m2 | 1.39E-03 | 8.90E-04 | 2.63E-04 | 1.67E-04 | -81.0973 |
| 49 | 131 | 0 | ln-131 | 3.15E-05 | 2.02E-05 | 3.19E-05 | 2.04E-05 | 1.1580 |
| 49 | 131 | 1 | ln-131m | 3.91E-06 | 2.50E-06 | 3.96E-06 | 2.52E-06 | 1.1580 |
| 49 | 131 | 2 | ln-131m2 | 3.42E-05 | 2.74E-05 | 3.46E-05 | 2.77E-05 | 1.1580 |
| 49 | 132 | 0 | ln-132 | 7.48E-06 | 4.78E-06 | 7.56E-06 | 4.83E-06 | 1.1581 |
| 49 | 133 | 0 | ln-133 | 5.17E-07 | 3.31E-07 | 5.23E-07 | 3.33E-07 | 1.1581 |
| 49 | 134 | 0 | ln-134 | 2.23E-08 | 1.43E-08 | 2.26E-08 | 1.44E-08 | 1.1583 |
| 49 | 135 | 0 | ln-135 | 7.05E-10 | 4.51E-10 | 7.13E-10 | 4.55E-10 | 1.1580 |
| 49 | 136 | 0 | ln-136 | 1.32E-11 | 8.45E-12 | 1.34E-11 | 8.51E-12 | 1.1583 |
| 49 | 137 | 0 | ln-137 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 49 | 138 | 0 | ln-138 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 50 | 113 | 0 | Sn-113 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 50 | 113 | 1 | Sn-113m | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 50 | 114 | 0 | Sn-114 | 8.48E-10 | 5.24E-10 | 8.58E-10 | 5.24E-10 | 1.1580 |
| 50 | 115 | 0 | Sn-115 | 1.17E-02 | 8.80E-04 | 1.19E-02 | 1.01E-03 | 1.1583 |
| 50 | 116 | 0 | Sn-116 | 2.30E-07 | 1.04E-07 | 2.33E-07 | 1.04E-07 | 1.1652 |
| 50 | 117 | 0 | Sn-117 | 9.63E-03 | 6.16E-03 | 9.74E-03 | 6.23E-03 | 1.1580 |
| 50 | 117 | 1 | Sn-117m | 2.20E-05 | 1.40E-05 | 2.23E-05 | 1.40E-05 | 1.1583 |
| 50 | 118 | 0 | Sn-118 | 1.07E-02 | 1.19E-03 | 1.09E-02 | 1.19E-03 | 1.1581 |
| 50 | 119 | 0 | Sn-119 | 1.03E-02 | 1.30E-03 | 1.04E-02 | 1.26E-03 | 1.1579 |
| 50 | 119 | 1 | Sn-119m | 3.42E-04 | 1.07E-04 | 3.46E-04 | 1.09E-04 | 1.1581 |
| 50 | 120 | 0 | Sn-120 | 1.11E-02 | 1.21E-03 | 1.10E-02 | 1.20E-03 | -1.0355 |
| 50 | 121 | 0 | Sn-121 | 1.03E-02 | 6.57E-03 | 1.04E-02 | 6.65E-03 | 1.1549 |
| 50 | 121 | 1 | Sn-121m | 8.48E-04 | 4.92E-04 | 8.57E-04 | 5.00E-04 | 1.1566 |
| 50 | 122 | 0 | Sn-122 | 1.35E-02 | 2.37E-03 | 1.15E-02 | 1.26E-03 | -14.5978 |
| 50 | 123 | 0 | Sn-123 | 8.45E-04 | 4.59E-04 | 8.55E-04 | 4.65E-04 | 1.1581 |
| 50 | 123 | 1 | Sn-123m | 1.02E-02 | 2.85E-03 | 1.03E-02 | 2.81E-03 | 1.1581 |
| 50 | 124 | 0 | Sn-124 | 1.27E-02 | 1.41E-03 | 1.29E-02 | 1.41E-03 | 1.1580 |
| 50 | 125 | 0 | Sn-125 | 5.94E-03 | 3.08E-03 | 6.01E-03 | 3.02E-03 | 1.1580 |
| 50 | 125 | 1 | Sn-125m | 8.14E-03 | 3.71E-03 | 8.23E-03 | 3.78E-03 | 1.1579 |
| 50 | 126 | 0 | Sn-126 | 1.69E-02 | 1.37E-03 | 1.71E-02 | 1.36E-03 | 1.1577 |
| 50 | 127 | 0 | Sn-127 | 1.30E-02 | 3.26E-03 | 1.32E-02 | 3.23E-03 | 1.1579 |
| 50 | 127 | 1 | Sn-127m | 4.05E-03 | 2.27E-03 | 4.09E-03 | 2.29E-03 | 1.1578 |
| 50 | 128 | 0 | Sn-128 | 3.89E-02 | 2.49E-02 | 1.69E-02 | 9.12E-03 | -56.6215 |
| 50 | 128 | 1 | Sn-128m | 2.33E-02 | 1.40E-02 | 1.23E-02 | 7.25E-03 | -47.1658 |
| 50 | 129 | 0 | Sn-129 | 3.27E-03 | 1.31E-03 | 3.30E-03 | 1.29E-03 | 1.0327 |
| 50 | 129 | 1 | Sn-129m | 1.25E-02 | 7.49E-03 | 1.26E-02 | 7.51E-03 | 1.0067 |
| 50 | 130 | 0 | Sn-130 | 3.10E-03 | 1.75E-03 | 1.76E-03 | 1.13E-03 | -43.0969 |

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|----|-----|---|----------|----------|----------|----------|----------|----------|
| 50 | 130 | 1 | Sn-130m | 7.32E-03 | 4.40E-03 | 6.86E-03 | 4.37E-03 | -6.2352 |
| 50 | 131 | 0 | Sn-131 | 6.84E-04 | 4.37E-04 | 6.91E-04 | 4.43E-04 | 1.1581 |
| 50 | 131 | 1 | Sn-131m | 3.04E-03 | 1.94E-03 | 3.08E-03 | 1.94E-03 | 1.1579 |
| 50 | 132 | 0 | Sn-132 | 1.01E-03 | 6.47E-04 | 1.02E-03 | 6.51E-04 | 1.1579 |
| 50 | 133 | 0 | Sn-133 | 1.89E-04 | 1.21E-04 | 1.91E-04 | 1.22E-04 | 1.1579 |
| 50 | 134 | 0 | Sn-134 | 2.21E-05 | 1.41E-05 | 2.23E-05 | 1.42E-05 | 1.1580 |
| 50 | 135 | 0 | Sn-135 | 1.68E-06 | 1.07E-06 | 1.70E-06 | 1.08E-06 | 1.1581 |
| 50 | 136 | 0 | Sn-136 | 9.10E-08 | 5.83E-08 | 9.21E-08 | 5.87E-08 | 1.1581 |
| 50 | 137 | 0 | Sn-137 | 3.14E-09 | 2.01E-09 | 3.17E-09 | 2.02E-09 | 1.1580 |
| 50 | 138 | 0 | Sn-138 | 1.07E-10 | 6.86E-11 | 1.08E-10 | 6.91E-11 | 1.1577 |
| 50 | 139 | 0 | Sn-139 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 50 | 140 | 0 | Sn-140 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 51 | 116 | 0 | Sb-116 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 51 | 116 | 1 | Sb-116m | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 51 | 117 | 0 | Sb-117 | 1.32E-13 | 8.45E-14 | 1.34E-13 | 8.51E-14 | 1.1583 |
| 51 | 118 | 0 | Sb-118 | 1.57E-12 | 1.01E-12 | 1.59E-12 | 1.01E-12 | 1.1581 |
| 51 | 118 | 1 | Sb-118m | 4.50E-12 | 2.88E-12 | 4.55E-12 | 2.90E-12 | 1.1582 |
| 51 | 119 | 0 | Sb-119 | 1.98E-10 | 1.26E-10 | 2.00E-10 | 1.27E-10 | 1.1579 |
| 51 | 120 | 0 | Sb-120 | 1.11E-09 | 7.09E-10 | 1.12E-09 | 7.14E-10 | 1.1589 |
| 51 | 120 | 1 | Sb-120m | 3.17E-09 | 2.03E-09 | 3.21E-09 | 2.04E-09 | 1.1581 |
| 51 | 121 | 0 | Sb-121 | 1.05E-02 | 4.29E-04 | 1.06E-02 | 4.23E-04 | 1.1559 |
| 51 | 122 | 0 | Sb-122 | 9.87E-07 | 5.52E-07 | 9.99E-07 | 5.56E-07 | 1.1580 |
| 51 | 122 | 1 | Sb-122m | 8.61E-07 | 4.66E-07 | 8.71E-07 | 4.73E-07 | 1.1580 |
| 51 | 122 | 2 | Sb-122m2 | 2.92E-07 | 2.33E-07 | 2.95E-07 | 2.36E-07 | 1.1580 |
| 51 | 123 | 0 | Sb-123 | 1.11E-02 | 1.57E-03 | 1.12E-02 | 1.50E-03 | 1.1581 |
| 51 | 124 | 0 | Sb-124 | 5.34E-05 | 3.42E-05 | 5.40E-05 | 3.46E-05 | 1.1580 |
| 51 | 124 | 1 | Sb-124m | 5.71E-05 | 3.22E-05 | 5.78E-05 | 3.24E-05 | 1.1580 |
| 51 | 124 | 2 | Sb-124m2 | 2.02E-05 | 1.29E-05 | 2.05E-05 | 1.30E-05 | 1.1583 |
| 51 | 125 | 0 | Sb-125 | 1.44E-02 | 2.34E-03 | 1.46E-02 | 2.34E-03 | 1.1579 |
| 51 | 126 | 0 | Sb-126 | 3.28E-03 | 2.75E-04 | 3.21E-03 | 2.57E-04 | -1.9612 |
| 51 | 126 | 1 | Sb-126m | 1.85E-02 | 1.23E-03 | 1.80E-02 | 1.08E-03 | -2.7937 |
| 51 | 126 | 2 | Sb-126m2 | 1.22E-02 | 7.55E-03 | 1.20E-02 | 7.54E-03 | -1.8353 |
| 51 | 127 | 0 | Sb-127 | 2.15E-02 | 8.76E-04 | 2.17E-02 | 8.70E-04 | 1.1579 |
| 51 | 128 | 0 | Sb-128 | 5.60E-03 | 3.19E-03 | 4.86E-03 | 3.10E-03 | -13.2923 |
| 51 | 128 | 1 | Sb-128m | 4.20E-02 | 2.55E-02 | 2.00E-02 | 1.28E-02 | -52.3928 |
| 51 | 129 | 0 | Sb-129 | 1.96E-02 | 3.34E-03 | 1.98E-02 | 3.17E-03 | 1.0431 |
| 51 | 129 | 1 | Sb-129m | 9.24E-03 | 7.17E-03 | 9.34E-03 | 7.25E-03 | 1.1535 |
| 51 | 130 | 0 | Sb-130 | 1.79E-02 | 1.04E-02 | 1.76E-02 | 1.03E-02 | -1.4432 |
| 51 | 130 | 1 | Sb-130m | 1.28E-02 | 8.21E-03 | 1.15E-02 | 7.38E-03 | -10.1147 |
| 51 | 131 | 0 | Sb-131 | 2.51E-02 | 8.08E-03 | 2.54E-02 | 8.08E-03 | 1.1576 |
| 51 | 132 | 0 | Sb-132 | 6.54E-03 | 2.77E-03 | 6.61E-03 | 2.79E-03 | 1.1580 |
| 51 | 132 | 1 | Sb-132m | 8.79E-03 | 4.25E-03 | 8.89E-03 | 4.24E-03 | 1.1580 |
| 51 | 133 | 0 | Sb-133 | 7.13E-03 | 3.23E-03 | 7.21E-03 | 3.23E-03 | 1.1580 |
| 51 | 134 | 0 | Sb-134 | 3.98E-04 | 2.55E-04 | 4.03E-04 | 2.56E-04 | 1.1579 |
| 51 | 134 | 1 | Sb-134m | 1.72E-03 | 1.10E-03 | 1.74E-03 | 1.11E-03 | 1.1581 |
| 51 | 135 | 0 | Sb-135 | 4.13E-04 | 2.64E-04 | 4.18E-04 | 2.66E-04 | 1.1579 |
| 51 | 136 | 0 | Sb-136 | 5.72E-05 | 3.66E-05 | 5.79E-05 | 3.69E-05 | 1.1580 |
| 51 | 137 | 0 | Sb-137 | 5.11E-06 | 3.27E-06 | 5.17E-06 | 3.30E-06 | 1.1580 |
| 51 | 138 | 0 | Sb-138 | 4.34E-07 | 2.78E-07 | 4.39E-07 | 2.80E-07 | 1.1581 |
| 51 | 139 | 0 | Sb-139 | 2.39E-08 | 1.53E-08 | 2.42E-08 | 1.54E-08 | 1.1580 |
| 51 | 140 | 0 | Sb-140 | 4.59E-10 | 2.94E-10 | 4.64E-10 | 2.96E-10 | 1.1581 |
| 51 | 141 | 0 | Sb-141 | 4.94E-11 | 3.16E-11 | 5.00E-11 | 3.18E-11 | 1.1580 |
| 51 | 142 | 0 | Sb-142 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 51 | 143 | 0 | Sb-143 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 52 | 119 | 0 | Te-119 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 52 | 119 | 1 | Te-119m | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 52 | 120 | 0 | Te-120 | 3.92E-13 | 2.51E-13 | 3.97E-13 | 2.53E-13 | 1.1582 |
| 52 | 121 | 0 | Te-121 | 1.44E-11 | 7.83E-12 | 1.46E-11 | 7.94E-12 | 1.1581 |
| 52 | 121 | 1 | Te-121m | 1.38E-11 | 8.81E-12 | 1.39E-11 | 8.87E-12 | 1.1585 |
| 52 | 122 | 0 | Te-122 | 9.64E-07 | 4.34E-07 | 9.75E-07 | 4.34E-07 | 1.1580 |
| 52 | 123 | 0 | Te-123 | 1.32E-08 | 8.42E-09 | 1.33E-08 | 8.44E-09 | 1.1587 |

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|----|-----|---|---------|----------|----------|----------|----------|----------|
| 52 | 123 | 1 | Te-123m | 1.13E-08 | 7.25E-09 | 1.15E-08 | 7.30E-09 | 1.1578 |
| 52 | 124 | 0 | Te-124 | 6.79E-05 | 4.34E-05 | 6.87E-05 | 4.38E-05 | 1.1580 |
| 52 | 125 | 0 | Te-125 | 1.44E-02 | 1.18E-03 | 1.46E-02 | 1.17E-03 | 1.1584 |
| 52 | 125 | 1 | Te-125m | 3.14E-03 | 5.46E-04 | 3.18E-03 | 5.37E-04 | 1.1579 |
| 52 | 126 | 0 | Te-126 | 1.92E-02 | 9.40E-04 | 1.87E-02 | 7.48E-04 | -2.6450 |
| 52 | 127 | 0 | Te-127 | 2.16E-02 | 6.26E-04 | 2.18E-02 | 6.16E-04 | 1.1584 |
| 52 | 127 | 1 | Te-127m | 3.69E-03 | 2.32E-04 | 3.73E-03 | 2.50E-04 | 1.1580 |
| 52 | 128 | 0 | Te-128 | 4.66E-02 | 2.21E-02 | 2.46E-02 | 1.97E-03 | -47.1227 |
| 52 | 129 | 0 | Te-129 | 2.48E-02 | 6.85E-03 | 2.50E-02 | 6.61E-03 | 1.0728 |
| 52 | 129 | 1 | Te-129m | 1.37E-02 | 7.03E-03 | 1.39E-02 | 7.18E-03 | 1.1190 |
| 52 | 130 | 0 | Te-130 | 3.74E-02 | 3.29E-03 | 3.59E-02 | 2.86E-03 | -3.9604 |
| 52 | 131 | 0 | Te-131 | 2.95E-02 | 6.63E-03 | 2.99E-02 | 6.70E-03 | 1.1582 |
| 52 | 131 | 1 | Te-131m | 1.35E-02 | 4.40E-03 | 1.37E-02 | 4.39E-03 | 1.1582 |
| 52 | 132 | 0 | Te-132 | 4.06E-02 | 1.66E-03 | 4.11E-02 | 1.64E-03 | 1.1580 |
| 52 | 133 | 0 | Te-133 | 1.58E-02 | 5.00E-03 | 1.60E-02 | 5.10E-03 | 1.1577 |
| 52 | 133 | 1 | Te-133m | 2.55E-02 | 6.63E-03 | 2.58E-02 | 6.54E-03 | 1.1579 |
| 52 | 134 | 0 | Te-134 | 2.39E-02 | 5.53E-03 | 2.41E-02 | 5.52E-03 | 1.1578 |
| 52 | 135 | 0 | Te-135 | 1.07E-02 | 2.49E-03 | 1.08E-02 | 2.48E-03 | 1.1574 |
| 52 | 136 | 0 | Te-136 | 3.57E-03 | 2.29E-03 | 3.62E-03 | 2.30E-03 | 1.1579 |
| 52 | 137 | 0 | Te-137 | 7.90E-04 | 5.06E-04 | 7.99E-04 | 5.10E-04 | 1.1579 |
| 52 | 138 | 0 | Te-138 | 1.63E-04 | 1.04E-04 | 1.64E-04 | 1.05E-04 | 1.1580 |
| 52 | 139 | 0 | Te-139 | 2.20E-05 | 1.40E-05 | 2.22E-05 | 1.42E-05 | 1.1580 |
| 52 | 140 | 0 | Te-140 | 1.09E-06 | 6.99E-07 | 1.10E-06 | 7.04E-07 | 1.1579 |
| 52 | 141 | 0 | Te-141 | 1.17E-07 | 7.52E-08 | 1.19E-07 | 7.58E-08 | 1.1579 |
| 52 | 142 | 0 | Te-142 | 5.49E-09 | 3.51E-09 | 5.55E-09 | 3.54E-09 | 1.1582 |
| 52 | 143 | 0 | Te-143 | 3.28E-10 | 2.10E-10 | 3.32E-10 | 2.11E-10 | 1.1581 |
| 52 | 144 | 0 | Te-144 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 52 | 145 | 0 | Te-145 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 53 | 122 | 0 | I-122 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 53 | 123 | 0 | I-123 | 1.65E-12 | 1.05E-12 | 1.67E-12 | 1.06E-12 | 1.1580 |
| 53 | 124 | 0 | I-124 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 53 | 125 | 0 | I-125 | 2.09E-09 | 1.34E-09 | 2.12E-09 | 1.35E-09 | 1.1453 |
| 53 | 126 | 0 | I-126 | 5.88E-08 | 3.76E-08 | 5.94E-08 | 3.79E-08 | 1.1581 |
| 53 | 127 | 0 | I-127 | 2.16E-02 | 6.28E-04 | 2.19E-02 | 6.19E-04 | 1.1578 |
| 53 | 128 | 0 | I-128 | 3.59E-06 | 2.30E-06 | 3.63E-06 | 2.32E-06 | 1.1578 |
| 53 | 129 | 0 | I-129 | 2.97E-02 | 4.84E-03 | 3.01E-02 | 4.58E-03 | 1.0807 |
| 53 | 130 | 0 | I-130 | 2.50E-04 | 1.60E-04 | 2.53E-04 | 1.61E-04 | 1.1581 |
| 53 | 130 | 1 | I-130m | 4.66E-05 | 2.99E-05 | 4.72E-05 | 3.01E-05 | 1.1579 |
| 53 | 131 | 0 | I-131 | 4.07E-02 | 1.67E-03 | 4.12E-02 | 1.65E-03 | 1.1578 |
| 53 | 132 | 0 | I-132 | 4.77E-02 | 3.02E-02 | 4.82E-02 | 3.03E-02 | 1.1580 |
| 53 | 132 | 1 | I-132m | 4.79E-03 | 3.07E-03 | 4.85E-03 | 3.09E-03 | 1.1580 |
| 53 | 133 | 0 | I-133 | 5.32E-02 | 3.35E-02 | 5.38E-02 | 3.35E-02 | 1.1581 |
| 53 | 133 | 1 | I-133m | 1.18E-02 | 6.51E-03 | 1.19E-02 | 6.55E-03 | 1.1582 |
| 53 | 134 | 0 | I-134 | 5.15E-02 | 4.17E-03 | 5.21E-02 | 4.16E-03 | 1.1581 |
| 53 | 134 | 1 | I-134m | 1.72E-02 | 3.99E-03 | 1.74E-02 | 3.99E-03 | 1.1581 |
| 53 | 135 | 0 | I-135 | 4.19E-02 | 3.39E-03 | 4.23E-02 | 3.38E-03 | 1.1580 |
| 53 | 136 | 0 | I-136 | 7.93E-03 | 1.84E-03 | 8.02E-03 | 1.84E-03 | 1.1580 |
| 53 | 136 | 1 | I-136m | 1.99E-02 | 4.62E-03 | 2.02E-02 | 4.62E-03 | 1.1580 |
| 53 | 137 | 0 | I-137 | 1.36E-02 | 3.15E-03 | 1.37E-02 | 3.15E-03 | 1.1583 |
| 53 | 138 | 0 | I-138 | 5.23E-03 | 3.34E-03 | 5.29E-03 | 3.37E-03 | 1.1579 |
| 53 | 139 | 0 | I-139 | 1.97E-03 | 1.26E-03 | 1.99E-03 | 1.27E-03 | 1.1583 |
| 53 | 140 | 0 | I-140 | 2.34E-04 | 7.54E-05 | 2.36E-04 | 7.54E-05 | 1.1581 |
| 53 | 141 | 0 | I-141 | 2.63E-05 | 8.47E-06 | 2.66E-05 | 8.47E-06 | 1.1580 |
| 53 | 142 | 0 | I-142 | 7.21E-06 | 4.62E-06 | 7.29E-06 | 4.65E-06 | 1.1579 |
| 53 | 143 | 0 | I-143 | 7.80E-07 | 4.99E-07 | 7.89E-07 | 5.03E-07 | 1.1579 |
| 53 | 144 | 0 | I-144 | 7.63E-09 | 4.88E-09 | 7.72E-09 | 4.92E-09 | 1.1580 |
| 53 | 145 | 0 | I-145 | 5.88E-10 | 3.77E-10 | 5.95E-10 | 3.79E-10 | 1.1580 |
| 53 | 146 | 0 | I-146 | 2.53E-11 | 1.62E-11 | 2.56E-11 | 1.63E-11 | 1.1579 |
| 53 | 147 | 0 | I-147 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 53 | 148 | 0 | I-148 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 54 | 125 | 0 | Xe-125 | 4.08E-13 | 2.61E-13 | 1.49E-13 | 8.20E-14 | -63.5597 |

| | | | | | | | | |
|----|-----|---|---------|----------|----------|----------|----------|----------|
| 54 | 125 | 1 | Xe-125m | 2.61E-13 | 1.54E-13 | 1.32E-13 | 8.41E-14 | -49.4208 |
| 54 | 126 | 0 | Xe-126 | 2.78E-08 | 1.68E-08 | 2.81E-08 | 1.68E-08 | 1.1581 |
| 54 | 127 | 0 | Xe-127 | 3.29E-10 | 1.81E-10 | 3.32E-10 | 1.83E-10 | 1.1579 |
| 54 | 127 | 1 | Xe-127m | 2.92E-10 | 1.87E-10 | 2.95E-10 | 1.88E-10 | 1.1579 |
| 54 | 128 | 0 | Xe-128 | 3.35E-06 | 2.14E-06 | 3.39E-06 | 2.17E-06 | 1.1578 |
| 54 | 129 | 0 | Xe-129 | 2.97E-02 | 1.90E-02 | 3.01E-02 | 1.92E-02 | 1.0810 |
| 54 | 129 | 1 | Xe-129m | 4.70E-08 | 3.01E-08 | 4.75E-08 | 3.03E-08 | 1.1580 |
| 54 | 130 | 0 | Xe-130 | 2.59E-04 | 1.66E-04 | 2.62E-04 | 1.67E-04 | 1.1576 |
| 54 | 131 | 0 | Xe-131 | 4.07E-02 | 1.19E-03 | 4.12E-02 | 1.16E-03 | 1.1580 |
| 54 | 131 | 1 | Xe-131m | 4.57E-04 | 1.29E-04 | 4.62E-04 | 1.23E-04 | 1.1581 |
| 54 | 132 | 0 | Xe-132 | 4.85E-02 | 1.39E-03 | 4.90E-02 | 1.39E-03 | 1.1579 |
| 54 | 132 | 1 | Xe-132m | 1.13E-04 | 9.01E-05 | 1.14E-04 | 9.11E-05 | 1.1582 |
| 54 | 133 | 0 | Xe-133 | 5.49E-02 | 3.51E-02 | 5.55E-02 | 3.54E-02 | 1.1580 |
| 54 | 133 | 1 | Xe-133m | 2.94E-03 | 1.88E-03 | 2.98E-03 | 1.89E-03 | 1.1581 |
| 54 | 134 | 0 | Xe-134 | 5.67E-02 | 1.65E-03 | 5.73E-02 | 1.62E-03 | 1.1579 |
| 54 | 134 | 1 | Xe-134m | 4.28E-03 | 2.73E-03 | 3.93E-03 | 2.51E-03 | -8.2096 |
| 54 | 135 | 0 | Xe-135 | 5.62E-02 | 3.59E-03 | 5.68E-02 | 3.90E-03 | 1.1580 |
| 54 | 135 | 1 | Xe-135m | 1.88E-02 | 2.97E-03 | 1.90E-02 | 3.03E-03 | 1.1580 |
| 54 | 136 | 0 | Xe-136 | 5.04E-02 | 2.06E-03 | 5.10E-02 | 2.04E-03 | 1.1580 |
| 54 | 137 | 0 | Xe-137 | 3.95E-02 | 1.62E-03 | 3.99E-02 | 1.60E-03 | 1.1580 |
| 54 | 138 | 0 | Xe-138 | 3.14E-02 | 9.16E-04 | 3.18E-02 | 8.95E-04 | 1.1580 |
| 54 | 139 | 0 | Xe-139 | 2.04E-02 | 1.65E-03 | 2.07E-02 | 1.65E-03 | 1.1579 |
| 54 | 140 | 0 | Xe-140 | 9.28E-03 | 3.80E-04 | 9.38E-03 | 3.76E-04 | 1.1580 |
| 54 | 141 | 0 | Xe-141 | 2.61E-03 | 2.11E-04 | 2.64E-03 | 2.10E-04 | 1.1578 |
| 54 | 142 | 0 | Xe-142 | 9.08E-04 | 5.81E-04 | 9.18E-04 | 5.86E-04 | 1.1581 |
| 54 | 143 | 0 | Xe-143 | 8.75E-05 | 5.60E-05 | 1.76E-04 | 1.05E-04 | 101.6022 |
| 54 | 144 | 0 | Xe-144 | 1.81E-05 | 1.16E-05 | 1.84E-05 | 1.17E-05 | 1.1580 |
| 54 | 145 | 0 | Xe-145 | 1.40E-06 | 8.96E-07 | 1.42E-06 | 9.02E-07 | 1.1577 |
| 54 | 146 | 0 | Xe-146 | 6.02E-08 | 3.86E-08 | 6.09E-08 | 3.88E-08 | 1.1580 |
| 54 | 147 | 0 | Xe-147 | 6.05E-10 | 3.87E-10 | 6.12E-10 | 3.90E-10 | 1.1581 |
| 54 | 148 | 0 | Xe-148 | 2.60E-11 | 1.66E-11 | 2.63E-11 | 1.68E-11 | 1.1579 |
| 54 | 149 | 0 | Xe-149 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 54 | 150 | 0 | Xe-150 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 55 | 128 | 0 | Cs-128 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 55 | 129 | 0 | Cs-129 | 7.74E-12 | 4.95E-12 | 7.83E-12 | 4.99E-12 | 1.1580 |
| 55 | 130 | 0 | Cs-130 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 55 | 130 | 1 | Cs-130m | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 55 | 131 | 0 | Cs-131 | 1.09E-08 | 6.99E-09 | 1.10E-08 | 7.04E-09 | 1.1586 |
| 55 | 132 | 0 | Cs-132 | 4.34E-07 | 2.78E-07 | 4.39E-07 | 2.80E-07 | 1.1581 |
| 55 | 133 | 0 | Cs-133 | 5.49E-02 | 3.34E-03 | 5.55E-02 | 3.33E-03 | 1.1579 |
| 55 | 134 | 0 | Cs-134 | 9.02E-05 | 5.24E-05 | 9.12E-05 | 5.26E-05 | 1.1580 |
| 55 | 134 | 1 | Cs-134m | 5.54E-05 | 3.54E-05 | 5.60E-05 | 3.57E-05 | 1.1580 |
| 55 | 135 | 0 | Cs-135 | 5.68E-02 | 3.46E-03 | 5.75E-02 | 3.44E-03 | 1.1580 |
| 55 | 135 | 1 | Cs-135m | 3.46E-04 | 2.22E-04 | 3.50E-04 | 2.23E-04 | 1.1577 |
| 55 | 136 | 0 | Cs-136 | 1.60E-03 | 1.03E-03 | 1.62E-03 | 1.04E-03 | 1.1580 |
| 55 | 136 | 1 | Cs-136m | 1.28E-03 | 8.20E-04 | 1.30E-03 | 8.26E-04 | 1.1578 |
| 55 | 137 | 0 | Cs-137 | 4.89E-02 | 2.98E-03 | 4.95E-02 | 2.96E-03 | 1.1580 |
| 55 | 138 | 0 | Cs-138 | 4.27E-02 | 6.95E-03 | 4.32E-02 | 7.15E-03 | 1.1580 |
| 55 | 138 | 1 | Cs-138m | 9.79E-03 | 6.26E-03 | 9.90E-03 | 6.31E-03 | 1.1579 |
| 55 | 139 | 0 | Cs-139 | 4.39E-02 | 7.08E-03 | 4.44E-02 | 7.08E-03 | 1.1581 |
| 55 | 140 | 0 | Cs-140 | 3.51E-02 | 8.14E-03 | 3.55E-02 | 8.14E-03 | 1.1579 |
| 55 | 141 | 0 | Cs-141 | 2.44E-02 | 5.66E-03 | 2.47E-02 | 5.65E-03 | 1.1581 |
| 55 | 142 | 0 | Cs-142 | 1.40E-02 | 3.26E-03 | 1.42E-02 | 3.26E-03 | 1.1602 |
| 55 | 143 | 0 | Cs-143 | 5.70E-03 | 2.62E-03 | 5.85E-03 | 2.62E-03 | 2.6951 |
| 55 | 144 | 0 | Cs-144 | 1.49E-03 | 9.52E-04 | 1.50E-03 | 9.59E-04 | 1.1582 |
| 55 | 145 | 0 | Cs-145 | 2.86E-04 | 1.83E-04 | 2.89E-04 | 1.84E-04 | 1.1580 |
| 55 | 146 | 0 | Cs-146 | 3.29E-05 | 2.10E-05 | 3.33E-05 | 2.12E-05 | 1.1581 |
| 55 | 147 | 0 | Cs-147 | 1.44E-06 | 9.21E-07 | 1.46E-06 | 9.28E-07 | 1.1577 |
| 55 | 148 | 0 | Cs-148 | 1.05E-07 | 6.74E-08 | 1.06E-07 | 6.78E-08 | 1.1574 |
| 55 | 149 | 0 | Cs-149 | 1.24E-09 | 7.93E-10 | 1.25E-09 | 7.99E-10 | 1.1578 |
| 55 | 150 | 0 | Cs-150 | 4.98E-11 | 3.19E-11 | 5.04E-11 | 3.21E-11 | 1.1578 |

| | | | | | | | | |
|----|-----|---|---------|----------|----------|----------|----------|--------|
| 55 | 151 | 0 | Cs-151 | 5.95E-12 | 3.81E-12 | 6.02E-12 | 3.84E-12 | 1.1580 |
| 55 | 152 | 0 | Cs-152 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 56 | 131 | 0 | Ba-131 | 1.22E-14 | 7.83E-15 | 1.24E-14 | 7.92E-15 | 1.1578 |
| 56 | 131 | 1 | Ba-131m | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 56 | 132 | 0 | Ba-132 | 8.22E-09 | 5.26E-09 | 8.31E-09 | 5.32E-09 | 1.1579 |
| 56 | 133 | 0 | Ba-133 | 5.74E-09 | 3.68E-09 | 5.81E-09 | 3.72E-09 | 1.1580 |
| 56 | 133 | 1 | Ba-133m | 5.63E-09 | 4.51E-09 | 5.70E-09 | 4.56E-09 | 1.1581 |
| 56 | 134 | 0 | Ba-134 | 9.03E-05 | 5.78E-05 | 9.14E-05 | 5.82E-05 | 1.1581 |
| 56 | 135 | 0 | Ba-135 | 5.69E-02 | 3.47E-03 | 5.75E-02 | 3.44E-03 | 1.1581 |
| 56 | 135 | 1 | Ba-135m | 2.43E-06 | 1.55E-06 | 2.46E-06 | 1.57E-06 | 1.1580 |
| 56 | 136 | 0 | Ba-136 | 2.27E-03 | 6.43E-05 | 2.30E-03 | 6.64E-05 | 1.1580 |
| 56 | 136 | 1 | Ba-136m | 1.06E-03 | 6.81E-04 | 1.08E-03 | 6.89E-04 | 1.1579 |
| 56 | 137 | 0 | Ba-137 | 4.91E-02 | 1.44E-03 | 4.97E-02 | 1.40E-03 | 1.1580 |
| 56 | 137 | 1 | Ba-137m | 4.65E-02 | 1.90E-03 | 4.70E-02 | 1.89E-03 | 1.1581 |
| 56 | 138 | 0 | Ba-138 | 4.56E-02 | 2.78E-03 | 4.61E-02 | 2.76E-03 | 1.1580 |
| 56 | 139 | 0 | Ba-139 | 4.77E-02 | 2.90E-03 | 4.82E-02 | 2.89E-03 | 1.1580 |
| 56 | 140 | 0 | Ba-140 | 4.46E-02 | 1.30E-03 | 4.51E-02 | 1.27E-03 | 1.1581 |
| 56 | 141 | 0 | Ba-141 | 4.27E-02 | 6.88E-03 | 4.32E-02 | 6.88E-03 | 1.1579 |
| 56 | 142 | 0 | Ba-142 | 3.66E-02 | 5.91E-03 | 3.71E-02 | 5.91E-03 | 1.1627 |
| 56 | 143 | 0 | Ba-143 | 2.68E-02 | 6.23E-03 | 2.72E-02 | 6.22E-03 | 1.4800 |
| 56 | 144 | 0 | Ba-144 | 1.46E-02 | 3.37E-03 | 1.47E-02 | 3.37E-03 | 1.1578 |
| 56 | 145 | 0 | Ba-145 | 6.26E-03 | 2.84E-03 | 6.33E-03 | 2.84E-03 | 1.1581 |
| 56 | 146 | 0 | Ba-146 | 1.80E-03 | 1.15E-03 | 1.82E-03 | 1.16E-03 | 1.1582 |
| 56 | 147 | 0 | Ba-147 | 3.22E-04 | 2.06E-04 | 3.25E-04 | 2.08E-04 | 1.1579 |
| 56 | 148 | 0 | Ba-148 | 3.95E-05 | 2.53E-05 | 4.00E-05 | 2.55E-05 | 1.1579 |
| 56 | 149 | 0 | Ba-149 | 2.95E-06 | 1.89E-06 | 2.98E-06 | 1.90E-06 | 1.1579 |
| 56 | 150 | 0 | Ba-150 | 1.37E-07 | 8.77E-08 | 1.39E-07 | 8.83E-08 | 1.1583 |
| 56 | 151 | 0 | Ba-151 | 1.42E-08 | 9.06E-09 | 1.43E-08 | 9.13E-09 | 1.1581 |
| 56 | 152 | 0 | Ba-152 | 1.13E-10 | 7.24E-11 | 1.14E-10 | 7.30E-11 | 1.1577 |
| 56 | 153 | 0 | Ba-153 | 4.21E-12 | 2.70E-12 | 4.26E-12 | 2.72E-12 | 1.1581 |
| 56 | 154 | 0 | Ba-154 | 1.95E-14 | 1.25E-14 | 1.97E-14 | 1.25E-14 | 1.1581 |
| 57 | 133 | 0 | La-133 | 3.56E-13 | 2.28E-13 | 3.60E-13 | 2.30E-13 | 1.1579 |
| 57 | 134 | 0 | La-134 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 57 | 135 | 0 | La-135 | 1.36E-09 | 8.70E-10 | 1.38E-09 | 8.77E-10 | 1.1583 |
| 57 | 136 | 0 | La-136 | 3.61E-08 | 7.48E-09 | 3.65E-08 | 7.56E-09 | 1.1579 |
| 57 | 136 | 1 | La-136m | 2.67E-08 | 2.14E-08 | 2.70E-08 | 2.16E-08 | 1.1580 |
| 57 | 137 | 0 | La-137 | 6.57E-07 | 4.21E-07 | 6.65E-07 | 4.24E-07 | 1.1580 |
| 57 | 138 | 0 | La-138 | 7.33E-06 | 4.69E-06 | 7.42E-06 | 4.73E-06 | 1.1580 |
| 57 | 139 | 0 | La-139 | 4.77E-02 | 1.96E-03 | 4.83E-02 | 1.93E-03 | 1.1580 |
| 57 | 140 | 0 | La-140 | 4.49E-02 | 1.31E-03 | 4.55E-02 | 1.28E-03 | 1.1580 |
| 57 | 141 | 0 | La-141 | 4.45E-02 | 4.94E-03 | 4.50E-02 | 4.94E-03 | 1.1581 |
| 57 | 142 | 0 | La-142 | 4.16E-02 | 4.62E-03 | 4.21E-02 | 4.61E-03 | 1.1622 |
| 57 | 143 | 0 | La-143 | 3.72E-02 | 2.28E-03 | 3.77E-02 | 2.26E-03 | 1.3898 |
| 57 | 144 | 0 | La-144 | 2.93E-02 | 3.25E-03 | 2.97E-02 | 3.25E-03 | 1.1582 |
| 57 | 145 | 0 | La-145 | 2.16E-02 | 5.00E-03 | 2.18E-02 | 5.00E-03 | 1.1581 |
| 57 | 146 | 0 | La-146 | 4.18E-03 | 2.68E-03 | 4.23E-03 | 2.70E-03 | 1.1581 |
| 57 | 146 | 1 | La-146m | 8.36E-03 | 5.35E-03 | 8.46E-03 | 5.39E-03 | 1.1580 |
| 57 | 147 | 0 | La-147 | 5.12E-03 | 3.28E-03 | 5.18E-03 | 3.30E-03 | 1.1579 |
| 57 | 148 | 0 | La-148 | 1.52E-03 | 9.73E-04 | 1.54E-03 | 9.81E-04 | 1.1579 |
| 57 | 149 | 0 | La-149 | 2.90E-04 | 1.85E-04 | 2.93E-04 | 1.87E-04 | 1.1578 |
| 57 | 150 | 0 | La-150 | 3.54E-05 | 2.27E-05 | 3.59E-05 | 2.28E-05 | 1.1580 |
| 57 | 151 | 0 | La-151 | 3.17E-06 | 2.03E-06 | 3.20E-06 | 2.04E-06 | 1.1583 |
| 57 | 152 | 0 | La-152 | 2.08E-07 | 1.33E-07 | 2.10E-07 | 1.34E-07 | 1.1583 |
| 57 | 153 | 0 | La-153 | 1.00E-08 | 6.42E-09 | 1.01E-08 | 6.46E-09 | 1.1572 |
| 57 | 154 | 0 | La-154 | 2.58E-10 | 1.65E-10 | 2.61E-10 | 1.66E-10 | 1.1582 |
| 57 | 155 | 0 | La-155 | 6.72E-12 | 4.30E-12 | 6.80E-12 | 4.33E-12 | 1.1580 |
| 57 | 156 | 0 | La-156 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 57 | 157 | 0 | La-157 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 58 | 135 | 0 | Ce-135 | 1.08E-15 | 6.93E-16 | 1.10E-15 | 7.01E-16 | 1.1573 |
| 58 | 135 | 1 | Ce-135m | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 58 | 136 | 0 | Ce-136 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |

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|----|-----|---|---------|----------|----------|----------|----------|--------|
| 58 | 137 | 0 | Ce-137 | 6.01E-12 | 3.85E-12 | 6.08E-12 | 3.89E-12 | 1.1581 |
| 58 | 137 | 1 | Ce-137m | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 58 | 138 | 0 | Ce-138 | 2.53E-06 | 1.45E-06 | 2.56E-06 | 1.46E-06 | 1.1579 |
| 58 | 138 | 1 | Ce-138m | 4.45E-09 | 3.56E-09 | 4.50E-09 | 3.60E-09 | 1.1581 |
| 58 | 139 | 0 | Ce-139 | 1.16E-07 | 7.41E-08 | 1.17E-07 | 7.48E-08 | 1.1584 |
| 58 | 139 | 1 | Ce-139m | 9.51E-08 | 6.09E-08 | 9.62E-08 | 6.13E-08 | 1.1581 |
| 58 | 140 | 0 | Ce-140 | 4.49E-02 | 1.31E-03 | 4.55E-02 | 1.28E-03 | 1.1580 |
| 58 | 141 | 0 | Ce-141 | 4.45E-02 | 2.71E-03 | 4.50E-02 | 2.70E-03 | 1.1579 |
| 58 | 142 | 0 | Ce-142 | 4.17E-02 | 2.54E-03 | 4.22E-02 | 2.53E-03 | 1.1622 |
| 58 | 143 | 0 | Ce-143 | 3.78E-02 | 1.13E-03 | 3.83E-02 | 1.08E-03 | 1.3858 |
| 58 | 144 | 0 | Ce-144 | 3.15E-02 | 9.16E-04 | 3.18E-02 | 8.98E-04 | 1.1580 |
| 58 | 145 | 0 | Ce-145 | 2.67E-02 | 2.96E-03 | 2.70E-02 | 2.96E-03 | 1.1580 |
| 58 | 146 | 0 | Ce-146 | 2.10E-02 | 6.77E-03 | 2.12E-02 | 6.76E-03 | 1.1580 |
| 58 | 147 | 0 | Ce-147 | 1.39E-02 | 3.23E-03 | 1.41E-02 | 3.23E-03 | 1.1585 |
| 58 | 148 | 0 | Ce-148 | 7.97E-03 | 3.62E-03 | 8.07E-03 | 3.62E-03 | 1.1580 |
| 58 | 149 | 0 | Ce-149 | 3.31E-03 | 2.12E-03 | 3.35E-03 | 2.14E-03 | 1.1580 |
| 58 | 150 | 0 | Ce-150 | 9.64E-04 | 6.17E-04 | 9.75E-04 | 6.22E-04 | 1.1579 |
| 58 | 151 | 0 | Ce-151 | 1.28E-05 | 8.19E-06 | 1.29E-05 | 8.28E-06 | 1.1582 |
| 58 | 151 | 1 | Ce-151m | 1.68E-04 | 1.35E-04 | 1.70E-04 | 1.36E-04 | 1.1579 |
| 58 | 152 | 0 | Ce-152 | 3.62E-05 | 2.31E-05 | 3.66E-05 | 2.33E-05 | 1.1581 |
| 58 | 153 | 0 | Ce-153 | 4.56E-06 | 2.92E-06 | 4.61E-06 | 2.94E-06 | 1.1580 |
| 58 | 154 | 0 | Ce-154 | 3.08E-07 | 1.97E-07 | 3.11E-07 | 1.98E-07 | 1.1581 |
| 58 | 155 | 0 | Ce-155 | 1.60E-08 | 1.02E-08 | 1.62E-08 | 1.03E-08 | 1.1578 |
| 58 | 156 | 0 | Ce-156 | 6.34E-10 | 4.06E-10 | 6.42E-10 | 4.09E-10 | 1.1579 |
| 58 | 157 | 0 | Ce-157 | 1.66E-11 | 1.06E-11 | 1.68E-11 | 1.07E-11 | 1.1577 |
| 58 | 158 | 0 | Ce-158 | 3.16E-13 | 2.02E-13 | 3.19E-13 | 2.04E-13 | 1.1580 |
| 58 | 159 | 0 | Ce-159 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 58 | 160 | 0 | Ce-160 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 59 | 138 | 0 | Pr-138 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 59 | 138 | 1 | Pr-138m | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 59 | 139 | 0 | Pr-139 | 1.86E-11 | 1.19E-11 | 1.88E-11 | 1.20E-11 | 1.1584 |
| 59 | 140 | 0 | Pr-140 | 6.51E-10 | 4.17E-10 | 6.59E-10 | 4.20E-10 | 1.1580 |
| 59 | 141 | 0 | Pr-141 | 4.45E-02 | 1.82E-03 | 4.50E-02 | 1.80E-03 | 1.1581 |
| 59 | 142 | 0 | Pr-142 | 3.02E-07 | 1.63E-07 | 3.05E-07 | 1.65E-07 | 1.1580 |
| 59 | 142 | 1 | Pr-142m | 2.47E-07 | 1.58E-07 | 2.50E-07 | 1.59E-07 | 1.1577 |
| 59 | 143 | 0 | Pr-143 | 3.78E-02 | 1.13E-03 | 3.83E-02 | 1.08E-03 | 1.3862 |
| 59 | 144 | 0 | Pr-144 | 3.15E-02 | 9.17E-04 | 3.19E-02 | 8.99E-04 | 1.1580 |
| 59 | 144 | 1 | Pr-144m | 1.17E-04 | 2.70E-05 | 1.19E-04 | 2.73E-05 | 1.1580 |
| 59 | 145 | 0 | Pr-145 | 2.69E-02 | 1.64E-03 | 2.72E-02 | 1.63E-03 | 1.1578 |
| 59 | 146 | 0 | Pr-146 | 2.18E-02 | 5.06E-03 | 2.21E-02 | 5.06E-03 | 1.1581 |
| 59 | 147 | 0 | Pr-147 | 1.61E-02 | 9.78E-04 | 1.62E-02 | 9.73E-04 | 1.1580 |
| 59 | 148 | 0 | Pr-148 | 8.39E-03 | 5.37E-03 | 8.48E-03 | 5.41E-03 | 1.1580 |
| 59 | 148 | 1 | Pr-148m | 3.25E-03 | 2.08E-03 | 3.28E-03 | 2.09E-03 | 1.1581 |
| 59 | 149 | 0 | Pr-149 | 7.37E-03 | 3.34E-03 | 7.45E-03 | 3.34E-03 | 1.1580 |
| 59 | 150 | 0 | Pr-150 | 3.88E-03 | 1.76E-03 | 3.93E-03 | 1.76E-03 | 1.1579 |
| 59 | 151 | 0 | Pr-151 | 1.78E-03 | 1.14E-03 | 1.80E-03 | 1.16E-03 | 1.1579 |
| 59 | 152 | 0 | Pr-152 | 6.88E-04 | 4.40E-04 | 6.96E-04 | 4.44E-04 | 1.1580 |
| 59 | 153 | 0 | Pr-153 | 2.09E-04 | 1.34E-04 | 2.11E-04 | 1.35E-04 | 1.1577 |
| 59 | 154 | 0 | Pr-154 | 3.54E-05 | 2.27E-05 | 3.58E-05 | 2.28E-05 | 1.1580 |
| 59 | 155 | 0 | Pr-155 | 4.52E-06 | 2.89E-06 | 4.57E-06 | 2.92E-06 | 1.1579 |
| 59 | 156 | 0 | Pr-156 | 4.60E-07 | 2.95E-07 | 4.66E-07 | 2.96E-07 | 1.1580 |
| 59 | 157 | 0 | Pr-157 | 3.04E-08 | 1.94E-08 | 3.07E-08 | 1.96E-08 | 1.1580 |
| 59 | 158 | 0 | Pr-158 | 1.44E-09 | 9.21E-10 | 1.46E-09 | 9.28E-10 | 1.1580 |
| 59 | 159 | 0 | Pr-159 | 3.71E-11 | 2.38E-11 | 3.76E-11 | 2.39E-11 | 1.1578 |
| 59 | 160 | 0 | Pr-160 | 8.41E-13 | 5.38E-13 | 8.50E-13 | 5.42E-13 | 1.1580 |
| 59 | 161 | 0 | Pr-161 | 4.47E-14 | 2.86E-14 | 4.52E-14 | 2.88E-14 | 1.1581 |
| 59 | 162 | 0 | Pr-162 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 60 | 141 | 0 | Nd-141 | 4.87E-14 | 3.11E-14 | 4.92E-14 | 3.15E-14 | 1.1579 |
| 60 | 141 | 1 | Nd-141m | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 60 | 142 | 0 | Nd-142 | 3.02E-07 | 1.93E-07 | 3.05E-07 | 1.95E-07 | 1.1579 |
| 60 | 143 | 0 | Nd-143 | 3.78E-02 | 1.13E-03 | 3.83E-02 | 1.08E-03 | 1.3862 |

| | | | | | | | | |
|----|-----|---|----------|----------|----------|----------|----------|--------|
| 60 | 144 | 0 | Nd-144 | 3.15E-02 | 9.17E-04 | 3.19E-02 | 8.99E-04 | 1.1580 |
| 60 | 145 | 0 | Nd-145 | 2.69E-02 | 1.64E-03 | 2.72E-02 | 1.63E-03 | 1.1581 |
| 60 | 146 | 0 | Nd-146 | 2.18E-02 | 2.42E-03 | 2.21E-02 | 2.42E-03 | 1.1581 |
| 60 | 147 | 0 | Nd-147 | 1.61E-02 | 4.70E-04 | 1.63E-02 | 4.59E-04 | 1.1575 |
| 60 | 148 | 0 | Nd-148 | 1.19E-02 | 1.32E-03 | 1.20E-02 | 1.32E-03 | 1.1582 |
| 60 | 149 | 0 | Nd-149 | 8.06E-03 | 2.60E-03 | 8.15E-03 | 2.60E-03 | 1.1580 |
| 60 | 150 | 0 | Nd-150 | 5.07E-03 | 5.63E-04 | 5.13E-03 | 5.62E-04 | 1.1581 |
| 60 | 151 | 0 | Nd-151 | 3.32E-03 | 1.08E-03 | 3.36E-03 | 1.08E-03 | 1.1581 |
| 60 | 152 | 0 | Nd-152 | 2.13E-03 | 9.65E-04 | 2.15E-03 | 9.65E-04 | 1.1580 |
| 60 | 153 | 0 | Nd-153 | 1.26E-03 | 8.07E-04 | 1.28E-03 | 8.13E-04 | 1.1575 |
| 60 | 154 | 0 | Nd-154 | 4.66E-04 | 2.99E-04 | 4.72E-04 | 3.01E-04 | 1.1580 |
| 60 | 155 | 0 | Nd-155 | 1.34E-04 | 8.59E-05 | 1.36E-04 | 8.66E-05 | 1.1582 |
| 60 | 156 | 0 | Nd-156 | 3.29E-05 | 2.11E-05 | 3.33E-05 | 2.12E-05 | 1.1578 |
| 60 | 157 | 0 | Nd-157 | 5.29E-06 | 3.39E-06 | 5.35E-06 | 3.41E-06 | 1.1579 |
| 60 | 158 | 0 | Nd-158 | 6.09E-07 | 3.90E-07 | 6.16E-07 | 3.92E-07 | 1.1580 |
| 60 | 159 | 0 | Nd-159 | 3.93E-08 | 2.52E-08 | 3.98E-08 | 2.54E-08 | 1.1580 |
| 60 | 160 | 0 | Nd-160 | 2.21E-09 | 1.42E-09 | 2.24E-09 | 1.43E-09 | 1.1580 |
| 60 | 161 | 0 | Nd-161 | 1.06E-10 | 6.80E-11 | 1.07E-10 | 6.85E-11 | 1.1582 |
| 60 | 162 | 0 | Nd-162 | 2.65E-12 | 1.70E-12 | 2.68E-12 | 1.71E-12 | 1.1581 |
| 60 | 163 | 0 | Nd-163 | 5.52E-14 | 3.53E-14 | 5.58E-14 | 3.56E-14 | 1.1581 |
| 60 | 164 | 0 | Nd-164 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 61 | 144 | 0 | Pm-144 | 7.96E-12 | 5.09E-12 | 8.05E-12 | 5.13E-12 | 1.1580 |
| 61 | 145 | 0 | Pm-145 | 3.16E-10 | 2.02E-10 | 3.19E-10 | 2.04E-10 | 1.1580 |
| 61 | 146 | 0 | Pm-146 | 9.35E-09 | 5.98E-09 | 9.46E-09 | 6.03E-09 | 1.1580 |
| 61 | 147 | 0 | Pm-147 | 1.61E-02 | 4.70E-04 | 1.63E-02 | 4.59E-04 | 1.1581 |
| 61 | 148 | 0 | Pm-148 | 2.28E-08 | 1.46E-08 | 2.31E-08 | 1.48E-08 | 1.1579 |
| 61 | 148 | 1 | Pm-148m | 8.67E-08 | 5.55E-08 | 8.77E-08 | 5.59E-08 | 1.1579 |
| 61 | 149 | 0 | Pm-149 | 8.07E-03 | 1.87E-03 | 8.17E-03 | 1.87E-03 | 1.1580 |
| 61 | 150 | 0 | Pm-150 | 8.96E-06 | 5.74E-06 | 9.07E-06 | 5.78E-06 | 1.1580 |
| 61 | 151 | 0 | Pm-151 | 3.51E-03 | 5.75E-04 | 3.55E-03 | 5.72E-04 | 1.1580 |
| 61 | 152 | 0 | Pm-152 | 2.16E-03 | 5.01E-04 | 2.19E-03 | 5.01E-04 | 1.1580 |
| 61 | 152 | 1 | Pm-152m | 2.78E-04 | 1.78E-04 | 2.82E-04 | 1.79E-04 | 1.1581 |
| 61 | 152 | 2 | Pm-152m2 | 1.01E-04 | 6.49E-05 | 1.03E-04 | 6.54E-05 | 1.1580 |
| 61 | 153 | 0 | Pm-153 | 1.96E-03 | 6.33E-04 | 1.98E-03 | 6.33E-04 | 1.1580 |
| 61 | 154 | 0 | Pm-154 | 6.17E-04 | 3.95E-04 | 6.24E-04 | 3.99E-04 | 1.1580 |
| 61 | 154 | 1 | Pm-154m | 5.09E-04 | 3.26E-04 | 5.15E-04 | 3.30E-04 | 1.1579 |
| 61 | 155 | 0 | Pm-155 | 5.75E-04 | 3.68E-04 | 5.82E-04 | 3.71E-04 | 1.1580 |
| 61 | 156 | 0 | Pm-156 | 2.87E-04 | 1.84E-04 | 2.91E-04 | 1.85E-04 | 1.1582 |
| 61 | 157 | 0 | Pm-157 | 1.01E-04 | 6.45E-05 | 1.02E-04 | 6.49E-05 | 1.1578 |
| 61 | 158 | 0 | Pm-158 | 2.61E-05 | 1.67E-05 | 2.64E-05 | 1.68E-05 | 1.1582 |
| 61 | 159 | 0 | Pm-159 | 4.04E-06 | 2.59E-06 | 4.09E-06 | 2.60E-06 | 1.1581 |
| 61 | 160 | 0 | Pm-160 | 5.44E-07 | 3.48E-07 | 5.50E-07 | 3.51E-07 | 1.1580 |
| 61 | 161 | 0 | Pm-161 | 6.39E-08 | 4.09E-08 | 6.47E-08 | 4.12E-08 | 1.1580 |
| 61 | 162 | 0 | Pm-162 | 3.93E-09 | 2.52E-09 | 3.98E-09 | 2.53E-09 | 1.1581 |
| 61 | 163 | 0 | Pm-163 | 1.99E-10 | 1.27E-10 | 2.01E-10 | 1.28E-10 | 1.1578 |
| 61 | 164 | 0 | Pm-164 | 7.23E-12 | 4.62E-12 | 7.31E-12 | 4.66E-12 | 1.1579 |
| 61 | 165 | 0 | Pm-165 | 1.67E-13 | 1.07E-13 | 1.69E-13 | 1.08E-13 | 1.1580 |
| 61 | 166 | 0 | Pm-166 | 5.38E-15 | 3.45E-15 | 5.45E-15 | 3.47E-15 | 1.1580 |
| 62 | 146 | 0 | Sm-146 | 3.18E-09 | 2.04E-09 | 3.22E-09 | 2.06E-09 | 1.1579 |
| 62 | 147 | 0 | Sm-147 | 1.61E-02 | 4.70E-04 | 1.63E-02 | 4.59E-04 | 1.1581 |
| 62 | 148 | 0 | Sm-148 | 1.07E-07 | 6.86E-08 | 1.08E-07 | 6.91E-08 | 1.1580 |
| 62 | 149 | 0 | Sm-149 | 8.07E-03 | 1.30E-03 | 8.17E-03 | 1.30E-03 | 1.1580 |
| 62 | 150 | 0 | Sm-150 | 9.27E-06 | 5.93E-06 | 9.37E-06 | 5.97E-06 | 1.1579 |
| 62 | 151 | 0 | Sm-151 | 3.52E-03 | 2.93E-04 | 3.56E-03 | 2.87E-04 | 1.1580 |
| 62 | 152 | 0 | Sm-152 | 2.56E-03 | 2.84E-04 | 2.59E-03 | 2.84E-04 | 1.1579 |
| 62 | 153 | 0 | Sm-153 | 2.01E-03 | 3.18E-04 | 2.04E-03 | 3.22E-04 | 1.2356 |
| 62 | 153 | 1 | Sm-153m | 4.80E-05 | 3.84E-05 | 4.86E-05 | 3.89E-05 | 1.1580 |
| 62 | 154 | 0 | Sm-154 | 1.26E-03 | 2.91E-04 | 1.27E-03 | 2.91E-04 | 1.1580 |
| 62 | 155 | 0 | Sm-155 | 7.71E-04 | 1.79E-04 | 7.80E-04 | 1.79E-04 | 1.1581 |
| 62 | 156 | 0 | Sm-156 | 5.42E-04 | 8.74E-05 | 5.48E-04 | 8.73E-05 | 1.1580 |
| 62 | 157 | 0 | Sm-157 | 3.11E-04 | 1.41E-04 | 3.15E-04 | 1.41E-04 | 1.1577 |

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|----|-----|---|----------|----------|----------|----------|----------|--------|
| 62 | 158 | 0 | Sm-158 | 1.49E-04 | 9.56E-05 | 1.51E-04 | 9.64E-05 | 1.1582 |
| 62 | 159 | 0 | Sm-159 | 4.82E-05 | 3.08E-05 | 4.87E-05 | 3.11E-05 | 1.1580 |
| 62 | 160 | 0 | Sm-160 | 1.42E-05 | 9.09E-06 | 1.44E-05 | 9.16E-06 | 1.1583 |
| 62 | 161 | 0 | Sm-161 | 3.83E-06 | 2.45E-06 | 3.87E-06 | 2.47E-06 | 1.1581 |
| 62 | 162 | 0 | Sm-162 | 5.56E-07 | 3.56E-07 | 5.62E-07 | 3.58E-07 | 1.1580 |
| 62 | 163 | 0 | Sm-163 | 6.61E-08 | 4.23E-08 | 6.69E-08 | 4.26E-08 | 1.1580 |
| 62 | 164 | 0 | Sm-164 | 5.90E-09 | 3.78E-09 | 5.97E-09 | 3.81E-09 | 1.1581 |
| 62 | 165 | 0 | Sm-165 | 3.37E-10 | 2.15E-10 | 3.41E-10 | 2.17E-10 | 1.1579 |
| 62 | 166 | 0 | Sm-166 | 1.28E-11 | 8.19E-12 | 1.30E-11 | 8.26E-12 | 1.1582 |
| 62 | 167 | 0 | Sm-167 | 4.44E-13 | 2.84E-13 | 4.49E-13 | 2.86E-13 | 1.1581 |
| 62 | 168 | 0 | Sm-168 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 63 | 149 | 0 | Eu-149 | 4.66E-12 | 2.98E-12 | 4.71E-12 | 3.00E-12 | 1.1579 |
| 63 | 150 | 0 | Eu-150 | 1.34E-10 | 1.07E-10 | 1.36E-10 | 1.09E-10 | 1.1584 |
| 63 | 150 | 1 | Eu-150m | 1.71E-11 | 1.37E-11 | 1.73E-11 | 1.38E-11 | 1.1577 |
| 63 | 151 | 0 | Eu-151 | 3.52E-03 | 2.93E-04 | 3.56E-03 | 2.87E-04 | 1.1580 |
| 63 | 152 | 0 | Eu-152 | 4.80E-08 | 2.81E-08 | 4.86E-08 | 2.86E-08 | 1.1581 |
| 63 | 152 | 1 | Eu-152m | 1.03E-09 | 6.59E-10 | 1.04E-09 | 6.67E-10 | 1.1586 |
| 63 | 152 | 2 | Eu-152m2 | 3.15E-08 | 2.02E-08 | 3.19E-08 | 2.03E-08 | 1.1580 |
| 63 | 153 | 0 | Eu-153 | 2.01E-03 | 2.25E-04 | 2.04E-03 | 2.24E-04 | 1.2353 |
| 63 | 154 | 0 | Eu-154 | 2.99E-06 | 1.69E-06 | 3.02E-06 | 1.69E-06 | 1.1581 |
| 63 | 154 | 1 | Eu-154m | 1.96E-06 | 1.26E-06 | 1.99E-06 | 1.27E-06 | 1.1580 |
| 63 | 155 | 0 | Eu-155 | 7.81E-04 | 8.68E-05 | 7.90E-04 | 8.66E-05 | 1.1580 |
| 63 | 156 | 0 | Eu-156 | 5.74E-04 | 1.67E-05 | 5.81E-04 | 1.64E-05 | 1.1579 |
| 63 | 157 | 0 | Eu-157 | 3.72E-04 | 8.63E-05 | 3.76E-04 | 8.62E-05 | 1.1580 |
| 63 | 158 | 0 | Eu-158 | 2.27E-04 | 5.26E-05 | 2.29E-04 | 5.26E-05 | 1.1580 |
| 63 | 159 | 0 | Eu-159 | 1.09E-04 | 3.52E-05 | 1.10E-04 | 3.52E-05 | 1.1583 |
| 63 | 160 | 0 | Eu-160 | 5.52E-05 | 3.53E-05 | 5.59E-05 | 3.56E-05 | 1.1580 |
| 63 | 161 | 0 | Eu-161 | 2.87E-05 | 1.84E-05 | 2.91E-05 | 1.85E-05 | 1.1581 |
| 63 | 162 | 0 | Eu-162 | 8.78E-06 | 5.62E-06 | 8.89E-06 | 5.66E-06 | 1.1580 |
| 63 | 163 | 0 | Eu-163 | 2.28E-06 | 1.46E-06 | 2.31E-06 | 1.47E-06 | 1.1577 |
| 63 | 164 | 0 | Eu-164 | 4.72E-07 | 3.02E-07 | 4.78E-07 | 3.05E-07 | 1.1581 |
| 63 | 165 | 0 | Eu-165 | 6.42E-08 | 4.11E-08 | 6.49E-08 | 4.14E-08 | 1.1579 |
| 63 | 166 | 0 | Eu-166 | 5.95E-09 | 3.81E-09 | 6.02E-09 | 3.84E-09 | 1.1580 |
| 63 | 167 | 0 | Eu-167 | 5.05E-10 | 3.23E-10 | 5.11E-10 | 3.26E-10 | 1.1580 |
| 63 | 168 | 0 | Eu-168 | 2.65E-11 | 1.70E-11 | 2.68E-11 | 1.71E-11 | 1.1581 |
| 63 | 169 | 0 | Eu-169 | 1.26E-12 | 8.06E-13 | 1.27E-12 | 8.13E-13 | 1.1579 |
| 63 | 170 | 0 | Eu-170 | 2.40E-14 | 1.54E-14 | 2.43E-14 | 1.55E-14 | 1.1578 |
| 64 | 151 | 0 | Gd-151 | 4.03E-13 | 2.58E-13 | 4.08E-13 | 2.60E-13 | 1.1579 |
| 64 | 152 | 0 | Gd-152 | 1.42E-08 | 9.06E-09 | 1.43E-08 | 9.17E-09 | 1.1582 |
| 64 | 153 | 0 | Gd-153 | 4.29E-10 | 2.74E-10 | 4.34E-10 | 2.76E-10 | 1.1579 |
| 64 | 154 | 0 | Gd-154 | 2.99E-06 | 1.92E-06 | 3.03E-06 | 1.93E-06 | 1.1581 |
| 64 | 155 | 0 | Gd-155 | 7.81E-04 | 8.68E-05 | 7.90E-04 | 8.66E-05 | 1.1582 |
| 64 | 155 | 1 | Gd-155m | 4.92E-08 | 3.94E-08 | 4.98E-08 | 3.98E-08 | 1.1581 |
| 64 | 156 | 0 | Gd-156 | 5.75E-04 | 1.68E-05 | 5.81E-04 | 1.64E-05 | 1.1581 |
| 64 | 157 | 0 | Gd-157 | 3.74E-04 | 4.16E-05 | 3.79E-04 | 4.15E-05 | 1.1580 |
| 64 | 158 | 0 | Gd-158 | 2.33E-04 | 2.59E-05 | 2.36E-04 | 2.58E-05 | 1.1634 |
| 64 | 159 | 0 | Gd-159 | 1.20E-04 | 1.33E-05 | 1.22E-04 | 1.33E-05 | 1.1588 |
| 64 | 160 | 0 | Gd-160 | 7.13E-05 | 7.92E-06 | 7.22E-05 | 7.91E-06 | 1.1579 |
| 64 | 161 | 0 | Gd-161 | 4.99E-05 | 8.05E-06 | 5.05E-05 | 8.05E-06 | 1.1579 |
| 64 | 162 | 0 | Gd-162 | 2.39E-05 | 1.08E-05 | 2.42E-05 | 1.08E-05 | 1.1581 |
| 64 | 163 | 0 | Gd-163 | 1.10E-05 | 7.03E-06 | 1.11E-05 | 7.08E-06 | 1.1580 |
| 64 | 164 | 0 | Gd-164 | 4.54E-06 | 2.91E-06 | 4.59E-06 | 2.92E-06 | 1.1579 |
| 64 | 165 | 0 | Gd-165 | 1.32E-06 | 8.48E-07 | 1.34E-06 | 8.58E-07 | 1.1581 |
| 64 | 166 | 0 | Gd-166 | 2.79E-07 | 1.78E-07 | 2.82E-07 | 1.80E-07 | 1.1581 |
| 64 | 167 | 0 | Gd-167 | 5.56E-08 | 3.56E-08 | 5.62E-08 | 3.58E-08 | 1.1581 |
| 64 | 168 | 0 | Gd-168 | 6.99E-09 | 4.48E-09 | 7.08E-09 | 4.51E-09 | 1.1580 |
| 64 | 169 | 0 | Gd-169 | 8.10E-10 | 5.19E-10 | 8.20E-10 | 5.22E-10 | 1.1581 |
| 64 | 170 | 0 | Gd-170 | 3.82E-11 | 2.45E-11 | 3.87E-11 | 2.46E-11 | 1.1580 |
| 64 | 171 | 0 | Gd-171 | 1.79E-12 | 1.14E-12 | 1.81E-12 | 1.15E-12 | 1.1580 |
| 64 | 172 | 0 | Gd-172 | 9.74E-14 | 6.23E-14 | 9.85E-14 | 6.28E-14 | 1.1580 |
| 65 | 154 | 0 | Tb-154 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |

| | | | | | | | | |
|----|-----|---|----------|----------|----------|----------|----------|----------|
| 65 | 154 | 1 | Tb-154m | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 65 | 154 | 2 | Tb-154m2 | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 65 | 155 | 0 | Tb-155 | 3.09E-11 | 1.98E-11 | 3.12E-11 | 1.99E-11 | 1.1578 |
| 65 | 156 | 0 | Tb-156 | 2.36E-10 | 1.51E-10 | 6.01E-10 | 3.85E-10 | 154.7693 |
| 65 | 156 | 1 | Tb-156m | 1.08E-12 | 6.92E-13 | 1.10E-11 | 7.02E-12 | 919.4819 |
| 65 | 156 | 2 | Tb-156m2 | 4.34E-10 | 3.47E-10 | 4.39E-10 | 3.51E-10 | 1.1580 |
| 65 | 157 | 0 | Tb-157 | 7.17E-09 | 4.59E-09 | 7.25E-09 | 4.62E-09 | 1.1589 |
| 65 | 158 | 0 | Tb-158 | 3.63E-08 | 2.33E-08 | 5.13E-08 | 3.28E-08 | 41.1137 |
| 65 | 158 | 1 | Tb-158m | 9.03E-11 | 5.78E-11 | 9.21E-10 | 5.87E-10 | 919.4810 |
| 65 | 158 | 2 | Tb-158m2 | 3.48E-08 | 2.78E-08 | 3.52E-08 | 2.81E-08 | 1.1581 |
| 65 | 159 | 0 | Tb-159 | 1.20E-04 | 9.74E-06 | 1.22E-04 | 9.71E-06 | 1.1584 |
| 65 | 160 | 0 | Tb-160 | 2.09E-07 | 1.34E-07 | 2.12E-07 | 1.35E-07 | 1.1579 |
| 65 | 161 | 0 | Tb-161 | 5.22E-05 | 4.22E-06 | 5.28E-05 | 4.21E-06 | 1.1580 |
| 65 | 162 | 0 | Tb-162 | 2.75E-05 | 6.21E-06 | 2.78E-05 | 6.33E-06 | 1.1580 |
| 65 | 163 | 0 | Tb-163 | 1.54E-05 | 3.58E-06 | 1.56E-05 | 3.58E-06 | 1.1580 |
| 65 | 164 | 0 | Tb-164 | 9.04E-06 | 2.10E-06 | 9.14E-06 | 2.10E-06 | 1.1580 |
| 65 | 165 | 0 | Tb-165 | 4.35E-06 | 2.79E-06 | 4.40E-06 | 2.81E-06 | 1.1581 |
| 65 | 166 | 0 | Tb-166 | 1.72E-06 | 1.10E-06 | 1.74E-06 | 1.11E-06 | 1.1583 |
| 65 | 167 | 0 | Tb-167 | 7.03E-07 | 4.50E-07 | 7.11E-07 | 4.53E-07 | 1.1580 |
| 65 | 168 | 0 | Tb-168 | 1.95E-07 | 1.25E-07 | 1.97E-07 | 1.25E-07 | 1.1578 |
| 65 | 169 | 0 | Tb-169 | 5.18E-08 | 3.32E-08 | 5.24E-08 | 3.34E-08 | 1.1581 |
| 65 | 170 | 0 | Tb-170 | 5.79E-09 | 3.70E-09 | 5.85E-09 | 3.73E-09 | 1.1581 |
| 65 | 171 | 0 | Tb-171 | 6.40E-10 | 4.10E-10 | 6.47E-10 | 4.12E-10 | 1.1580 |
| 65 | 172 | 0 | Tb-172 | 8.54E-11 | 5.46E-11 | 8.63E-11 | 5.50E-11 | 1.1581 |
| 66 | 157 | 0 | Dy-157 | 1.32E-14 | 8.45E-15 | 7.46E-14 | 4.78E-14 | 465.1281 |
| 66 | 157 | 1 | Dy-157m | 0.00E+00 | 0.00E+00 | 0.00E+00 | 0.00E+00 | - |
| 66 | 158 | 0 | Dy-158 | 6.07E-09 | 3.89E-09 | 8.55E-09 | 5.26E-09 | 40.8471 |
| 66 | 159 | 0 | Dy-159 | 4.33E-10 | 2.77E-10 | 4.38E-10 | 2.79E-10 | 1.1579 |
| 66 | 160 | 0 | Dy-160 | 2.13E-07 | 1.36E-07 | 2.16E-07 | 1.38E-07 | 1.1582 |
| 66 | 161 | 0 | Dy-161 | 5.22E-05 | 4.23E-06 | 5.28E-05 | 4.21E-06 | 1.1580 |
| 66 | 162 | 0 | Dy-162 | 2.76E-05 | 3.07E-06 | 2.79E-05 | 3.06E-06 | 1.1581 |
| 66 | 163 | 0 | Dy-163 | 1.57E-05 | 1.75E-06 | 1.59E-05 | 1.74E-06 | 1.1581 |
| 66 | 164 | 0 | Dy-164 | 9.68E-06 | 1.08E-06 | 9.80E-06 | 1.07E-06 | 1.1580 |
| 66 | 165 | 0 | Dy-165 | 5.21E-06 | 1.22E-06 | 5.27E-06 | 1.22E-06 | 1.1579 |
| 66 | 165 | 1 | Dy-165m | 3.85E-06 | 2.15E-06 | 3.90E-06 | 2.18E-06 | 1.1578 |
| 66 | 166 | 0 | Dy-166 | 2.69E-06 | 2.17E-07 | 2.73E-06 | 2.17E-07 | 1.1582 |
| 66 | 167 | 0 | Dy-167 | 1.65E-06 | 7.52E-07 | 1.67E-06 | 7.51E-07 | 1.1581 |
| 66 | 168 | 0 | Dy-168 | 7.94E-07 | 5.08E-07 | 8.03E-07 | 5.12E-07 | 1.1581 |
| 66 | 169 | 0 | Dy-169 | 4.11E-07 | 2.63E-07 | 4.16E-07 | 2.66E-07 | 1.1580 |
| 66 | 170 | 0 | Dy-170 | 9.73E-08 | 6.23E-08 | 9.84E-08 | 6.27E-08 | 1.1580 |
| 66 | 171 | 0 | Dy-171 | 2.36E-08 | 1.51E-08 | 2.38E-08 | 1.52E-08 | 1.1584 |
| 66 | 172 | 0 | Dy-172 | 7.31E-09 | 4.68E-09 | 7.40E-09 | 4.72E-09 | 1.1581 |
| 67 | 160 | 0 | Ho-160 | 2.06E-12 | 7.27E-13 | 2.09E-12 | 7.35E-13 | 1.1583 |
| 67 | 160 | 1 | Ho-160m | 2.00E-13 | 1.60E-13 | 2.03E-13 | 1.62E-13 | 1.1578 |
| 67 | 160 | 2 | Ho-160m2 | 1.02E-12 | 8.19E-13 | 1.04E-12 | 8.28E-13 | 1.1576 |
| 67 | 161 | 0 | Ho-161 | 3.03E-11 | 1.94E-11 | 3.07E-11 | 1.94E-11 | 1.1583 |
| 67 | 161 | 1 | Ho-161m | 2.33E-12 | 1.49E-12 | 2.36E-12 | 1.50E-12 | 1.1576 |
| 67 | 162 | 0 | Ho-162 | 1.95E-10 | 1.25E-10 | 1.97E-10 | 1.26E-10 | 1.1577 |
| 67 | 162 | 1 | Ho-162m | 2.32E-10 | 1.48E-10 | 2.35E-10 | 1.50E-10 | 1.1577 |
| 67 | 163 | 0 | Ho-163 | 1.87E-09 | 1.19E-09 | 1.89E-09 | 1.19E-09 | 1.1578 |
| 67 | 163 | 1 | Ho-163m | 1.44E-10 | 9.20E-11 | 1.45E-10 | 9.27E-11 | 1.1582 |
| 67 | 164 | 0 | Ho-164 | 1.01E-08 | 6.49E-09 | 1.03E-08 | 6.53E-09 | 1.1573 |
| 67 | 164 | 1 | Ho-164m | 8.31E-09 | 5.32E-09 | 8.40E-09 | 5.36E-09 | 1.1579 |
| 67 | 165 | 0 | Ho-165 | 5.34E-06 | 5.93E-07 | 5.40E-06 | 5.92E-07 | 1.1555 |
| 67 | 166 | 0 | Ho-166 | 2.71E-06 | 2.19E-07 | 2.74E-06 | 2.19E-07 | 1.1582 |
| 67 | 166 | 1 | Ho-166m | 6.60E-08 | 4.22E-08 | 6.68E-08 | 4.26E-08 | 1.1581 |
| 67 | 167 | 0 | Ho-167 | 1.84E-06 | 4.26E-07 | 1.86E-06 | 4.26E-07 | 1.1584 |
| 67 | 168 | 0 | Ho-168 | 9.84E-07 | 2.52E-07 | 1.01E-06 | 2.46E-07 | 2.4368 |
| 67 | 168 | 1 | Ho-168m | 1.86E-07 | 1.49E-07 | 1.89E-07 | 1.51E-07 | 1.1581 |
| 67 | 169 | 0 | Ho-169 | 7.37E-07 | 1.71E-07 | 7.45E-07 | 1.71E-07 | 1.1580 |
| 67 | 170 | 0 | Ho-170 | 1.46E-07 | 9.36E-08 | 1.48E-07 | 9.47E-08 | 1.1577 |

| | | | | | | | | |
|----|-----|---|---------|----------|----------|----------|----------|----------|
| 67 | 170 | 1 | Ho-170m | 1.30E-07 | 8.30E-08 | 1.31E-07 | 8.39E-08 | 1.1579 |
| 67 | 171 | 0 | Ho-171 | 1.19E-07 | 7.64E-08 | 1.21E-07 | 7.68E-08 | 1.1579 |
| 67 | 172 | 0 | Ho-172 | 7.44E-08 | 4.76E-08 | 7.53E-08 | 4.80E-08 | 1.1579 |
| 68 | 163 | 0 | Er-163 | 1.17E-12 | 7.50E-13 | 1.18E-12 | 7.55E-13 | 1.1586 |
| 68 | 164 | 0 | Er-164 | 4.07E-09 | 2.61E-09 | 4.12E-09 | 2.64E-09 | 1.1580 |
| 68 | 165 | 0 | Er-165 | 1.34E-10 | 8.58E-11 | 1.36E-10 | 8.64E-11 | 1.1575 |
| 68 | 166 | 0 | Er-166 | 2.78E-06 | 2.24E-07 | 2.81E-06 | 2.24E-07 | 1.1581 |
| 68 | 167 | 0 | Er-167 | 1.84E-06 | 2.04E-07 | 1.86E-06 | 2.04E-07 | 1.1581 |
| 68 | 167 | 1 | Er-167m | 2.21E-07 | 9.05E-08 | 2.23E-07 | 9.16E-08 | 1.1576 |
| 68 | 168 | 0 | Er-168 | 9.98E-07 | 1.38E-07 | 1.02E-06 | 1.27E-07 | 2.4190 |
| 68 | 169 | 0 | Er-169 | 7.74E-07 | 6.27E-08 | 7.83E-07 | 6.25E-08 | 1.1580 |
| 68 | 170 | 0 | Er-170 | 3.22E-07 | 3.57E-08 | 3.25E-07 | 3.57E-08 | 1.1583 |
| 68 | 171 | 0 | Er-171 | 1.71E-07 | 7.79E-08 | 1.73E-07 | 7.78E-08 | 1.1583 |
| 68 | 172 | 0 | Er-172 | 1.53E-07 | 2.48E-08 | 1.55E-07 | 2.48E-08 | 1.1576 |
| 69 | 166 | 0 | Tm-166 | 5.21E-13 | 3.33E-13 | 5.52E-13 | 3.53E-13 | 6.0068 |
| 69 | 166 | 1 | Tm-166m | 5.14E-13 | 4.11E-13 | 5.20E-13 | 4.16E-13 | 1.1580 |
| 69 | 167 | 0 | Tm-167 | 8.55E-12 | 5.47E-12 | 8.64E-12 | 5.51E-12 | 1.1580 |
| 69 | 168 | 0 | Tm-168 | 6.68E-11 | 4.28E-11 | 6.76E-11 | 4.31E-11 | 1.1581 |
| 69 | 169 | 0 | Tm-169 | 7.74E-07 | 6.26E-08 | 7.83E-07 | 6.25E-08 | 1.1580 |
| 69 | 170 | 0 | Tm-170 | 1.36E-09 | 8.70E-10 | 1.38E-09 | 8.77E-10 | 1.1583 |
| 69 | 171 | 0 | Tm-171 | 1.75E-07 | 4.05E-08 | 1.77E-07 | 4.05E-08 | 1.1580 |
| 69 | 172 | 0 | Tm-172 | 1.64E-07 | 2.64E-08 | 1.66E-07 | 2.64E-08 | 1.1582 |
| 70 | 168 | 0 | Yb-168 | 3.97E-14 | 2.23E-14 | 4.02E-14 | 2.24E-14 | 1.1580 |
| 70 | 169 | 0 | Yb-169 | 6.56E-13 | 3.74E-13 | 5.75E-13 | 3.64E-13 | -12.3414 |
| 70 | 169 | 1 | Yb-169m | 8.76E-14 | 5.18E-14 | 4.43E-14 | 2.82E-14 | -49.4210 |
| 70 | 170 | 0 | Yb-170 | 1.36E-09 | 8.72E-10 | 1.38E-09 | 8.77E-10 | 1.1578 |
| 70 | 171 | 0 | Yb-171 | 1.75E-07 | 1.94E-08 | 1.77E-07 | 1.94E-08 | 1.1578 |
| 70 | 171 | 1 | Yb-171m | 2.30E-11 | 1.84E-11 | 2.33E-11 | 1.86E-11 | 1.1583 |
| 70 | 172 | 0 | Yb-172 | 1.64E-07 | 1.34E-08 | 1.66E-07 | 1.33E-08 | 1.1581 |
| 71 | 172 | 0 | Lu-172 | 3.06E-13 | 1.96E-13 | 3.09E-13 | 1.97E-13 | 1.1580 |
| 71 | 172 | 1 | Lu-172m | 1.53E-13 | 9.78E-14 | 1.55E-13 | 9.86E-14 | 1.1580 |