

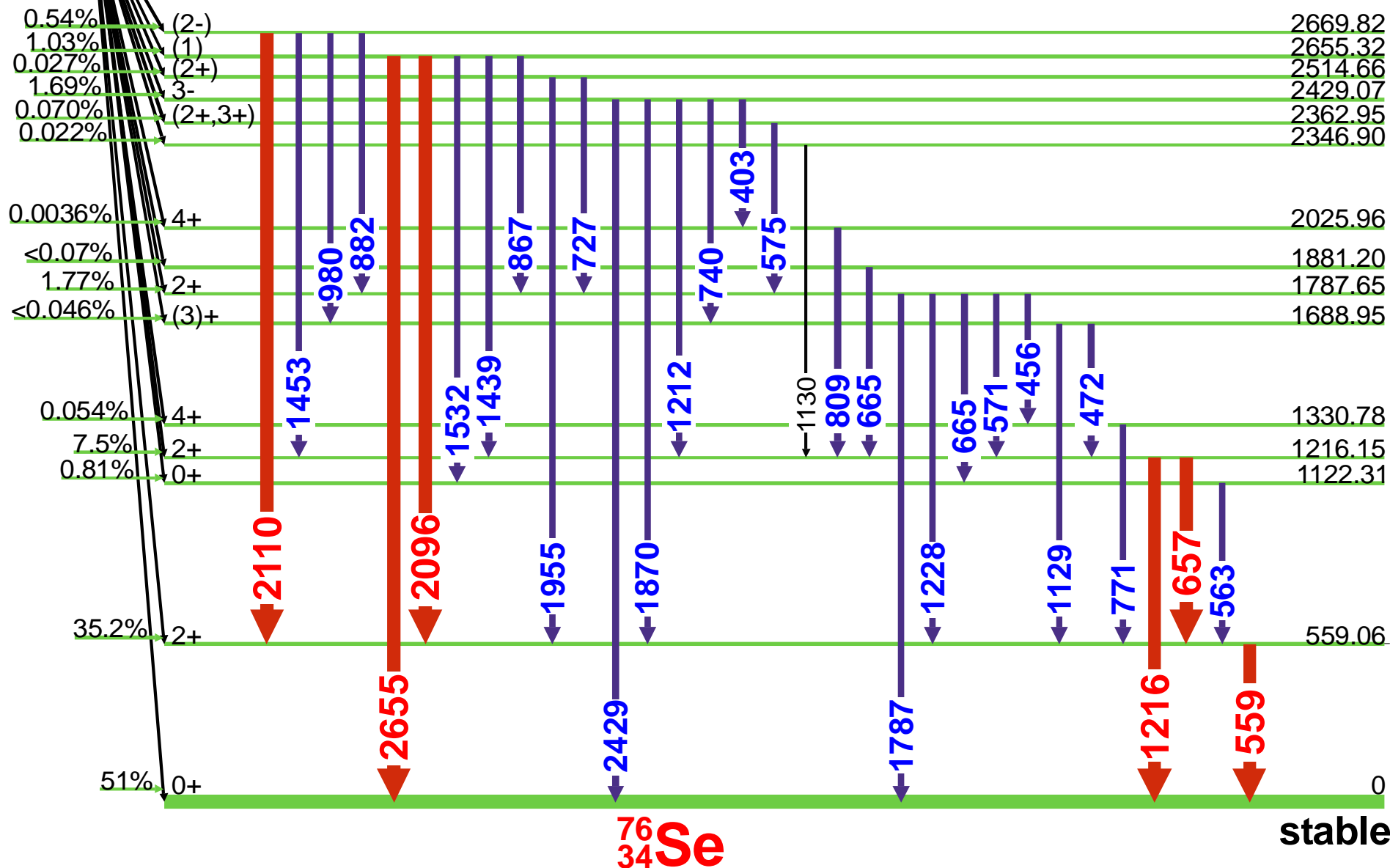
^{76}As (1.07 day) Decay Scheme

1.07 day

2- 0

 $^{76}_{33}\text{As}$

Q=2962.0



GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: ^{76}As E_γ , σE_γ , I_γ , σI_γ - 1998 ENSDF Data

Half Life: 1.0778(20) day

Detector: 55 cm³ coaxial Ge (Li)Method of Production: $^{75}\text{As}(n,\gamma)$

| E_γ (keV) | σE_γ | I_γ (rel) | I_γ (%) | σI_γ | S |
|------------------|-------------------|------------------|----------------|-------------------|---|
| 302.20 | 0.20 | | 0.0090 | 0.0014 | 4 |
| 358.4 | 0.7 | | 0.0135 | 0.0006 | 4 |
| 403.20 | 0.20 | 0.08 | 0.0234 | 0.0017 | 4 |
| 437.3 | 1.0 | | 0.0014 | 0.0005 | 4 |
| 456.90 | 0.10 | 0.32 | 0.036 | 0.003 | 4 |
| 463.6 | 0.7 | | 0.0009 | 0.0005 | 4 |
| 466.5 | 1.0 | | 0.005 | 0.004 | 4 |
| 472.80 | 0.10 | 0.48 | 0.050 | 0.005 | 4 |
| 484.8 | 0.3 | | 0.0059 | 0.0014 | 4 |
| 559.10 | 0.05 | 100 | 45.0 | 2.0 | 1 |
| 563.23 | 0.05 | 2.7 | 1.20 | 0.09 | 3 |
| 571.50 | 0.10 | 0.39 | 0.140 | 0.011 | 4 |
| 575.30 | 0.05 | 0.18 | 0.068 | 0.006 | 4 |
| 602.5 | 0.4 | | 0.0009 | 0.0005 | 4 |
| 639.5 | 1.0 | | 0.0036 | 0.0014 | 4 |
| 657.05 | 0.05 | 14.0 | 6.2 | 0.5 | 1 |
| 665.0 | 1.0 | 0.96 | 0.04 | 0.04 | 3 |
| 665.34 | 0.05 | | 0.36 | 0.04 | |
| 695.20 | 0.10 | | 0.0090 | 0.0010 | 4 |
| 727.00 | 0.07 | 0.08 | 0.0185 | 0.0016 | 4 |
| 740.10 | 0.05 | 0.27 | 0.117 | 0.011 | 4 |
| 755.0 | 0.5 | | 0.0005 | 0.0005 | 4 |
| 771.74 | 0.05 | 0.27 | 0.122 | 0.011 | 4 |
| 776.5 | 0.5 | | 0.0009 | 0.0005 | 4 |
| 797.0 | 0.4 | | 0.005 | 0.004 | 4 |
| 809.80 | 0.10 | 0.03 | 0.0171 | 0.0012 | 4 |
| 852.8 | 1.0 | | 0.0023 | 0.0014 | 4 |
| 857.0 | 0.8 | | 0.0009 | 0.0009 | 4 |
| 863.8 | 0.4 | | 0.0113 | 0.0011 | 4 |
| 867.64 | 0.08 | 0.28 | 0.131 | 0.011 | 4 |
| 882.13 | 0.05 | 0.14 | 0.059 | 0.006 | 4 |
| 907.5 | 0.4 | | 0.0018 | 0.0014 | 4 |

| E_γ (keV) | σE_γ | I_γ (rel) | I_γ (%) | σI_γ | S |
|------------------|-------------------|------------------|----------------|-------------------|---|
| 921.6 | 0.4 | | 0.0009 | 0.0005 | 4 |
| 954.6 | 0.3 | | 0.0018 | 0.0014 | 4 |
| 957.6 | 0.5 | | 0.0018 | 0.0009 | 4 |
| 980.90 | 0.10 | 0.09 | 0.041 | 0.003 | 4 |
| 1030.6 | 1.0 | | 0.0009 | 0.0005 | 4 |
| 1060.6 | 0.3 | | 0.0018 | 0.0005 | 4 |
| 1098.20 | 0.20 | | 0.0036 | 0.0005 | 4 |
| 1129.87 | 0.05 | 0.34 | 0.126 | 0.015 | 4 |
| 1130.0 | 1.0 | | 0.018 | 0.014 | 4 |
| 1212.92 | 0.05 | 3.4 | 1.44 | 0.11 | 2 |
| 1216.08 | 0.05 | 7.2 | 3.42 | 0.24 | 1 |
| 1228.52 | 0.05 | 2.6 | 1.22 | 0.11 | 2 |
| 1393.0 | 2.0 | | | | 4 |
| 1439.10 | 0.05 | 0.62 | 0.279 | 0.19 | 3 |
| 1453.62 | 0.05 | 0.29 | 0.108 | 0.11 | 4 |
| 1467.0 | 1.0 | | 0.0009 | 0.0005 | 4 |
| 1532.80 | 0.20 | 0.10 | 0.0243 | 0.0018 | 4 |
| 1563.0 | 1.0 | | 0.0018 | 0.0005 | 4 |
| 1567.90 | 0.10 | | 0.0077 | 0.0006 | 4 |
| 1611.2 | 0.4 | | 0.0077 | 0.0006 | 4 |
| 1787.66 | 0.08 | 0.73 | 0.293 | 0.023 | 3 |
| 1805.0 | 2.0 | | 0.0014 | 0.0009 | 4 |
| 1870.00 | 0.05 | 0.28 | 0.054 | 0.006 | 4 |
| 1881.3 | 0.4 | | 0.0009 | 0.0005 | 4 |
| 1955.7 | 0.3 | 0.04 | 0.0090 | 0.0010 | 4 |
| 2096.30 | 0.05 | 1.3 | 0.55 | 0.04 | 1 |
| 2110.80 | 0.05 | 0.76 | 0.33 | 0.03 | 1 |
| 2127.0 | 0.5 | | 0.0014 | 0.0005 | 4 |
| 2429.00 | 0.08 | 0.10 | 0.032 | 0.003 | 2 |
| 2655.30 | 0.08 | 0.10 | 0.044 | 0.003 | 1 |
| 2669.7 | 0.5 | | 0.0003 | 0.0000 | 4 |