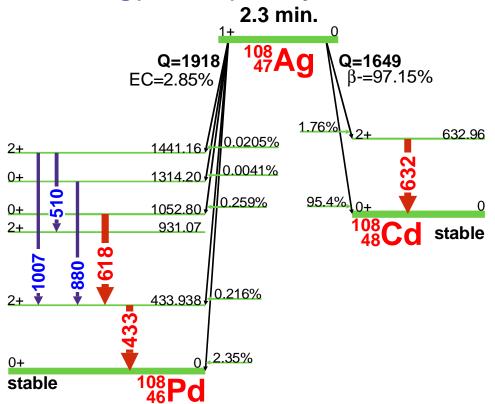






## <sup>108</sup>Ag(2.3 min.) Decay Scheme



## **GAMMA-RAY ENERGIES AND INTENSITIES**

Nuclide:  $^{108}$ Ag Half Life: 2.37(1) min. Detector: 2.5 cm<sup>2</sup> x 8 mm Ge (Li) Method of Production:  $^{107}$ Ag(n, $\gamma$ )

|      | $E_{\gamma}$ (keV) | $\sigma  E_\gamma$ | l <sub>γ</sub> (rel) | l <sub>γ</sub> (%) | $\sigma$ l $_{\gamma}$ | S |
|------|--------------------|--------------------|----------------------|--------------------|------------------------|---|
| Ann. | 383.2              | 1.0                |                      | 0.0009             | 0.0003                 | 4 |
|      | 388.6              | 0.4                |                      | 0.0019             | 0.0006                 | 4 |
|      | 433.937            | 0.004              | 28.3                 | 0.50               |                        | 1 |
|      | 497.10             | 0.20               |                      | 0.0023             | 0.0005                 | 4 |
|      | 510.10             | 0.20               |                      | 0.0035             |                        | 1 |
|      | 511.006            |                    |                      | 0.0160             | 0.0011                 |   |
|      | 618.86             | 0.05               | 52.5                 | 0.262              | 0.014                  | 1 |
|      | 632.98             | 0.05               | 100                  | 1.71               | 0.10                   | 1 |
|      | 880.26             | 0.10               | 0.17                 | 0.0032             | 0.0003                 | 3 |
|      | 931.12             | 0.20               |                      | 0.00055            | 0.00005                | 4 |
|      | 1007.22            | 0.06               | 0.81                 | 0.0139             | 0.0007                 | 2 |
|      | 1106.00            | 0.07               |                      | 0.00165            | 0.00014                | 4 |
|      | 1441.14            | 0.10               |                      | 0.00305            | 0.00020                | 4 |
|      | 1540.00            | 0.20               |                      | 0.00105            | 0.00011                | 4 |

 $E_{\gamma},~\sigma E_{\gamma},~I_{\gamma},~\sigma I_{\gamma}$  - 1998 ENSDF Data



