

## <sup>99</sup>Cd

The first observation of <sup>99</sup>Cd was discussed in the 1978 publication of “Beta-Delayed Proton Emission from <sup>97</sup>Cd and <sup>99</sup>Cd” by Elmroth et al. ([1978EI09](#)). A 115 g/cm<sup>2</sup> natural tin target was bombarded by 600 MeV protons from CERN’s synchro-cyclotron forming <sup>99</sup>Cd in spallation reactions. The isotopes were separated and identified with the ISOLDE electromagnetic isotope separator. “Two new beta-delayed proton precursors, <sup>97</sup>Cd and <sup>99</sup>Cd, have been identified at the ISOLDE on-line isotope separator.” The half-life of <sup>99</sup>Cd was measured to be 16(3) s.

Adapted from reference ([2010Am04](#))

[1978EI09](#) T. Elmroth, E. Hagberg, P. G. Hansen, J. C. Hardy *et al.*, Nucl. Phys. A **304**, 493 (1978).

[2010Am04](#) S. Amos and M. Thoennessen, At. Data Nucl. Data Tables **96**, 855 (2010).

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