

^{120}Ag

In 1971, Fogelberg et al. reported the first observation of ^{120}Ag in “Energy Levels in $^{114,116,118,120,122}\text{Cd}$ as observed in the beta decay of Ag isotopes” (1971Fo22). ^{120}Ag was produced via thermal neutron fission in a uranium target at the Studsvik R2-0 reactor and separated with the OSIRIS on-line mass-separator facility. Gamma-ray singles and coincidences were measured with Ge(Li) detectors. “The nuclides ^{120}Ag and ^{122}Ag have been studied for the first time...” The measured half-lives for ^{120}Ag of 1.17(5) s and 0.32(4) s correspond to the ground state and an isomeric state.

Adapted from reference (2010Sc10)

- 1971Fo22 B. Fogelberg, A. Backlin, and T. Nagarajan, Phys. Lett. B **36**, 334 (1971).
2010Sc10 A. Schuh, A. Fritsch, J. Q. Ginepro, M. Heim *et al.*, At. Data Nucl. Data Tables **96**, 531 (2010).

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