

¹¹⁹Ag

¹¹⁹Ag was discovered by Kawase et al. in 1975 in their paper “States in ¹¹⁹Cd Studied in the Decay of ¹¹⁹Ag” (1975Ka09). ¹¹⁹Ag was observed at the OSIRIS mass separator in fission products from the reactor at Studsvik, Sweden. Conversion electrons, γ -rays, and $\gamma\gamma$ coincidences were recorded. “Only one isomer of ¹¹⁹Ag was found in the present study, and the half-life of this, 2.1 ± 0.1 s, is much shorter than that of its daughters products.” An earlier measurement of a half-life of 17 s (1967Fr16) could not be confirmed. Also, Aleklett et al. submitted their measurement of ¹¹⁹Ag only two months later than Kawase et al. (1975Ka09). The observed half-life corresponds to an isomeric state. Two γ -rays populating the ground state were reported 16 years later by Penttilä et al. (1991Pe04). The half-life of the ground state has only been reported in a conference proceeding (1970SZZ).

Adapted from reference (2010Sc10)

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