^{120}Cd

Evidence for ^{120}Cd was observed by Cheifetz et al.from the University of California at Berkeley in the 1971 paper "Determination of the Charge and Mass Distribution in the Fission of ^{252}Cf" (1971Ch44). Fission fragments from the spontaneous fission of ^{252}Cf were observed in coincidence with X- and γ-rays measured in Ge(Li) detectors. Several isotopes were identified and the observed γ-rays were listed in a table. For ^{120}Cd, levels at 505.5 (2^+), 698 (4^+), 818 (6^+) and 961 keV (8^+) were reported. The first three levels are correct (2002Ki17). Cheifetz et al. did not claim the discovery of ^{120}Cd referring to an earlier conference proceedings (1970BaYS). An upper limit for the half-life of ^{120}Cd of < 1 m was reported in 1961(1961Gl06).

The assignment was changed (2016Th03) from the original compilation (2010Am04) which credited a later paper by Scheidemann and Hagebo (1973Sc19) with the discovery of ^{120}Cd.

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