^{118}Cd

The 1961 article "Decay of 49-min Cd^{118} and 5.1-sec In^{118}" by Gleit and Coryell reported the discovery of ^{118}Cd (1961Gl02). Deuterons accelerated to 14 MeV by the M.I.T. cyclotron bombarded natural uranium foils. ^{118}Cd was produced by fission and identified by its β-decay following chemical separation. "An average of nine samples, each followed for more than seven half-lives, yields a half-life of 49.0±1.5 min for Cd^{118}." A half-life of 30 m had been reported in 1953 in a conference proceedings (1953Co04). The observation of ^{118}Cd in 1933 was incorrect (1933Sv01).

Adapted from reference (2010Am04)

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