^{94}Pd

In 1982 the article, "Investigations of Very Neutron-Deficient Isotopes Below ^{100}Sn in ^{40}Ca-Induced Reactions" Kurcewicz et al. reported the first observation of ^{94}Pd (1982Ku15). A 4.0 MeV/u ^{40}Ca from the GSI heavy-ion accelerator UNILAC bombarded a ^{58}Ni target to produce ^{94}Pd in the fusion evaporation reaction ^{58}Ni(^{40}Ca,4n). X- and γ-rays were measured with two Ge(Li) detectors following on-line mass separation. "The half-life of (9$\pm$0.5) s for ^{94}Pd decay resulted from the analysis of the decay-curves of Rh, K X-rays and of the γ-transitions with energies of 54.6 and 558.3 keV."

Adapted from reference (2013Ka01)

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