^{115}Pd

Alexander et al. discovered in 1958 ^{115}Pd as reported in "Short-lived isotopes of Pd and Ag of masses 113-117" (1958Al90). Uranium was bombarded with 15 MeV deuterons from the M.I.T. cyclotron. Gamma- and beta-ray spectra were measured with NaI(Tl) scintillation spectrometers following chemical separation. "The half-life of ^{115}Pd was found by periodic extraction and counting of 21.1-min Ag^{115} to be 50±12 seconds. A more accurate value of 44±3 seconds was found by identical period extraction and subsequent purification and counting of 2.2-day Cd^{115} after decay of 21.1-min Ag^{115}. The half-period chosen is 45±3 sec."

Adapted from reference (2013Ka01)

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