^{113}Pd

In the 1954 article, "A new isotope of palladium, 1.5-minute Pd^{113}", Hicks and Gilbert described the observation of ^{113}Pd (1954Hi15). A uranium foil was irradiated with 190 MeV deuterons from the Berkeley 184-in. cyclotron. The resulting activity was measured with a chlorine-quenched Geiger tube following chemical separation. "A new isotope, 1.5-minute Pd^{113}, has been isolated from the fission products of natural uranium bombarded with 190-Mev deuterons. The mass assignment and half-life were determined by successive milkings of the 5.3-hour Ag^{113} daughter."

Adapted from reference (2013Ka01)

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