^{182}Ta

"Artificial radioactivity of tantalum" was published in 1938 by Oldenberg, describing the observation of ^{182}Ta (1938Ol01). Tantalum was bombarded with slow neutrons at the Berkeley Radiation Laboratory. Decay curves were measured with a Lauritsen electroscope. "The long period of 200 days $\pm$100 given by Fomin and Houtermans was confirmed. A more accurate value of the half-life is 97$\pm$8 days. As there exists only one stable isotope, Ta^{181} capture of slow neutrons must lead to Ta^{182}." In the reference by Fomin and Houtermans mentioned in the quote no mass assignment was made (1936Fo01).

Adapted from reference (2012Ro36)

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