

^{233}Pa

Meitner et al. reported the discovery of ^{233}Pa at the Kaiser Wilhelm Institut für Chemie in Berlin Dahlem, in the 1938 paper “Künstliche Umwandlungsprozesse bei Bestrahlung des Thoriums mit Neutronen; Auftreten isomerer Reihen durch Abspaltung von α -Strahlen” (1938Me04). A thorium sample surrounded by paraffin was irradiated with neutrons from a Ra-Be source. Decay curves were measured following chemical separation. “[Die Figur] zeigt die Abklingkurve der gereinigten Protactiniumpräparate. Die Halbwertszeiten liegen zwischen 24 und 27 Tagen.” [[The figure] shows the decay curves of the separated protactinium samples. The half-lives are between 24 and 27 days.] A previously reported half-life of 2.5 min (1935Cu02) was incorrect.

Adapted from reference (2013Fr03)

- 1935Cu02 I. Curie, H. von Halban, and P. Preiswerk, *Compt. Rend.* **200**, 2079 (1935).
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2013Fr03 C. Fry and M. Thoennessen, *At. Data Nucl. Data Tables* **99**, 345 (2013).

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