^{235}Pu

Thomas et al. reported the identification of ^{235}Pu in the 1957 paper "Decay properties of Pu^{235}, Pu^{237}, and a new isotope Pu^{233}" (1957Th10). ^{233}U and ^{235}U targets were bombarded with α-particles from the Berkeley 60-inch cyclotron. Auger and conversion electrons from electron-capture decay were measured with a continous-flow-methane proportional counter following chemical separation. "The values determined by Orth of 26±2 minutes for the over-all half-life and 5.85±0.03 Mev for the alpha energy have been confirmed by the present work." The previous work by Orth mentioned in the quote was an unpublished report (1951OrZZ).

Adapted from reference (2013Fr02)

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