^{241}Pu

In 1949, Seaborg et al. reported the observation of ^{241}Pu in the paper "The new element americium (atomic number 95)" (1949Se02). 38 MeV α particles bombarded ^{238}U targets from the Berkeley 60-in. cyclotron forming ^{241}Pu in the ^{238}U(α,n) reaction. Absorption curves were recorded and α and β activities were measured following chemical separation. "From these considerations the half-life of Pu^{241} for β-particle emission is approximately 10 years."

Adapted from reference (2013Fr02)

1949Se02 G. T. Seaborg, R. A. James, and L. O. Morgan, The Transuranium Elements: Research Papers, Book 2, Vol. 14B, paper 22. 1, G. T. Seaborg ed. , p. 1525 (1949).

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