

²³⁷Pu

In 1949, James et al. identified ²³⁷Pu in “Products of helium-ion and deuteron bombardment of U²³⁵ and U²³⁸” (1949Ja01). Natural uranium and ²³⁵U targets were bombarded with 16 MeV deuterons and 32 MeV α particles from the Berkeley 60-inch cyclotron. X-rays, γ -rays and α particles were measured following chemical separation. “A plutonium isotope that decays by orbital-electron capture with a half life of 40 days has been assigned the mass number 237.”

Adapted from reference (2013Fr02)

- 1949Ja01 R. A. James, A. E. Florin, H. H. Hopkins Jr., and A. Ghiorso, The Transuranium Elements: Research Papers, Book 2, Vol. 14B, paper 22. 8, G. T. Seaborg ed. , p. 1604 (1949).
- 2013Fr02 C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 96 (2013).

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