^{236}Pu

In 1949, James et al. identified ^{236}Pu in "Products of helium-ion and deuteron bombardment of U^{235} and U^{238}" (1949Ja01). Natural uranium and ^{235}U 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. "Np^{236} is a β-particle emitter with a half life of 22 hr. Its daughter, Pu^{236}, emits α particles with a range of 4.3 cm (energy 5.7 mev); it decays with a half life of 2.7 years."

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).

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