

²⁴⁴Pu

In 1954, Studier et al. from Berkeley reported the observation of ²⁴⁴Pu in “Plutonium-244 from pile-irradiated plutonium” ([1954St98](#)). ²³⁹Pu was irradiated with neutrons in the Materials Testing Reactor. Plutonium was chemically separated and analyzed with a 12-inch, 60° mass spectrometer. “Plutonium-244 is formed by Pu²⁴³(n,γ)Pu²⁴⁴ reaction and possibly by electron capture of Am²⁴⁴.”

Adapted from reference ([2013Fr02](#))

[1954St98](#) M. H. Studier, P. R. Fields, P. H. Sellers, A. M. Friedman *et al.*, Phys. Rev. **93**, 1433 (1954).

[2013Fr02](#) C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 96 (2013).

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