

²⁴⁶Bk

In the 1954 paper “Isotopes of curium, berkelium, and californium” Hulet et al. reported the discovery of ²⁴⁶Bk ([1954Hu58](#)). Americium targets were bombarded with 27 MeV α -particles from the Berkeley 60-in. cyclotron. Following chemical separation X- and γ -rays were measured with a sodium iodide crystal scintillation counter and decay curves were recorded with a windowless proportional counter. “The bombardment of various mixtures of Am²⁴¹ and Am²⁴³ with 27-Mev helium ions is believed to have produced a 1.8-day electron-capture isotope of berkelium which is tentatively assigned to Bk²⁴⁶.”

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

[1954Hu58](#) E. K. Hulet, S. G. Thompson, and A. Ghiorso, Phys. Rev. **95**, 1703 (1954).

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

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