^{246}Bk

In the 1954 paper "Isotopes of curium, berkelium, and californium" Hulet et al. reported the discovery of ^{246}Bk (1954Hu50). 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 Am^{241} and Am^{243} with 27-Mev helium ions is believed to have produced a 1.8-day electron-capture isotope of berkelium which is tentatively assigned to Bk^{246}."

Adapted from reference (2013Fr02)

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