^{245}Bk

Hulet et al. identified ^{245}Bk in the 1951 paper "New isotopes of berkelium and californium" (1951Hu39). A curium target was bombarded with 35 MeV α particles and 16 MeV deuterons from the Berkeley 60-in. cyclotron. Alpha-particle spectra were measured in a windowless gas proportional counter following chemical separation. "Consideration of the systematics of alpha-radioactivity suggests that the new 4.95-day isotope is most likely Bk^{245}."

Adapted from reference (2013Fr02)

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