^{252}Es

The isotopes ^{252}Es was produced by Harvey et al. in 1956 as reported in "New Isotopes of Einsteinium" (1956Ha80). A gold foil deposited with 3×10^{13} atoms of ^{249}Bk was bombarded with 20−40 MeV α-particles accelerated by the Berkeley Crocker Laboratory 60-inch cyclotron: "... the 280-day β^--emitter Bk^{249} was bombarded with helium ions from 20 to 40 Mev, and reactions of the type (α,xn) were studied radiochemically. Such reactions can produce four previously unobserved isotopes of einsteinium (symbol E, atomic number 99) with mass numbers from 249 to 252." The isotope was chemically separated and their decay via electron capture and/or α-particles measured.

Adapted from reference (2011Me01)

1956Ha80 B. G. Harvey, A. Chetham-Strode, A. Ghiorso, G. R. Choppin, and S. G. Thompson, Phys. Rev. **104**, 1315 (1956).

2011Me01 D. Meierfrankenfeld, A. Bury, and M. Thoennessen, At. Data Nucl. Data Tables **97**, 134 (2011).

Please cite this abstract as: "FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:10.11578/frib/2279152"