

^{252}Cf

In 1954, Ghiorso et al. from Berkeley reported the discovery of ^{252}Cf in the article “New isotopes of americium, berkelium and californium” (1954Gh24). ^{249}Bk was irradiated with neutrons producing ^{252}Cf . Alpha particles were measured following chemical separation. “Direct alpha-decay measurements performed over a period of several months on a sample consisting largely of Cf^{252} indicate a half-life for this nuclide of roughly two years.” Less than a week later Diamond et al. independently reported a half-life of 2.1(4) y (1954Di11).

Adapted from reference (2013Fr02)

- 1954Di11 H. Diamond, L. B. Magnusson, J. F. Mech, C. M. Stevens *et al.*, Phys. Rev. **94**, 1083 (1954).
1954Gh24 A. Ghiorso, S. G. Thompson, G. R. Choppin, and B. G. Harvey, Phys. Rev. **94**, 1081 (1954).
2013Fr02 C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 96 (2013).

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