

## <sup>247</sup>Cf

Ghiorso et al. discovered <sup>247</sup>Cf in 1954 as reported in “Reactions of U<sup>238</sup> with cyclotron-produced nitrogen ions” (1954Gh12). The Berkeley 60-inch cyclotron was used to bombard a <sup>238</sup>U target with <sup>14</sup>N beams. Resulting activities were measured following chemical separation. No further details were given and the results were summarized in a table. “The following transmutation products have been observed: <sup>99</sup>247(?), <sup>99</sup>246, Cf<sup>244</sup>, Cf<sup>246</sup>, Cf<sup>247</sup>(?), Cf<sup>248</sup>, Bk<sup>243</sup>, and other berkelium isotopes not yet identified.” The measured half-life was ~2.7 hr for Cf<sup>247</sup>.

Adapted from reference (2013Fr02)

1954Gh12 A. Ghiorso, G. B. Rossi, B. G. Harvey, and S. G. Thompson, Phys. Rev. **93**, 257 (1954).

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

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