^{248}Cf

Ghiorso et al. discovered ^{248}Cf in 1954 as reported in "Reactions of U^{238} with cyclotron-produced nitrogen ions" (1954Gh12). The Berkeley 60-inch cyclotron was used to bombard a ^{238}U target with ^{14}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: $99^{247(?)}$, 99^{246}, Cf^{244}, Cf^{246}, $Cf^{247(?)}$, Cf^{248}, Bk^{243}, and other berkelium isotopes not yet identified." The measured half-life was 225 days for Cf^{248}.

Adapted from reference (2013Fr02)

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

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