

^{148}Ce

The cerium isotope ^{148}Ce was discovered by Hoffman and Daniels at Los Alamos Scientific Laboratory in 1964: “Some Short-Lived Isotopes of Cerium and Praseodymium” (1964Ho03). Uranyl nitrate was irradiated by the Los Alamos Water Boiler Reactor. “The cerium half-lives were determined by measuring the relative amounts of the praseodymium daughter activities in samples milked from fission product cerium at suitable intervals.” The measured half-life was 43(10) s.

Adapted from reference (2009Gi07)

1964Ho03 D. C. Hoffman and W. R. Daniels, J. Inorg. Nucl. Chem. **26**, 1769 (1964).

2009Gi07 J. Q. Ginepro, J. Snyder, and M. Thoennessen, At. Data Nucl. Data Tables **95**, 805 (2009).

Please cite this abstract as: “FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:[10.11578/frib/2279152](https://doi.org/10.11578/frib/2279152)”