

^{138}Ce

The stable isotope ^{138}Ce was discovered by Dempster from the University of Chicago in the 1936 paper “The Isotopic Constitution of Barium and Cerium” ([1936De01](#)). Photographs of mass spectra of cerium ions formed in a high frequency spark using a pure cerium oxide sample were taken. “With cerium two faint isotopes at 136 and 138 have also been observed, in addition to the two strong ones at 140 and 142.”

Adapted from reference ([2009Gi07](#))

[1936De01](#) A. J. Dempster, Phys. Rev. **49**, 947 (1936).

[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)”