

## $^{140}\text{Ce}$

The stable isotope  $^{140}\text{Ce}$  was discovered in 1924 by Aston: “The Mass Spectra of Zirconium and Some Other Elements” (1924As04). The isotopes were identified with the Cavendish mass spectrometer: “Successful mass spectra have been obtained with cerium (at. wt. 140.25), which indicate that it consists of a strong component 140 and a weak companion 142.”

The assignment was changed from the original compilation (2009Gi07) which credited a later paper by Aston (1925As02) with the discovery of  $^{140}\text{Ce}$ .

1924As04 F. W. Aston, *Nature* **114**, 273 (1924).

1925As02 F. W. Aston, *Phil. Mag.* **49**, 1191 (1925).

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”