

## <sup>177</sup>Hf

<sup>177</sup>Hf were discovered by Aston in “Constitution of hafnium and other elements” in 1934 ([1934As03](#)). The stable isotopes were identified with an anode discharge tube installed at the Cavendish Laboratory mass spectrograph. “Hafnium gives a mass-spectrum indicating five isotopes, a weak line at 176 and four strong ones, 177, 178, 179, 180, of which the even numbers are rather more abundant.”

Adapted from reference ([2012Gr19](#))

[1934As03](#) F. W. Aston, *Nature* **133**, 684 (1934).

[2012Gr19](#) J. L. Gross and M. Thoennessen, *At. Data Nucl. Data Tables* **98**, 983 (2012).

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)”