

¹⁹⁶Os

Haustein et al. reported the discovery of ¹⁹⁶Os in the 1977 paper “New neutron-rich isotope: ¹⁹⁶Os” ([1977Ha32](#)). Isotopically enriched ¹⁹⁸PtCl₄ targets were irradiated with neutrons at the Brookhaven Medium Energy Intense Neutron (MEIN) Facility. X-, γ -, and β rays were measured following chemical separation. “While the observation of ¹⁹⁶Ir in secular equilibrium provides the strongest evidence for correct assignment of the new radioactivity to ¹⁹⁶Os, corroborative evidence of this assignment was obtained from x-ray spectra.”

Adapted from reference ([2012Ro36](#))

[1977Ha32](#) P. E. Haustein, E. M. Franz, R. F. Petry, and J. C. Hill, Phys. Rev. C **16**, 1559 (1977).

[2012Ro36](#) R. Robinson and M. Thoennessen, At. Data Nucl. Data Tables **98**, 911 (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)”