

¹⁷⁸Re

¹⁷⁸Re was discovered by Haldar and Wiig as reported in the 1957 paper “New neutron-deficient isotopes of rhenium” (1957Ha04). Rhenium targets were bombarded with 120–240 MeV protons from the Rochester 130-in synchrocyclotron. Decay curves and positron spectra were measured with beta-proportional and scintillation counters following chemical separation. “Evidence is presented for the assignment of Re¹⁷⁸ to a 15-min, 3.1-Mev positron activity and of Re¹⁸⁰ to a (20±1)-hour, 1.9-Mev positron activity.”

Adapted from reference (2012Ro36)

- 1957Ha04 B. C. Haldar and E. O. Wiig, Phys. Rev. **105**, 1285 (1957).
2012Ro36 R. Robinson and M. Thoennessen, At. Data Nucl. Data Tables **98**, 911 (2012).

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