

¹⁸⁵Os

In the paper “Radioactive isotopes of Re, Os, and Ir”, Goodman and Pool described their discovery of ¹⁸⁵Os at Ohio State University in 1947 ([1947Go01](#)). ¹⁸⁵Os was produced in (d,2n) reactions on rhenium. Decay curves were measured following chemical separation. “A new period has been found in the osmium fraction after a deuteron bombardment of Re. The chemical separations were carried out as previously described. The decay of this isotope is shown in [the figure] and is seen to have a half-life of 94.7 ± 2.0 days. The isotope is predominately γ -ray emitting and has been tentatively placed at Os¹⁸⁵.”

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

- [1947Go01](#) L. J. Goodman and M. L. Pool, Phys. Rev. **71**, 288 (1947).
[2012Ro36](#) R. Robinson and M. Thoennessen, At. Data Nucl. Data Tables **98**, 911 (2012).

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