

^{177}Ta

Wilkinson and Hicks reported the first observation of ^{177}Ta in the 1948 paper “Some new radioactive isotopes of Tb, Ho, Tm Lu, Ta, W, and Re” ([1948Wi02](#)). The Berkeley 60-in cyclotron was used to bombard lutetium with 20 and 38 MeV α -particles and hafnium and tantalum with 19 MeV deuterons. Absorption measurements were performed and decay curves recorded following chemical separation. The results were only summarized in a table and the measured half-life was 2.66 d h for ^{177}Ta .

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

- [1948Wi02](#) G. Wilkinson and H. G. Hicks, Phys. Rev. **74**, 1733 (1948).
[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)”