

¹⁵⁷W

In 2010, Bianco et al. discovered ¹⁵⁷W, and reported their findings in the paper “Discovery of ¹⁵⁷W and ¹⁶¹Os” (2010Bi03). At the University of Jyväskylä in Finland, self-supporting ¹⁰⁶Cd targets were bombarded with 290, 300, and 310 MeV ⁵⁸Ni beams. ¹⁶¹Os was produced in the fusion-evaporation reaction ¹⁰⁶Cd(⁵⁸Ni,3n) and identified with the GREAT spectrometer where α -spectra were measured following the RITU gas-filled separator. “The daughter ¹⁵⁷W nuclei β -decayed with a half-life of 275 ± 40 ms.”

Adapted from reference (2012Ro36)

2010Bi03 L. Bianco, R. D. Page, I. G. Darby, D. T. Joss *et al.*, Phys. Lett. B **690**, 15 (2010).

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

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