

## <sup>157</sup>W

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

Please cite this abstract as: “FRIB Nuclear Data Group, *Discovery of Nuclides Project*, doi:10.11578/frib/2279152”