

## <sup>157</sup>Ta

“Alpha decay studies of very neutron deficient isotopes of Hf, Ta, W, and Re” was published in 1979 by Hofmann et al. describing the observation of <sup>157</sup>Ta ([1979Ho10](#)). Targets of <sup>103</sup>Rh, <sup>nat,108,110</sup>Pd, and <sup>107,109</sup>Ag were bombarded with beams of <sup>58</sup>Ni from the GSI UNILAC linear accelerator. Evaporation residues were separated with the high-velocity SHIP separator. “In the investigated reactions the eleven new isotopes <sup>161–164</sup>Re, <sup>160</sup>W, <sup>157–161</sup>Ta, and <sup>156</sup>Hf could be identified.”

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

[1979Ho10](#) S. Hofmann, W. Faust, G. Munzenberg, W. Reisdorf *et al.*, *Z. Phys. A* **291**, 53 (1979).

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

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