

^{163}Os

The 1981 paper “New neutron deficient isotopes in the range of elements Tm to Pt” reported the discovery of ^{163}Os by Hofmann et al. at GSI using the linear accelerator UNILAC. (1981Ho10). ^{163}Os was produced in reactions bombarding neutron deficient targets between molybdenum and tin with a beam of ^{58}Ni as well as bombarding targets between vanadium and nickel with a beam of ^{107}Ag , with energies between 4.4 MeV/u and 5.9 MeV/u. Residues were separated using the velocity filter SHIP. For ^{163}Os no half-life was measured and only an α -decay energy of 6510(30) keV was listed in a table.

Adapted from reference (2012Ro36)

- 1981Ho10 S. Hofmann, G. Munzenberg, F. Hessberger, W. Reisdorf *et al.*, *Z. Phys. A* **299**, 281 (1981).
2012Ro36 R. Robinson and M. Thoennessen, *At. Data Nucl. Data Tables* **98**, 911 (2012).

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