

^{162}Re

“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 ^{162}Re ([1979Ho10](#)). Targets of ^{103}Rh , $^{nat,108,110}\text{Pd}$, and $^{107,109}\text{Ag}$ were bombarded with beams of ^{58}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 $^{161-164}\text{Re}$, ^{160}W , $^{157-161}\text{Ta}$, and ^{156}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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