# $^{160}$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 $^{160}$Ta (1979Ho10). Targets of $^{103}$Rh, $^{nat,108,110}$Pd, and $^{107,109}$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 $^{161-164}$Re, $^{160}$W, $^{157-161}$Ta, and $^{156}$Hf could be identified." For $^{160}$Ta, only the $\alpha$-decay energies were measured.

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).



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