^{158}W

In 1981, Hofmann et al. discovered ^{158}W at the Gesellschaft für Schwerionenforschung (GSI) in Darmstadt, Germany, as reported in their paper "New Neutron Deficient Isotopes in the Range of Elements Tm to Pt" (1981Ho10). Using a 4.4 A·MeV nickel beam the isotopes were made in the fusion-evaporation process ^{106}Cd(^{58}Ni,2p4n)^{158}W. ^{158}W was identified by reconstructing its α decay into ^{154}Hf: "We explain these observations by the decay chain ^{158}W $\xrightarrow{\alpha}$ ^{154}Hf $\xrightarrow{\beta}$ ^{154}Lu $\xrightarrow{\beta}$ ^{154}Yb $\xrightarrow{\alpha}$ ^{150}Er."

Adapted from reference (2010Fr08)

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