^{268}Hs

^{268}Hs was first observed by Nishio et al. as described in the 2010 paper "Nuclear orientation in the reaction ^{34}S + ^{238}U and synthesis of the new isotope ^{268}Hs" (2010Ni14). A 5.16 MeV/u ^{34}S beam from the GSI linear accelerator UNILAC bombarded a ^{238}U target and ^{268}Hs was formed in the (4n) fusion-evaporation reaction. Recoil products as well as subsequent α-particle emission and spontaneous fission events were measured with the detector setup of the velocity filter SHIP. "At 152.0 MeV one decay of the new isotope ^{268}Hs was observed. It decays with a half-life of $0.38^{+1.8}_{-0.17}$ s by 9479$\pm$16 keV α-particle emission."

Adapted from reference (2013Th02)

2010Ni14 K. Nishio, S. Hofmann, F. P. Hessberger, D. Ackermann *et al.*, Phys. Rev. C **82**, 024611 (2010).

2013Th02 M. Thoennessen, At. Data Nucl. Data Tables **99**, 312 (2013).

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