^{147}Ho

"Very proton rich nuclei with N≈82" was published in 1982 by Nolte et al. documenting the observation of ^{147}Ho (1982No08). ^{58}Ni beams of energies of 233−250 MeV from the Munich MP tandem and heavy-ion linear rf post accelerator were used to bombard ^{92}Mo targets forming ^{147}Ho in the fusion-evaporation reaction ^{92}Mo(^{58}Ni,3p). Gamma-ray singles and coincidences were measured with coaxial and planar Ge(Li) detectors. "A half-life of 5.8±0.4 s was obtained for the new isotope ^{147}Ho." In a separate paper submitted by the same authors on the same day, an isomeric state with a half-life of 315(30) ns was reported (1982No07).

Adapted from reference (2013Fr10)

1982No07 E. Nolte, G. Colombo, S. Z. Gui, G. Korschinek *et al.*, Z. Phys. A **306**, 211 (1982).

1982No08 E. Nolte, S. Z. Gui, G. Colombo, G. Korschinek, and K. Eskola, Z. Phys. A **306**, 223 (1982).

2013Fr10 C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 520 (2013).

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