

^{173}Au

“Alpha Decay of New Neutron Deficient Gold, Mercury and Thallium Isotopes” reported the first discovery of ^{173}Au by Schneider et al. in 1983 at the Gesellschaft für Schwerionenforschung (GSI) in Germany (1983Sc24). The isotope was produced in fusion evaporation reactions with a ^{92}Mo beam of energies between 4.5 A·MeV and 5.4 A·MeV and separated with the velocity filter SHIP. The α -decay of ^{173}Au “could be correlated to the known α -decays of their daughters” with a half-life of 59_{-18}^{+45} ms.

Adapted from reference (2010Sc35)

1983Sc24 J. R. H. Schneider, S. Hofmann, F. P. Hessberger, G. Munzenberg *et al.*, *Z. Phys. A* **312**, 21 (1983).

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Please cite this abstract as: “FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:[10.11578/frib/2279152](https://doi.org/10.11578/frib/2279152)”