

¹⁷⁹Au

¹⁷⁹Au was first observed by Siivola at Lawrence Radiation Laboratory at the University of California, Berkeley, in the 1968 article “Alpha-Active Gold Isotopes” (1968Si01). The isotope was observed in the fusion-evaporation reaction ¹⁶⁸Yb(¹⁸F,7n). “The 5.848 MeV activity can be assigned to ¹⁷⁹Au because in the ²⁰Ne + ¹⁶⁹Tm bombardments it is produced in large quantities at 130 MeV excitation, which is above the expected position for a (²⁰Ne, 9n) reaction.” The measured half-life was 7.2(5) s. It should be mentioned that ¹⁷⁹Au was first reported by A.G. Demin et al. (1968De01). Their manuscript was received on June 20, 1967 while Siivola’s paper was received only on October 24, 1967. However, Demin had access to the unpublished report by Siivola (1965Si07) and frequently referred to this work.

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