^{277}Cn

In the 1996 paper "The new element 112", Hofmann et al. reported the discovery of ^{277}Cn (1996Ho13). A 344 MeV ^{70}Zn beam from the GSI UNILAC bombarded enriched ^{208}Pb targets and ^{277}Cn was populated in the single neutron fusion-evaporation reaction. Reaction residues were separated with the velocity filter SHIP and subsequent α decays were recorded in a position sensitive silicon detector. "Therefore, the observed chain must be assigned to the isotope with mass number A = 277 of element Z = 112, produced by fusion of ^{70}Zn and ^{208}Pb and emission of one neutron. This chain represents the first unambiguous identification of the new element Z = 112." Two chains were observed, however, the first chain was later retracted (2002Ho11).

Adapted from reference (2013Th02)

1996Ho13 S. Hofmann, V. Ninov, F. P. Hessberger, P. Armbruster *et al.*, Z. Phys. A **354**, 229 (1996).

2002Ho11 S. Hofmann, F. P. Hessberger, D. Ackermann, G. Munzenberg *et al.*, Eur. Phys. J. A **14**, 147 (2002).

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