^{188}Hf

Benlliure et al. published the discovery of ^{188}Hf in the 1999 paper entitled "Production of neutron-rich isotopes by cold fragmentation in the reaction ^{197}Au + Be at 950 A MeV" (1999Be63). A 950 A·MeV ^{197}Au beam from the SIS synchrotron of GSI was incident on a beryllium target and ^{188}Hf was produced in projectile fragmentation reactions. The FRS fragment separator was used to select isotopes with a specific mass-to-charge ratio. "In the right part of [the figure] the projected A/Z distributions are shown for the different elements transmitted in this setting of the FRS. In this setting the isotopes ^{193}Re, ^{194}Re, ^{191}W, ^{192}W, ^{189}Ta, ^{187}Hf and ^{188}Hf were clearly identified for the first time. Only isotopes with a yield higher than 15 counts were considered as unambiguously identified."

Adapted from reference (2012Gr19)

1999Be63 J. Benlliure, K. H. Schmidt, D. Cortina-Gil, T. Enqvist *et al.*, Nucl. Phys. A **660**, 87 (1999).

2012Gr19 J. L. Gross and M. Thoennessen, At. Data Nucl. Data Tables **98**, 983 (2012).

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