^{183}Lu

Rykaczewski et al. reported the discovery of ^{183}Lu in the 1983 paper "The new neutron-rich isotope ^{183}Lu" (1983Ry01). The GSI UNILAC accelerator was used to bombard a tungsten/tantalum target with a 11.7 MeV/u ^{136}Xe beam. A plastic scintillator and two Ge(Li) detectors were used to measure β and γ spectra, respectively, following on-line mass separation. "The observed coincidence of hafnium K X-rays with the 168, 249, and 1057 keV γ-lines allows, together with $\beta - \gamma$ coincidence relationships, to assign these γ-lines to the decay of ^{183}Lu."

Adapted from reference (2012Gr19)

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