^{90}Ru

In the 1991 paper "Searching for new neutron deficient nuclide ^{90}Ru" Zhou et al. reported the first observation of ^{90}Ru (1991Zh29). An enriched ^{58}Ni target was bombarded with a 115 MeV ^{35}Cl beam from the Chinese Institute of Atomic Energy (CIAE) HI-13 tandem accelerator in Beijing. X-ray and γ-rays of the residual nuclei were measured with a Si(Li) and HPGE detector, respectively. "Thus, the 992 keV and 1002 keV γ-rays in [the figure] possibly come from the β^+ decay daughter ^{90}Tc of a new nuclide ^{90}Ru, which has a half-life of 13$\pm$5 s."

Adapted from reference (2012Ny02)

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