^{182}Lu

^{182}Lu was discovered by Kirchner et al. in 1982 and reported in "New neutron-rich ^{179}Yb and ^{181,182}Lu isotopes produced in reactions of 9 MeV/u ^{136}Xe ions on tantalum and tungsten targets" (1982Ki04). A 9 MeV/u ^{146}Xe beam from the GSI UNILAC accelerator bombarded tungsten and tantalum targets. ^{182}Lu was identified with an online-mass separator and β-, γ-, and X-ray decay spectroscopy. "The ^{182}Lu half-life of 2.0$\pm$0.2 min was obtained from the analysis of the decay-curves of β-rays, hafnium K X-rays and the γ-transitions with energies of 97.8 and 720.8 keV."

Adapted from reference (2012Gr19)

1982Ki04 R. Kirchner, O. Klepper, W. Kurcewicz, E. Roeckl *et al.*, Nucl. Phys. A **378**, 549 (1982).

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