^{117}Rh

"Identification of the rare neutron-rich isotope ^{117}Rh" was published by Penttila et al. in 1991 reporting the observation of ^{117}Rh (1991Pe10). ^{238}U targets were irradiated with 23 MeV protons from the Louvain-La Neuve cyclotron facility. ^{117}Rh was separated with the LISOL ion guide setup and identified by measuring γ- and β-ray spectra. "A beta half-life of 0.44±0.04 s was measured for this nucleus from the decay of the beta-coincident K x rays of Pd. Three gamma rays of 34.6, 131.7, and 481.6 keV were found to be associated with the decay of ^{117}Rh."

Adapted from reference (2012Pa21)

1991Pe10 H. Penttila, P. P. Jauho, J. Aysto, P. Decrock *et al.*, Phys. Rev. C **44**, R935 (1991).

2012Pa21 A. M. Parker and M. Thoennessen, At. Data Nucl. Data Tables **98**, 812 (2012).

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