^{102}Y

^{102}Y was first identified by Shizuma et al. in the 1983 paper "Levels in ^{102}Zr Populated in the Decay of ^{102}Y" (1983Sh13). Neutrons from the Jülich reactor irradiated a ^{235}U target and the fission fragments were identified with the gas-filled recoil separator JOSEF. Decay curves and γ-ray spectra were measured. "A least-squares fit to the data assuming only one half-life gives $T_{1/2}$=0.36±0.04 s for [the] ^{102}Y decay."

Adapted from reference (2012Ny02)

1983Sh13 K. Shizuma, J. C. Hill, H. Lawin, M. Shaanan *et al.*, Phys. Rev. C **27**, 2869 (1983).

2012Ny02 A. Nystrom and M. Thoennessen, At. Data Nucl. Data Tables **98**, 95 (2012).

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