^{146}Dy

Alkhazov et al. identified ^{146}Dy in 1981 in "New isotope ^{146}Dy" (1981Al31). A tungsten target was bombarded with 1 GeV protons from the Leningrad synchrocyclotron. X-rays and γ-ray spectra were measured with Ge(Li) detectors following mass separation with the IRIS on-line mass separator facility. "The second set we ascribe to the decay ^{146}Dy$\rightarrow^{146}$Tb. The analysis of the decay data for K_{α_1} Tb line, gives $T_{1/2}$ = 31$\pm$5 s, which is in good agreement with the value predicted by Tokahashi et al. for the half-life of ^{146}Dy."

Adapted from reference (2013Fr10)

1981Al31 G. D. Alkhazov, E. Ye. Berlovich, K. A. Mezilev, Yu. N. Novikov *et al.*, Acta Phys. Pol. B **12**, 825 (1981).

2013Fr10 C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 520 (2013).

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