^{157}Pm

In 1987, Greenwood et al. identified ^{157}Pm in the paper entitled "Identification of new neutron-rich rare-earth isotopes produced in ^{252}Cf Fission" (1987Gr12). Spontaneous fission fragments from a ^{252}Cf source were measured with the isotope separation on line (ISOL) system at the Idaho National Engineering Laboratory. ^{157}Pm was identified by mass separation and the measurement of K x-rays. "^{157}Pm. Some 17 γ rays could be associated with the decay of ^{157}Pm in the present work. The half-life value was obtained as an average of individual values involving the Sm K x rays and the 52.6-, 108.2-, 160.5-, and 187.9-keV γ rays. Separate half-life values for the x rays and γ rays were identical. "

Adapted from reference (2012Ma48)

1987Gr12 R. C. Greenwood, R. A. Anderl, J. D. Cole, and H. Willmes, Phys. Rev. C **35**, 1965 (1987).

2012Ma48 E. May and M. Thoennessen, At. Data Nucl. Data Tables **98**, 960 (2012).

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