^{225}Np

The 1994 article "The kinematic separator VASSILISSA performance and experimental results" Yeremin et al. was the first publication reporting the observation of ^{225}Np (1994Ye08). ^{22}Ne beams from the Dubna U-400 cyclotron bombarded a ^{209}Bi target forming ^{225}Np in the (6n) fusion-evaporation reaction. ^{225}Np was separated with the kinematic separator VASSILISSA and implanted in an array of silicon detectors which also recorded subsequent α decays. "New isotopes $^{218,219,223-226}$U, $^{225-227}$Np and $^{228-230}$Pu were produced and identified, and their α-decay energy and half life times were measured." An α-energy of 8630(2) keV for ^{225}Np is listed in a table.

Adapted from reference (2013Fr02)

1994Ye08 A. V. Yeremin, A. N. Andreyev, D. D. Bogdanov, G. M. Ter-Akopian *et al.*, Nucl. Instrum. Methods Phys. Res. A **350**, 608 (1994).

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Please cite this abstract as: "FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:10.11578/frib/2279152"