^{226}Np

In 1990, Ninov et al. reported the discovery of ^{226}Np in "Identification of neutron-deficient isotopes ^{226,227}Np" (1990Ni05). A ^{209}Bi target was bombarded with 5.5 MeV/u ^{22}Ne beams from the GSI UNILAC accelerator populating ^{226}Np in the (5n) fusion-evaporation reaction. Evaporation residues were separated with the gas-filled DQQ spectrometer NASE and implanted into a passivated ion implanted silicon detector which also recorded subsequent α decays. "The spectrum shows two α lines at (8044 $\pm$ 20) keV and (8430 $\pm$ 20) keV which we assigned to ^{226}Np and its granddaughter ^{218}Fr." The measured half-life was 30(8) ms.

Adapted from reference (2013Fr02)

1990Ni05 V. Ninov, F. P. Hessberger, P. Armbruster, S. Hofmann *et al.*, Z. Phys. A **336**, 473 (1990).

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