^{252}No

Mikheev et al. identified ^{252}No in 1967 in "Synthesis of isotopes of element 102 with mass numbers 254, 253, and 252" (1967Mi03). A 96 MeV ^{18}O and a 102 MeV ^{16}O beam from the Dubna 310 cm heavy-ion cyclotron bombarded a ^{239}Pu target forming ^{252}No in (5n) fusion evaporation reactions. Recoil products were transported by a helium gas jet onto a metallic catcher which swiveled in front of a silicon surface barrier detector. "The experimental data obtained confirm the synthesis of the isotope 102^{252} in the reaction $Pu^{239}(O^{18},5n)102^{252}$, with $T_{1/2}$ = 4.5±1.5 sec and E_α = 8.41±0.03 MeV."

Adapted from reference (2013Th02)

1967Mi03 V. L. Mikheev, V. I. Ilyushchenko, M. B. Miller, S. M. Polikanov *et al.*, Soviet J. At. Energy **22**, 90 (1967).

2013Th02 M. Thoennessen, At. Data Nucl. Data Tables **99**, 312 (2013).

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