^{253}No

Mikheev et al. identified ^{253}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 ^{242}Pu target forming ^{253}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. "Thus, all the experimental data obtained confirm that the half-life of the isotope 102^{253} is 95 ± 10 sec and that the energy of the most intense group of the α-particles is 8.01 ± 0.03 MeV." A 10 min half-life assigned to either ^{251}No or ^{253}No (1957Fi53) was incorrect.

Adapted from reference (2013Th02)

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