^{249}Fm

Perelygin et al. described the observation of ^{249}Fm in 1960 in "Experiments in the production of a new fermium isotope" (1959Pe27). A ^{238}U target was bombarded with 84−98 MeV ^{16}O beams from the Moscow 1.5 m cyclotron and ^{249}Fm was produced in the (5n) fusion-evaporation reaction. Recoil products were stopped in an aluminum foil which was quickly moved to NIKFIT-1 photoplates which served as α detectors. "Evidence has been obtained of the formation of a new fermium isotope Fm^{249}, which has a half-life of about 150 sec and an α-particle energy of 7.9±0.3 Mev."

Adapted from reference (2013Th02)

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