^{282}Nh

Oganessian et al. reported the observation of ^{282}Nh in 2007 in "Synthesis of the isotope ^{282}113 in the ^{237}Np+^{48}Ca fusion reaction" (2007Og02). A 244 MeV ^{48}Ca beam from the Dubna U400 cyclotron bombarded a ^{237}Np target and ^{282}Nh was populated in the (3n) fusion evaporation reaction. The residues were separated with a gas-filled recoil separator and implanted in a semiconductor detector array. Subsequent α particle decay and spontaneous fission events were recorded in this array and in eight detectors arranged in a box configuration around the implantation detector. Two decay chains were observed: "Based on the similar α-particle energies and decay times of the first three α transitions, we assign both decay chains to the same parent nucleus, namely ^{282}113 produced in the ^{237}Np(^{48}Ca,3n) reaction."

Adapted from reference (2013Th02)

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