^{228}Np

Kreek et al. described the observation of ^{228}Np in the 1994 paper "Electron-capture delayed fission properties of ^{228}Np" (1994Kr13). A stack of 23 ^{233}U foils were irradiated with a 50 MeV proton beam from the Berkeley 88-inch cyclotron forming ^{228}Np in the (p,6n) reaction. Electron-capture delayed fission was measured following chemical separation. "ECDF was studied in ^{228}Np produced via the ^{233}U(p,6n)^{228}Np reaction. The fission properties and half-life were measured with a rotating-wheel system. The half-life of this isotope was determined to be 61.4±1.4 s from measurements of the fission activity." Previously, Kuznetsov et al. had assigned a 60 sec half-life to either ^{227}Np or ^{228}Np (1966Ku13).

Adapted from reference (2013Fr02)

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