^{229}Pu

In 1994, Andreyev et al. reported the discovery of ^{229}Pu in the paper "New nuclides ^{228,229}Pu" (1994An02). Enriched ^{207}Pb and ^{208}Pb targets were bombarded with a 5.50 MeV/u ^{24}Mg and a 5.58 MeV/u ^{26}Mg beam from the Dubna U400 cyclotron. ^{229}Pu was formed in the reactions ^{207}Pb(^{26}Mg,4n) and ^{208}Pb(^{26}Mg,5n). ^{228}Pu was separated with the VASSILISSA electrostatic separator and implanted into a position sensitive silicon strip detector which also recorded subsequent α decay. "The assignment of the new isotope ^{229}Pu was based on six correlations found, which are summarized in the Table."

Adapted from reference (2013Fr02)

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