^{229}U

Meinke et al. reported the observation of ^{229}U in the 1949 paper "Three additional collateral alpha-decay chains" (1949Me54). Thorium was bombarded with 100−120 MeV ^{4}He beams from the Berkeley 184-inch cyclotron. Alpha-decay chains from ^{228}U and ^{229}U were measured following chemical separation. "The irradiation of thorium with 100-Mev helium ions resulted in the observation of the following collateral branch of the artificial 4n+1, neptunium, radioactive family shown with Po^{213} and its decay products: $_{92}$U^{229} $\xrightarrow{\alpha}{}_{90}$Th^{225} $\xrightarrow{\alpha}{}_{88}$Ra^{221} $\xrightarrow{\alpha}{}_{86}$Em^{217}..."

Adapted from reference (2013Fr03)

1949Me54 W. W. Meinke, A. Ghiorso, and G. T. Seaborg, Phys. Rev. **75**, 314 (1949).

2013Fr03 C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 345 (2013).

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