^{218}Fr

Meinke et al. reported the observation of ^{218}Fr in the 1949 paper "Three additional collateral alpha-decay chains" (1949Me54). Thorium was bombarded with 150 MeV deuterons from the Berkeley 184-inch cyclotron. The α-decay chain from ^{226}Pa was measured following chemical separation. "General considerations with regard to the method of formation and half-life of the parent substance, and the energies of all the members of the series suggest a collateral branch of the 4n+2 family: $_{91}$Pa^{226} $\xrightarrow{\alpha}$ $_{89}$Ac222 $\xrightarrow{\alpha}$ $_{87}$Fr^{218} $\xrightarrow{\alpha}$ $_{85}$At^{214} $\xrightarrow{\alpha}$ $_{85}$Bi^{210}(RaE)."

Adapted from reference (2013Fr09)

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

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