^{234}Am

In 1967, Kuznetsov et al. from Dubna identified ^{234}Am in the paper "Investigation of spontaneously fissile products in the reactions Th^{230} + B^{10} and Th^{230} + B^{11}" (1967Ku17). Enriched ^{230}Th targets were bombarded with ^{10}B and ^{11}B beams forming ^{234}Am in the (6n) and (7n) reactions, respectively. Excitation functions were measured and spontaneous-fission fragments were detected. "From this set of data it follows that the most probable product undergoing spontaneous fission $T_{1/2}$=2.6±0.2 min is Am^{234}." The authors had reported this half-life previously without a mass assignment (1966Ku11).

Adapted from reference (2013Fr02)

1966Ku11 V. I. Kuznetsov, N. K. Skobelev, and G. N. Flerov, Soviet J. Nucl. Phys. **4**, 70 (1967).

1967Ku17 V. I. Kuznetsov, N. K. Skobelev, and G. N. Flerov, Soviet J. Nucl. Phys. **5**, 191 (1967).

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Please cite this abstract as: "FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:10.11578/frib/2279152"