^{127}Sb

The discovery of ^{127}Sb was reported in the 1939 article "The Identification of Some of the Products of Uranium Cleavage" by Abelson (1939Ab04). Uranium samples were irradiated with neutrons produced by bombarding beryllium with 8 MeV deuterons from the Berkeley cyclotron. Absorption and decay curves were measured following chemical separation. "Beta-ray absorption curves of this body and of the lower Te^{127} isomer are identical. These curves are shown in [the figure]. The 10-hour substance is obtained as the daughter of an 80-hour antimony isotope."

Adapted from reference (2013Ka01)

1939Ab04 P. Abelson, Phys. Rev. **55**, 876 (1939).

2013Ka01 J. Kathawa, C. Fry, and M. Thoennessen, At. Data Nucl. Data Tables **99**, 22 (2013).

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