^{230}Fr

In the 1987 article "Collective states in ^{230}Ra fed by β^- decay of ^{230}Fr," Kurcewicz et al. identified ^{230}Fr (1987Ku04). Francium was produced by spallation of ^{238}U with 600 MeV protons from the CERN synchrocyclotron. Gamma-ray singles and $\gamma-\gamma$ coincidences were measured with Ge(Li) detectors after mass separation with the on-line separator ISOLDE II. "A half-life of 19.1±0.5 s for ^{230}Fr has been obtained by means of multispectra analysis using cycles of 20 s collection time followed by 6×7 s measuring time."

Adapted from reference (2013Fr09)

1987Ku04 W. Kurcewicz, E. Ruchowska, P. Hill, N. Kaffrell *et al.*, Nucl. Phys. A **464**, 1 (1987).

2013Fr09 C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 497 (2013).

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