^{138}Te

The first observations of ^{138}Te were described in "The P_n values of the ^{235}U(n_{th},f) produced precursors in the mass chains 90, 91, 93-95, 99, 134 and 137-139" in 1975 by Asghar et al. (1975As04). ^{235}U targets were irradiated with neutrons from the Grenoble high flux reactor. Beta-ray decay curves were measured following mass separation with the Lohengrin mass separator. "The present work led to three new periods corresponding to the new isotopes of selenium..., strontium... and tellurium (^{138}Te, 1.3±0.3 sec)" The reported half-life was 1.3(3) s for ^{138}Te.

Adapted from reference (2013Ka01)

1975As04 M. Asghar, J. P. Gautheron, G. Bailleul, J. P. Bocquet *et al.*, Nucl. Phys. A **247**, 359 (1975).

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