

^{141}I

In 1974, Kratz and Herrmann discovered ^{141}I as published in “Delayed-neutron emission from short-lived Br and I isotopes” (1974Kr21). Enriched ^{235}U was irradiated with thermal neutrons in the Mainz Triga reactor to produce ^{141}I . Neutron decay curves were measured with five ^3He filled proportional counters following chemical separation. “In addition to the known precursors ^{137}I , ^{138}I , ^{139}I and ^{140}I , the iodine fraction, [the figure] shows a component of 0.41 sec half-life attributed to ^{141}I .” Two months later Rudstam et al. (1974Ru08) independently reported a half-life of 0.44 s quoting a compilation (1973To16) and a conference proceeding (1974RuZH). The compilation by Tomlinson quoted the half-life as 0.44(6) s based on an internal report (1970HeZH) and stated that ^{141}I had also been identified in a conference proceedings (1969ScZY). The conference proceeding by Rudstam et al. did contain data on ^{141}I .

Adapted from reference (2013Ka01)

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