

¹⁴⁰I

“Hauptkomponenten unter den Vorläufern verzögerter Neutronen bei der Spaltung von Uran-235 durch thermische Neutronen” reported the first observation of ¹⁴⁰I by Schüssler and Herrmann in 1972 ([1972Sc48](#)). ¹⁴⁰I was produced by irradiating ²³⁵U with thermal neutrons in the Mainz reactor. Neutron decay curves were measured with five ³He filled proportional counters following chemical separation. “A new delayed-neutron precursor, 0.8 sec ¹⁴⁰I, has been identified and another one, 1.1 sec ^{98,99}Y, has been confirmed.”

Adapted from reference ([2013Ka01](#))

- [1972Sc48](#) H. D. Schussler and G. Herrmann, *Radiochim. Acta* **18**, 123 (1972).
[2013Ka01](#) J. Kathawa, C. Fry, and M. Thoennessen, *At. Data Nucl. Data Tables* **99**, 22 (2013).

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