

^{142}I

The observation of ^{142}I was reported by Kratz et al. in the article “Gamma-ray emission from short-lived bromine and iodine isotopes” in 1975 ([1975Kr17](#)). ^{142}I was produced by irradiating ^{235}U with thermal neutrons in the Mainz Triga reactor. Gamma-ray spectra were measured with two Ge(Li) detectors following chemical separation. “In the xenon region there is still a slight evidence for a $\simeq 0.2$ sec growth of ^{142}Xe from ^{142}I .”

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

[1975Kr17](#) K. L. Kratz, W. Lauppe, and G. Herrmann, *Inorg. Nucl. Chem. Lett.* **11**, 331 (1975).

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

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