

¹⁰²Cd

Hansen et al. reported the first observation of ¹⁰²Cd in the paper “Decay Characteristics of Short-Lived Radio-Nuclides Studied by On-Line Isotope Separator Techniques” in 1969 ([1969Ha03](#)). Protons of 600 MeV from the CERN synchrocyclotron bombarded a molten tin target and cadmium was separated using the ISOLDE facility. The paper summarized the ISOLDE program and did not contain details about the individual nuclei other than in tabular form. The measured half-lives of ¹⁰²Cd 5.5(5) m. A previous half-life measurement 30 m ([1966Bu05](#)) could not be confirmed.

Adapted from reference ([2010Am04](#))

- [1966Bu05](#) F. D. S. Butement and M. Y. Mirza, J. Inorg. Nucl. Chem. **28**, 303 (1966).
- [1969Ha03](#) P. G. Hansen, P. Hornshoj, H. L. Nielsen, K. Wilsky *et al.*, Phys. Lett. B **28**, 415 (1969).
- [2010Am04](#) S. Amos and M. Thoennessen, At. Data Nucl. Data Tables **96**, 855 (2010).

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