

¹⁰¹Zr

In “A Study of the Low-Energy Transitions Arising from the Prompt De-Excitation of Fission Fragments,” published in 1970, Watson et al. from the University of California at Berkeley, reported the first observation of ¹⁰¹Zr ([1970Wa05](#)). Fission fragments from the spontaneous fission of ²⁵²Cf were measured in coincidence with X-rays and conversion electrons. In a table, the energy (99 keV) of the first excited state was identified correctly.

The assignment was changed ([2014Th03](#)) from the original compilation ([2012Ny02](#)) which credited a later paper by Trautmann et al. ([1972Tr08](#)) with the discovery of ¹⁰¹Zr.

- [1970Wa05](#) R. L. Watson, J. B. Wilhelmy, R. C. Jared, C. Ruge *et al.*, Nucl. Phys. A **141**, 449 (1970).
- [1972Tr08](#) N. Trautmann, N. Kaffrell, H. W. Behlich, H. Folger *et al.*, Radiochim. Acta **18**, 86 (1972).
- [2012Ny02](#) A. Nystrom and M. Thoennessen, At. Data Nucl. Data Tables **98**, 95 (2012).
- [2014Th03](#) M. Thoennessen, Int. J. Mod. Phys. E **23**, 1430002 (2014).

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