

¹³⁵Nd-1

Isomerism was first established in ¹³⁵Nd by R.Arlt et al. in 1972 at the Joint Institute for Nuclear Research, Dubna, Russia, by measuring a half-life of 15 m ([1972Ar02](#)). This half-life corresponds to the ground state, while 5h 5.5(5) m isomeric state had been observed earlier ([1970Ab07](#)) representing the discovery of ¹³⁵Nd ([2012Gr02](#)).

- [1970Ab07](#) A. A. Abdurazakov, R. Arlt, R. Babadzhinov, G. Baier *et al.*, *Izv. Akad. Nauk SSSR, Ser. Fiz.* **34**, 796 (1970).
- [1972Ar02](#) R. Arlt, V. A. Bystrov, W. Habenicht, E. Herrmann *et al.*, *Nucl. Instrum. Methods* **102**, 253 (1972).
- [2012Gr02](#) J. L. Gross, J. Claes, J. Kathawa, and M. Thoennessen, *At. Data Nucl. Data Tables* **98**, 75 (2012).

Please cite this abstract as: “FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isomer Database, doi:[10.11578/frib/2572219](https://doi.org/10.11578/frib/2572219)”