

## <sup>141</sup>Sm-1

Isomerism was first established in <sup>141</sup>Sm by R.Arlt et al. in 1970 at the Joint Institute for Nuclear Research, Dubna, Russia, by measuring half-lives of 11(1) m and 22.5(5) m ([1970Ar17](#)). The shorter half-life has been assigned to the ground state. The longer isomeric state had been observed earlier ([1967He23](#)) representing the discovery of <sup>141</sup>Sm ([2013Ma01](#)). .

- [1967He23](#) E. Herrmann, G. Pfrepper, and D. Christov, *Radiochim. Acta* **7**, 10 (1967).  
[1970Ar17](#) R. Arlt, G. Baier, G. Musiol, L. K. Peker *et al.*, *Bull. Acad. Sci. USSR* **34**, 754 (1970).  
[2013Ma01](#) E. May and M. Thoennessen, *At. Data Nucl. Data Tables* **99**, 1 (2013).

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)”