

^{181}Tl -1

Isomerism was first established in ^{181}Tl by K.S.Toth et al. in 1998 at Argonne National Laboratory in Illinois, by measuring half-lives of 1.4(5) ms and 3.2(3) s ([1998To14](#)). The longer half-life has been assigned to the ground state. The shorter isomeric state had been observed earlier ([1996To01](#)) representing the discovery of ^{181}Tl ([2013Fr04](#)).

.

- [1996To01](#) K. S. Toth, J. C. Batchelder, C. R. Bingham, L. F. Conticchio *et al.*, Phys. Rev. C **53**, 2513 (1996).
[1998To14](#) K. S. Toth, X. J. Xu, C. R. Bingham, J. C. Batchelder *et al.*, Phys. Rev. C **58**, 1310 (1998).
[2013Fr04](#) C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 365 (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)”