

^{191}Tl -1

Isomerism was first established in ^{191}Tl by P.Misaelides and I.C.Malcolm in 1981 at the Gesellschaft für Schwerionenforschung, Darmstadt, Germany, by measuring a γ -ray cascade populating the previously unknown ground state ([1981Mi11](#)). The half-life of the ground state is still unknown. The previously observed 5.22 m isomeric level ([1974Va19](#)) represents the discovery of ^{191}Tl ([2013Fr04](#)).

- [1974Va19](#) J. Vandlik, N. G. Zaitseva, Z. Mate, I. Mahunka *et al.*, Izv. Akad. Nauk SSSR, Ser. Fiz. **38**, 695 (1974).
[1981Mi11](#) P. Misaelides and I. C. Malcolm, J. Phys. G **7**, 1433 (1981).
[2013Fr04](#) C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 365 (2013).

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