

¹⁶⁹Tm(γ,γ):Mossbauer effect

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 109, 2033 (2008)	15-Jun-2008

See, for example, [1976Wi18](#), [1984Gu02](#), [1984Gu16](#), [1985St12](#), and [1988Bo41](#) for other physical and chemical properties determined in ¹⁶⁹Tm Mossbauer experiments.

¹⁶⁹Tm Levels

E(level) [†]	J ^π [†]	T _{1/2} [†]
0.0	1/2 ⁺	stable
8.410	3/2 ⁺	4.09 ns 5

[†] From Adopted Levels.

$\gamma(^{169}\text{Tm})$

E _{γ} [†]	E _i (level)	J ^π _i	E _f	J ^π _f	Mult.	δ	Comments
8.410	8.410	3/2 ⁺	0.0	1/2 ⁺	M1+E2	0.036 +7-9	Mult., δ : from $\alpha(\text{exp})=290\ 49$, the weighted average of $\alpha(\text{exp})=325\ 35$ (1964Ka02) and $\alpha(\text{exp})=220\ 50$ (1968Wa05).

[†] Adopted value (rounded).

¹⁶⁹Tm(γ,γ):Mossbauer effect

Level Scheme

