

^{154}Tm α decay (8.1 s) [1997To12](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	S. K. Basu, A. A. Sonzogni		NDS 114, 435 (2013)	1-Apr-2013

Parent: ^{154}Tm : E=0.0; $J^\pi=(2^-)$; $T_{1/2}=8.1$ s 3; $Q(\alpha)=5094$ 3; % α decay=54 5

[1997To12](#): source from $^{94}\text{Mo}(^{64}\text{Zn},\text{X})$, E=220 MeV, measured E_α , $\alpha\gamma$ -coincidences.

 ^{150}Ho Levels

E(level)	J^π [†]	$T_{1/2}$ [†]
0.0	(2) ⁻	72 s 4
130.0 1	(1) ⁺	

[†] From Adopted Levels.

 α radiations

E_α	E(level)	I_α [†]	HF	Comments
4825 15	130.0	0.45 20		
4956 3	0.0	99.55	5.6	E_α : from 1997To12 , others: 4955 3 (1973BoXL), 4959 5 (1979Ho10), 4960 30 (1964Ma45) and 4963 10 (1978AfZZ).

[†] For absolute intensity per 100 decays, multiply by 0.54 5.

 $\gamma(^{150}\text{Ho})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
130 1	130.0	(1) ⁺	0.0	(2) ⁻

^{154}Tm α decay (8.1 s) 1997To12Decay Scheme