

^{154}Tm α decay (3.30 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=70 50; $J^\pi=9^+$; $T_{1/2}=3.30$ s 7; $Q(\alpha)=5094$ 3; % α decay=58 5

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

E,J,T: from Adopted Levels.

 ^{150}Ho Levels

E(level)	J^π	$T_{1/2}$
x	(9) ⁺	23.5 s 3
197+x 1		

 α radiations

E_α	E(level)	I_α^\dagger	HF	Comments
4840 15	197+x	0.24 5		
5031 3	x	99.76	1.1	E_α : from 1997To12 , other: 5030 3 (1973BoXL), 5035 5 (1979Ho10), 5040 20 (1964Ma45), 5040 10 (1978AfZZ).

[†] For absolute intensity per 100 decays, multiply by 0.58 5.

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

E_γ	$E_i(\text{level})$	E_f	J_f^π
197 1	197+x	x	(9) ⁺

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