
 ^{149}Tb α decay (4.118 h) [1974To07,1967Go32](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	NDS 110, 507 (2009)		1-Oct-2008

Parent: ^{149}Tb : $E=0.0$; $J^\pi=1/2^+$; $T_{1/2}=4.118$ h 25; $Q(\alpha)=4077.5$ 22; $\% \alpha$ decay=16.7 14

^{149}Tb - $\% \alpha$ decay: From [1972Vy08](#). Others: [1968Wi21](#), [1968Ch30](#), [1967Ko09](#), [1965Gr28](#).

Measured: $E(\alpha)$, $I\alpha$.

 ^{145}Eu Levels

<u>E(level)</u>	<u>J^π[†]</u>
0.0	$5/2^+$
329.5	$7/2^+$

[†] Adopted values.

 α radiations

<u>$E\alpha$</u>	<u>E(level)</u>	<u>$I\alpha$[†]</u>	<u>HF</u>	<u>Comments</u>
3644 3	329.5	0.03 1	170	$I\alpha$: $I(3944\alpha)/I(3967\alpha)=3\times 10^{-4}$ 1 (1967Go32). Other: 2.5×10^{-4} to 4.0×10^{-4} (1967Ch32).
3967 3	0.0	100	9	

[†] For absolute intensity per 100 decays, multiply by 0.167 14.