

^{152}Ho α decay (161.8 s)

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	N. Nica	NDS 117, 1 (2014)	1-Oct-2013

Parent: ^{152}Ho : $E=0.0$; $J^\pi=2^-$; $T_{1/2}=161.8$ s 3; $Q(\alpha)=4507.3$ 13; $\% \alpha$ decay=12 3

^{152}Ho - $\% \alpha$ decay: from 1977Ha48; others: 0.017 3 and 0.03 (1974Sc19), 0.30 +30-15 (1963Ma17).

Measured: $E\alpha$ (1977Ha48,1974PeZS,1973BoXL,1970To16,1967Ha34,1963Ma17), α - γ coin (1987LiZT), branching (1977Ha48,1974Sc19,1963Ma17).

 ^{148}Tb Levels

E(level)	J^π
0.0	2^-
110	4^-
178	2^+
195	3^-
281	3^+

 α radiations

$E\alpha$	E(level)	$I\alpha^\dagger$	HF	Comments
4115	281	<0.2		
4199	195	<0.2		
4215	178	<0.2		
4281	110	<0.2		
4386 3	0.0	100	2.6	$E\alpha$: from 1987LiZT; others: 4387 3 (1973BoXL), 4395 10 (1977Ha48), 4345 15 (1974PeZS), 4380 10 (1970To16), 4370 20 (1967Ha34), 4380 20 (1963Ma17).

† For absolute intensity per 100 decays, multiply by 0.12 3.

 $\gamma(^{148}\text{Tb})$

E_γ	$E_i(\text{level})$	J_i^π	E_f	J_f^π
86	195	3^-	110	4^-
102	281	3^+	178	2^+
110	110	4^-	0.0	2^-
178	178	2^+	0.0	2^-

^{152}Ho α decay (161.8 s)Decay Scheme