
Adopted Levels

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh and Jun Chen [#]		NDS 147, 1 (2018)	30-Nov-2017

$Q(\beta^-)=3.89\times 10^3$ *l*0; $S(n)=555\times 10^1$ *l*0; $S(p)=805\times 10^1$ *l*0; $Q(\alpha)=-102\times 10^1$ *l*0 [2017Wa10](#)

$S(2n)=12540$ *l*00, $S(2p)=17960$ *l*10 ([2017Wa10](#)).

[1968Mo14](#), [1971Gu18](#), [1971Ka02](#): ^{164}Tb produced in $^{164}\text{Dy}(n,p)$ and identified through γ rays following its 3.0-min decay.

[Additional information 1](#).

 ^{164}Tb Levels

E(level)	J^π	$T_{1/2}$	Comments
0	(5 ⁺)	3.0 min <i>l</i>	$\% \beta^- = 100$ $T_{1/2}$: weighted average of 3.2 min 2 (1968Mo14), 2.9 min <i>l</i> (1971Gu18) and 3.0 min <i>l</i> (1971Ka02). J^π : configuration= $\pi 3/2[411] \otimes \nu 7/2[633]$ on the basis of systematics of proton and neutron orbitals, Gallagher-Moszkowski coupling rules, and the absence of strong β^- transition to the 2 ⁺ band of ^{164}Dy .