

Adopted Levels

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	M. J. Martin	NDS 114, 1497 (2013)	3-Jan-2020

S(n)=11385 (syst) 358; S(p)=-831 (syst) 359; Q(α)=2918 (syst) 196 [2017Wa10](#)
 Q(ϵ)=12848 (syst) 246; S(2n)=24925 (syst) 358; S(2p)=1509 (syst) 359; Q(ϵ p)=10062 (syst) 197 [2017Wa10](#)
[Additional information 1.](#)

 ^{152}Lu Levels

<u>E(level)</u>	<u>J$^{\pi}$</u>	<u>T$_{1/2}$</u>	<u>Comments</u>
0.0	(4 $^-$,5 $^-$,6 $^-$)	0.7 s <i>l</i>	$\%_{\epsilon\epsilon} + \%_{\beta^+} = 100$; $\%_{\beta^+p} = 15.7$ T $_{1/2}$: from 1987To02 . Other: 0.6 s <i>l</i> (1988Ni02 , counted p from β^+p). $\%_{\beta^+p}$: from comparison with I(1531 γ) in ^{152}Yb (1988Ni02). J $^{\pi}$: log <i>ft</i> =4.4 2 to (5 $^-$), with little or no feeding to (3 $^-$) or (7 $^-$) levels suggests J $^{\pi}$ =(4 $^-$,5 $^-$,6 $^-$) with perhaps (5 $^-$) being preferred.