
 ^{150}Eu β^- decay (12.8 h) [1968Ku10,1965Gu03](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	S. K. Basu, A. A. Sonzogni		NDS 114, 435 (2013)	1-Apr-2013

Parent: ^{150}Eu : E=42.7 10; $J^\pi=0^-$; $T_{1/2}=12.8$ h 1; $Q(\beta^-)=972$ 4; $\% \beta^-$ decay=89 2

See also [1977Ho08](#).

 ^{150}Gd Levels

E(level)	J^π
0.0	0^+
638.1? 1	2^+

 β^- radiations

E(decay)	E(level)	$I\beta^-^\dagger$	Log ft	Comments
375 4	638.1?	≤ 0.022	$\geq 8.5^{1u}$	av E β =123.4 14 $I\beta^-$: from 1965Gu03 . A weak β branch to this level reported by 1963Yo07 , 1977Ho08 .
1013 4	0.0	100	6.460 13	av E β =345.1 17 $I\beta^-$: calculated by 1976Ba18 from $I\beta^-/I\beta^+=250$ and $I(\text{K x ray})/I\beta^+=15.6$ (1965Gu03) and ^{150}Sm ce's (1961Ha23).

† For absolute intensity per 100 decays, multiply by 0.89 2.