^{150}Dy ε decay (7.17 min) 1974To07,1975Gr35

History

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

Parent: ^{150}Dy: E=0; $J^\pi=0^+$; $T_{1/2}$=7.17 min *5*; Q(ε)=1796 *8*; %ε+%β^+ decay=64 *5*
α: Additional information 1.

^{150}Tb Levels

E(level)	J^π †	$T_{1/2}$ †
0	$(2)^-$	3.48 h *16*
397.2 *3*	1^+	

† From Adopted Levels.

ε,β^+ radiations

E(decay)	E(level)	Iβ^+ †	Iε†	Log *ft*	I($\varepsilon+\beta^+$)†	Comments
(1399 *8*)	397.2	0.082 *8*	99.918 *8*	4.08 *4*	100	av Eβ=183.0 *36*; εK=0.8329; εL=0.12857 *5*; εM+=0.03776 *2*

† For absolute intensity per 100 decays, multiply by 0.64 *5*.

$\gamma(^{150}Tb)$

E_γ	E_i(level)	J_i^π	E_f	J_f^π	Mult.	α	$I_{(\gamma+ce)}$ †	Comments
397.2 *3*	397.2	1^+	0	$(2)^-$	E1	0.00836 *12*	100	α(K)exp=0.0109 *20* (1975Gr35) α(K)=0.00711 *10*; α(L)=0.000980 *14*; α(M)=0.000212 *3*; α(N)=4.88×10^{-5} *7*; α(O)=7.40×10^{-6} *11* α(P)=4.59×10^{-7} *7*; α(N+..)=5.67×10^{-5} *8*

† For absolute intensity per 100 decays, multiply by 0.64 *5*.

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Decay Scheme