^{141}Eu IT decay (2.7 s)

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	N. Nica	NDS 187,1 (2023)	12-Oct-2022

Parent: ^{141}Eu: E=96.45 *7*; $J^{\pi}=11/2^{-}$; $T_{1/2}$=2.7 s *3*; %IT decay=87 *3*
Measured: γ, ce (1989Gi06,1977De25,1973WeZK,1973VaYZ).

^{141}Eu Levels

E(level)	J^{π}†	$T_{1/2}$†	Comments
0.0	$5/2^{+}$	40.7 s *7*	
96.45 *7*	$11/2^{-}$	2.7 s *3*	%IT=87 +*2*−*4* (1989Gi06)

† Adopted values.

$\gamma(^{141}Eu)$

E_{γ}	I_{γ}‡	E_i(level)	J_i^{π}	E_f	J_f^{π}	Mult.	α†	$I_{(\gamma+ce)}$‡	Comments
96.4 *1*	1.84 *9*	96.45	$11/2^{-}$	0.0	$5/2^{+}$	E3	46.3 *7*	87 *3*	ce(K)/(γ+ce)=0.1063 *21*; ce(L)/(γ+ce)=0.667 *8*; ce(M)/(γ+ce)=0.1644 *32* ce(N)/(γ+ce)=0.0366 *8*; ce(O)/(γ+ce)=0.00485 *10*; ce(P)/(γ+ce)=9.97×10^{-6} *21* α(K)=5.03 *7*; α(L)=31.6 *5*; α(M)=7.79 *12* α(N)=1.734 *26*; α(O)=0.2298 *35*; α(P)=0.000472 *7* I_{γ}: from I(γ+ce) and α. Mult.: α(K)exp=5.3 *6* (1977De25).

† Additional information 1.
‡ Absolute intensity per 100 decays.

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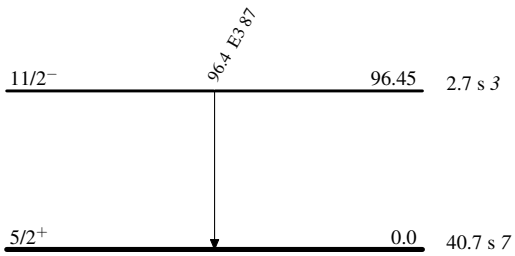
Decay Scheme

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

%IT=87 *3*



$^{141}_{63}Eu_{78}$