^{158}Ho IT decay (28 min) 1968Ab14,1972Ha41,1974AlYS

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	N. Nica	NDS 141, 1 (2017)	1-Feb-2017

Parent: ^{158}Ho: E=67.20 *1*; $J^\pi=2^-$; $T_{1/2}$=28 min *2*; %IT decay=90 *10*

^{158}Ho-%IT decay: from branching >81%.

^{158}Ho-%IT decay: the intensity of the IT decay branch is estimated to be >81% from the I(γ+ce) balance at the 67 level in ^{158}Er ε decay. Published values include 75% (1968Ab14), 90% (1972Ha41), 65% (1974AlYS), and 70% (2011StZX).

^{158}Ho Levels

The J^π and $T_{1/2}$ are from ^{158}Ho Adopted Levels.

E(level)	J^π	$T_{1/2}$
0.0	5^+	
67.20 *1*	2^-	28 min *2*

γ(^{158}Ho)

Iγ normalization: from I(γ+ce)(67)=100 and α(67)=477.

E_γ	I_γ[‡]	E_i(level)	J_i^π	E_f	J_f^π	Mult.	α[†]	Comments
67.20 *1*	100	67.20	2^-	0.0	5^+	E3	477	α(K)=3.85 *6*; α(L)=356 *5*; α(M)=93.1 *13* α(N)=21.1 *3*; α(O)=2.41 *4*; α(P)=0.001608 *23*

[†] Additional information 1.

[‡] For absolute intensity per 100 decays, multiply by 0.00188 *22*.

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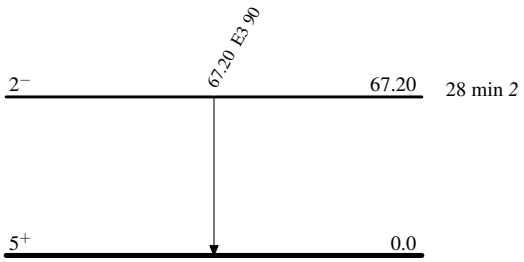
Decay Scheme

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
%IT=90 *10*



$^{158}_{67}Ho_{91}$