^{161}Ho IT decay (6.76 s) 1966Bo02

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	C. W. Reich	NDS 112,2497 (2011)	1-Jun-2011

Parent: ^{161}Ho: E=211.15 *3*; $J^{\pi}=1/2^{+}$; $T_{1/2}$=6.76 s *7*; %IT decay=100.0
Additional information 1.

^{161}Ho Levels

E(level)	J^{π} †	$T_{1/2}$ †
0.0	$7/2^{-}$	2.48 h *5*
211.15 *3*	$1/2^{+}$	6.76 s *7*

† From ^{161}Ho Adopted Levels.

$\gamma(^{161}Ho)$

Iγ normalization: calculated to give 100% decay from isomer.

E_γ	I_γ †	E_i(level)	J_i^{π}	E_f	J_f^{π}	Mult.	α ‡	Comments
211.15 *3*	100	211.15	$1/2^{+}$	0.0	$7/2^{-}$	E3	1.218	α(K)=0.454 *7*; α(L)=0.583 *9*; α(M)=0.1442 *21*; α(N+..)=0.0367 *6* α(N)=0.0327 *5*; α(O)=0.00394 *6*; α(P)=2.55×10^{-5} *4* Mult.: from ^{161}Ho Adopted Gammas.

† For absolute intensity per 100 decays, multiply by 0.455 *8*.
‡ Total theoretical internal conversion coefficients, calculated using the BrIcc code (2008Ki07) with Frozen orbital approximation based on γ-ray energies, assigned multipolarities, and mixing ratios, unless otherwise specified.

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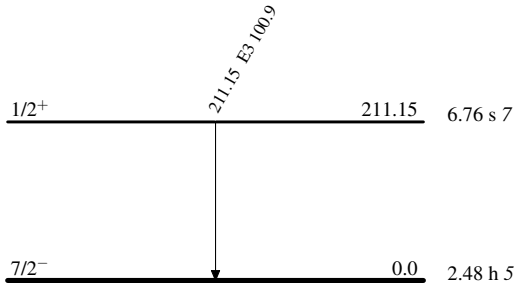
Decay Scheme

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
%IT=100.0



$^{161}_{67}Ho_{94}$