^{121}In IT decay (3.88 min) 1976Fo02

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	S. Ohya	NDS 111, 1619 (2010)	20-Jan-2009

Parent: ^{121}In: E=313.6 *1*; $J^\pi=1/2^-$; $T_{1/2}$=3.88 min *10*; %IT decay=1.2 *2*
^{121}In-%IT decay: from I(ce 313.6γ)/(I(β)+TI(313.6))=0.012 *2* and theoretical α=1.48.
See also ^{121}In β^- decay (3.88 min).

^{121}In Levels

E(level)	J^π†	$T_{1/2}$
0.0	$9/2^+$	23.1 s *6*
313.6 *1*	$1/2^-$	3.88 min *10*

† From Adopted Levels.

$\gamma(^{121}In)$

E_γ	I_γ†	E_i(level)	J_i^π	E_f	J_f^π	Mult.	α‡	Comments
313.6 *1*	100	313.6	$1/2^-$	0.0	$9/2^+$	M4	1.481	α(K)=1.163 *17*; α(L)=0.256 *4*; α(M)=0.0525 *8*; α(N+..)=0.00997 *14* α(N)=0.00942 *14*; α(O)=0.000545 *8* Mult.: from α(K)exp=1.0 *2* (1976Fo02). E_γ: other: 320 keV *1* (1973De24).

† For absolute intensity per 100 decays, multiply by 0.0048 *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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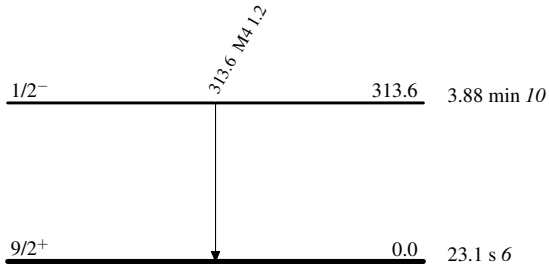
Decay Scheme

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

%IT=1.2 *2*



$^{121}_{49}In_{72}$