^{104}In IT decay (15.7 s) 1989Va05

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 108,2035 (2007)	30-Mar-2007

Parent: ^{104}In: E=93.48 *10*; J^π=(3$^+$); $T_{1/2}$=15.7 s *5*; %IT decay=80.0
^{104}In-%IT decay: From K x ray(In), K x ray(Cd) ratio.
^{92}Mo(^{20}Ne,3p5n).
1989Va05 selected α=104 by means of the mass separator.
Measured: γ, $\gamma\gamma$, β, $\beta\gamma$.

^{104}In Levels

E(level)	J^π	$T_{1/2}$
0.0	(6$^+$)	57.7 min *10*
93.48 *10*	(3$^+$)	15.7 s *5*

$\gamma(^{104}In)$

E_γ †	I_γ †‡	E_i(level)	J_i^π	E_f	J_f^π	Mult.†	α#	$I_{(\gamma+ce)}$‡	Comments
93.5 *1*	1.57	93.48	(3$^+$)	0.0	(6$^+$)	M3	62.6	100	α(K)=43.0 *7*; α(L)=15.64 *24*; α(M)=3.32 *5*; α(N+..)=0.620 *10* α(N)=0.592 *9*; α(O)=0.0284 *5*

† From Adopted Levels, gammas.
‡ For absolute intensity per 100 decays, multiply by 0.8.
# 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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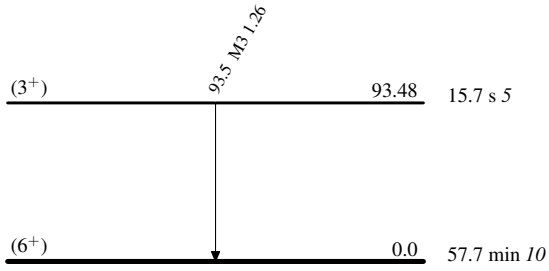
Decay Scheme

Intensities: I_γ per 100 parent decays
%IT=80.0



$^{104}_{49}In_{55}$