^{111}In IT decay (7.7 min) 1966Ma39,1968Sm08,1969Sh11

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 110, 1239 (2009)	1-Feb-2008

Parent: ^{111}In: E=537 *1*; $J^\pi=1/2^-$; $T_{1/2}$=7.7 min *2*; %IT decay=100.0

^{111}In Levels

E(level)	J^π†	$T_{1/2}$†	Comments
0.0	$9/2^+$	2.8049 d *1*	
537 *1*	$1/2^-$	7.7 min *2*	%IT=100 $T_{1/2}$: weighted av: 7.6 min *2* (1969Sh11), 8.5 min *4* (1968Sm08), 7.3 min *5* (1966Ma39). E(level): β^+ unobserved (≤2%) (1966Ma39).

† From Adopted Levels.

$\gamma(^{111}In)$

Iγ normalization: per I(γ+ce)=100 to g.s..

E_i(level)	J_i^π	E_γ	I_γ†	E_f	J_f^π	Mult.	α‡	Comments
537	$1/2^-$	537 *1*	100	0.0	$9/2^+$	M4	0.146	α(K)= 0.1224; α(L)=0.02068 E_γ: from 1969Sh11. Others: 538 *1* (1967Go35), 539 *2* (1966Ma39).

† For absolute intensity per 100 decays, multiply by 0.87 *5*.

‡ 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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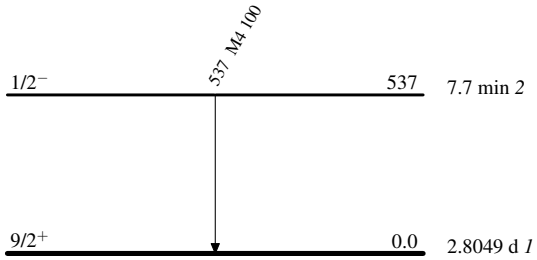
Decay Scheme

Intensities: Relative photon branching from each level
%IT=100.0



$^{111}_{49}In_{62}$