^{119}In IT decay 1973Ra17

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	D. M. Symochko, E. Browne, J. K. Tuli	NDS 110,2945 (2009)	1-Dec-2008

Parent: ^{119}In: E=311.37 *3*; $J^\pi=1/2^-$; $T_{1/2}$=18.0 min *3*; %IT decay≈4.4
^{119}In-%IT decay: Additional information 1.
Additional information 2.
From 1973Ra17. See ^{119}In β^- decay (18 min) for experimental details.
Others: 1976Sc30, 1972Ja31.

^{119}In Levels

E(level)	J^π[†]	$T_{1/2}$	Comments
0	$9/2^+$	2.4 min *1*	$T_{1/2}$: from 1976Sc30.
311.39 *3*	$1/2^-$	18.0 min *3*	%IT≈4.4; %β^-=94.6 $T_{1/2}$: 18.0 min *3* (1976Sc30), 18.0 min *5* (1973Ra17).

[†] From Adopted Levels.

γ(^{119}In)

Iγ normalization: See ^{119}In β^- decay (18 min).

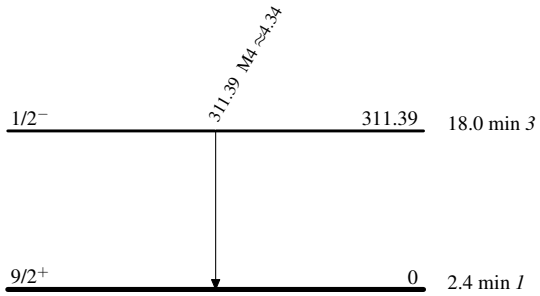
E_γ	I_γ[‡#]	E_i(level)	J_i^π	E_f	J_f^π	Mult.	α[†]	Comments
311.39 *3*	780 *50*	311.39	$1/2^-$	0	$9/2^+$	M4	1.529	α(K)exp=1.1 *2* α(K)=1.200 *17*; α(L)=0.265 *4*; α(M)=0.0544 *8*; α(N+..)=0.01033 *15* α(N)=0.00977 *14*; α(O)=0.000564 *8* α(K)exp from (1976Sc30). Other: 1.05 *30* (1974Mc09).

[†] Additional information 3.
[‡] Relative to 100 for 1025γ with ^{119}In β^- decay (18 min).
[#] For absolute intensity per 100 decays, multiply by ≈0.0022.

^{119}In IT decay 1973Ra17

Decay Scheme

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
%IT≈4.4



$^{119}_{49}In_{70}$