^{111}Ag IT decay (64.8 s) 1978Sh08

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

Parent: ^{111}Ag: E=59.82 *4*; $J^\pi=7/2^+$; $T_{1/2}$=64.8 s *8*; %IT decay=99.3 *2*
^{111}Ag-%IT decay: from Iγ(59.8γ,^{111}Ag) and Iγ(^{111}Cd) via 23.4-min ^{111}Pd source.

^{111}Ag Levels

E(level)	J^π†	$T_{1/2}$	Comments
0.0	$1/2^-$	7.45 d *1*	$T_{1/2}$: from Adopted Levels.
59.8	$7/2^+$	64.8 s *8*	$T_{1/2}$: $T_{1/2}$=64.8 s *8* (1974Gr29) 4$\pi\beta$, on-line ms.

† From Adopted Levels.

γ(^{111}Ag)

Iγ normalization: from α(E3,59.8γ)=186.

E_γ	I_γ†	E_i(level)	J_i^π	E_f	J_f^π	Mult.	α‡	Comments
59.77 *4*	1.0	59.8	$7/2^+$	0.0	$1/2^-$	E3	186	α(K)= 43.0; α(L)= 115.2; α(M)= 23.68; α(N+..)= 4.26 E_γ: from 1978Sh08 (ce). Other: 59.82 *8* (1977Kr14). Mult.: from K/L, L-subshell ratio data (1978Sh08) in ^{111}Pd decay.

† For absolute intensity per 100 decays, multiply by 0.535 *25*.
‡ 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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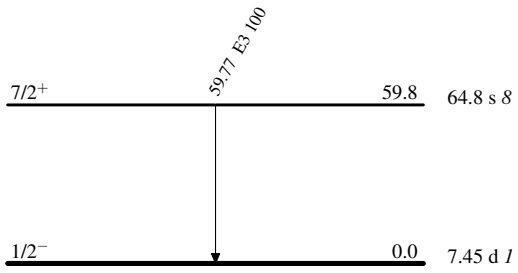
Decay Scheme

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

%IT=99.3 *2*



$^{111}_{47}Ag_{64}$