

^{103}Ag IT decay (5.7 s) 1962Wh02

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	D. De Frenne	NDS 110, 2081 (2009)	1-Mar-2009

Parent: ^{103}Ag : E=134.4; $J^\pi=1/2^-$; $T_{1/2}=5.7$ s 3; %IT decay=100.0

Other: 1969Ha03.

 ^{103}Ag Levels

E(level) [†]	J^π [†]	$T_{1/2}$	Comments
0.0	$7/2^+$	65.7 min 7	$T_{1/2}$: from Adopted Levels.
134.4	$1/2^-$	5.7 s 3	$T_{1/2}$: from 1962Wh02; other: 6.4 s 8 (1969Ha03).

[†] From Adopted Levels.

 $\gamma(^{103}\text{Ag})$

I_γ normalization: from $I_\gamma(134\gamma, E3)$ and $\alpha=3.67$ I.
an uncertainty of 1.4% on the theoretical α was considered.

E_γ [†]	I_γ [‡]	$E_i(\text{level})$	J_i^π	E_f	J_f^π	Mult.	α [#]	Comments
134.44 4	100	134.4	$1/2^-$	0.0	$7/2^+$	E3	3.67 6	$\alpha(\text{K})_{\text{exp}}=1.7$ 7 (1962Wh02) $\text{ce}(\text{K})/(\gamma+\text{ce})=0.62$; $\text{ce}(\text{L})/(\gamma+\text{ce})=0.31$ Mult.: K/(L+M)=1.5 2 (1969Ha03).

[†] From adopted gammas.

[‡] For absolute intensity per 100 decays, multiply by 0.214 5.

[#] Total theoretical internal conversion coefficients, calculated using the BrIcc code (2008Ki07) with Frozen orbital approximation based on γ -ray energies, assigned multiplicities, and mixing ratios, unless otherwise specified.

 ^{103}Ag IT decay (5.7 s) 1962Wh02Decay Scheme

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
%IT=100.0

