

$^{113}\text{Ag}$  IT decay [1990Fo07](#)

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 111, 1471 (2010)	1-May-2009

Parent:  $^{113}\text{Ag}$ : E=43.6 2;  $J^\pi=7/2^+$ ;  $T_{1/2}=68.7$  s 16; %IT decay=64 7

Activity:  $^{235}\text{U}$ (n,f) on-line mass separator OSIRIS.

Measured  $\gamma$ ,  $I_\gamma$ ,  $\gamma\gamma$ ,  $\gamma(t)$ ,  $\beta$ ,  $\beta\gamma$ , ce, Ge(Li), Si detector ([1988FoZY](#)).

%IT: [1990Fo07](#) have measured %IT=64 7.

 $^{113}\text{Ag}$  Levels

E(level)	$J^\pi$	$T_{1/2}^\dagger$
0.0	$1/2^-$	5.37 h 5
43.6 2	$7/2^+$	68.7 s 16

$^\dagger$  From Adopted Levels.

 $\gamma(^{113}\text{Ag})$ 

$E_\gamma$	$I_\gamma^\dagger$	$E_i(\text{level})$	$J_i^\pi$	$E_f$	$J_f^\pi$	Mult.	$\alpha^\ddagger$	$I_{(\gamma+ce)}^\dagger$	Comments
43.6 2	0.64 7	43.6	$7/2^+$	0.0	$1/2^-$	E3	1047	100	ce(K)/( $\gamma+ce$ )=0.091 3; ce(L)/( $\gamma+ce$ )=0.711 22; ce(M)/( $\gamma+ce$ )=0.148 5 $\alpha(K)\text{exp}=90$ 40; $\alpha(L)\text{exp}=700$ 300 B(E3)(W.u.)=0.048 6

$^\dagger$  For absolute intensity per 100 decays, multiply by 0.64 7.

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

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 $^{113}\text{Ag}$  IT decay 1990Fo07Decay Scheme

Intensities:  $I_{(\gamma+ce)}$  per 100 parent decays  
%IT=64.7

