

$^{83}\text{Y}$  IT decay (2.85 min)

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	E. A. Mccutchan	NDS 125, 201 (2015)	31-Dec-2014

Parent:  $^{83}\text{Y}$ : E=62.04 10;  $J^\pi=3/2^-$ ;  $T_{1/2}=2.85$  min 2; %IT decay=40 5

$\alpha$ : [Additional information 1](#).

 $^{83}\text{Y}$  Levels

E(level) <sup>†</sup>	$J^\pi$ <sup>†</sup>	$T_{1/2}$ <sup>†</sup>
0.0	9/2 <sup>+</sup>	7.08 min 8
62.04 10	3/2 <sup>-</sup>	2.85 min 2

<sup>†</sup> From the Adopted Levels.

 $\gamma(^{83}\text{Y})$ 

$E_\gamma$ <sup>†</sup>	$I_\gamma$ <sup>‡#</sup>	$E_i$ (level)	$J_i^\pi$	$E_f$	$J_f^\pi$	Mult. <sup>†</sup>	$\alpha$	$I_{(\gamma+ce)}$ <sup>#</sup>	Comments
62.1 3	1.09 3	62.04	3/2 <sup>-</sup>	0.0	9/2 <sup>+</sup>	E3	90.8 25	100	ce(K)/( $\gamma$ +ce)=0.497 14; ce(L)/( $\gamma$ +ce)=0.411 13; ce(M)/( $\gamma$ +ce)=0.073 3; ce(N)/( $\gamma$ +ce)=0.0083 4; ce(O)/( $\gamma$ +ce)= $6.07 \times 10^{-5}$ 22 $\alpha$ (K)exp=73 18, ce(K)/(ce(L)+ce(M)+ce(N))exp= 1.06 37 (1987Ra06).

<sup>†</sup> From the Adopted Gammas.

<sup>‡</sup> Deduced by evaluator from  $I(\gamma+ce)=100$  and  $\alpha$ .

<sup>#</sup> For absolute intensity per 100 decays, multiply by 0.40 5.

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 **$^{83}\text{Y}$  IT decay (2.85 min)****Decay Scheme**

Intensities:  $I(\gamma+ce)$  per 100 parent decays  
%IT=40.5

