

$^{183}\text{Pt}$  IT decay 1998Ro32,2000Ro41

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 134, 149 (2016)	15-Apr-2015

Parent:  $^{183}\text{Pt}$ :  $E=34.74$  7;  $J^\pi=7/2^-$ ;  $T_{1/2}=43$  s 5; %IT decay=3.1 8

Total energy release for this decay scheme is 0.18 3 cf. QxBR=1.1 3.

 $^{183}\text{Pt}$  Levels

E(level) <sup>†</sup>	$J^\pi$ <sup>‡</sup>	$T_{1/2}$	Comments
0.0	$1/2^-$		
35.0 1	$7/2^-$	43 s 5	% $\epsilon$ +% $\beta^+$ =96.9 8; %IT=3.1 8 (1998Ro32); % $\alpha$ < $4\times 10^{-4}$ $T_{1/2}$ : from Adopted Levels.

<sup>†</sup> From  $E_\gamma$ .

<sup>‡</sup> From Adopted Levels.

 $\gamma(^{183}\text{Pt})$ 

$E_\gamma$	$I_\gamma$ <sup>‡</sup>	$E_i(\text{level})$	$J_i^\pi$	$E_f$	$J_f^\pi$	Mult.	$\alpha$ <sup>†</sup>	$I_{(\gamma+ce)}$ <sup>‡</sup>	Comments
35.0 1	$5.85\times 10^{-4}$ 14	35.0	$7/2^-$	0.0	$1/2^-$	M3	$1.71\times 10^5$ 4	100	ce(L)/( $\gamma$ +ce)=0.708 13; ce(M)/( $\gamma$ +ce)=0.225 7 ce(N)/( $\gamma$ +ce)=0.0576 19; ce(O)/( $\gamma$ +ce)=0.0091 3; ce(P)/( $\gamma$ +ce)=0.000159 5 $\alpha$ (L)= $1.21\times 10^5$ 3; $\alpha$ (M)= $3.86\times 10^4$ 9; $\alpha$ (N)= $9.87\times 10^3$ 23; $\alpha$ (O)= $1.56\times 10^3$ 4; $\alpha$ (P)=27.3 6 $I_\gamma$ : from $I(\gamma+ce)=100$ and $\alpha$ (M3). Mult.: from L1:L2:L3=36 7:<36:179 38 (1998Ro32); I(L3) rounded to 180 40 In 2000Ro41.

<sup>†</sup> Additional information 1.

<sup>‡</sup> For absolute intensity per 100 decays, multiply by 0.031 8.

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 **$^{183}\text{Pt}$  IT decay 1998Ro32,2000Ro41**Decay Scheme

Intensities:  $I_{(\gamma+ce)}$  per 100 parent decays  
%IT=3.1 8

