

$^{248}\text{Cm}$  SF decay 2007Rz02

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. K. Tuli, E. Browne		NDS 157, 260 (2019)	1-Mar-2019

Parent:  $^{248}\text{Cm}$ :  $E=0.0$ ;  $J^\pi=0^+$ ;  $T_{1/2}=348\times 10^3$  y 6; %SF decay=8.39 16

$^{248}\text{Cm}$ - $T_{1/2}$ : From ENSDF.

$^{248}\text{Cm}$ -%SF decay: From  $^{248}\text{Cm}$  Adopted Levels in ENSDF.

Measured  $E_\gamma$ ,  $I_\gamma$ ,  $\gamma\gamma$  coin,  $\gamma\gamma(\theta)$  using EUROAM2, ACS array following the spontaneous fission of  $^{248}\text{Cm}$ .

 $^{82}\text{Ge}$  Levels

E(level) <sup>†</sup>	$J^\pi$	$T_{1/2}$	Comments
0.0	$0^+$	4.0 s 7	$T_{1/2}$ : From Adopted Levels.
1348.5 3	$2^+$		
2287.0 5	$(4^+)$		
2933.0 6	$(5,6^+)$		
3227.5 6	$(5,6^+)$		

<sup>†</sup> From  $E_\gamma$ 's, assuming 0.3 keV uncertainty.

 $\gamma(^{82}\text{Ge})$ 

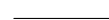


$E_\gamma$	$I_\gamma$	$E_i(\text{level})$	$J_i^\pi$	$E_f$	$J_f^\pi$
646.0	15 4	2933.0	$(5,6^+)$	2287.0	$(4^+)$
938.5	60 7	2287.0	$(4^+)$	1348.5	$2^+$
940.5	20 4	3227.5	$(5,6^+)$	2287.0	$(4^+)$
1348.5	100 10	1348.5	$2^+$	0.0	$0^+$

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## Level Scheme

Intensities: Relative  $I_\gamma$ 

## Legend

-   $I_\gamma < 2\% \times I_\gamma^{max}$
-   $I_\gamma < 10\% \times I_\gamma^{max}$
-   $I_\gamma > 10\% \times I_\gamma^{max}$

