
 ^{248}Cm SF decay [1991Ho16](#)

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	NDS 145, 25 (2017)	1-Jul-2017

Parent: ^{248}Cm : $E=0$; $J^\pi=0^+$; $T_{1/2}=3.48\times 10^5$ y 6; %SF decay=?

[Additional information 1.](#)

 ^{99}Y Levels

$E(\text{level})^\dagger$	$J^\pi^\ddagger$
0.0	(5/2 ⁺)
125.1	(7/2 ⁺)
283.8	(9/2 ⁺)
482.4	(11/2 ⁺)
706.2	(13/2 ⁺)
975.9	(15/2 ⁺)
1259.2	(17/2 ⁺)

[†] From E_γ in [1991Ho16](#).

[‡] From Adopted Levels.

 $\gamma(^{99}\text{Y})$

E_γ	$I_\gamma^\dagger$	$E_i(\text{level})$	J_i^π	E_f	J_f^π	E_γ	$I_\gamma^\dagger$	$E_i(\text{level})$	J_i^π	E_f	J_f^π
125.1		125.1	(7/2 ⁺)	0.0	(5/2 ⁺)	283.8	8	283.8	(9/2 ⁺)	0.0	(5/2 ⁺)
158.7	100	283.8	(9/2 ⁺)	125.1	(7/2 ⁺)	357.3	14	482.4	(11/2 ⁺)	125.1	(7/2 ⁺)
198.6	55	482.4	(11/2 ⁺)	283.8	(9/2 ⁺)	422.4	16	706.2	(13/2 ⁺)	283.8	(9/2 ⁺)
223.8	47	706.2	(13/2 ⁺)	482.4	(11/2 ⁺)	493.5	16	975.9	(15/2 ⁺)	482.4	(11/2 ⁺)
269.7	28	975.9	(15/2 ⁺)	706.2	(13/2 ⁺)	553.0	14	1259.2	(17/2 ⁺)	706.2	(13/2 ⁺)
283.3	13	1259.2	(17/2 ⁺)	975.9	(15/2 ⁺)						

[†] From I_γ in [1991Ho16](#). Measured fast γ , $\gamma\gamma$.

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Level Scheme

Intensities: Type not specified

Legend

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

