<div align="center">

^{248}**Cm SF decay**   **1990Ho12,1991Ho16**

</div>

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 108,2035 (2007)	30-Mar-2007

Parent: ^{248}Cm: E=0.0; J^{π}=0$^+$; $T_{1/2}$=3.48×10^5 y 6; %SF decay=?

Assignment: (fragment)(fragment)(K x ray)(γ) coin and (fragment)(γ)(γ) coin.

^{248}Cm SF decay 1990Ho12. 6.5×10^4 fissions/s. Argonne Notre Dame γ facility 10 Bi-germinate-suppressed Ge detectors, 2 small Ge detector, 1 array of 50 Bi-Gescin used as a multiplicity filter. They select only fission fragments with an average γ multiplicity of≈10. The assignment is mainly based on coin with complementary Ba isotopes.

<div align="center">

^{104}Zr Levels

</div>

E(level)	J^{π}[†]
0.0[‡]	0$^+$
140.3[‡]	(2$^+$)
452.8[‡]	(4$^+$)
926.5[‡]	(6$^+$)
1551.3[‡]	(8$^+$)

[†] From Adopted Levels.
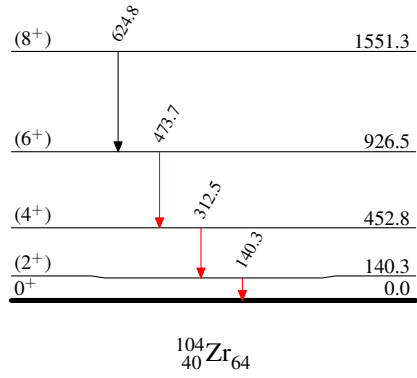[‡] Band(A): g.s. band.

<div align="center">

$\gamma(^{104}$Zr)

</div>

E_{γ}[†]	I_{γ}[†]	E_i(level)	J^{π}_i	E_f	J^{π}_f
140.3	100	140.3	(2$^+$)	0.0	0$^+$
312.5	93	452.8	(4$^+$)	140.3	(2$^+$)
473.7	46	926.5	(6$^+$)	452.8	(4$^+$)
624.8	10	1551.3	(8$^+$)	926.5	(6$^+$)

[†] From 1991Ho16.

From ENSDF - Evaluated March 2007

^{248}Cm SF decay   1990Ho12,1991Ho16

Level Scheme

Intensities: Relative $I_{(\gamma+ce)}$

Legend

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

(8^+) 624.8   1551.3

(6^+) 473.7   926.5

(4^+) 312.5   452.8

(2^+) 140.3   140.3

0^+ 0.0

$^{104}_{40}Zr_{64}$

^{248}Cm SF decay   1990Ho12,1991Ho16

Band(A): g.s. band

(8$^+$)   1551.3

625

(6$^+$)   926.5

474

(4$^+$)   452.8

312

(2$^+$)   140.3

140

0$^+$ 0.0

$^{104}_{40}$Zr$_{64}$