

$^{248}\text{Cm}, ^{252}\text{Cf}$ SF decay [2012Ku06](#)

| Type | Author | History | Citation | Literature Cutoff Date |
|-----------------|---------------------------|---------|-------------------|------------------------|
| Full Evaluation | Balraj Singh and Jun Chen | | NDS 116, 1 (2014) | 31-Dec-2013 |

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

Parent: ^{252}Cf : $E=0$; $J^\pi=0^+$; $T_{1/2}=2.645$ y 8; %SF decay=?

Measured prompt γ and $\gamma\gamma$ coin spectra using Eurogam2 array for ^{248}Cm SF decay, and Gammasphere array for ^{252}Cf SF decay.

The detailed results of these studies are not given in [2012Ku06](#).

 ^{85}Se Levels

| <u>E(level)</u> | <u>J^π†</u> | <u>$T_{1/2}$†</u> |
|-----------------|----------------------------|------------------------------|
| 0 | (5/2) ⁺ | 32.9 s 3 |
| 1115 | (7/2) ⁺ | |
| 1437 | (9/2) ⁺ | |
| 1975 | | |
| 2373 | | |

† From Adopted Levels.

 $\gamma(^{85}\text{Se})$

| <u>E_γ</u> | <u>$E_i(\text{level})$</u> | <u>J_i^π</u> | <u>E_f</u> | <u>J_f^π</u> |
|------------------------------|---------------------------------------|-----------------------------|-------------------------|-----------------------------|
| 322 | 1437 | (9/2) ⁺ | 1115 | (7/2) ⁺ |
| 397 | 2373 | | 1975 | |
| 539 | 1975 | | 1437 | (9/2) ⁺ |
| 1115 | 1115 | (7/2) ⁺ | 0 | (5/2) ⁺ |
| 1437 | 1437 | (9/2) ⁺ | 0 | (5/2) ⁺ |

 $^{248}\text{Cm}, ^{252}\text{Cf}$ SF decay 2012Ku06Level Scheme