

**<sup>261</sup>Rf  $\alpha$  decay (2.1 s) 2011Ha13**

| Type            | Author                | History              | Citation | Literature Cutoff Date |
|-----------------|-----------------------|----------------------|----------|------------------------|
| Full Evaluation | E. Browne, J. K. Tuli | NDS 114, 1041 (2013) |          | 1-Mar-2012             |

Parent: <sup>261</sup>Rf: E=0+y; T<sub>1/2</sub>=2.1 s 4; Q( $\alpha$ )=8651 50; % $\alpha$  decay=27 6

<sup>261</sup>Rf-Q( $\alpha$ ): From E $\alpha$ =8250 keV 50 (2011Ha13).

<sup>261</sup>Rf-T<sub>1/2</sub>: Weighted average of 1.9 s 4 (2011Ha13), 3 s 1 (2008Du09), 4.2 s +34-13 (2003Tu05,2002Ho11). Other: 3.26 s (1996Ho13).

<sup>261</sup>Rf-% $\alpha$  decay: From 2011Ha13. Others: % $\alpha$ =9, %SF=91 (2008Du09), %SF $\approx$ 40 (2003Tu05,2002Ho11), %SF=73 6 (2011Ha13).

[Additional information 1.](#)

<sup>248</sup>Cm<sup>18</sup>O,5n)<sup>261</sup>Rf parent of <sup>257</sup>No (2011Ha13).

<sup>257</sup>No Levels

| E(level) | T <sub>1/2</sub> | Comments                                                                                                |
|----------|------------------|---------------------------------------------------------------------------------------------------------|
| 0        | 24.5 s 5         | T <sub>1/2</sub> : From Adopted Levels. Other values: 24 s 3, 22 s +14-6 (2011Ha13); 10.3 s (2002Ho11). |

$\alpha$  radiations

| E $\alpha$ | E(level) | I $\alpha$ <sup>†</sup> | Comments                                                 |
|------------|----------|-------------------------|----------------------------------------------------------|
| 8520 50    | 0        | 100                     | E $\alpha$ ,I $\alpha$ : From 2011Ha13. Other: 2002Ho11. |

<sup>†</sup> For absolute intensity per 100 decays, multiply by 0.27 6.