

Adopted Levels

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Agda Artna-cohen	NDS 88,155 (1999)	31-Jul-1999

$Q(\beta^-) = -2.32 \times 10^3$  syst;  $S(n) = 5.7 \times 10^3$  syst;  $S(p) = 4.6 \times 10^3$  syst;  $Q(\alpha) = 8.25 \times 10^3$  syst [2012Wa38](#)

Note: Current evaluation has used the following Q record -2360 syst 5600 syst 4600 syst 8300 syst [1995Au04](#).

Estimated  $\Delta Q(\beta^-) = 250$ ,  $\Delta S(n) = 400$ ,  $\Delta S(p) = 400$ ,  $\Delta Q(\alpha) = 160$  ([1995Au04](#)).

Calculations, compilations:

g.s. properties: [1997Mo25](#), [1995Mo29](#).

Single-particle Nilsson levels: [1994Cw02](#).

[1994Cw02](#) calculate the following single-particle level sequence: g.s.  $9/2[615]$ , 0.04 MeV  $7/2[613]$ , 0.08 MeV  $11/2[725]$ , 0.12 MeV  $3/2[622]$ , 0.16 MeV  $1/2[620]$ .

 $^{263}\text{Rf}$  Levels

E(level)	$T_{1/2}$	Comments
0.0	10 min 2	$\% \alpha = 30$ ; $\% \text{SF} = ?$ $T_{1/2, \% \alpha}$ : cited in <a href="#">1997Au04</a> . $T_{1/2}$ : calculated $T_{1/2}(\alpha) \approx 6 \times 10^5$ s ( <a href="#">1997Mo25</a> ); $T_{1/2}(\alpha) \approx 4 \times 10^3$ s ( <a href="#">1990Ha26</a> ); $T_{1/2}(\alpha) \approx 2 \times 10^5$ s, $T_{1/2}(\text{SF}) \approx 1 \times 10^4$ s ( <a href="#">1988Lo03</a> ).