Adopted Levels

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Y. Akovali	NDS 94,131 (2001)	1-Aug-2001

Q(β^-)=−2.9×10^3 *syst*; S(n)=6.7×10^3 *syst*; S(p)=2.2×10^3 *syst*; Q(α)=8.31×10^3 *syst* 2012Wa38
Note: Current evaluation has used the following Q record −2800 syst 6690 syst 2200 syst 8310 syst 1995Au04.

For calculations of fission barriers, see 1985Cw01.
Partial half-life for SF decay was calculated by 1985Lo17.
For calculations of levels and configurations, see 2000So15.

Assignment:
^{238}U(^{19}F,7n) excitation function, parent of ^{250}Fm (1965Do09)
^{243}Am(^{12}C,5n), ^{243}Am(^{13}C,6n) excitation functions (1973Es01)

^{250}Md Levels

Cross Reference (XREF) Flags

A ^{254}Lr α decay

E(level)	$T_{1/2}$	XREF	Comments
0.0	52 s *6*	A	%ε=93 *3*; %α=7 *3* $T_{1/2}$: measurement by 1973Es01. Other measurement: 40 s *+37−13* (1985He22). %α and %ε are obtained from $\varepsilon/(\alpha+\varepsilon)$=0.94 *3*, determined by 1973Es01 from comparison of ^{250}Fm (ε daughter) α counts and ^{250}Md α counts. Other measurement:%α=13 *10* (1985He22). ε-delayed fission was measured, and branching of 0.02 *+2−1* per 100 ε decays was determined by 1980Ga07. Analogy to ^{255}Md, ^{257}Md ground states for the 101st proton orbital and analogy to ^{245}Cm, ^{247}Cf for the 149th neutron, the ^{250}Md g.s. possibly has the 7$^-$,(p 7/2[514],n 7/2[624]) configuration.
≈250		A	
≈310		A	