Adopted Levels

| | | History | |
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	C. D. Nesaraja	NDS 130, 183 (2015)	30-Sep-2015

Q(β^-)=−5260; S(n)=8410 *SY*; S(p)=1420 *SY*; Q(α)=8250 *SY*   2012Wa38

Δ(Q(β^-))=370, Δ(S(n))=460 , Δ(S(p))=230 and Δ(Q(α))=210 (syst, 2012Wa38). The measured Eα group of 8113 *20* gives Q(α)=8250 *20* with the α group being a g.s to g.s transition.

Experimental Studies:

1996Ni06: Alpha decay properties measured from the decay of ^{245}Md.

Theoretical/Systematical Studies:

2010Do08: Calculated half-life for the isomeric state in ^{241}Es using the WKB approximation and Royer′s formula.

^{241}Es Levels

E(level)[†]	T$_{1/2}$	Comments
0.0	8 s +6−5	%α=?; %ε+%β^+=?
		T$_{1/2}$: From 1996Ni09.
		J$^\pi$: Systematics (see 1972El21) suggests that the g.s. has the configuration 3/2[521] or 7/2[623].
0+x		
x+41		E(level): the uncertainty in the E=41 component of the energy is 28 keV.

[†] Two α groups are reported in ^{245}Md α decay, with ΔQ(α)=41 *28*. These two groups define levels at E=x and E=x+41 *28*. If the highest-energy group feeds the g.s., then x=0.