Adopted Levels

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Y. A. Akovali	NDS 87,301 (1999)	1-Oct-1998

Q(β^-)=−2.88×10^3 *syst*; S(n)=6.39×10^3 *syst*; S(p)=1.98×10^3 *syst*; Q(α)=9.50×10^3 *syst* 2012Wa38
Note: Current evaluation has used the following Q record −2802 syst 6483 syst 1887 syst 9371 72 1995Au04.

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Assignment: 243Am(22Ne,5n)        excit   (1968Fl09,1970FlZY,1971Dr01)
            249Cf(15N,4n),        p 256Lr   (1970Gh02,1977Be36)
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^{260}Db Levels

Cross Reference (XREF) Flags

A ^{264}Bh α decay

E(level)	$T_{1/2}$	XREF	Comments
0.0	1.52 s *13*		%α≥90.4 *6*; %SF≤9.6 *6*; %ε<2.5 $T_{1/2}$: the measured half-lives are 1.52 s *13* (1977Be36), 1.4 s *+6−3* (1971Dr01), 1.6 s *3* (1970Gh02). From α counts and spontaneous-fission events, 1977Be36 obtained %α=90.4 *6*, %SF=9.6 *6*. Most of the interfering longer-lived SF events were subtracted. Because of some uncertainty in SF events′ origin, as pointed out by 1977Be36, this SF branching should be considered an upper limit (following α and ε decays, the granddaughter ^{256}No also decays by spontaneous fission; if ^{260}Db ε decays, then the observed SF events are expected to include contributions from the SF decay of ^{260}Rf, too). The upper limit for ε decay was determined by 1977Be36 from absence of Lawrencium x-rays in their spectrum. Other measurements: %SF<20, %ε<20 (1970Gh02). Theoretical calculations of 1997Mo25 yield $T_{1/2}(\alpha)$=4.07 s, $T_{1/2}(\beta)$>100 s. See 1985Lo17 for calculated SF half-life. For calculated fission barriers, see, for example, 1985Cw01.
≈200		A	
≈346		A	