

Adopted Levels

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	M. S. Basunia	NDS 107,3323 (2006)	15-Mar-2006

$Q(\beta^-)=2427$ 21; $S(n)=4371$ 22; $S(p)=8.55\times 10^3$ 5; $Q(\alpha)=3208$ 23 [2012Wa38](#)

Note: Current evaluation has used the following Q record 2600 [SY4300](#) [SY8600](#) [SY3000](#) syst [2003Au03](#).

$\Delta Q(\beta^-)=400$ (syst), $\Delta S(n)=400$ (syst), $\Delta S(p)=600$ (syst), $\Delta Q(\alpha)=300$ (syst) [2003Au03](#).

$^{238}\text{U}(n,2px)$, $E=14$ MeV; measured γ , $\gamma(t)$ ([1993Yu03](#)).

 ^{237}Th Levels

<u>E(level)</u>	<u>J$^\pi$</u>	<u>T$_{1/2}$</u>	<u>Comments</u>
0.0	(5/2 ⁺)	4.8 min 5	$\% \beta^- = 100$ T $_{1/2}$: Weighted average of 4.69 min 60 (2000Xu02) and 5.0 min 9 (1993Yu03). J $^\pi$: from syst at N=147 nuclides.