

Adopted Levels

<u>Type</u>	<u>Author</u>	<u>History</u>	<u>Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	E. Browne, J. K. Tuli	NDS	108,681 (2007)	1-Jun-2006

$Q(\beta^-)=4227$ 15; $S(n)=4538$ 20; $S(p)=6770$ 22; $Q(\alpha)=2906$ 21 [2012Wa38](#)

Note: Current evaluation has used the following Q record 4490 SY4470 SY6950 SY3080 syst [2003Au03](#).

$\Delta Q(\beta^-)=400$ syst, $\Delta S(n)=500$ syst, $\Delta S(p)=620$ syst, $\Delta Q(\alpha)=200$ syst ([2003Au03](#)).

Assignment: natural W($^{238}\text{U}, X$) mass separation, parent ^{234}Th ([1986Gi08](#)).

 ^{234}Ac Levels

<u>E(level)</u>	<u>$T_{1/2}$</u>	<u>Comments</u>
0.0	44 s 7	$\% \beta^- = 100$ Only β^- decay has been observed. $T_{1/2}$: measured by 1986Gi08 . $J^\pi=(1^+)$ was suggested by 1986Gi08 from analogy to ^{230}Ac and ^{232}Ac , and from apparent β feedings to low-spin states in ^{234}Th . The 1/2[400] Nilsson state was proposed by 1986Gi08 for ^{231}Ac and ^{233}Ac . A possible configuration for ^{234}Ac could be: (π 1/2[400], ν 1/2[631]) 1^+ .