

Adopted Levels

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	S. -c. Wu	NDS 106,619 (2005)	1-Nov-2005

$Q(\beta^-)=3.08\times 10^3$ I0; $S(n)=4.89\times 10^3$ I0; $S(p)=9.2\times 10^3$ syst; $Q(\alpha)=3.\times 10^2$ syst [2012Wa38](#)

Note: Current evaluation has used the following Q record 3040 syst 4930 syst 9240 syst 60 syst [2003Au03](#).

$\Delta Q(\beta)=200$, $\Delta S(n)=200$, $\Delta S(p)=450$, $\Delta Q(\alpha)=450$ ([2003Au03](#)).

Activity produced in $^{186}\text{W}(n,2p)$, $E(n)=14$ MeV, using a 99.85% enriched target. ^{185}Hf was identified by chemical separation and by detection of known γ rays from the β^- decay of the daughter nucleus ^{185}Ta . Measured $E\gamma$, $I\gamma$. Detector: HpGe ([1993Yu01](#),[1993Zh07](#)).

 ^{185}Hf Levels

E(level)	$T_{1/2}$	Comments
0.0	3.5 min 6	$\% \beta^- = 100$ Analogy with N=113 isotones for higher mass numbers suggests $J^\pi=3/2^-$. Population of 164.5-keV ($J^\pi=9/2^+$) level in ^{185}Ta suggests a higher spin for ^{185}Hf . $T_{1/2}$: from 1993Yu01 .