

Adopted Levels 1982Ki04

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	S. -c. Wu	NDS 106,367 (2005)	31-Aug-2005

$Q(\beta^-)=2.61\times 10^3$ 16; $S(n)=6.19\times 10^3$ 18; $S(p)=7.5\times 10^3$ syst; $Q(\alpha)=2.\times 10^2$ syst 2012Wa38

Note: Current evaluation has used the following Q record 2670 syst 6130 syst 7620 syst 300 syst 2003Au03.

$\Delta Q(\beta^-)=300$, $\Delta S(n)=310$, $\Delta S(p)=500$, $\Delta Q(\alpha)=420$ from 2003Au03.

1982Ki04: ^{181}Lu produced by W, Ta($^{136}\text{Xe},X$) at 9 MeV/A; Mass separated source.

 ^{181}Lu Levels

E(level)	J^π	$T_{1/2}$	Comments
0.0	(7/2 ⁺)	3.5 min 3	$\% \beta^- = 100$ J^π : from systematics of odd-A Lu isotopes. The ground states of ^{167}Lu - ^{179}Lu have been identified as the 7/2[404] bandheads. Also, the decay of ^{181}Lu appears to primarily populate states in ^{181}Hf with $J>3/2$. $T_{1/2}$: from 1982Ki04.