Adopted Levels

	History		
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. Achterberg, O. A. Capurro, G. V. Marti	NDS 110,1473 (2009)	31-May-2008

$Q(\beta^-)$=−6.01×10^3 6; S(n)=8.85×10^3 6; S(p)=2.4×10^2 6; $Q(\alpha)$=6.12×10^3 5 2012Wa38

Note: Current evaluation has used the following Q record −6010   60 8850 60 240 60 6120 50   2003Au03.

$Q(\beta^+)$=9670 60 keV (2003Au03).

Other references: 2004La04 (theory) relativistic HFB calculation of proton drip line.

^{178}Au Levels

Cross Reference (XREF) Flags

A ^{182}Tl α decay

E(level)	T$_{1/2}$	XREF	Comments
0.0	2.6 s 5	A	%ε+%β^+≤60; %α≥40
			Three α transitions observed in the decay of ^{178}Au: 5980 keV (Iα=23.5%), 5920 keV (Iα=65.9%), 5850 keV (Iα=10.6%) (1986Ke03). Other values: Eα=5920 10 keV (1968Si01), Eα=5920 20 keV (1978Fa16); Eα=5886 9 keV (1996Pa01).
			Additional information 1.
			%α≥40 (1986Ke03,2003Au02). Other: %α≤5 (1984ScZQ,1996Bu35).
			%ε+%β^+≤60, from limit for adopted α branching.
			T$_{1/2}$: from 1968Si01.