

Adopted Levels

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	Balraj Singh	NDS 108,79 (2007)	15-Oct-2006

$S(p)=-7.0\times 10^2$ 5; $Q(\alpha)=7.81\times 10^3$ 4 [2012Wa38](#)

Note: Current evaluation has used the following Q record 10590 calc -700 40 7810 40 [2003Au03](#).

$Q(\epsilon p)=6140$ 60 ([2003Au03](#)).

S(n) from [1997Mo25](#).

^{199}Fr produced and identified in $^{169}\text{Tm}(^{36}\text{Ar},6n)$ reaction at E=215 MeV followed by analysis of the reaction products with the gas-filled recoil separator and detected with position-sensitive detectors. Activities identified through $\alpha\alpha$ correlations ([1999Ta20](#)).

 ^{199}Fr Levels

<u>E(level)</u>	<u>$T_{1/2}$</u>	<u>Comments</u>
0	12 ms +10-4	$\% \alpha > 0$; $\% \epsilon + \% \beta^+ = ?$ J^π : 11/2 ⁺ (syst, 1997Mo25), 1/2 ⁺ (2003Au02). $T_{1/2}$: from α decay (1999Ta20).