

Adopted Levels

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

$Q(\beta^-)=2.99 \times 10^3$ 5; $S(n)=6.65 \times 10^3$ syst; $S(p)=7.85 \times 10^3$ syst; $Q(\alpha)=-1.2 \times 10^3$ syst [2012Wa38](#)

Note: Current evaluation has used the following Q record \$ 2990 40 6650 syst 7900 calc -1530 calc [2003Au03](#).

$\Delta(S(n))=200$ (syst,[2003Au03](#)).

$S(p)$ and $Q(\alpha)$ from [1997Mo25](#).

[1976Di14](#): structure calculations, systematics of $9/2^-$ states.

[Additional information 1](#).

¹⁹⁹Ir identified indirectly in ¹⁹⁸Pt(¹⁸O,¹⁷F) reaction at E=140 MeV followed by the analysis of ¹⁷F particle spectrum ([1995Zh10](#)). Mass excess (¹⁹⁹Ir)=-24425 41 ([1995Zh10](#)) from Q value=-8240 41 for ¹⁹⁸Pt(¹⁸O,¹⁷F) reaction.

There are four unplaced γ rays (104,112,122,162) seen as delayed γ rays in ⁹Be(²⁰⁸Pb,X γ) ([2005Ca02](#)).

¹⁹⁹Ir Levels

Cross Reference (XREF) Flags

A ⁹Be(²⁰⁸Pb,X γ)
B ¹⁹⁸Pt(¹⁸O,¹⁷F)

E(level)	T _{1/2}	XREF	Comments
0	6 s +5-4	B	$\% \beta^- = ?$ J^π : $3/2^+$ (syst, 2003Au02 , 1997Mo25). T _{1/2} : From 2007KuZW . Others: 20 s (syst, 2003Au02), >100 s (calculated, 1997Mo25). T _{1/2} : 80-390 ns quoted by 2005Ca02 . The counting statistics did not permit the quantitative determination of decay half-lives. However, the recording time ranges provide constraints on the isomer half-life.
0+x?	0.16 μ s +23-8	A	
160		B	
240		B	