

Adopted Levels

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	M. S. Basunia	NDS 195,368 (2024)	1-Dec-2023

$Q(\beta^-)=3170$ 40; $S(n)=4880$ 50; $S(p)=9750$ syst; $Q(\alpha)=-600$ syst [2021Wa16](#)

$\Delta S(p)=210$ (syst), $\Delta Q(\alpha)=210$ (syst) ([2021Wa16](#)).

[1999Be63](#): Nuclide was produced by fragmentation of a ¹⁹⁷Au pulsed beam (E=187 GeV) on beryllium targets at the GSI synchrotron ([1999Be63](#)). ¹⁹¹W was identified using the GSI projectile-fragment magnetic separator and energy-loss measurements by ionization chambers.

All data from (²⁰⁸Pb,xγ).

¹⁹¹W Levels

Cross Reference (XREF) Flags

[A](#) ⁹Be(²⁰⁸Pb,Xγ)

E(level)	T _{1/2}	XREF	Comments
0.0		A	$\% \beta^- = 100$ J^π : 3/2 ⁻ from systematics (2021Ko07 – NUBASE). T _{1/2} : 14 s from systematics (2021Ko07 – NUBASE); > 300 ns is an estimated value from time-of-flight (1999Be63 , 2021Ko07 – NUBASE). The β^- decay is the only decay mode expected.
0.0+x	0.34 μs 2	A	E(level): Other: 235 keV 10 from systematics (2021Ko07 – NUBASE). If unplaced γs of 67.5 and 167.4 in (²⁰⁸ Pb,xγ) were in cascade, for x=0 the isomeric level would be at 234.9 keV. J^π : 9/2 ⁻ from systematics (2021Ko07 – NUBASE). T _{1/2} : Weighted average of 0.36 μs 2 (2011St21 – x-ray(t) and 67.5γ(t)) and 0.32 μs 2 (2009Al30 – γ(t)).