

Adopted Levels

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	F. G. Kondev	NDS 187,355 (2023)	20-Sep-2022

$Q(\beta^-)=3900$ *syst*; $S(n)=6340$ *syst*; $S(p)=8580$ *syst*; $Q(\alpha)=-1910$ *syst* [2021Wa16](#)
 Estimated *SY* uncertainties: 210 keV for $Q(\beta^-)$, 280 keV for $S(n)$, 360 keV for $S(p)$ and 360 keV for $Q(\alpha)$ ([2021Wa16](#)).

 ^{201}Ir LevelsCross Reference (XREF) Flags

A $^9\text{Be}(^{208}\text{Pb}, X\gamma)$

E(level)	J^π	$T_{1/2}$	XREF	Comments
0	(3/2 ⁺)	21 s 5	A	$\% \beta^- = 100$ J^π : assuming spherical shape and systematics of neighboring $Z=77$ nuclei; shell model predictions. $T_{1/2}$: from 2014Mo15 , using Monte Carlo analysis of ion- $\beta\gamma$ (time) data. configuration: $\pi d_{3/2}^{-1}$ from systematics of known $Z=77$ isotopes; shell model predictions.
0+x		10.5 ns 17	A	E(level): 439.6 keV, 452.0 keV and 680.9 keV γ rays observed below the isomer (2011St21), but the ordering is unknown. Given the reported γ -ray intensities in 2011St21 , 439.6 γ and 452.0 γ are most-likely in parallel in the decay scheme. Thus, E(level)=1132.9 keV can be expected. $T_{1/2}$: from sum of 439.6,452.0,680.9 γ (t) in 2011St21 .