

Adopted Levels

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	S. Kumar(a), J. Chen(b) and F. G. Kondev		NDS 137, 1 (2016)	31-May-2016

$Q(\beta^-)=12992$ SY; $S(n)=3980$ SY; $S(p)=15320$ CA; $Q(\alpha)=-11600$ CA

$\Delta Q(\beta^-)=862$, $\Delta S(n)=920$ (2012Wa38).

$Q(\beta^-)$ and $S(n)$ from 2012Wa38. $S(p)$ and $Q(\alpha)$ predictions from 1997Mo25.

 ^{109}Y Levels

E(level)	J^π	$T_{1/2}$	Comments
0	(5/2 ⁺)	25 ms 5	$\% \beta^- = 100$ J^π : from systematics of the lighter, odd-A Y isotopes. $J^\pi = 5/2^+$ is predicted in 1997Mo25. $T_{1/2}$: using ion- $\beta(t)$ in 2015Lo04. configuration: likely $\pi 5/2^+[422]$ orbital. The assignment is tentative. $\% \beta^- n = 55.6$ and $\% \beta^- 2n = 1.5$ are predicted in 1997Mo25.