Adopted Levels

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. Chen [#] and F. G. Kondev	NDS 126, 373 (2015)	30-Sep-2013

$Q(\beta^-)$=4990 SY; S(n)=3450 SY; S(p)=9830 SY; $Q(\alpha)$=1900 SY 2012Wa38
$\Delta Q(\beta^-)$=150 keV, ΔS(n)=150 keV, ΔS(p)=330 keV, $\Delta Q(\alpha)$=330 keV (syst,2012Wa38).

^{209}Hg Levels

E(level)	J^{π}	$T_{1/2}$	Comments
0	(9/2$^+$)	36 s +7−4	%β^-=100
			J^{π}: from systematics in neighboring N=129 isotones (J^{π}=9/2$^+$ in ^{211}Pb, ^{213}Po and ^{215}Rn); J^{π}=9/2$^+$ is predicted in 1997Mo25.
			$T_{1/2}$: weighted average of 35 s +9−6 from β-324.0γ(t), 35 s +13−8 from β-208.2γ(t), 42 s +24−11 from β-738.8γ(t) and 36 s +16−8 from β-1424.2γ(t) (1998Zh22,1998Zh19).
			configuration=ν(g$_{9/2}$)$^{+1}$. The assignment is tentative.