Adopted Levels

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	C. Morse	NDS 182, 130 (2022).	14-Sep-2021

Q(β^-)=−2958 *SY*; S(n)=5882 *SY*; S(p)=4223 *SY*; Q(α)=8625 *SY* 2021Wa16
ΔQ(β^-)=371, ΔS(n)=358, ΔS(p)=385, ΔQ(α)=212 (2021WA16).
S(2n)=13130 SY *296*, S(2p)=7461 SY *445* (2021WA16).

^{267}Sg has been observed in gas-phase chemistry experiments as the α-decay daughter of ^{271}Hs at GSI (2006DV01,2008DV02).

Events were identified based on the observation of correlated chains of α-decaying nuclei, terminated by spontaneous fission. Half-lives, branching ratios, and α-decay energies in this evaluation have been computed from the individual events listed in the references above. Half-life uncertainties have been computed according to the method of 1984SC13. An additional 10 keV systematic uncertainty is assumed for the α-decay energies, which is added in quadrature to the averaged statistical uncertainty.

^{267}Sg Levels

Cross Reference (XREF) Flags

A ^{271}Hs α decay

E(level)	$T_{1/2}$	XREF	Comments
0	84 s *+55−24*	A	%SF=83; %α=17 E(level): Assumed ground state. $T_{1/2}$: From six events.