Adopted Levels

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

Q(β^-)=−570 *SY*; S(n)=4763 *SY*; S(p)=5507 *SY*; Q(α)=7890 *SY* 2021Wa16
ΔQ(β^-)=686, ΔS(n)=707, ΔS(p)=788, ΔQ(α)=300 (2021WA16).
S(2n)=11389 SY *678* (2021WA16).

^{267}Rf has been observed as the α-decay daughter of ^{271}Sg at JINR (2004OG12,2006OG05). Events were identified by the observation of chains of α-decaying nuclei, terminated by spontaneous fission. The properties of these chains, when compared to those previously observed, allowed individual decays to be assigned to specific nuclei.

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}Rf Levels

Cross Reference (XREF) Flags

A ^{271}Sg α decay (96 s)

E(level)	$T_{1/2}$	XREF	Comments
0	1.3 h *+23−5*	A	%SF=100; %α≤33.3 E(level): Assumed ground state. $T_{1/2}$: From two events.