^{265}Sg α decay (8.5 s) 2012Ha05

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	M. Gupta	ENSDF	1-Aug-2015

Parent: ^{265}Sg: E=152+x *71*; $T_{1/2}$=8.5 s *+26−16*; Q(α)=9051 *SY*; %α decay>49.0
^{265}Sg-J$^{\pi}$: (9/2$^+$) suggested from systematics.
^{265}Sg-E,$T_{1/2}$,Q(α): From 265SG Adopted Levels.
^{265}Sg-Q(α): 8976 *50* (2012Ha05) for the isomer. Q(g.s.)=9051 syst (2012Wa38).

^{261}Rf Levels

E(level)	J$^{\pi}$	$T_{1/2}$	Comments
x	(9/2$^+$)	68 s *+3−3*	E(level),$T_{1/2}$: from the Adopted Levels.
234+x *57*	(1/2$^+$)	1.9 s *+4−4*	E(level): from ΔE(α).

α radiations

Eα	E(level)	Iα[†]	Comments
8520 *50*	234+x	≈9	from 2011Ha13.
8280 *50*	x	≈91	from 2013Mu08.

[†] For absolute intensity per 100 decays, multiply by >0.49.