^{265}Sg α decay (14.4 s) 2012Ha05

History

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

Parent: ^{265}Sg: E=x; $T_{1/2}$=14.4 s *+37−25*; Q(α)=9051 *SY*; %α decay≈50.0
^{265}Sg-E,$T_{1/2}$,Q(α): From ^{265}Sg Adopted Levels.
^{265}Sg-Q(α): 8823 *50* for the isomer From 2012Ha05. Q(g.s.)=9051 syst (2012Wa38).
^{265}Sg-J^{π}: ($1/2^+$) from 1997Mo25. 2012AU06 suggest $3/2^+$ based on systematics.

^{261}Rf Levels

Both states in ^{261}Rf are fed when parent ^{265}Sg is produced as an EVR.

E(level)	J^{π}	$T_{1/2}$	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	≈80	from 2011Ha13.
8280 *50*	x	≈20	from 2013Mu08.

[†] For absolute intensity per 100 decays, multiply by ≈0.5.