^{265}Hs α decay (0.3 ms) 2009He20

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	M. Gupta	NDS 209,499 (2026)	1-Jan-2018

Parent: ^{265}Hs: E=x+142 *21*; $T_{1/2}$=0.3 ms *+2−1*; Q(α)=10700 *15*; %α decay≈100

^{265}Hs-E,$T_{1/2}$: From ^{265}Hs Adopted Levels.

^{265}Hs-J$^{\pi}$: 2012Au06 suggest 9/2$^+$ based on systematics for an isomer.

^{265}Hs-Q(α): 10.700 MeV *15* from Eα=10538 keV *15* (2009He20) for ^{265}Hs(2).

See ^{261}Sg or ^{265}Hs Adopted Levels for experimental details.

Decay scheme proposed by 1999Ar21 has not been adopted by the evaluators based on existing ambiguities and comments by 2007HoZR.

^{261}Sg Levels

E(level)†	J$^{\pi}$†	$T_{1/2}$†	Comments
0	(3/2$^+$)	184 ms *5*	%α=98.1 *4*; %ε+%β^+=1.3 *3*; %SF=0.6 *2* all data from the Adopted Levels.

† From the Adopted Levels.

α radiations

Eα†	E(level)
10538 *15*	0

† From 2009He20. Other: 10572 keV *15* (1999He11).