

²⁶⁵Hs α decay (1.9 ms) 2009He20

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

Parent: ²⁶⁵Hs: E=x; T_{1/2}=1.9 ms 2; Q(α)=10559 15; % α decay \approx 100

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

²⁶⁵Hs-J π : 9/2⁺ or 11/2⁻ (2009He20). 2012Au06 suggest 3/2⁺ based on systematics.

²⁶⁵Hs-Q(α): 10.559 MeV 15 from E α =10339 keV 15 (2009He20) for ²⁶⁵Hs(1).

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

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

²⁶¹Sg Levels

E(level) [†]	J π [†]	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

E α [†]	E(level)	Comments
10399 15	0	E α : mean value of 4 energies.

[†] From 2009He20 other: 10301 keV 15 (1999He11).