

⁸⁶Rb ε decay (18.671 d) 1968AI02				
Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	A. Negret and B. Singh		NDS 203,283 (2025)	20-Jan-2025

Parent: ⁸⁶Rb: E=0; J ^{π} =2⁻; T_{1/2}=18.671 d 10; Q(ε)=518.67 20; % ε decay=0.0052 5
⁸⁶Rb-J ^{π} ,T_{1/2}: From ⁸⁶Rb Adopted Levels.
⁸⁶Rb-Q(ε): From [2021Wa16](#).
⁸⁶Rb decays 99.9948% by β^- decay.
[1968AI02](#): ε decay of ⁸⁶Rb was observed by measuring the abundance of ⁸⁶Kr produced in a pile-irradiated rubidium salt.
[Additional information 1](#).

⁸⁶Kr Levels				
E(level)	J ^{π}			
0	0 ⁺			

ε radiations				
E(decay)	E(level)	I $\varepsilon^{\dagger}$	Log <i>ft</i>	Comments
(518.7 14)	0	5.2×10 ⁻³ 5	9.78 ^{1u} 5	ε K=0.8633; ε L=0.11311 16; ε M+=0.02362 4

[†] Absolute intensity per 100 decays.