

^{49}K $Z = 19$ $N = 30$ [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 410.241 (0.001) MeV

Qbeta- = 11.688 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2
49K	1			0.000 (1/2+,3/2+)	1 1.26 S 5
49K	2			0.092 (1/2+,3/2+)	2 8 NS 5
49K	3			0.863 (5/2+)	3 2.2 PS 4
49K	4			1.103 (5/2+)	4
49K	5			1.438 (7/2+)	5 0.35 PS GT
49K	6			2.104 (7/2-)	6 0.35 PS GT

S-p = 14.619 (0.307)-----

S-n = 5.398 (0.001)-----

S-2p = 0.000 (0.000)-----

S-2n = 10.042 (0.002)-----

S-alpha= 13.774 (0.136)-----

S+p = -17.267 (0.002)

S+n = -4.188 (0.008)

S+2p = -28.195 (0.020)

S+2n = -9.047 (0.013)

S+alpha = -11.720 (0.094)

gap p = -2.648 (0.307)

gap n = 1.211 (0.008)

gap 2p = 0.000 (0.000)

gap 2n = 0.995 (0.013)

gap alpha = 2.054 (0.166)