

^{49}K $Z = 19$ $N = 30$ adopted link ENSDF link

Based on ENSDF from Oct 2022, and mass evaluation from 2020

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 = 14.546 (0.017)-----

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

S-2p = 34.617 (0.188)-----

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 = -28.217 (0.003)

S+2n = -9.047 (0.013)

S+alpha = -11.583 (0.018)

gap p = -2.721 (0.017)

gap n = 1.211 (0.008)

gap 2p = 6.401 (0.188)

gap 2n = 0.996 (0.013)

gap alpha = 2.191 (0.137)