

$^{45}\text{K}$        $Z = 19$        $N = 26$       [link to full NNDC output](#)

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

BE = 384.960 ( 0.001) MeV

Qbeta- = 4.197 ( 0.001) MeV

	Energy T	J+	J-	J-other	T1/2
45K 1	0.000	3/2+			1 17.81 M 61
45K 2	0.474	1/2+			2
45K 3				1.020 (3/2,5/2,7/2+)	3 0.7 NS LT
45K 4				1.081 (5/2-,7/2-)	4 3.2 NS 4
45K 5				1.424 1/2,3/2,5/2(+)	5
45K 6				1.474	6 0.7 NS LE
45K 7				1.639	7
45K 8				1.723	8
45K 9				2.188	9
45K 10				2.517	10
45K 11				2.569	11
45K 12				2.748	12
45K 13				2.787	13
45K 14				3.311	14
45K 15				3.398	15
45K 16				3.440	16
45K 17				3.690 (5/2+)	17
45K 18				3.707	18
45K 19				3.753 (3/2+,5/2+)	19
45K 20				3.997	20
45K 21				4.044	21
45K 22				4.357	22
45K 23				4.569	23
45K 24				4.900	24
45K 25				5.130	25
45K 26				7.770	26
S-alpha=	11.733 ( 0.069)				
S-p =	11.231 ( 0.002)				
S-n =	8.905 ( 0.001)				
45K 27				12.620 (5/2-,7/2-)	27
S-p =	11.231 ( 0.002)				
S-n =	8.905 ( 0.001)				
S-2p =	27.034 ( 0.062)				
S-2n =	16.183 ( 0.001)				
S-alpha=	11.733 ( 0.069)				

S+p = -13.813 ( 0.002)  
S+n = -6.870 ( 0.001)  
S+2p = -22.299 ( 0.002)  
S+2n = -15.239 ( 0.002)  
S+alpha = -12.371 ( 0.003)

gap p = -2.581 ( 0.003)  
gap n = 2.036 ( 0.001)  
gap 2p = 4.735 ( 0.062)  
gap 2n = 0.944 ( 0.002)  
gap alpha = -0.637 ( 0.069)