

^{46}K $Z = 19$ $N = 27$ [link to full NNDC output](#)

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

BE = 391.830 (0.001) MeV

Qbeta- = 7.725 (0.002) MeV

	Energy T	J+	J-	J-other	T1/2
46K 1				0.000 (2-)	1 105 S 10
46K 2			0.587 3-		2
46K 3				0.691 (4-)	3
46K 4			0.886 5-		4
46K 5			1.370 3-		5
46K 6				1.738 (4-)	6
46K 7	1.944	1+			7
46K 8				2.222 (0+)	8
46K 9				2.790 (2+)	9
46K 10				2.969 (4-)	10
46K 11				3.383	11
46K 12				3.606	12
46K 13				4.340 (3+)	13
46K 14	4.540	7+			14
46K 15	5.950	7+			15
S-n	= 6.870 (0.001)				
46K 16				11.470 (0+)	16

S-p = 12.932 (0.001)-----
 S-n = 6.870 (0.001)-----
 S-2p = 29.607 (0.136)-----
 S-2n = 15.775 (0.001)-----
 S-alpha= 13.007 (0.060)-----

S+p = -14.219 (0.002)
 S+n = -8.369 (0.002)
 S+2p = -23.668 (0.005)
 S+2n = -13.013 (0.001)
 S+alpha = -11.558 (0.015)

gap p = -1.287 (0.002)
 gap n = -1.500 (0.002)
 gap 2p = 5.939 (0.136)
 gap 2n = 2.762 (0.001)
 gap alpha = 1.449 (0.061)