

^{44}K $Z = 19$ $N = 25$ [link to full NNDC output](#)

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

BE = 376.055 (0.000) MeV

Qbeta- = 5.687 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2
44K 1			0.000 2-		1 22.13 M 19
44K 2				0.183 (1,2,3+)	2 0.9 NS LT
44K 3				0.383	3 0.7 NS LT
44K 4				0.520	4 0.7 NS LT
44K 5				0.812	5
44K 6				0.969	6
44K 7				1.014	7
44K 8				1.051	8
44K 9				1.077	9
44K 10				1.241	10
44K 11				1.368	11 0.7 NS LT
44K 12				1.460 (0-,1)	12
44K 13				1.480	13
44K 14				1.500	14
44K 15	1.886	1+			15
44K 16				1.990	16
44K 17				2.060	17
44K 18	2.326	1+			18
44K 19	2.574	1+			19

S-p = 11.061 (0.005)-----
 S-n = 7.277 (0.001)-----
 S-2p = 25.528 (0.060)-----
 S-2n = 16.902 (0.000)-----
 S-alpha= 10.649 (0.032)-----

S+p = -12.320 (0.001)
 S+n = -8.905 (0.001)
 S+2p = -20.558 (0.001)
 S+2n = -15.775 (0.001)
 S+alpha = -11.147 (0.005)

gap p = -1.259 (0.005)
 gap n = -1.628 (0.001)
 gap 2p = 4.970 (0.060)
 gap 2n = 1.127 (0.001)
 gap alpha = -0.499 (0.032)