

^{48}K $Z = 19$ $N = 29$ adopted link ENSDF link

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

BE = 404.843 (0.001) MeV

Qbeta- = 11.940 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2		
48K	1			0.000	1(-)	1 6.8 S	2
48K	2			0.143	(2-)	2 21 PS	6
48K	3			0.279	(2-)	3 5.3 PS	10
48K	4			0.350		4	
48K	5			0.580		5	
48K	6			0.728	(3-)	6 3.6 PS	7
48K	7			0.800		7	
48K	8			2.100		8	
48K	9			2.177	(5+)	9 10 NS	3
48K	10			3.404	(5-)	10	
48K	11			3.586	(7+)	11	
48K	12			0.000		12	

S-p = 14.206 (0.001)-----
 S-n = 4.644 (0.002)-----
 S-2p = 33.127 (0.097)-----
 S-2n = 13.013 (0.001)-----
 S-alpha= 14.230 (0.086)-----

S+p = -16.304 (0.001)
 S+n = -5.398 (0.001)
 S+2p = -26.831 (0.003)
 S+2n = -9.586 (0.008)
 S+alpha = -10.664 (0.003)

gap p = -2.098 (0.002)
 gap n = -0.754 (0.002)
 gap 2p = 6.297 (0.097)
 gap 2n = 3.427 (0.008)
 gap alpha = 3.566 (0.086)