

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

Based on ensdf_240402 (Apr 2024), 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						4	
48K 5						0.350	
48K 6			0.728	(3-)		0.580	
48K 7						0.800	
48K 8						2.100	
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)