

^{45}V $Z = 23$ $N = 22$ adopted link ENSDF link

Based on ensdf_240402 (Apr 2024), and mass evaluation from 2020

BE = 377.102 (0.001) MeV

Qbeta+ = 7.124 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2

45V 1			0.000	7/2-	1 547 MS 6
45V 2			0.057	(5/2-)	2 4.2 NS LE
45V 3			0.057	(3/2-)	3 0.43 US 8
45V 4	0.386	(3/2+)			4
45V 5	0.797	(5/2+)			5
45V 6	1.272	(7/2+)			6
45V 7			1.324	(9/2-)	7
45V 8			1.462	(11/2-)	8
S-p =	1.627 (0.001)	-----			
45V 9	1.916	(9/2+)			9
45V 10	2.489	(11/2+)			10

45V 11			2.626	(13/2-)	11
45V 12			3.004	(15/2-)	12
45V 13	3.445	(13/2+)			13
45V 14			3.605	(17/2-)	14
45V 15	3.910	(15/2+)			15
45V 16			4.392	(19/2-)	16
45V 17			4.800	(7/2-)	17
S-alpha=	5.669 (0.001)	-----			
45V 18	5.686	(19/2+)			18
45V 19			6.207	(23/2-)	19
45V 20			7.160	(27/2-)	20

S-p = 1.627 (0.001) -----

S-n = 16.150 (0.007) -----

S-2p = 10.276 (0.002) -----

S-2n = 30.113 (0.043) -----

S-alpha= 5.669 (0.001) -----

S+p = -4.874 (0.011)

S+n = -13.261 (0.001)

S+2p = -5.258 (0.032)

S+2n = -26.263 (0.001)

S+alpha = -8.158 (0.002)

gap p = -3.247 (0.012)

gap n = 2.889 (0.007)

gap 2p = 5.018 (0.032)
gap 2n = 3.849 (0.043)
gap alpha = -2.489 (0.003)