

^{54}V $Z = 23$ $N = 31$ adopted link ENSDF link

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

BE = 467.755 (0.011) MeV

Qbeta- = 7.037 (0.011) MeV

	Energy T	J+	J-	J-other	T1/2
54V 1	0.000	3+			1 49.8 S 5
54V 2				0.108 (5)+	2 0.9 US 5
54V 3				(4)	3
54V 4				0.245	4
54V 5				0.291	5
54V 6				0.447	6
54V 7				0.495	7
54V 8				0.540	8
54V 9				0.703	9
54V 10				0.745	10
54V 11				0.770	11
54V 12	0.900	1+		0.847	12
54V 13				0.940	13
54V 14				0.968	14
54V 15				1.208	15
54V 16				1.215 (5)	16
54V 17				1.540	17
54V 18				1.675	18
54V 19				1.752	19
54V 20				1.829 (6)	20
54V 21				1.865	21
54V 22				1.934	22
54V 23				1.987	23
54V 24				2.123	24
54V 25				2.298 (7)	25 0.35 PS GT
54V 26				2.319	26
54V 27				2.400	27
54V 28				2.435	28
54V 29				2.487	29

S-p = 10.306 (0.012)-----

S-n = 6.118 (0.012)-----

S-2p = 23.953 (0.012)-----

S-2n = 14.598 (0.011)-----

S-alpha= 7.786 (0.011)-----

S+p = -12.501 (0.011)

S+n = -7.298 (0.029)
S+2p = -21.591 (0.011)
S+2n = -12.428 (0.176)
S+alpha = -8.354 (0.012)

gap p = -2.195 (0.016)
gap n = -1.180 (0.031)
gap 2p = 2.361 (0.016)
gap 2n = 2.170 (0.177)
gap alpha = -0.568 (0.016)