

^{52}V $Z = 23$ $N = 29$ [link to full NNDC output](#)

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

BE = 453.158 (0.000) MeV

Qbeta- = 3.976 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2
52V 1	0.000	3+			1 3.743 M 5
52V 2				0.017 2+,3+	2 1.08 NS 22
52V 3				0.023 +	3
52V 4	0.142	1+			4
52V 5				0.148 +	5
52V 6	0.437	2+			6
52V 7	0.794	3+			7
52V 8	0.846	4+			8
52V 9				0.881	9
52V 10				1.290 (1)+	10
52V 11	1.419	3+			11
52V 12				1.493 +	12 1.8 PS 10
52V 13	1.559	4+			13
52V 14				1.579	14
52V 15	1.664	1+			15
52V 16				1.733 (-)	16
52V 17	1.760	3+			17
52V 18				1.770	18
52V 19	1.795	2+			19
52V 20				1.843 +	20
52V 21	2.101	3+			21
52V 22	2.152	1+			22
52V 23	2.169	4+			23
52V 24	2.318	3+			24
52V 25				2.347	25
52V 26				2.396 0+, (1+)	26
52V 27				2.428 2+,3+	27
52V 28				2.473	28
52V 29				2.539 +	29
52V 30				2.543 (9+)	30 5.5 PS 4
52V 31				2.559	31
52V 32	2.591	1+			32
52V 33				2.697 0+, (1+)	33
52V 34				2.743	34
52V 35				2.776 +	35
52V 36				2.825	36
52V 37				2.859 +	37

52V	38					2.881	1+,2+,3+	38
52V	39					2.910	+	39
52V	40					2.987		40

52V	41					3.009	+	41
52V	42					3.060	(2,3)+	42
52V	43					3.149	1+,2+,3+	43
52V	44					3.184		44
52V	45		3.194	4+				45
52V	46					3.199		46
52V	47					3.243	+	47
52V	48					3.315	+	48
52V	49					3.333		49
52V	50					3.450	-	50

52V	51					3.474	+	51
52V	52					3.509	-	52
52V	53					3.539	-	53
52V	54		3.576	3+				54
52V	55					3.645	+	55
52V	56					3.687	-	56
52V	57		3.730	3+				57
52V	58					3.733	+	58
52V	59					3.777	-	59
52V	60					3.809	+	60

52V	61					3.875	+	61
52V	62					3.940	-	62
52V	63					3.960	+	63
52V	64					4.034	-	64
52V	65					4.109		65
52V	66					4.120	-	66
52V	67					4.279	-	67
52V	68					4.285		68
52V	69					4.327	(8)-	69
52V	70					4.420		70

52V	71					4.455	-	71
52V	72					4.483		72
52V	73					4.519		73
52V	74					4.533	-	74
52V	75					4.557	1+,2+,3+	75
52V	76		4.609	1+				76
52V	77					4.717	+	77
52V	78					4.755		78
52V	79					4.772	+	79
52V	80					4.904	+	80

52V	81					4.951		81
52V	82					4.986	(1,2,3)+	82

52V 83			5.039		83
52V 84			5.080	-	84
52V 85			5.096		85
52V 86			5.187	-	86
52V 87			5.233		87
52V 88			5.276	+	88
52V 89			5.344	+	89
52V 90			5.410	(1+,2+,3+)	90

52V 91			5.488	+	91
52V 92			5.548	-	92
52V 93			5.600		93
52V 94			5.646	+	94
52V 95			5.711		95
52V 96			5.744	(1,2,3)+	96
52V 97			5.813		97
52V 98			5.851	+	98
52V 99			5.946	+	99
52V 100			6.021		100

52V 101			6.086	+	101
52V 102			6.167	+	102
52V 103			6.225		103
52V 104			6.277	+	104
52V 105			6.326		105
52V 106			6.374		106
52V 107			6.406	+	107
52V 108			6.472		108
52V 109			6.519	+	109
52V 110			6.557		110

52V 111			6.590		111
52V 112			6.640	1+,2+,3+	112
52V 113			6.675		113
52V 114			6.744		114
52V 115			6.809		115
52V 116			6.844		116
52V 117			6.887		117
52V 118			6.919		118
52V 119			7.110		119

S-n = 7.311 (0.001)					
52V 120			7.311		120

52V 121			7.540		121
52V 122			7.850		122
52V 123			8.050		123
52V 124			8.250		124 3.7 KEV 4
52V 125			8.400		125
52V 126			8.620		126 3.3 KEV 4
52V 127			8.760		127

52V 128		8.838 4 0+						128
S-p	=	9.000 (0.001)	-----					
52V 129						9.060		129
52V 130						9.310		130

S-alpha=	=	9.365 (0.005)	-----					
52V 131						9.510		131
52V 132						9.600		132 11.7 KEV 12
52V 133						10.080		133
52V 134						10.650		134

S-p	=	9.000 (0.001)	-----					
S-n	=	7.311 (0.001)	-----					
S-2p	=	21.474 (0.015)	-----					
S-2n	=	18.362 (0.001)	-----					
S-alpha=	=	9.365 (0.005)	-----					
S+p	=	-11.132 (0.001)						
S+n	=	-8.479 (0.003)						
S+2p	=	-18.692 (0.001)						
S+2n	=	-14.592 (0.015)						
S+alpha	=	-7.893 (0.001)						
gap p	=	-2.132 (0.001)						
gap n	=	-1.167 (0.003)						
gap 2p	=	2.783 (0.015)						
gap 2n	=	3.770 (0.015)						
gap alpha	=	1.472 (0.005)						