^{52}V $Z = 23$ $N = 29$ adopted link ENSDF link

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

BE = 453.158 (0.000) MeV
Qbeta- = 3.976 (0.000) 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	
52V	120			7.311		120	
S-n = 7.311 (0.000)							
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    =   8.999 ( 0.001)----------------------------------------------------------------------------
 52V  129 |                 |                |   9.060                    129
 52V  130 |                 |                |   9.310                    130
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S-alpha=   9.364 ( 0.005)----------------------------------------------------------------------------
 52V  131 |                 |                |   9.510                    131
 52V  132 |                 |                |   9.600                    132   11.7 KEV  12


S-p    =   8.999 ( 0.001)----------------------------------------------------------------------------
S-n    =   7.311 ( 0.000)----------------------------------------------------------------------------
S-2p   =  21.484 ( 0.003)----------------------------------------------------------------------------
S-2n   =  18.362 ( 0.000)----------------------------------------------------------------------------
S-alpha=   9.364 ( 0.005)----------------------------------------------------------------------------

S+p       = -11.134 ( 0.000)
S+n       =  -8.480 ( 0.003)
S+2p      = -18.693 ( 0.001)
S+2n      = -14.598 ( 0.011)
S+alpha   =  -7.894 ( 0.000)

gap p     =  -2.135 ( 0.001)
gap n     =  -1.169 ( 0.003)
gap 2p    =   2.791 ( 0.003)
gap 2n    =   3.765 ( 0.011)
gap alpha =   1.470 ( 0.005)
```