

^{113}Sb $Z = 51$ $N = 62$ adopted link ENSDF link

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

BE = 956.576 (0.017) MeV

Qbeta+ = 3.911 (0.017) MeV

	Energy T	J+	J-	J-other	T1/2
113SB 1	0.000	5/2+			1 6.67 M 7
S-alpha= 0.352 (0.018)-----					
113SB 2	0.645	1/2+			2 1 NS LT
113SB 3	0.814	7/2+			3 1 NS LT
113SB 4	1.019	5/2+			4 1 NS LT
113SB 5				1.181	5 1 NS LT
113SB 6				1.257 (9/2+)	6 1 NS LT
113SB 7			1.348 11/2-		7 1 NS LT
113SB 8	1.461	9/2+			8 1 NS LT
113SB 9	1.551	5/2+			9
113SB 10				1.717	10

113SB 11				1.853	11 1 NS LT
113SB 12				1.910 (11/2+)	12 1 NS LT
113SB 13				1.995	13 1 NS LT
113SB 14				2.094	14
113SB 15				2.115	15
113SB 16				2.132	16
113SB 17				2.172	17
113SB 18				2.218 (13/2+)	18 1 NS LT
113SB 19				2.308 (13/2+)	19
113SB 20				2.395	20

113SB 21				2.505 (15/2+)	21
113SB 22				2.535	22
113SB 23				2.626 (15/2-)	23
113SB 24				2.659 (15/2+)	24
113SB 25			2.816 15/2-		25
113SB 26				3.010	26
113SB 27				3.045 19/2(-)	27 3.7 NS 3
S-p = 3.051 (0.017)-----					
113SB 28				3.084 (17/2+)	28
113SB 29				3.173 21/2(-)	29
113SB 30			3.213 19/2-		30

113SB 31				3.345 (21/2)	31
113SB 32				3.473 (19/2+)	32
113SB 33				3.553 (23/2)	33
113SB 34			3.778 23/2-		34
113SB 35				3.914 (21/2+)	35

113SB 36						4.167	(25/2)	36
113SB 37						4.344	(23/2-)	37
113SB 38						4.363	(23/2+)	38
113SB 39				4.460	27/2-			39
113SB 40						4.506	(25/2-)	40

113SB 41						4.525		41
113SB 42						4.536		42
113SB 43						4.643	(25/2-)	43
113SB 44		4.745	25/2+					44
113SB 45						4.784	(27/2)	45
113SB 46						5.014	(27/2-)	46
113SB 47		5.041	27/2+					47
113SB 48						5.166	29/2	48
113SB 49						5.178	(27/2+)	49
113SB 50				5.239	31/2-			50

113SB 51		5.389	29/2+					51
113SB 52						5.391	(29/2-)	52
113SB 53						5.569	(29/2+)	53
113SB 54						5.612	(29/2-)	54
113SB 55						5.716	(29/2)	55
113SB 56		5.763	31/2+					56
113SB 57						5.782	(31/2-)	57
113SB 58						5.960	(31/2+)	58
113SB 59						6.053		59
113SB 60				6.094	35/2-			60

113SB 61		6.153	33/2+					61
113SB 62						6.196	(33/2-)	62
113SB 63						6.334	(33/2+)	63
113SB 64						6.424		64
113SB 65		6.546	35/2+					65
113SB 66						6.625	(35/2-)	66
113SB 67						6.682	(35/2+)	67
113SB 68		6.977	37/2+					68
113SB 69						6.978	(37/2+)	69
113SB 70				7.013	39/2-			70

113SB 71						7.076	(37/2-)	71
113SB 72						7.544	(39/2-)	72
113SB 73				7.998	43/2-			73
113SB 74						8.025	(41/2-)	74
113SB 75				9.060	47/2-			75
113SB 76						9.280		76
113SB 77						9.720		77
113SB 78						9.780		78

S-p = 3.051 (0.017)-----

S-n = 10.889 (0.025)-----
S-2p = 10.603 (0.018)-----
S-2n = 19.723 (0.019)-----
S-alpha= 0.352 (0.018)-----

S+p = -4.762 (0.030)
S+n = -8.151 (0.026)
S+2p = -6.499 (0.034)
S+2n = -18.729 (0.024)
S+alpha = 1.554 (0.031)

gap p = -1.711 (0.034)
gap n = 2.738 (0.036)
gap 2p = 4.104 (0.038)
gap 2n = 0.994 (0.030)
gap alpha = 1.906 (0.035)