

^{112}Sb $Z = 51$ $N = 61$ adopted link ENSDF link

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

BE = 945.687 (0.018) MeV

Qbeta+ = 7.056 (0.018) MeV

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

S-alpha=	-0.096	(0.020)	-----		
112SB 1				0.000 (3+)	1 53.5 S 6
112SB 2				0.038 (2+)	2
112SB 3				0.061 (1+)	3
112SB 4				0.104 (4+)	4
112SB 5				0.132 (5+)	5
112SB 6				0.140 (1+)	6
112SB 7				0.167 (4+)	7
112SB 8				0.237 (3+)	8
112SB 9				0.296 (2+)	9
112SB 10				0.351 (1+)	10

112SB 11				0.369 (6+)	11
112SB 12				0.373 (1+)	12
112SB 13				0.396 (3+)	13
112SB 14				0.411 (1+,2+)	14
112SB 15				0.502 (5+)	15
112SB 16				0.511 (2+,3+)	16
112SB 17				0.673 (3+,4+)	17
112SB 18				0.715 (2+,3+)	18
112SB 19				0.781 (1+,2+)	19
112SB 20				0.788 (2+,3+)	20

112SB 21				0.804 2+,3,4,5+	21
112SB 22				0.808 (2+)	22
112SB 23				0.826 (8-)	23 536 NS 22
112SB 24				0.845	24
112SB 25				0.973 (6+)	25
112SB 26				1.043 (8-)	26
112SB 27				1.120 (1+)	27
112SB 28				1.170	28
112SB 29				1.184 (7+)	29
112SB 30				1.268 (7-)	30

112SB 31				1.340 (1+)	31
112SB 32				1.340	32
112SB 33				1.345 (7+)	33
112SB 34				1.390 (6+)	34
112SB 35				1.530 (9-)	35
112SB 36	1.540	1+			36

112SB 37				1.674	(7-)	37			
112SB 38				1.681	(8+)	38			
112SB 39				1.691	(7+)	39			
112SB 40				1.747	(8-)	40			

112SB 41				1.830	(1+)	41			
112SB 42				1.884	(10-)	42			
112SB 43				1.949	(9-)	43			
112SB 44				2.075	(9-)	44			
112SB 45				2.100	(9+)	45			
112SB 46				2.161	(8+)	46			
112SB 47				2.180	(1+)	47			
112SB 48				2.274	(10-)	48			
112SB 49				2.320	(11+)	49			
112SB 50				2.410	(1+)	50			

112SB 51				2.482	(12-)	51			
112SB 52				2.492		52			
112SB 53				2.548	(11-)	53			
112SB 54				2.570	(9+)	54			
112SB 55				2.582		55			
112SB 56				2.602	(12-)	56			
112SB 57				2.628	(11-)	57	0.39 PS	+17-18	
112SB 58				2.720	(1+)	58			
112SB 59				2.868	(12-)	59			
112SB 60				2.908		60			

S-p	=	2.949	(0.019)	-----					
112SB 61				2.988	(12-)	61			
112SB 62				3.009	(12-)	62	0.35 PS	+11-12	
112SB 63				3.082	(12-)	63			
112SB 64				3.100	(1+)	64			
112SB 65				3.224	(14-)	65			
112SB 66				3.296	(12-)	66			
112SB 67				3.380	(13+)	67			
112SB 68				3.382	(13-)	68			
112SB 69				3.401	(13-)	69	0.35 PS	8	
112SB 70				3.403	(12+)	70			

112SB 71				3.420	(1+)	71			
112SB 72				3.489	(12+)	72			
112SB 73				3.622	(14-)	73			
112SB 74				3.680	(1+)	74			
112SB 75				3.687	(14-)	75			
112SB 76				3.687	(14-)	76			
112SB 77				3.726		77			
112SB 78				3.731		78			
112SB 79				3.747	(13-)	79			
112SB 80				3.794		80			

112SB 81						3.808	(14-)	81
112SB 82						3.845		82
112SB 83		3.850	1+					83
112SB 84		4.050	1+					84
112SB 85						4.089	(15+)	85
112SB 86						4.089	(15-)	86
112SB 87						4.121	(14+)	87
112SB 88						4.223		88
112SB 89		4.240	1+					89
112SB 90						4.255	(14-)	90

112SB 91						4.260	(15-)	91
112SB 92						4.277		92
112SB 93						4.295	(15-)	93
112SB 94						4.320	(15+)	94
112SB 95						4.391	(16-)	95
112SB 96						4.433	(15+)	96
112SB 97		4.600	1+					97
112SB 98						4.676	(16+)	98
112SB 99						4.798	(16-)	99
112SB 100						4.837	(16-)	100

112SB 101						4.864	(16+)	101
112SB 102		4.880	1+					102
112SB 103						5.161	(17+)	103
112SB 104						5.310	(1+)	104
112SB 105						5.326	(17-)	105
112SB 106						5.570	(1+)	106
112SB 107						5.644	(18-)	107
112SB 108						5.717		108
112SB 109						5.729	(18+)	109
112SB 110						6.002	(19+)	110

112SB 111						6.544	(20-)	111
112SB 112						6.935	(21+)	112
112SB 113						7.535	(22-)	113
112SB 114						7.937	(23+)	114
112SB 115						8.616	(24-)	115
S-n	=	8.834	(0.020)	-----	-----	-----	-----	-----
112SB 116						8.996	(25+)	116
S-2p	=	9.707	(0.021)	-----	-----	-----	-----	-----
112SB 117						9.784	(26-)	117

S-p	=	2.949	(0.019)	-----	-----	-----	-----	-----
S-n	=	8.834	(0.020)	-----	-----	-----	-----	-----
S-2p	=	9.707	(0.021)	-----	-----	-----	-----	-----
S-2n	=	20.292	(0.019)	-----	-----	-----	-----	-----
S-alpha	=	-0.096	(0.020)	-----	-----	-----	-----	-----

S+p = -4.037 (0.033)
S+n = -10.889 (0.025)
S+2p = -5.618 (0.027)
S+2n = -19.040 (0.027)
S+alpha = 1.753 (0.077)

gap p = -1.088 (0.038)
gap n = -2.056 (0.032)
gap 2p = 4.089 (0.034)
gap 2n = 1.252 (0.033)
gap alpha = 1.657 (0.080)