

^{118}Sb $Z = 51$ $N = 67$ adopted link ENSDF link

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

BE = 1000.512 (0.003) MeV

Qbeta+ = 3.657 (0.003) MeV

	Energy T	J+	J-	J-other	T1/2
118SB 1	0.000	1+			1 3.6 M 1
118SB 2				0.031 (2)	2 15 NS LT
118SB 3				0.051 (3)+	3 20.6 US 6
118SB 4				0.082 (4)+	4
118SB 5				0.118	5
118SB 6				0.166 (2)+	6
118SB 7				0.238	7
118SB 8			0.250 8-		8 5.00 H 2
118SB 9				0.270 (3)-	9 13.3 NS 2
118SB 10				0.282	10
118SB 11	0.324	2+			11
118SB 12				0.325 (4)+	12
118SB 13				0.370	13
118SB 14				0.398 (4)-	14
118SB 15				0.403 (3)+	15
118SB 16				0.511	16
118SB 17	0.541	3+			17
118SB 18				0.557 (3,4)	18
118SB 19				0.568 (6,7,8)-	19
118SB 20				0.570 (4,5)-	20
118SB 21				0.606	21
118SB 22				0.619 (3,4,5)+	22
118SB 23				0.622 1+,2+	23
118SB 24				0.628 (5+)	24
118SB 25				0.629 (3)+	25
118SB 26				0.638 (3,4,5)-	26
118SB 27				0.683 (3,4,5)-	27
118SB 28				0.712	28
118SB 29				0.741 (2,3)+	29
118SB 30				0.760	30
118SB 31				0.788 (2,3)+	31
118SB 32				0.808	32
118SB 33				0.821 (2 TO 5)-	33
118SB 34				0.822 (6-,7,8)	34
118SB 35				0.834 (2,3)-	35
118SB 36				0.837 (6+)	36
118SB 37				0.852 (3,4,5)+	37

118SB 38			0.863	(1,2,3)+	38
118SB 39			0.873		39
118SB 40			0.890		40

118SB 41			0.926	7,8,9-	41
118SB 42			0.930		42
118SB 43			0.939	(3,4,5)+	43
118SB 44			0.940	(0,2,3)+	44
118SB 45			0.948		45
118SB 46			0.965	(7)+	46 22.6 NS 3
118SB 47			0.985		47
118SB 48			0.999	7,8,9-	48
118SB 49			0.999	+	49
118SB 50			1.017	-	50

118SB 51			1.019	0+,1+,2+	51
118SB 52			1.024		52
118SB 53			1.044	(2,3)+	53
118SB 54			1.073	-	54
118SB 55			1.081	(+)	55
118SB 56			1.094		56
118SB 57			1.096	1+,2+,3+	57
118SB 58			1.113		58
118SB 59			1.117	(1,2,3)+	59
118SB 60			1.124		60

118SB 61			1.131	0+,1+,2+	61
118SB 62			1.143		62
118SB 63			1.148		63
118SB 64			1.150		64
118SB 65			1.153		65
118SB 66			1.154		66
118SB 67			1.160	+	67
118SB 68			1.165		68
118SB 69			1.168		69
118SB 70			1.171		70

118SB 71			1.187	7-,8-,9-	71
118SB 72			1.192	+	72
118SB 73			1.196		73
118SB 74			1.211		74
118SB 75			1.214	-	75
118SB 76			1.224	(8-)	76
118SB 77			1.234		77
118SB 78			1.252	(1,2,3)-	78
118SB 79			1.263	(2,3,4)-	79
118SB 80			1.270		80

118SB 81			1.280	(3,4,5)+	81
118SB 82			1.286		82

118SB 83			1.294		83
118SB 84			1.296	+	84
118SB 85			1.300		85
118SB 86			1.307		86
118SB 87			1.309		87
118SB 88			1.325		88
118SB 89			1.326		89
118SB 90			1.328		90

118SB 91			1.331		91
118SB 92			1.336		92
118SB 93			1.382		93
118SB 94			1.393		94
118SB 95			1.405		95
118SB 96			1.411		96
118SB 97			1.427	(9-)	97
118SB 98			1.428		98
118SB 99			1.434		99
118SB 100			1.451		100

118SB 101			1.458		101
118SB 102			1.498		102
118SB 103			1.542		103
118SB 104			1.571	(10-)	104
118SB 105			1.582		105
118SB 106			1.634		106
118SB 107			1.636		107
118SB 108			1.640		108
118SB 109			1.694		109
118SB 110			1.712		110

118SB 111			1.733	(11+)	111
118SB 112			1.753	(10-)	112
118SB 113			1.802		113
118SB 114			1.821		114

S-alpha=	1.851	(0.003)	-----		
118SB 115			1.852		115
118SB 116			1.889		116
118SB 117			2.105		117
118SB 118			2.115	(11-)	118
118SB 119			2.172		119
118SB 120			2.403	(12+)	120

118SB 121			2.503	(12-)	121
118SB 122			2.918		122
118SB 123			4.440		123

S-p	=	4.887	(0.003)	-----	
118SB 124			5.670		124
118SB 125			6.140		125
118SB 126			6.470		126

118SB 127				6.770	127
118SB 128				6.920	128
118SB 129				7.100	129
118SB 130				7.170	130

118SB 131				7.330	131
S-n	=	7.428	(0.009)	-----	
118SB 132				9.300	132
S-p	=	4.887	(0.003)	-----	
S-n	=	7.428	(0.009)	-----	
S-2p	=	14.324	(0.003)	-----	
S-2n	=	17.317	(0.006)	-----	
S-alpha	=	1.851	(0.003)	-----	
S+p	=	-6.475	(0.008)		
S+n	=	-9.551	(0.008)		
S+2p	=	-10.329	(0.015)		
S+2n	=	-16.563	(0.008)		
S+alpha	=	-0.508	(0.006)		
gap p	=	-1.588	(0.008)		
gap n	=	-2.123	(0.012)		
gap 2p	=	3.995	(0.016)		
gap 2n	=	0.753	(0.010)		
gap alpha	=	1.343	(0.007)		