

^{124}Sb $Z = 51$ $N = 73$ adopted link ENSDF link

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

BE = 1048.563 (0.001) MeV
 Qbeta- = 2.905 (0.002) MeV
 Qbeta+ = 0.612 (0.002) MeV

	Energy T	J+	J-	J-other	T1/2
124SB 1			0.000	3-	1 60.20 D 3
124SB 2	0.011	5+			2 93 S 5
124SB 3				0.037 (8)-	3 20.2 M 2
124SB 4				0.041 3+,4+	4 3.2 US 3
124SB 5				0.081 3+,4+	5 4 NS 1
124SB 6				0.088 (4)-	6
124SB 7				0.104 2-,3-,4-	7
124SB 8				0.125 (6)-	8 86 NS 2
124SB 9				0.132 3-,4-,5-	9
124SB 10				0.150 (1+)	10
124SB 11				0.180 (7,8)-	11
124SB 12				0.196 4+,5+	12
124SB 13				0.215 3+,4+,5+	13
124SB 14				0.221	14
124SB 15				0.231	15
124SB 16				0.248 +	16 0.38 NS 7
124SB 17				0.287 3+,4+	17
124SB 18				0.368	18
124SB 19				0.372 6-,7-,8-	19
124SB 20				0.385 4-,5-	20
124SB 21				0.386 2+,3+,4+	21
124SB 22				0.403 3+,4+	22
124SB 23				0.419 2-,3-,4-	23
124SB 24				0.439 4-,5-	24
124SB 25			0.446	6-	25
124SB 26				0.471 +	26
124SB 27				0.484 3+,4+,5+	27
124SB 28				0.523 +	28
124SB 29				0.565	29
124SB 30				0.582	30
124SB 31				0.593	31
124SB 32				0.599 3-,4-	32
124SB 33				0.613	33
124SB 34				0.642 5-,6,7-	34
124SB 35				0.643 4-,5,6-	35
124SB 36				0.653	36

124SB 37				0.745		37
124SB 38				0.757		38
124SB 39				0.770	(1+)	39
124SB 40				0.804		40

124SB 41				0.827	5-,6,7(-)	41
124SB 42				0.856	4-,5	42
124SB 43				0.863	3,4	43
124SB 44				0.869	3-,4,5-	44
124SB 45				0.881		45
124SB 46				0.897		46
124SB 47				0.905		47
124SB 48				0.918		48
124SB 49				0.939		49
124SB 50				0.968		50

124SB 51				1.021	3-,4,5-	51
124SB 52				1.031		52
124SB 53				1.053		53
124SB 54				1.060		54
124SB 55				1.067		55
124SB 56				1.075		56
124SB 57				1.097		57
124SB 58				1.129		58
124SB 59				1.143		59
124SB 60				1.160		60

124SB 61				1.181		61
124SB 62				1.237		62
124SB 63				1.242		63
124SB 64				1.261		64
124SB 65				1.268		65
124SB 66				1.286		66
124SB 67				1.302		67
124SB 68				1.330	(1+)	68
124SB 69				1.379		69
124SB 70				1.446	(+)	70

124SB 71				1.500	(1+)	71
124SB 72				1.566		72
124SB 73				1.586		73
124SB 74				1.596		74
124SB 75				1.605		75
124SB 76				1.617		76
124SB 77				1.689		77
124SB 78				1.717		78
124SB 79				1.746		79
124SB 80				1.833		80

124SB 81				1.870	(1+)	81

124SB 82				1.882		82
124SB 83				1.953	(+)	83
124SB 84				2.039		84
124SB 85				2.050	(1+)	85
124SB 86				2.165		86
124SB 87				2.179		87
124SB 88				2.221		88
124SB 89				2.305		89
124SB 90				2.375		90

124SB 91				2.410	(1+)	91
124SB 92				2.465		92
124SB 93				2.555	(+)	93
124SB 94				2.615	(-)	94
124SB 95				2.685	(-)	95
124SB 96				2.735	(-)	96
124SB 97				2.795	(-)	97
124SB 98				2.850	(1+)	98
124SB 99				2.875	(-)	99
124SB 100				2.935	(-)	100

124SB 101				3.090	(1+)	101
124SB 102				3.280	(1+)	102
124SB 103				3.600	(1+)	103
124SB 104				3.970	(1+)	104
124SB 105				4.150	(1+)	105

S-p = 7.093 (0.003)-----
S-n = 6.468 (0.002)-----
S-2p = 18.626 (0.050)-----
S-2n = 15.427 (0.003)-----
S-alpha= 4.316 (0.040)-----

S+p = -8.692 (0.002)
S+n = -8.707 (0.003)
S+2p = -14.869 (0.004)
S+2n = -14.917 (0.032)
S+alpha = -2.544 (0.004)

gap p = -1.599 (0.003)
gap n = -2.240 (0.003)
gap 2p = 3.756 (0.050)
gap 2n = 0.511 (0.032)
gap alpha = 1.772 (0.040)