

$^{121}\text{Sb}$        $Z = 51$        $N = 70$       adopted link      ENSDF link

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

BE = 1026.329 ( 0.003) MeV

	Energy T	J+	J-	J-other	T1/2
121SB 1	0.000	5/2+			1 STABLE
121SB 2	0.037	7/2+			2 3.46 NS 3
121SB 3	0.508	3/2+			3 1.93 PS 19
121SB 4	0.573	1/2+			4 10.0 PS 16
121SB 5	0.947	9/2+			5 20 PS +9-5
121SB 6	1.024	7/2+			6 0.16 PS 3
121SB 7	1.035	9/2+			7 0.3E-3 PS GT
121SB 8				1.139 9/2+,11/2+	8
121SB 9	1.145	9/2+			9 0.46 PS +15-9
121SB 10				1.322 (11/2+)	10
121SB 11				1.385 +	11
121SB 12				1.407 1/2+,3/2,5/2+	12
121SB 13				1.427 (11/2)-	13
121SB 14				1.448 3/2+,5/2+,7/2+	14
121SB 15				1.471 +	15
121SB 16				1.474 +	16
121SB 17				1.509 +	17
121SB 18				1.519 +	18
121SB 19				1.590	19
121SB 20				1.612 +	20
121SB 21				1.628 +	21
121SB 22				1.650 (13/2+)	22
121SB 23				1.659 1/2-,3/2-	23
121SB 24				1.736 +	24
121SB 25				1.758 +	25
121SB 26				1.811 1/2+,3/2+	26
121SB 27				1.822 1/2+,3/2+	27
121SB 28				1.868 +	28
121SB 29				1.883 +	29
121SB 30				1.911	30
121SB 31				1.927	31
121SB 32				1.932 +	32
121SB 33				1.951 +	33
121SB 34				1.982 3/2+,5/2+	34
121SB 35				1.995 +	35
121SB 36				1.998 (15/2+)	36
121SB 37				2.016	37
121SB 38				2.026	38

121SB 39			2.035	+	39
121SB 40			2.048		40
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121SB 41			2.057	(13/2+)	41
121SB 42			2.063	+	42
121SB 43			2.075	-	43
121SB 44			2.093	-	44
121SB 45			2.098	3/2+,5/2+	45
121SB 46			2.104	-	46
121SB 47			2.114	+	47
121SB 48			2.121		48
121SB 49			2.129	-	49
121SB 50			2.139	13/2+,15/2+	50
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121SB 51			2.140		51
121SB 52			2.142	(15/2)-	52 1.8 NS 2
121SB 53			2.149	-	53
121SB 54			2.151	(17/2)	54
121SB 55			2.159	-	55
121SB 56			2.165	-	56
121SB 57			2.176	-	57
121SB 58			2.189	1/2+,3/2+	58
121SB 59			2.209	-	59
121SB 60			2.236	+	60
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121SB 61			2.239	-	61
121SB 62			2.255		62
121SB 63			2.259		63
121SB 64			2.266	+	64
121SB 65			2.280		65
121SB 66			2.290	+	66
121SB 67			2.302	-	67
121SB 68			2.312	-	68
121SB 69			2.323		69
121SB 70			2.329	1/2+,3/2+	70
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121SB 71			2.357	(17/2+)	71
121SB 72			2.362	+	72
121SB 73			2.371		73
121SB 74			2.377	+	74
121SB 75			2.399	+	75
121SB 76			2.407	+	76
121SB 77			2.426	+	77
121SB 78			2.435	(19/2)-	78 7.8 NS 3
121SB 79			2.436	+	79
121SB 80			2.442		80
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121SB 81			2.448		81
121SB 82			2.452	+	82
121SB 83			2.459		83

121SB 84			2.477	-	84
121SB 85			2.488	-	85
121SB 86			2.498		86
121SB 87			2.502	+	87
121SB 88			2.523	+	88
121SB 89			2.543	17/2	89
121SB 90			2.545	-	90
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121SB 91			2.552	(21/2,19/2)-	91
121SB 92			2.558	+	92
121SB 93			2.574		93
121SB 94			2.579		94
121SB 95			2.586	+	95
121SB 96			2.599	-	96
121SB 97			2.607	-	97
121SB 98			2.625	1/2+,3/2+	98
121SB 99			2.636	+	99
121SB 100			2.639		100
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121SB 101			2.649	+	101
121SB 102			2.663		102
121SB 103			2.668		103
121SB 104			2.678		104
121SB 105			2.680	(19/2+)	105
121SB 106			2.691	3/2+,5/2+	106
121SB 107			2.699		107
121SB 108			2.714		108
121SB 109			2.721		109
121SB 110			2.722	(21/2)+	110 1.9 NS 3
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S-p = 5.790 ( 0.003)-----  
S-n = 9.253 ( 0.008)-----  
S-2p = 16.478 ( 0.008)-----  
S-2n = 16.266 ( 0.007)-----  
S-alpha= 3.081 ( 0.005)-----

S+p = -8.003 ( 0.003)  
S+n = -6.806 ( 0.004)  
S+2p = -12.921 ( 0.004)  
S+2n = -15.766 ( 0.003)  
S+alpha = -1.662 ( 0.003)

gap p = -2.213 ( 0.004)  
gap n = 2.447 ( 0.008)  
gap 2p = 3.557 ( 0.009)  
gap 2n = 0.500 ( 0.008)  
gap alpha = 1.419 ( 0.006)