

$^{115}\text{Sb}$        $Z = 51$        $N = 64$       adopted link      ENSDF link

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

BE = 975.305 ( 0.016) MeV

Qbeta+ = 3.030 ( 0.016) MeV

	Energy T	J+	J-	J-other	T1/2
115SB 1	0.000	5/2+			1 32.1 M 3
115SB 2	0.724	7/2+			2
115SB 3	0.770	1/2+			3 4.4E+2 FS +37-15
S-alpha= 1.036 ( 0.016)					
115SB 4				1.072 (3/2)+	4 93 FS +21-14
115SB 5	1.099	7/2+			5 0.58 PS 8
115SB 6			1.300 11/2-		6 6.2 NS 3
115SB 7	1.327	9/2+			7 1.21 PS +24-14
115SB 8	1.381	9/2+			8 0.97 PS 28
115SB 9				1.504 (3/2)+	9 106 FS 6
115SB 10				1.736 (5/2+)	10
115SB 11				1.755 (11/2)+	11
115SB 12				1.937	12 0.90 PS +35-14
115SB 13				2.074	13
115SB 14				2.093 (13/2)+	14
115SB 15				2.104 (3/2)+	15
115SB 16				2.215 (3/2)+	16
115SB 17				2.316 (13/2)-	17
115SB 18				2.323 (9/2)+	18
115SB 19				2.389 (7/2)+	19
115SB 20				2.458 (15/2)+	20
115SB 21			2.517 15/2-		21 0.42 PS +21-14
115SB 22			2.638 15/2-		22 2.1 PS GT
115SB 23				2.660 (3/2)+	23
115SB 24				2.688 (5/2,7/2)+	24
115SB 25				2.710 (3/2)+	25
115SB 26				2.764 (1/2,3/2)+	26
115SB 27				2.796 (19/2)-	27 159 NS 3
115SB 28				2.803 (17/2)-	28
115SB 29				2.838 (17/2)+	29
115SB 30			2.961 19/2-		30
115SB 31				3.004 (21/2)-	31
115SB 32				3.098 (19/2)	32
115SB 33				3.255 (19/2)+	33 1.1 PS +10-5
115SB 34				3.445 (23/2)-	34
115SB 35			3.542 23/2-		35
115SB 36				3.545 (21/2-)	36

115SB	37				3.660	(25/2)+	37	4.1 NS	2
115SB	38				3.693	(21/2)+	38		
S-p = 3.733 ( 0.016)-----									
115SB	39				3.792	(23/2-)	39		
115SB	40				4.112	(25/2-)	40		
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115SB	41				4.120	(23/2+)	41		
115SB	42		4.263	27/2-			42		
115SB	43				4.283		43		
115SB	44				4.345		44		
115SB	45				4.492	(27/2-)	45		
115SB	46				4.511	(25/2+)	46		
115SB	47		4.551	23/2-			47		
115SB	48				4.733		48		
115SB	49				4.885	(27/2+)	49		
115SB	50				4.901	(29/2-)	50		
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115SB	51				4.985		51		
115SB	52		5.035	27/2-			52		
115SB	53		5.110	31/2-			53		
115SB	54				5.150	(31/2-)	54		
115SB	55				5.245	(29/2+)	55		
115SB	56				5.331		56		
115SB	57				5.333	(31/2-)	57		
115SB	58		5.633	31/2-			58		
115SB	59				5.636	(31/2+)	59		
115SB	60				5.704		60		
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115SB	61				5.785		61		
115SB	62				5.793	(33/2-)	62		
115SB	63				6.030	(33/2+)	63		
115SB	64				6.069	(35/2-)	64		
115SB	65		6.349	35/2-			65		
115SB	66				6.432	(35/2+)	66		
115SB	67				6.886	(37/2+)	67		
115SB	68				7.121	(39/2-)	68		
115SB	69				7.172	(39/2-)	69		
115SB	70				8.104	(43/2-)	70		
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115SB	71				8.257	(43/2-)	71		
115SB	72				9.151	(47/2-)	72		

S-p = 3.733 ( 0.016)-----  
S-n = 10.578 ( 0.025)-----  
S-2p = 12.214 ( 0.016)-----  
S-2n = 18.729 ( 0.024)-----  
S-alpha= 1.036 ( 0.016)-----

S+p = -5.549 ( 0.029)

S+n = -7.890 ( 0.017)  
S+2p = -8.013 ( 0.030)  
S+2n = -17.779 ( 0.018)  
S+alpha = 0.801 ( 0.027)

gap p = -1.817 ( 0.033)  
gap n = 2.688 ( 0.031)  
gap 2p = 4.201 ( 0.034)  
gap 2n = 0.950 ( 0.030)  
gap alpha = 1.837 ( 0.032)