

^{107}Sb $Z = 51$ $N = 56$ adopted link ENSDF link

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

BE = 894.385 (0.004) MeV

Qbeta+ = 7.859 (0.007) MeV

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

S-alpha=	-1.554 (0.010)				
107SB 1				0.000 (5/2+)	1 4.0 S 2

S-p =	0.589 (0.007)				
107SB 2				0.769 (7/2+)	2
107SB 3				1.058 (9/2+)	3
107SB 4				1.389 (9/2+)	4
107SB 5				1.605 (11/2-)	5
107SB 6				1.790 (11/2+)	6
107SB 7				1.872	7
107SB 8				1.900 (13/2+)	8
107SB 9				2.164 (13/2+)	9
107SB 10				2.240 (15/2+)	10

107SB 11				2.535 (17/2+)	11
107SB 12				2.621 (15/2-)	12
107SB 13				2.746 (17/2+)	13
107SB 14				2.879	14
107SB 15				3.307	15
107SB 16				3.378 (19/2+)	16
107SB 17				3.482	17
107SB 18				3.487 (19/2-)	18
107SB 19				3.551	19
107SB 20				3.661 (21/2+)	20

107SB 21				3.733	21
107SB 22				3.779 (21/2-)	22
107SB 23				3.937	23
107SB 24				4.100 (23/2-)	24
107SB 25				4.215	25
107SB 26				4.235	26
107SB 27				4.307	27
107SB 28				4.443	28
107SB 29				4.608 (25/2-)	29
107SB 30				4.889	30

107SB 31				5.090	31
107SB 32				5.131	32
107SB 33				5.208 (27/2-)	33

S-2p =	5.591 (0.011)				
107SB 34				5.674 (29/2-)	34

107SB	35				5.769		35
107SB	36				5.968	(31/2-)	36
107SB	37				6.098		37
107SB	38				6.380	(33/2-)	38
107SB	39				6.438		39
107SB	40				7.269	(35/2-)	40

107SB	41				7.541	(37/2-)	41
107SB	42				7.901		42
107SB	43				8.407	(41/2-)	43
107SB	44				9.863		44

S-p = 0.589 (0.007)-----
 S-n = 12.251 (0.009)-----
 S-2p = 5.591 (0.011)-----
 S-2n = 22.780 (0.022)-----
 S-alpha= -1.554 (0.010)-----

S+p = -2.417 (0.007)
 S+n = -9.863 (0.007)
 S+2p = -1.597 (0.008)
 S+2n = -21.740 (0.007)
 S+alpha = 3.274 (0.006)

gap p = -1.829 (0.009)
 gap n = 2.388 (0.011)
 gap 2p = 3.993 (0.014)
 gap 2n = 1.040 (0.023)
 gap alpha = 1.720 (0.012)