

$^{135}\text{Sb}$        $Z = 51$        $N = 84$       adopted link      ENSDF link

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

BE = 1119.418 ( 0.003) MeV

Qbeta- = 8.039 ( 0.003) MeV

	Energy T	J+	J-	J-other	T1/2
135SB	1			0.000 (7/2+)	1 1.679 S 15
135SB	2			0.282 (5/2+)	2 6.1 NS 4
135SB	3			0.440 (3/2+)	3
135SB	4			0.523 (1/2+)	4 1.2 NS 1
135SB	5			0.707 (11/2+)	5
135SB	6			0.798 (9/2+)	6
135SB	7			1.014 (5/2+,7/2,9/2+)	7)
135SB	8			1.027 (7/2+,9/2)	8
135SB	9			1.113 (5/2+,7/2+)	9
135SB	10			1.118 (15/2+)	10
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135SB	11			1.207 (5/2+,7/2,9/2+)	11)
135SB	12			1.333 (7/2+,9/2)	12
135SB	13			1.343 (19/2+)	13 20 NS AP
135SB	14			1.353 (5/2,7/2+)	14
135SB	15			1.387 (5/2,7/2,9/2+)	15
135SB	16			1.456 (5/2,7/2,9/2+)	16
135SB	17			1.549	17
135SB	18			1.597 (7/2+,9/2)	18
135SB	19			1.630 (5/2,7/2,9/2+)	19
135SB	20			1.734 (5/2,7/2+)	20
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135SB	21			1.831 (5/2,7/2,9/2)	21
135SB	22			1.855 (5/2,7/2,9/2+)	22
135SB	23			1.973 (23/2+)	23
135SB	24			2.038	24
135SB	25			2.089 (5/2,7/2+)	25
135SB	26			2.170 (5/2+,7/2,9/2)	26
135SB	27			2.212	27
135SB	28			2.440	28
135SB	29			2.462 (5/2,7/2,9/2+)	29
135SB	30			2.764	30
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135SB	31			2.838 (21/2,23/2)	31
135SB	32			3.249 (27/2-)	32
135SB	33			3.263	33
135SB	34			3.688 (29/2-)	34

S-p = 10.545 ( 0.004)-----

S-n = 3.743 ( 0.004)-----  
S-2p = 26.557 ( 0.266)-----  
S-2n = 6.909 ( 0.004)-----  
S-alpha= 4.091 ( 0.003)-----

S+p = -12.024 ( 0.003)  
S+n = -2.888 ( 0.006)  
S+2p = -21.244 ( 0.009)  
S+2n = -6.513 ( 0.052)  
S+alpha = -1.206 ( 0.005)

gap p = -1.479 ( 0.005)  
gap n = 0.855 ( 0.008)  
gap 2p = 5.314 ( 0.266)  
gap 2n = 0.396 ( 0.052)  
gap alpha = 2.885 ( 0.006)