

^{106}Sn $Z = 50$ $N = 56$ adopted link ENSDF link

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

BE = 893.796 (0.005) MeV

Qbeta+ = 3.254 (0.013) MeV

	Energy T	J+	J-	J-other	T1/2
106SN 1	0.000	0+			1 115 S 5
S-alpha=	0.119 (0.005)				
106SN 2	1.208	2+			2
106SN 3	2.020	4+			3
106SN 4	2.325	6+			4 2.6 NS 4
106SN 5	3.480	8+			5
106SN 6				3.777	6
106SN 7	4.135	10+			7 25 PS 4
106SN 8			4.394	9-	8
106SN 9				4.459	9
106SN 10	4.587	10+			10
106SN 11				4.853	11
S-p =	5.002 (0.011)				
106SN 12	5.294	12+			12
106SN 13	5.542	11+			13
106SN 14			5.543	11-	14
106SN 15				5.860 (12+)	15
106SN 16				5.901 (11)	16
106SN 17				5.960	17
106SN 18			6.256	13-	18
106SN 19				6.656 13	19
106SN 20			6.711	14-	20 15 PS LE
106SN 21				6.746 (13-)	21
106SN 22				6.746	22
106SN 23				6.753	23
106SN 24				6.773	24
106SN 25				7.007 13	25
106SN 26			7.142	15-	26
106SN 27			7.385	15-	27
106SN 28				7.597 (16+)	28
106SN 29				7.598 (14-)	29
106SN 30				7.681	30
106SN 31				7.686	31
106SN 32				7.745	32
106SN 33			7.805	16-	33
106SN 34				7.865	34
S-2p =	7.963 (0.005)				

106SN	35				8.012	(15-)	35
106SN	36				8.046	(15-)	36
106SN	37				8.141		37
106SN	38				8.141		38
106SN	39		8.216	17-			39

S-p = 5.002 (0.011)-----
 S-n = 12.087 (0.006)-----
 S-2p = 7.963 (0.005)-----
 S-2n = 21.869 (0.008)-----
 S-alpha= 0.119 (0.005)-----

S+p = -0.589 (0.007)
 S+n = -9.230 (0.007)
 S+2p = -3.006 (0.007)
 S+2n = -20.859 (0.007)
 S+alpha = 2.699 (0.008)

gap p = 4.414 (0.013)
 gap n = 2.857 (0.010)
 gap 2p = 4.957 (0.009)
 gap 2n = 1.010 (0.011)
 gap alpha = 2.818 (0.010)