

^{126}Sn $Z = 50$ $N = 76$ adopted link ENSDF link

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

BE = 1063.884 (0.011) MeV

Qbeta- = 0.378 (0.034) MeV

	Energy T	J+	J-	J-other	T1/2
126SN 1	0.000	0+			1 2.18E+5 Y 10
126SN 2	1.141	2+			2 1.13 PS 7
126SN 3	2.050	4+			3
126SN 4				2.111 2(+)	4
126SN 5				2.130	5
126SN 6			2.162 5-		6 10.8 NS 7
126SN 7				2.194	7
126SN 8			2.219 7-		8 6.1 US 7
126SN 9				2.257	9
126SN 10				2.277	10
126SN 11				2.298	11
126SN 12				2.370 2(+)	12
126SN 13				2.373	13
126SN 14				2.472	14
126SN 15			2.478 6-		15
126SN 16				2.488 (8+)	16
126SN 17				2.550	17
126SN 18				2.565 (10+)	18 7.6 US 2
126SN 19				2.631	19
126SN 20				2.637 2(+)	20
126SN 21				2.663	21
126SN 22				2.712 2,3,4+	22
126SN 23			2.720 3-		23
126SN 24				2.743	24
126SN 25				2.795	25
126SN 26				2.840	26
126SN 27				2.886	27
126SN 28				2.892 (5-)	28
126SN 29				2.971	29
126SN 30				3.067	30
126SN 31				3.247 2(+)	31
126SN 32				3.284 (9-)	32
126SN 33				3.300	33
126SN 34				3.345 2(+)	34
126SN 35				3.385	35
126SN 36	3.424	4+			36
126SN 37				3.435 2(+)	37

126SN 38				3.455		38
126SN 39				3.504	2(+)	39
126SN 40				3.595	(12+)	40

126SN 41				3.626		41
126SN 42				3.783		42
126SN 43				3.809		43
126SN 44				3.818	2(+)	44
126SN 45				3.831		45
126SN 46				3.856	(7-,8-)	46
126SN 47				3.860	2,3,4+	47
126SN 48				3.887	2(+)	48
126SN 49				3.917	2,3,4+	49
126SN 50				3.926	(11-)	50

126SN 51				3.950		51
126SN 52				3.964	2(+)	52
126SN 53				3.977		53
126SN 54				3.985		54
126SN 55				4.014	2,3,4(+)	55
126SN 56				4.167	(13-)	56 3 NS LE
126SN 57				4.184		57
126SN 58				4.241	2(+)	58
126SN 59				4.257	2(+)	59
126SN 60				4.303	2(+)	60

126SN 61				4.331	2(+)	61
126SN 62				4.347	(15-)	62 126 NS 20
126SN 63				4.447		63
126SN 64				4.556	(4+,5-)	64
126SN 65				4.561	(14-)	65
126SN 66				4.583	(14+)	66
126SN 67				4.656	2(+)	67
126SN 68				4.700	2(+)	68
126SN 69				4.734		69
126SN 70		4.767	3-			70

126SN 71				4.779	(7-,8-,9-)	71
126SN 72				4.797	2(+)	72
126SN 73		4.807	3-			73
126SN 74		4.838	3-			74
126SN 75		4.869	3-			75
126SN 76		4.935	5-			76
126SN 77		4.974	5-			77
126SN 78				4.990	(7-)	78
126SN 79		5.009	5-			79
126SN 80		5.041	5-			80

126SN 81				5.061	(16+)	81 30 NS LT
126SN 82		5.092	5-			82

126SN 83			5.160	7-			83
126SN 84						5.188	84
126SN 85			5.214	3-			85
126SN 86			5.257	5-			86
126SN 87			5.297	5-			87
126SN 88						5.339 (4+)	88
126SN 89						5.367 (4+)	89
126SN 90						5.397	90

126SN 91						5.436	91
126SN 92						5.497 (17-)	92
126SN 93						5.528	93
126SN 94						5.587	94
126SN 95						5.838 (18+)	95
126SN 96						6.259 (19-)	96
126SN 97						7.324	97
S-alpha=		7.828 (0.011)	-----				
S-n =		8.193 (0.011)	-----				
126SN 98						8.375	98

S-p = 12.892 (0.011)-----
S-n = 8.193 (0.011)-----
S-2p = 23.894 (0.011)-----
S-2n = 13.926 (0.011)-----
S-alpha= 7.828 (0.011)-----

S+p = -7.972 (0.012)
S+n = -5.526 (0.014)
S+2p = -17.557 (0.011)
S+2n = -13.489 (0.021)
S+alpha = -3.763 (0.011)

gap p = 4.920 (0.016)
gap n = 2.667 (0.018)
gap 2p = 6.337 (0.015)
gap 2n = 0.438 (0.023)
gap alpha = 4.065 (0.015)