

^{108}Sn $Z = 50$ $N = 58$ adopted link ENSDF link

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

BE = 914.655 (0.005) MeV

Qbeta+ = 2.050 (0.010) MeV

	Energy T	J+	J-	J-other	T1/2
108SN 1	0.000	0+			1 10.30 M 8
S-alpha= 0.526 (0.006)					
108SN 2	1.206	2+			2 0.48 PS 12
108SN 3	2.111	4+			3
108SN 4				2.155 (2+)	4
108SN 5	2.364	6+			5 7.3 NS 4
108SN 6				2.479	6
108SN 7	2.625	5+			7
108SN 8				2.641	8
108SN 9				2.700 (0+)	9
108SN 10				2.805	10
108SN 11	2.817	6+			11
108SN 12	2.855	4+			12
108SN 13				2.976 (3+,4+)	13
108SN 14				3.075	14
108SN 15	3.560	8+			15 71 PS 10
108SN 16			3.586 7-		16
108SN 17				3.714	17
108SN 18	3.870	7+			18
108SN 19				3.880 (0+)	19
108SN 20				3.930 7	20
108SN 21	4.001	8+			21
108SN 22			4.146 8-		22
108SN 23	4.160	8+			23
108SN 24			4.176 9-		24
108SN 25	4.256	10+			25
108SN 26	4.399	9+			26
108SN 27	4.500	10+			27
108SN 28				4.900 (0+)	28
108SN 29				5.062 9	29
108SN 30			5.141 10-		30
108SN 31			5.317 11-		31
108SN 32	5.416	12+			32
108SN 33				5.699	33
108SN 34	5.754	10+			34
108SN 35				5.756	35
108SN 36	5.766	10+			36

S-p = 5.792 (0.011)-----									
108SN	37				5.959	12-			37
108SN	38							5.970 (10+)	38
108SN	39				6.070	12-			39
108SN	40				6.099	13-			40

108SN	41							6.163	41
108SN	42				6.316	13-			42
108SN	43				6.375	13-			43
108SN	44		6.494	12+					44
108SN	45				6.530	14-			45
108SN	46				6.666	12-			46
108SN	47				6.886	13-			47
108SN	48							7.029	48
108SN	49							7.036 (13-)	49
108SN	50				7.184	14-			50

108SN	51				7.195	15-			51
108SN	52		7.201	14+					52
108SN	53							7.300 (15-)	53
108SN	54							7.480	54
108SN	55				7.607	15-			55 0.46 PS 4
108SN	56							7.646	56
108SN	57				7.790	16-			57
108SN	58				7.790	15-			58
108SN	59		7.992	16+					59
108SN	60				8.038	15-			60

108SN	61							8.079	61
108SN	62				8.103	16-			62
108SN	63				8.117	16-			63 0.16 PS 1
108SN	64				8.330	17-			64
108SN	65				8.351	17-			65
108SN	66				8.380	15-			66
108SN	67				8.635	17-			67 0.20 PS +3-1
108SN	68				8.696	18-			68
108SN	69				8.701	17-			69
108SN	70		8.893	18+					70

108SN	71							8.934	71
108SN	72				9.106	19-			72
108SN	73				9.170	18-			73 0.31 PS +4-3
108SN	74				9.233	17-			74

S-2p = 9.516 (0.005)-----									
108SN	75				9.579	20-			75
108SN	76				9.721	19-			76 0.39 PS 9
108SN	77				9.774	19-			77
108SN	78		9.908	20+					78

S-p = 5.792 (0.011)-----
S-n = 11.629 (0.008)-----
S-2p = 9.516 (0.005)-----
S-2n = 20.859 (0.007)-----
S-alpha= 0.526 (0.006)-----

S+p = -1.470 (0.008)
S+n = -8.632 (0.010)
S+2p = -4.738 (0.008)
S+2n = -19.915 (0.015)
S+alpha = 2.078 (0.010)

gap p = 4.322 (0.013)
gap n = 2.997 (0.012)
gap 2p = 4.778 (0.010)
gap 2n = 0.944 (0.017)
gap alpha = 2.604 (0.011)