

^{104}Sn $Z = 50$ $N = 54$ adopted link ENSDF link

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

BE = 871.927 (0.006) MeV

Qbeta+ = 4.556 (0.008) MeV

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

S-alpha=	-0.143 (0.006)	-----			
104SN 1	0.000	0+			1 20.8 S 5
104SN 2	1.260	2+			2
104SN 3	1.943	4+			3
104SN 4				2.257 (6+)	4 1.5 NS 5
104SN 5	3.440	8+			5 14 PS LT
104SN 6	3.980	10+			6 104 PS 14
S-p =	4.284 (0.011)	-----			
104SN 7				4.722 (9-)	7 5.5 PS LT
104SN 8				5.839 (11-)	8
104SN 9				6.033 (11-)	9
104SN 10				6.084 (11-)	10 0.7 PS 3

104SN 11				6.431 (13-)	11 44 PS 7
104SN 12				6.470 (13-)	12 36 PS 8
S-2p =	6.545 (0.006)	-----			
104SN 13				6.581 (12-)	13 1 PS LE
104SN 14				6.854 (14-)	14
104SN 15				7.125 (13-)	15
104SN 16				7.998	16
104SN 17				8.443	17
104SN 18				8.990	18
104SN 19				9.587	19
104SN 20				9.998	20

S-p = 4.284 (0.011)-----

S-n = 12.598 (0.103)-----

S-2p = 6.545 (0.006)-----

S-2n = 22.835 (0.100)-----

S-alpha= -0.143 (0.006)-----

S+p = 0.323 (0.023)

S+n = -9.782 (0.007)

S+2p = -1.171 (0.101)

S+2n = -21.869 (0.008)

S+alpha = 3.420 (0.008)

gap p = 4.606 (0.025)

gap n = 2.816 (0.103)
gap 2p = 5.375 (0.101)
gap 2n = 0.965 (0.101)
gap alpha = 3.278 (0.010)