

^{130}Sn $Z = 50$ $N = 80$ adopted link ENSDF link

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

BE = 1090.286 (0.002) MeV

Qbeta- = 2.153 (0.014) MeV

	Energy T	J+	J-	J-other	T1/2
130SN 1	0.000	0+			1 3.72 M 7
130SN 2				1.221 (2+)	2
130SN 3				1.947 (7-)	3 1.7 M 1
130SN 4				1.996 (4+)	4
130SN 5				2.028 (2+)	5
130SN 6				2.085 (5-)	6 52 NS 3
130SN 7				2.215 (4-)	7 0.5 NS LT
130SN 8				2.257 (6+)	8
130SN 9				2.338 (8+)	9 40 NS LT
130SN 10				2.435 (10+)	10 1.61 US 15
130SN 11				2.491 (3-,4+)	11
130SN 12				2.493 (4,5)	12
130SN 13				2.598	13
130SN 14				3.167 (2-,3)	14
130SN 15				3.425 (4+)	15
130SN 16				4.120 (2-)	16
130SN 17				4.206 (9-)	17
130SN 18				4.225 (3-,4+)	18
130SN 19				4.405 (4+)	19
130SN 20				4.463 (4+)	20
130SN 21				5.263 (4+)	21

S-p = 14.586 (0.003)-----

S-n = 7.613 (0.017)-----

S-2p = 27.472 (0.007)-----

S-2n = 12.913 (0.018)-----

S-alpha= 10.302 (0.003)-----

S+p = -9.138 (0.003)

S+n = -5.204 (0.004)

S+2p = -19.634 (0.004)

S+2n = -12.557 (0.003)

S+alpha = -4.826 (0.003)

gap p = 5.448 (0.004)

gap n = 2.409 (0.018)

gap 2p = 7.838 (0.008)

gap 2n = 0.356 (0.018)
gap alpha = 5.475 (0.004)