

^{133}Sn $Z = 50$ $N = 83$ adopted link ENSDF link

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

BE = 1105.242 (0.002) MeV

Qbeta- = 8.050 (0.004) MeV

	Energy T	J+	J-	J-other	T1/2
133SN 1			0.000	7/2-	1 1.46 S 3
133SN 2			0.854	3/2-	2
133SN 3				1.363 (1/2-)	3
133SN 4				1.561 (9/2-)	4
133SN 5				2.005 (5/2-)	5
S-n	= 2.399 (0.003)	-----			
133SN 6				2.690 (13/2+)	6
133SN 7				3.700 (11/2-)	7

S-p = 15.751 (0.060)-----

S-n = 2.399 (0.003)-----

S-2p = 30.240 (0.019)-----

S-2n = 9.752 (0.004)-----

S-alpha= 10.177 (0.006)-----

S+p = -10.434 (0.004)

S+n = -3.631 (0.004)

S+2p = -21.433 (0.003)

S+2n = -5.901 (0.004)

S+alpha = -0.855 (0.003)

gap p = 5.317 (0.060)

gap n = -1.233 (0.005)

gap 2p = 8.807 (0.020)

gap 2n = 3.851 (0.005)

gap alpha = 9.322 (0.006)