

^{127}In $Z = 49$ $N = 78$ adopted link ENSDF link

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

BE = 1063.602 (0.010) MeV

Qbeta- = 6.590 (0.014) MeV

	Energy T	J+	J-	J-other	T1/2
127IN 1				0.000 (9/2+)	1 1.09 S 1
127IN 2				0.409 (1/2-)	2 3.67 S 4
127IN 3				0.933 (3/2-)	3
127IN 4				1.066 (5/2+,7/2)	4
127IN 5				1.202 (5/2+,7/2)	5
127IN 6				1.235 (5/2+,7/2)	6
127IN 7				1.301	7
127IN 8				1.589	8
127IN 9				1.611	9
127IN 10				1.863 (21/2-)	10 1.04 S 10
127IN 11				2.085 (23/2-)	11
127IN 12				2.317 (25/2+)	12
127IN 13				2.364 (29/2+)	13 9 US 2
127IN 14				2.677	14
127IN 15				2.688	15
127IN 16				2.757	16
127IN 17				2.825	17
127IN 18				2.852	18
127IN 19				2.894	19
127IN 20				3.589	20

S-p = 11.913 (0.010)-----
 S-n = 7.142 (0.011)-----
 S-2p = 26.938 (0.433)-----
 S-2n = 12.610 (0.010)-----
 S-alpha= 9.736 (0.034)-----

S+p = -13.771 (0.020)
 S+n = -5.382 (0.010)
 S+2p = -22.327 (0.023)
 S+2n = -12.098 (0.010)
 S+alpha = -7.526 (0.010)

gap p = -1.857 (0.023)
 gap n = 1.760 (0.015)
 gap 2p = 4.611 (0.434)
 gap 2n = 0.513 (0.014)

gap alpha = 2.210 (0.036)