

^{129}In $Z = 49$ $N = 80$ adopted link ENSDF link

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

BE = 1075.700 (0.002) MeV

Qbeta- = 7.756 (0.017) MeV

	Energy T	J+	J-	J-other	T1/2
129IN 1				0.000 (9/2+)	1 611 MS 5
129IN 2				0.459 (1/2-)	2 1.23 S 3
129IN 3				0.859 (5/2)	3
129IN 4				0.995 (11/2+)	4
129IN 5				1.020 (5/2)	5
129IN 6				1.091 (3/2-)	6
129IN 7				1.354 (13/2+)	7
129IN 8				1.423 (5/2+)	8
129IN 9				1.562 (5/2)	9
129IN 10				1.586 (9/2+)	10

129IN 11				1.630 (23/2-)	11 0.67 S 10
129IN 12				1.633 (5/2-)	12
129IN 13				1.688 (17/2-)	13 8.7 US 7
129IN 14				1.911 (29/2+)	14 110 MS 15
129IN 15				2.419 (13/2-)	15
129IN 16				2.919 (5/2)	16
129IN 17				3.150 (13/2-)	17
129IN 18				3.184	18
129IN 19				4.579 (5/2-)	19

S-p = 12.886 (0.007)-----
S-n = 6.716 (0.002)-----
S-2p = 28.712 (0.254)-----
S-2n = 12.098 (0.010)-----
S-alpha= 10.740 (0.433)-----

S+p = -14.586 (0.003)
S+n = -5.143 (0.003)
S+2p = -23.724 (0.003)
S+2n = -11.332 (0.003)
S+alpha = -8.514 (0.004)

gap p = -1.701 (0.007)
gap n = 1.573 (0.004)
gap 2p = 4.987 (0.254)
gap 2n = 0.765 (0.011)
gap alpha = 2.226 (0.433)