

$^{125}\text{In}$        $Z = 49$        $N = 76$       adopted link      ENSDF link

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

BE = 1050.992 ( 0.002) MeV

Qbeta- = 5.481 ( 0.002) MeV

	Energy T	J+	J-	J-other	T1/2
125IN 1	0.000	9/2+			1 2.36 S 4
125IN 2				0.360 1/2(-)	2 12.2 S 2
125IN 3				0.796 (3/2-)	3
125IN 4				1.027 (11/2+)	4
125IN 5				1.099 (5/2+)	5
125IN 6				1.173 (13/2+)	6
125IN 7				1.220 (1/2,3/2,5/2-)	7
125IN 8				1.564 (9/2,11/2,13/2+)	8
125IN 9				1.578	9
125IN 10				1.589	10
125IN 11				1.810	11
125IN 12				1.910 (13/2+)	12
125IN 13				1.953 (15/2+)	13
125IN 14				1.958	14
125IN 15				1.971	15
125IN 16				2.009 (19/2+)	16 9.4 US 6
125IN 17				2.065 (9/2,11/2,13/2)	17
125IN 18				2.101 (9/2,11/2,13/2)	18
125IN 19				2.147 (5/2+)	19
125IN 20				2.161 (23/2-)	20 5.0 MS 15
125IN 21				2.218 (9/2,11/2,13/2)	21
125IN 22				2.249 (9/2,11/2,13/2)	22
125IN 23				2.253 (9/2,11/2,13/2+)	23
125IN 24				2.349 (1/2,3/2,5/2)	24
125IN 25				2.378 (9/2,11/2,13/2)	25
125IN 26				2.381 (1/2,3/2,5/2)	26
125IN 27				2.393 (9/2-,11/2-)	27
125IN 28				2.411 (9/2,11/2,13/2)	28
125IN 29				2.497 (1/2+,3/2+)	29
125IN 30				2.573 (9/2,11/2,13/2)	30
125IN 31				2.585 (1/2+,3/2+,5/2+)	31
125IN 32				2.616 (9/2-,11/2-)	32
125IN 33				2.632 (9/2,11/2,13/2)	33
125IN 34				2.640 (9/2-,11/2-,13/2)	34-)
125IN 35				2.641 (1/2,3/2,5/2)	35
125IN 36				2.642 (9/2-,11/2-)	36
125IN 37				2.802 (9/2-,11/2-)	37

125IN	38				2.819	(9/2,11/2,13/2)	38
125IN	39				2.863	(9/2,11/2,13/2+)	39

S-p = 11.002 ( 0.003)-----  
 S-n = 7.616 ( 0.031)-----  
 S-2p = 25.422 ( 0.033)-----  
 S-2n = 13.126 ( 0.020)-----  
 S-alpha= 8.434 ( 0.012)-----

S+p = -12.892 ( 0.011)  
 S+n = -5.468 ( 0.005)  
 S+2p = -20.864 ( 0.005)  
 S+2n = -12.610 ( 0.010)  
 S+alpha = -6.642 ( 0.021)

gap p = -1.890 ( 0.011)  
 gap n = 2.148 ( 0.031)  
 gap 2p = 4.558 ( 0.033)  
 gap 2n = 0.516 ( 0.022)  
 gap alpha = 1.792 ( 0.025)