

^{102}In $Z = 49$ $N = 53$ adopted link ENSDF link

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

BE = 855.634 (0.005) MeV

Qbeta+ = 8.965 (0.005) MeV

	Energy T	J+	J-	J-other	T1/2
102IN 1				0.000 (6+)	1 23.3 S 1
S-alpha=	0.053 (0.033)				
102IN 2				0.094 (4+)	2
102IN 3				0.145 (7+)	3
102IN 4				0.163 (3+)	4
102IN 5				0.352 (7+)	5
102IN 6				0.483 (2+)	6
102IN 7				0.700 (3+)	7
102IN 8				0.938 (2+)	8
102IN 9				0.980 (8+)	9
102IN 10				1.270 (1+)	10
102IN 11				1.282 (9+)	11
102IN 12				1.315 (9+)	12
102IN 13				1.500 (9+)	13
102IN 14	1.521	1+			14
102IN 15	1.546	1+			15
102IN 16				1.663 (10+)	16
102IN 17				1.723 (10+)	17
102IN 18				1.808 (1+)	18
102IN 19	1.908	1+			19
102IN 20				1.913 (11+)	20
102IN 21				2.039 (11+)	21
S-p =	2.148 (0.005)				
102IN 22				2.200 (1+)	22
102IN 23				2.702 (10,12)	23
102IN 24				3.063 (12+)	24
102IN 25				3.180 (12+)	25
102IN 26				3.679	26
102IN 27				3.858 (13+)	27
102IN 28				3.941 (12-)	28
102IN 29				4.046 (12-)	29
102IN 30				4.119 (13-)	30
102IN 31				4.212 (13-)	31
102IN 32				4.238 (12-)	32
102IN 33				4.314 (12-)	33
102IN 34				4.341 (14-)	34
102IN 35				4.479 (13-)	35

102IN	36				4.733	(13+)	36
102IN	37				4.814	(14-)	37
102IN	38				4.894	(14-)	38
102IN	39				4.928	(13+)	39
102IN	40				4.957	(15-)	40

102IN	41				5.189		41
102IN	42				5.192	(14+)	42
102IN	43				5.853	(15+)	43
102IN	44				5.978		44
102IN	45				6.236	(16+)	45
102IN	46				6.483	(16-)	46
102IN	47				6.627	(17+)	47
S-2p	=	7.135	(0.007)	-----			
102IN	48				7.415		48
102IN	49				7.459	(17-)	49
102IN	50				8.175		50

102IN	51				8.248		51
102IN	52				9.059		52

S-p = 2.148 (0.005)-----
S-n = 10.221 (0.013)-----
S-2p = 7.135 (0.007)-----
S-2n = 22.660 (0.005)-----
S-alpha= 0.053 (0.033)-----

S+p = -3.695 (0.103)
S+n = -12.009 (0.010)
S+2p = -3.198 (0.104)
S+2n = -21.630 (0.007)
S+alpha = 1.797 (0.009)

gap p = -1.547 (0.103)
gap n = -1.787 (0.016)
gap 2p = 3.937 (0.104)
gap 2n = 1.029 (0.009)
gap alpha = 1.850 (0.034)