

^{113}In $Z = 49$ $N = 64$ adopted link ENSDF link

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

BE = 963.091 (0.000) MeV

	Energy T	J+	J-	J-other	T1/2
113IN 1	0.000	9/2+			1 STABLE
113IN 2			0.392 1/2-		2 99.476 M 23
113IN 3			0.647 3/2-		3
113IN 4	1.024	5/2+			4 3.6 PS 3
113IN 5				1.030 1/2+,3/2+	5 0.33 NS 3
113IN 6	1.064	3/2+			6 0.58 NS 3
113IN 7				1.106 3/2-,5/2-	7
113IN 8	1.131	5/2+			8 0.97 PS 7
113IN 9	1.173	11/2+			9 60 FS 6
113IN 10	1.191	7/2+			10
113IN 11	1.345	13/2+			11 0.33 PS 3
113IN 12				1.351	12
113IN 13				1.381 1/2-,3/2-,5/2-	13
113IN 14				1.453	14
113IN 15				1.472 3/2-,5/2-,7/2-	15
113IN 16				1.496	16
113IN 17				1.504	17
113IN 18				1.509 7/2+,9/2+	18 0.2 PS LE
113IN 19				1.536 1/2-,3/2-,5/2-	19
113IN 20				1.552	20
113IN 21				1.567 7/2+,9/2+	21 0.24 PS 10
113IN 22				1.570 -	22
113IN 23				1.619	23
113IN 24				1.631 (7/2+,9/2+)	24
113IN 25				1.634	25
113IN 26				1.675	26
113IN 27				1.684	27
113IN 28	1.689	11/2+			28
113IN 29	1.700	1/2+			29
113IN 30				1.707 +	30
113IN 31	1.758	9/2+			31
113IN 32				1.760	32
113IN 33				1.768 3/2+,5/2+	33
113IN 34				1.802	34
113IN 35				1.823	35
113IN 36	1.836	1/2+			36
113IN 37				1.865 -	37
113IN 38				1.914	38

113IN 39				1.921		39
113IN 40				1.938		40

113IN 41				1.948		41
113IN 42				1.980		42
113IN 43				1.999		43
113IN 44				2.033		44
113IN 45				2.040		45
113IN 46				2.048	7/2+,9/2+	46
113IN 47				2.051		47
113IN 48				2.064		48
113IN 49				2.070		49
113IN 50				2.094		50

113IN 51				2.095		51
113IN 52				2.104	9/2-,11/2-	52
113IN 53				2.116		53
113IN 54				2.118		54
113IN 55				2.145		55
113IN 56		2.153	1/2+			56
113IN 57				2.165		57
113IN 58				2.170		58
113IN 59				2.181		59
113IN 60				2.183		60

113IN 61				2.190	3/2+,5/2+	61
113IN 62				2.225		62
113IN 63				2.234	(15/2-)	63
113IN 64				2.253		64
113IN 65				2.281		65
113IN 66		2.283	17/2+			66
113IN 67				2.295		67
113IN 68				2.298	3/2+,5/2+	68
113IN 69				2.331		69
113IN 70				2.340		70

113IN 71				2.346	3/2+,5/2+	71
113IN 72				2.372		72
113IN 73				2.376	9/2-,11/2-	73
113IN 74				2.378		74
113IN 75				2.384		75
113IN 76		2.389	15/2+			76
113IN 77				2.391	3/2+,5/2+	77

S-p = 6.081 (0.000)-----
S-n = 9.448 (0.004)-----
S-2p = 15.730 (0.001)-----
S-2n = 17.118 (0.003)-----
S-alpha= 3.073 (0.001)-----

S+p = -8.482 (0.000)
S+n = -7.274 (0.000)
S+2p = -12.214 (0.016)
S+2n = -16.312 (0.000)
S+alpha = -1.697 (0.008)

gap p = -2.400 (0.000)
gap n = 2.174 (0.004)
gap 2p = 3.515 (0.016)
gap 2n = 0.806 (0.003)
gap alpha = 1.375 (0.009)