

^{115}I $Z = 53$ $N = 62$ adopted link ENSDF link

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

BE = 963.075 (0.029) MeV

Qbeta+ = 5.725 (0.040) MeV

	Energy T	J+	J-	J-other	T1/2

S-alpha=	-2.074 (0.030)				
115I	1			0.000 (5/2+)	1 1.3 M 2
115I	2			0.057 (7/2+)	2
115I	3			0.565 (9/2+)	3 0.50 NS 10
115I	4			0.634 (9/2+)	4
115I	5			0.732 (9/2+)	5
115I	6			0.837 (11/2-)	6 0.90 NS 20
115I	7			0.878 (11/2+)	7
115I	8			1.198 (13/2+)	8
115I	9			1.248 (15/2-)	9
115I	10			1.541 (15/2+)	10

S-p	= 1.737 (0.038)				
115I	11			1.765 (19/2-)	11
115I	12			1.899 (17/2+)	12
115I	13			2.274 (19/2+)	13
115I	14			2.387 (23/2-)	14
115I	15			2.659 (21/2+)	15
115I	16			2.917	16
115I	17			3.053 (23/2+)	17
115I	18			3.116 (27/2-)	18
115I	19			3.406 (27/2-)	19
115I	20			3.448 (25/2+)	20

115I	21			3.462 (25/2+)	21
115I	22			3.840 (27/2+)	22
115I	23			3.912 (31/2-)	23
115I	24			4.053 (31/2-)	24
115I	25			4.245 (29/2+)	25
115I	26			4.762 (35/2-)	26
115I	27			4.799 (35/2-)	27
115I	28			5.083	28
115I	29			5.620 (39/2-)	29
115I	30			5.656 (39/2-)	30

115I	31			6.484 (43/2-)	31
S-2p	= 6.499 (0.034)				
115I	32			6.543 (43/2-)	32
115I	33			6.672 (43/2-)	33
115I	34			7.517 (47/2-)	34

115I	35				7.728	(47/2-)	35
115I	36				8.229	(51/2-)	36
115I	37				8.570		37
115I	38				8.857	(51/2-)	38
115I	39				8.899	(51/2-)	39
115I	40				9.499	(55/2-)	40

S-p = 1.737 (0.038)-----

S-n = 11.770 (0.035)-----

S-2p = 6.499 (0.034)-----

S-2n = 21.361 (0.030)-----

S-alpha= -2.074 (0.030)-----

S+p = -3.998 (0.032)

S+n = -9.154 (0.080)

S+2p = -4.733 (0.069)

S+2n = -20.243 (0.039)

S+alpha = 1.608 (0.032)

gap p = -2.261 (0.049)

gap n = 2.616 (0.088)

gap 2p = 1.766 (0.077)

gap 2n = 1.118 (0.049)

gap alpha = -0.466 (0.044)