

^{136}I $Z = 53$ $N = 83$ adopted link ENSDF link

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

BE = 1135.780 (0.014) MeV

Qbeta- = 6.884 (0.014) MeV

	Energy T	J+	J-	J-other	T1/2
136I	1			0.000 (1-)	1 83.4 S 4
136I	2			0.087 (2-,1-,0-)	2 0.4 NS 1
136I	3			0.201 (6-)	3 46.6 S 11
136I	4			0.222	4
136I	5			0.244 (7-)	5
136I	6			0.317	6
136I	7			0.334 (0-,1)	7
136I	8			0.579 (0,1,2)	8
136I	9			0.631 (0-,1)	9
136I	10			0.738 (0,1,2)	10
136I	11			1.355 (9-)	11
136I	12			1.616 (11-)	12 4 NS AP
136I	13			1.859 (12-)	13
S-alpha=	2.335 (0.014)				
136I	14	2.656 1+			14
136I	15			2.685	15
136I	16			3.079	16
136I	17	3.137 1+			17
136I	18			3.143	18
136I	19	3.235 1+			19
136I	20			3.260	20
136I	21			3.321	21
S-n	= 3.837 (0.014)				
136I	22			4.319	22
S-p	= 9.105 (0.014)				
S-n	= 3.837 (0.014)				
S-2p	= 20.104 (0.015)				
S-2n	= 11.645 (0.015)				
S-alpha=	2.335 (0.014)				
S+p	= -10.127 (0.014)				
S+n	= -4.882 (0.016)				
S+2p	= -17.920 (0.017)				
S+2n	= -8.577 (0.015)				
S+alpha	= 0.071 (0.016)				

gap p = -1.022 (0.020)
gap n = -1.045 (0.022)
gap 2p = 2.185 (0.022)
gap 2n = 3.067 (0.021)
gap alpha = 2.406 (0.022)