

^{137}I $Z = 53$ $N = 84$ adopted link ENSDF link

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

BE = 1140.662 (0.008) MeV

Qbeta- = 6.027 (0.008) MeV

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

S-alpha=	-0.142	(0.009)	-----		
137I	1			0.000 (7/2+)	1 24.5 S 2
137I	2 0.243	5/2+			2
137I	3 0.554	9/2+			3
137I	4 0.621	11/2+			4
137I	5 0.954	13/2+			5
137I	6 1.109	15/2+			6
137I	7 1.313	17/2+			7
137I	8 1.609	19/2+			8
137I	9 2.038	21/2+			9
137I	10 2.223	23/2+			10

137I	11 2.743	25/2+			11
137I	12 3.085	27/2+			12
137I	13 3.167	29/2+			13
137I	14			3.651 (31/2+)	14
137I	15			3.853 (33/2+)	15

S-p = 9.220 (0.009)-----

S-n = 4.882 (0.016)-----

S-2p = 21.244 (0.009)-----

S-2n = 8.720 (0.009)-----

S-alpha= -0.142 (0.009)-----

S+p = -10.905 (0.009)

S+n = -3.695 (0.010)

S+2p = -18.923 (0.009)

S+2n = -8.258 (0.009)

S+alpha = -0.546 (0.012)

gap p = -1.685 (0.012)

gap n = 1.187 (0.019)

gap 2p = 2.321 (0.013)

gap 2n = 0.462 (0.013)

gap alpha = -0.689 (0.015)