

^{130}I $Z = 53$ $N = 77$ adopted link ENSDF link

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

BE = 1094.743 (0.003) MeV
 Qbeta- = 2.944 (0.003) MeV
 Qbeta+ = 0.417 (0.003) MeV

	Energy T	J+	J-	J-other	T1/2
130I	1 0.000	5+			1 12.36 H 1
130I	2 0.040	2+			2 8.84 M 6
130I	3			0.043 (1:4)+	3
130I	4			0.044 (3)-	4
130I	5			0.044 3+,4+	5
130I	6 0.049	4+			6
130I	7			0.062	7
130I	8			0.070 (6)-	8 133 NS 7
130I	9			0.080 (2-)	9
130I	10			0.082 -	10 315 NS 15

S-p = 7.220 (0.003)-----
 S-n = 6.500 (0.004)-----
 S-2p = 16.884 (0.019)-----
 S-2n = 15.341 (0.005)-----
 S-alpha= 2.968 (0.032)-----

S+p = -8.766 (0.003)
 S+n = -8.578 (0.003)
 S+2p = -14.794 (0.003)
 S+2n = -14.910 (0.005)
 S+alpha = -2.380 (0.003)

gap p = -1.546 (0.005)
 gap n = -2.077 (0.005)
 gap 2p = 2.090 (0.019)
 gap 2n = 0.431 (0.007)
 gap alpha = 0.588 (0.032)