

^{142}I $Z = 53$ $N = 89$ adopted link ENSDF link

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

BE = 1159.466 (0.005) MeV

Qbeta- = 10.427 (0.006) MeV

	Energy T	J+	J-	J-other	T1/2
142I	1			0.000	1 222 MS 12

S-p = 11.444 (0.423)-----

S-n = 2.948 (0.017)-----

S-2p = 25.046 (0.560)-----

S-2n = 7.339 (0.013)-----

S-alpha= 2.606 (0.276)-----

S+p = -12.689 (0.007)

S+n = -4.125 (0.143)

S+2p = -23.046 (0.021)

S+2n = -6.646 (0.432)

S+alpha = -2.932 (0.006)

gap p = -1.245 (0.423)

gap n = -1.178 (0.144)

gap 2p = 1.999 (0.560)

gap 2n = 0.693 (0.432)

gap alpha = -0.326 (0.276)