

^{143}Xe $Z = 54$ $N = 89$ adopted link ENSDF link

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

BE = 1172.155 (0.005) MeV

Qbeta- = 7.473 (0.009) MeV

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

143XE	1		0.000	5/2-	1 0.511 S 6
143XE	2			0.079 (3/2,5/2,7/2)+	2
143XE	3			0.323	3
143XE	4			0.547	4
143XE	5			0.567	5
143XE	6			0.741	6
143XE	7			1.008	7
143XE	8			1.429	8
143XE	9			1.963	9

S-p = 12.689 (0.007)-----
 S-n = 3.045 (0.005)-----
 S-2p = 24.133 (0.423)-----
 S-2n = 8.148 (0.005)-----
 S-alpha= 2.423 (0.006)-----

S+p = -10.357 (0.021)
 S+n = -4.741 (0.007)
 S+2p = -21.891 (0.010)
 S+2n = -7.433 (0.012)
 S+alpha = -2.486 (0.020)

gap p = 2.332 (0.022)
 gap n = -1.696 (0.009)
 gap 2p = 2.241 (0.423)
 gap 2n = 0.715 (0.013)
 gap alpha = -0.063 (0.021)