

^{112}Xe $Z = 54$ $N = 58$ [link to full NNDC output](#)

Based on ENSDF from Dec 2018, and mass evaluation from 2016

BE = 921.767 (0.008) MeV

Qbeta+ = 7.037 (0.013) MeV

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

S-alpha=	-3.330	(0.010)	-----		
112XE 1	0.000	0+			1 2.7 S 8
112XE 2	0.466	2+			2
112XE 3	1.122	4+			3
112XE 4				1.650 (3-)	4
112XE 5	1.907	6+			5
112XE 6				2.022 (5-)	6

S-p	= 2.362	(0.010)	-----		
S-2p	= 2.375	(0.011)	-----		
112XE 7				2.594 (7-)	7
112XE 8	2.777	8+			8
112XE 9				3.189 (9-)	9
112XE 10	3.550	10+			10

112XE 11				3.852 (11-)	11
112XE 12				4.447 (13-)	12
112XE 13	4.469	12+			13

S-p = 2.362 (0.010)-----
 S-n = 13.702 (0.087)-----
 S-2p = 2.375 (0.011)-----
 S-2n = 24.247 (0.101)-----
 S-alpha= -3.330 (0.010)-----

S+p = 0.973 (0.012)
 S+n = -10.248 (0.011)
 S+2p = -0.457 (0.103)
 S+2n = -23.202 (0.014)
 S+alpha = 0.000 (0.000)

gap p = 3.335 (0.015)
 gap n = 3.454 (0.088)
 gap 2p = 1.918 (0.104)
 gap 2n = 1.044 (0.102)
 gap alpha = 0.000 (0.000)