

^{114}Xe $Z = 54$ $N = 60$ [link to full NNDC output](#)

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

BE = 944.969 (0.011) MeV

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

S-alpha=	-2.719	(0.013)	-----		
114XE 1	0.000	0+			1 10.0 S 4
114XE 2	0.450	2+			2 15.6 PS 8
114XE 3	1.069	4+			3 3.6 PS 4
114XE 4				1.149 (2)+	4
114XE 5			1.624 3-		5 8.3 PS 21
114XE 6				1.777 (4)+	6
114XE 7	1.790	6+			7 2.1 PS 3
114XE 8			2.001 5-		8 21.2 PS 18
114XE 9				2.356 (6)+	9
114XE 10	2.554	8+			10

114XE 11			2.559 7-		11 3.8 PS 8
114XE 12			2.766 6-		12
114XE 13			2.920 7-		13
114XE 14				2.984 (8)+	14
114XE 15			3.095 8-		15
114XE 16			3.171 9-		16

S-p	= 3.255	(0.014)	-----		
114XE 17			3.290 9-		17
114XE 18	3.306	10+			18
114XE 19				3.613 (10)+	19
114XE 20				3.638 (10-)	20

114XE 21			3.864 11-		21
114XE 22			3.924 11-		22
114XE 23	4.047	12+			23

S-2p	= 4.096	(0.014)	-----		
114XE 24				4.140 (12+)	24
114XE 25				4.408 (12-)	25
114XE 26			4.698 13-		26
114XE 27			4.736 13-		27
114XE 28	4.816	14+			28
114XE 29				4.849 (14+)	29
114XE 30				5.286 (14-)	30

114XE 31			5.452 15-		31
114XE 32			5.618 15-		32
114XE 33	5.635	16+			33 0.49 PS +21-13
114XE 34				5.712 (16+)	34
114XE 35				5.720	35

114XE 36						6.158	(16-)	36	
114XE 37				6.308	17-			37	
114XE 38						6.330		38	
114XE 39		6.514	18+					39 0.34 PS +15-7	
114XE 40				6.537	17-			40	

114XE 41						6.681	(18+)	41	
114XE 42				6.851	19-			42	
114XE 43						7.022	(18-)	43	
114XE 44						7.357	(19-)	44	
114XE 45		7.452	20+					45 0.24 PS +10-6	
114XE 46				7.545	21-			46	
114XE 47		7.684	20+					47	
114XE 48						7.898	(20-)	48	
114XE 49						8.255	(21-)	49	
114XE 50				8.380	23-			50	

114XE 51		8.449	22+					51 0.18 PS +8-5	
114XE 52						9.372	(25-)	52	
114XE 53		9.511	24+					53 0.132 PS +55-35	
114XE 54		10.543	26+					54	
114XE 55						10.583	(27-)	55	
114XE 56		10.626	26+					56	
114XE 57		10.660	26+					57	
114XE 58		11.619	28+					58	
114XE 59						11.774	(28+)	59	
114XE 60		11.864	28+					60	

114XE 61						12.806	(30+)	61	
114XE 62						12.888	(30+)	62	
S-n	=	12.954	(0.013)	-----					
114XE 63		13.142	30+					63	
114XE 64						14.115	(32+)	64	
114XE 65						14.502	(32+)	65	
114XE 66						15.640	(34+)	66	
114XE 67						15.952	(34+)	67	
114XE 68						17.452	(36+)	68	
114XE 69						17.485	(36+)	69	
114XE 70						19.115	(38+)	70	

S-p = 3.255 (0.014)-----
S-n = 12.954 (0.013)-----
S-2p = 4.096 (0.014)-----
S-2n = 23.202 (0.014)-----
S-alpha= -2.719 (0.013)-----

S+p = 0.000 (0.000)
S+n = -9.642 (0.016)

S+2p = 0.000 (0.000)
S+2n = -22.103 (0.017)
S+alpha = 0.000 (0.000)

gap p = 0.000 (0.000)
gap n = 3.311 (0.021)
gap 2p = 0.000 (0.000)
gap 2n = 1.099 (0.022)
gap alpha = 0.000 (0.000)