

^{114}Xe $Z = 54$ $N = 60$ adopted link ENSDF link

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

BE = 944.969 (0.011) MeV

Qbeta+ = 5.553 (0.023) 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

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 = 0.129 (0.116)
S+n = -9.642 (0.016)
S+2p = -1.823 (0.232)
S+2n = -22.104 (0.017)
S+alpha = 2.479 (0.236)

gap p = 3.385 (0.116)
gap n = 3.311 (0.021)
gap 2p = 2.274 (0.233)
gap 2n = 1.098 (0.022)
gap alpha = -0.240 (0.237)