

^{132}Xe $Z = 54$ $N = 78$ adopted link ENSDF link

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

BE = 1112.446 (0.000) MeV

	Energy T	J+	J-	J-other	T1/2
132XE 1	0.000	0+			1 STABLE
132XE 2	0.668	2+			2 4.63 PS 30
132XE 3	1.298	2+			3 3.05 PS 28
132XE 4	1.440	4+			4 1.80 PS 14
132XE 5	1.804	3+			5
132XE 6				1.850 0+&2+	6
132XE 7	1.963	4+			7
132XE 8	1.986	2+			8
132XE 9				2.040 (5-)	9
132XE 10	2.110	4+			10
132XE 11	2.112	6+			11
132XE 12	2.167	5+			12
132XE 13				2.169 (1,2+)	13
132XE 14	2.187	2+			14
132XE 15				2.214 (7-)	15 87 NS 3
132XE 16				2.303 (6+)	16
132XE 17	2.351	5+			17
132XE 18				2.353 (4,6)	18
132XE 19	2.395	4+			19
132XE 20	2.425	3+			20
132XE 21				2.469 (3-)	21
132XE 22				2.490 0+&2+	22
132XE 23				2.512 (4+)	23
132XE 24				2.556 (2+,3)	24
132XE 25	2.584	5+			25
132XE 26				2.589 (4+)	26
132XE 27	2.613	5+			27
132XE 28				2.650 (7-)	28
132XE 29	2.670	3+			29
S-alpha=	2.710 (0.001)				
132XE 30				2.714 (1,2+)	30
132XE 31				2.752 (10+)	31 8.39 MS 11
132XE 32				2.754 (4+)	32
132XE 33				2.828 (7,8,9-)	33
132XE 34	2.839	5+			34
132XE 35				2.840 4(+)	35
132XE 36				2.873	36
132XE 37				2.891 (4+)	37

132XE	38				2.917	(2+,3,4+)	38
132XE	39				2.935		39
132XE	40				2.959	(2+,3,4+)	40

132XE	41				2.960	(7,8,9-)	41
132XE	42				3.050		42
132XE	43				3.058	(3+)	43
132XE	44				3.076	(3+)	44
132XE	45				3.084	(3,4+)	45
132XE	46				3.112	(3,4+)	46
132XE	47				3.122	(4+)	47
132XE	48				3.156	3+,4+	48
132XE	49				3.181	(3-)	49
132XE	50				3.193	(3+)	50

132XE	51				3.214	(3,4+)	51
132XE	52				3.227	(3,4,5)	52
132XE	53				3.237	(3+,4+)	53
132XE	54				3.243		54
132XE	55				3.249		55
132XE	56				3.261	(3,4+)	56
132XE	57				3.320	(3,4+)	57
132XE	58				3.353	(4+,5)	58
132XE	59				3.385	(3,4+)	59
132XE	60				3.700		60

132XE	61				3.733		61
132XE	62				3.793		62
132XE	63				3.825		63
132XE	64				3.855		64
132XE	65				3.875		65
132XE	66				3.909		66
132XE	67				3.954		67
132XE	68				3.990		68
132XE	69				4.018		69
132XE	70				4.027		70

132XE	71				4.095	(3-,4+)	71
132XE	72				4.110		72
132XE	73				4.147		73
132XE	74				4.168		74
132XE	75				4.188		75
132XE	76				4.200		76
132XE	77				4.230		77

S-p = 9.125 (0.001)-----
S-n = 8.937 (0.000)-----
S-2p = 16.504 (0.000)-----
S-2n = 15.541 (0.000)-----

S-alpha= 2.710 (0.001)-----

S+p = -6.081 (0.000)

S+n = -6.436 (0.002)

S+2p = -14.249 (0.000)

S+2n = -14.990 (0.000)

S+alpha = -2.033 (0.000)

gap p = 3.044 (0.001)

gap n = 2.501 (0.002)

gap 2p = 2.255 (0.000)

gap 2n = 0.552 (0.000)

gap alpha = 0.677 (0.001)