

^{135}Xe $Z = 54$ $N = 81$ adopted link ENSDF link

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

BE = 1133.795 (0.004) MeV

Qbeta- = 1.168 (0.004) MeV

	Energy T	J+	J-	J-other	T1/2
135XE 1	0.000	3/2+			1 9.14 H 2
135XE 2	0.288	1/2+			2
135XE 3			0.527	11/2-	3 15.29 M 5
135XE 4	1.132	7/2+			4
135XE 5	1.260	5/2+			5
135XE 6				1.448 (3/2+)	6
135XE 7	1.458	5/2+			7
135XE 8				1.544 (1/2+)	8
135XE 9	1.565	9/2+			9
135XE 10				1.678 (7/2+)	10
135XE 11				1.748 (15/2-)	11
135XE 12				1.781 (11/2+)	12
135XE 13	1.791	5/2+			13
135XE 14				1.850 (13/2-)	14
135XE 15				1.894 (7/2,9/2)	15
135XE 16				1.927 (5/2+,7/2+)	16
135XE 17				1.968 (9/2+)	17
135XE 18				2.046 (5/2+,7/2+)	18
135XE 19				2.049	19
135XE 20				2.058 (19/2-)	20
135XE 21				2.093 (7/2-,9/2)	21
135XE 22				2.112 (5/2+)	22
135XE 23				2.152	23
135XE 24				2.169 (17/2-)	24
135XE 25				2.233 (9/2+)	25
135XE 26				2.255 (7/2+)	26
135XE 27				2.356	27
135XE 28				2.357 (9/2+)	28
135XE 29				2.372 7/2(+),9/2(+)	29
135XE 30				2.388	30
135XE 31				2.409 (5/2,7/2+)	31
135XE 32				2.447	32
135XE 33				2.466 (7/2+)	33
135XE 34				2.475 (7/2-,9/2)	34
135XE 35				2.478 (5/2)	35
135XE 36				2.571	36
135XE 37				2.711	37

S-p = 9.659 (0.006)-----
S-n = 6.359 (0.004)-----
S-2p = 18.054 (0.004)-----
S-2n = 14.913 (0.004)-----
S-alpha= 3.627 (0.004)-----

S+p = -7.214 (0.004)
S+n = -8.087 (0.004)
S+2p = -15.886 (0.004)
S+2n = -12.113 (0.004)
S+alpha = -0.925 (0.004)

gap p = 2.445 (0.007)
gap n = -1.728 (0.005)
gap 2p = 2.168 (0.006)
gap 2n = 2.800 (0.006)
gap alpha = 2.702 (0.005)