

^{134}Xe $Z = 54$ $N = 80$ [link to full NNDC output](#)

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

BE = 1127.436 (0.000) MeV

	Energy T	J+	J-	J-other	T1/2
134XE 1	0.000	0+			1 5.8E+22 Y GT
134XE 2	0.847	2+			2 2.08 PS 14
134XE 3				1.614 (2)+	3
134XE 4				1.636 (0+)	4
134XE 5	1.731	4+			5 2.22 PS 14
134XE 6	1.920	3+			6
134XE 7				1.947	7
134XE 8			1.965 7-		8 290 MS 17
134XE 9				2.082 (4+)	9
134XE 10				2.116 (2,3,4)	10
134XE 11				2.137	11
134XE 12	2.137	6+			12
134XE 13				2.208	13
134XE 14				2.263 (2+)	14
134XE 15	2.272	5+			15
134XE 16				2.294	16
134XE 17				2.302 (3,4+)	17
134XE 18				2.353 (4+)	18
134XE 19				2.389 (1)	19
134XE 20				2.408 (5+)	20
134XE 21				2.417 (1,2,3,4)	21
134XE 22				2.548 4+,5+	22
134XE 23				2.561 (2+)	23
134XE 24				2.580	24
134XE 25				2.588 (4+)	25
134XE 26				2.654 3(+)	26
134XE 27				2.773 (3,4+)	27
134XE 28				2.867 (4+)	28
134XE 29				2.997 (8+)	29
134XE 30				3.025 (10+)	30 5 US 1
134XE 31				3.084 (3,4+)	31
S-alpha=	3.198 (0.000)				
134XE 32				3.256 (3,4+)	32
134XE 33				3.300	33
134XE 34				3.315 (3,4+)	34
134XE 35				3.360 (3,4+)	35
134XE 36				3.375 (4,5)	36
134XE 37				3.477	37

S-p = 9.557 (0.006)-----
S-n = 8.554 (0.002)-----
S-2p = 17.516 (0.003)-----
S-2n = 14.990 (0.000)-----
S-alpha= 3.198 (0.000)-----

S+p = -6.745 (0.001)
S+n = -6.358 (0.004)
S+2p = -15.339 (0.000)
S+2n = -14.446 (0.000)
S+alpha = -2.561 (0.000)

gap p = 2.812 (0.006)
gap n = 2.195 (0.004)
gap 2p = 2.177 (0.003)
gap 2n = 0.544 (0.000)
gap alpha = 0.637 (0.000)