

^{115}Xe $Z = 54$ $N = 61$ adopted link ENSDF link

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

BE = 954.612 (0.012) MeV

Qbeta+ = 7.681 (0.031) MeV

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

S-alpha=	-2.506 (0.014)				
115XE 1				0.000 (5/2+)	1 18 S 4
115XE 2	0.208	7/2+			2
115XE 3	0.220	5/2+			3
115XE 4			0.241 11/2-		4
115XE 5	0.569	9/2+			5
115XE 6			0.655 15/2-		6
115XE 7	0.709	11/2+			7
115XE 8	1.125	13/2+			8
115XE 9	1.284	15/2+			9
115XE 10			1.290 19/2-		10

115XE 11				1.548	11
115XE 12	1.725	17/2+			12
115XE 13	1.944	19/2+			13
115XE 14			2.057 23/2-		14
115XE 15				2.264	15
115XE 16	2.329	21/2+			16
115XE 17	2.397	21/2+			17
115XE 18				2.544	18
115XE 19	2.681	23/2+			19
115XE 20	2.893	25/2+			20

115XE 21			2.911 27/2-		21
115XE 22	3.029	25/2+			22

S-p =	3.307 (0.023)				
115XE 23	3.470	29/2+			23
115XE 24			3.830 31/2-		24
115XE 25	4.193	33/2+			25
115XE 26			4.782 35/2-		26

S-2p =	4.888 (0.030)				
115XE 27	5.083	37/2+			27
115XE 28			5.724 39/2-		28
115XE 29	6.103	41/2+			29
115XE 30				6.731 (43/2-)	30

115XE 31				7.752 (47/2-)	31
115XE 32				8.836 (51/2-)	32

S-n =	9.642 (0.016)				
115XE 33				9.973 (55/2-)	33

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S-p    =  3.307 ( 0.023)-----  
S-n    =  9.642 ( 0.016)-----  
S-2p   =  4.888 ( 0.030)-----  
S-2n   = 22.596 ( 0.014)-----  
S-alpha= -2.506 ( 0.014)-----  
  
S+p     = -0.648 ( 0.117)  
S+n     = -12.461 ( 0.018)  
S+2p    = -3.379 ( 0.251)  
S+2n    = -21.671 ( 0.016)  
S+alpha  =  1.642 ( 0.201)  
  
gap p   =  2.658 ( 0.119)  
gap n   = -2.819 ( 0.024)  
gap 2p  =  1.509 ( 0.252)  
gap 2n  =  0.925 ( 0.021)  
gap alpha = -0.864 ( 0.201)
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