

^{155}Lu $Z = 71$ $N = 84$ adopted link ENSDF link

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

BE = 1238.053 (0.019) MeV

Qbeta+ = 7.958 (0.025) MeV

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

S-alpha=	-5.802	(0.027)	-----		
S-p	= -0.098	(0.026)	-----		
155LU 1			0.000	11/2-	1 68 MS 2
155LU 2	0.020	1/2+			2 138 MS 9
155LU 3				0.807 (15/2-)	3
155LU 4				1.492 (19/2-)	4
155LU 5				1.780 (25/2-)	5 2.69 MS 3
155LU 6				1.820 (23/2-)	6
155LU 7				2.299 (27/2-)	7
155LU 8				2.958 (29/2+)	8
155LU 9				3.065 (31/2+)	9
S-2p	= 3.150	(0.023)	-----		
155LU 10				3.419	10

155LU 11				3.446	11
155LU 12				3.774	12
155LU 13				3.862 (35/2+)	13
155LU 14				4.074 (37/2-)	14
155LU 15				4.634	15
155LU 16				4.938	16
155LU 17				5.032	17
155LU 18				5.128	18
155LU 19				5.286	19
155LU 20				5.373	20

155LU 21				5.483	21
155LU 22				5.667	22
155LU 23				6.033	23
155LU 24				6.060	24
155LU 25				6.265	25
155LU 26				6.437	26
155LU 27				7.096	27

S-p	= -0.098	(0.026)	-----		
S-n	= 10.981	(0.155)	-----		
S-2p	= 3.150	(0.023)	-----		
S-2n	= 20.312	(0.151)	-----		
S-alpha=	-5.802	(0.027)	-----		

S+p = -2.563 (0.151)
S+n = -9.226 (0.057)
S+2p = -1.629 (0.151)
S+2n = -20.037 (0.023)
S+alpha = 5.681 (0.028)

gap p = -2.661 (0.153)
gap n = 1.755 (0.165)
gap 2p = 1.521 (0.153)
gap 2n = 0.275 (0.153)
gap alpha = -0.121 (0.039)