

$^{151}\text{Lu}$        $Z = 71$        $N = 80$       adopted link      ENSDF link

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

BE = 1193.504 (-0.302) MeV

Qbeta+ = 11.261 ( 0.426) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-3.268	(-0.302)	-----		
S-p	= -1.246	(-0.426)	-----		
151LU	1		0.000	11/2-	1    80.6 MS 20
151LU	2   0.078	3/2+			2    16 US    1
151LU	3			0.612    (15/2-)	3
S-2p	= 0.908	(-0.337)	-----		
151LU	4			1.475    (19/2-)	4
151LU	5			2.427    (23/2-)	5
151LU	6			2.455    (25/2,27/2-)	6
151LU	7			2.857    (27/2-)	7
151LU	8			3.070    (27/2-)	8
151LU	9			3.393    (31/2-)	9
151LU	10			3.696    (31/2-)	10
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151LU	11			3.998    (35/2-)	11

S-p = -1.246 (-0.426)-----  
 S-n = 13.604 (-0.426)-----  
 S-2p = 0.908 (-0.337)-----  
 S-2n = 0.000 (-0.000)-----  
 S-alpha= -3.268 (-0.302)-----

S+p = 0.000 (-0.000)  
 S+n = -11.248 (-0.338)  
 S+2p = 0.000 (-0.000)  
 S+2n = -24.236 (-0.337)  
 S+alpha = 3.810 (-0.433)

gap p = 0.000 ( 0.000)  
 gap n = 2.356 ( 0.544)  
 gap 2p = 0.000 ( 0.000)  
 gap 2n = 0.000 ( 0.000)  
 gap alpha = 0.542 ( 0.528)