

$^{155}\text{Nd}$        $Z = 60$        $N = 95$       adopted link      ENSDF link

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

BE = 1266.397 ( 0.009) MeV

Qbeta- = 4.656 ( 0.010) MeV

	Energy T	J+	J-	J-other	T1/2
155ND	1			0.000 (3/2-)	1 8.9 S 2
155ND	2			0.060 (5/2-)	2
155ND	3			0.136 (7/2-)	3
155ND	4			0.231 (9/2-)	4
155ND	5			0.340 (11/2-)	5
155ND	6			0.613 (15/2-)	6
155ND	7			0.954 (19/2-)	7
155ND	8			1.362 (23/2-)	8
155ND	9			1.832 (27/2-)	9

S-p = 11.713 ( 0.100)-----  
 S-n = 4.776 ( 0.009)-----  
 S-2p = 21.895 ( 0.153)-----  
 S-2n = 11.096 ( 0.010)-----  
 S-alpha= 3.484 ( 0.020)-----

S+p = -9.172 ( 0.009)  
 S+n = -5.990 ( 0.009)  
 S+2p = -18.972 ( 0.010)  
 S+2n = -10.353 ( 0.009)  
 S+alpha = -2.349 ( 0.011)

gap p = 2.541 ( 0.101)  
 gap n = -1.214 ( 0.013)  
 gap 2p = 2.923 ( 0.154)  
 gap 2n = 0.743 ( 0.013)  
 gap alpha = 1.135 ( 0.023)