

$^{13}\text{N}$        $Z = 7$        $N = 6$       adopted link      ENSDF link

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

BE = 94.105 ( 0.000) MeV

Qbeta+ = 2.220 ( 0.000) MeV

	Energy T	J+	J-	J-other	T1/2
13N 1			0.000 1/2 1/2-		1 9.965 M 4
S-p =	1.943 ( 0.000)				
13N 2	2.365	1/2+			2 31.7 KEV 8
13N 3			3.502 3/2-		3 62 KEV 4
13N 4	3.547	5/2+			4 47 KEV 7
13N 5	6.364	5/2+			5 11 KEV
13N 6	6.886	3/2+			6 115 KEV 5
13N 7	7.155	7/2+			7 9.0 KEV 5
13N 8			7.376 5/2-		8 75 KEV 5
13N 9	7.900	3/2+			9 1500 KEV AP
13N 10			8.918 1/2-		10 230 KEV
13N 11	9.000	9/2+			11 280 KEV 30
13N 12			9.476 3/2-		12 30 KEV

S-p = 1.943 ( 0.000)-----  
 S-n = 20.064 ( 0.001)-----  
 S-2p = 17.900 ( 0.000)-----  
 S-2n = 35.163 ( 0.005)-----  
 S-alpha= 9.496 ( 0.001)-----

S+p = -4.627 ( 0.000)  
 S+n = -10.553 ( 0.000)  
 S+2p = -3.357 ( 0.014)  
 S+2n = -21.387 ( 0.000)  
 S+alpha = -5.819 ( 0.000)

gap p = -2.683 ( 0.000)  
 gap n = 9.511 ( 0.001)  
 gap 2p = 14.543 ( 0.014)  
 gap 2n = 13.776 ( 0.005)  
 gap alpha = 3.677 ( 0.001)