

<sup>99</sup>Nb      Z = 41      N = 58      adopted link      ENSDF link

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

BE = 849.320 ( 0.012) MeV

Qbeta- = 3.635 ( 0.012) MeV

	Energy T	J+	J-	J-other	T1/2
99NB 1	0.000	9/2+			1 15.0 S 2
99NB 2			0.365 1/2-		2 2.5 M 2
99NB 3				0.387 (7/2+)	3 12 PS 5
99NB 4				0.469 (5/2+)	4 0.175 NS 5
99NB 5			0.544 3/2-		5 51 PS 13
99NB 6			0.631 5/2-		6
99NB 7	0.765	3/2+			7
99NB 8	0.817	5/2+			8
99NB 9				0.931 (3/2+)	9 10 PS LT
99NB 10				0.959 (1/2+,3/2+)	10 10 PS LT
99NB 11				0.970 1/2-,3/2-	11
99NB 12				1.015 (3/2+)	12 12 PS LT
99NB 13				1.044	13
99NB 14			1.264 3/2-		14
99NB 15				1.305	15
99NB 16				1.408 5/2-,7/2-	16
99NB 17				1.543	17
99NB 18				1.579 5/2-,7/2-	18
99NB 19				1.703	19
99NB 20				1.759 (3/2)-	20
99NB 21				1.831	21
99NB 22				1.921	22
99NB 23				1.974	23 5 NS LT
99NB 24				2.336	24

S-p = 8.343 ( 0.015)-----  
 S-n = 6.882 ( 0.013)-----  
 S-2p = 20.798 ( 0.014)-----  
 S-2n = 12.875 ( 0.013)-----  
 S-alpha= 3.552 ( 0.014)-----

S+p = -11.147 ( 0.012)  
 S+n = -5.527 ( 0.014)  
 S+2p = -18.587 ( 0.027)  
 S+2n = -12.699 ( 0.013)  
 S+alpha = -4.693 ( 0.016)

gap p = -2.804 ( 0.019)  
gap n = 1.355 ( 0.019)  
gap 2p = 2.211 ( 0.030)  
gap 2n = 0.176 ( 0.018)  
gap alpha = -1.141 ( 0.021)