

^{103}Nb $Z = 41$ $N = 62$ adopted link ENSDF link

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

BE = 874.298 (0.004) MeV

Qbeta- = 5.926 (0.010) MeV

	Energy T	J+	J-	J-other	T1/2
103NB 1				0.000 (5/2+)	1 1.5 S 2
103NB 2				0.126 (7/2+)	2 73 PS 6
103NB 3				0.164 (5/2-)	3 5.1 NS 1
103NB 4				0.248 (3/2-)	4 1.25 NS 4
103NB 5				0.285 (9/2+)	5
103NB 6				0.315 (7/2-)	6
103NB 7				0.368 (5/2-)	7 41 PS 6
103NB 8				0.502 (9/2-)	8 38 PS 9
103NB 9				0.504 (11/2+)	9
103NB 10				0.534 (7/2-)	10 18 PS 6
103NB 11				0.580	11
103NB 12				0.620	12
103NB 13				0.721 (13/2+)	13
103NB 14				0.730 (11/2-)	14
103NB 15				0.733 (9/2-)	15 25 PS 11
103NB 16				0.763	16 43 PS 27
103NB 17				0.768	17
103NB 18				0.856	18
103NB 19				0.908	19
103NB 20				0.977	20
103NB 21				0.981 (11/2-)	21
103NB 22				0.988 (13/2-)	22
103NB 23				1.023 (15/2+)	23
103NB 24				1.081	24
103NB 25				1.208 (13/2-)	25
103NB 26				1.216	26
103NB 27				1.286 (17/2+)	27
103NB 28				1.288 (15/2-)	28
103NB 29				1.472	29
103NB 30				1.526	30
103NB 31				1.606 (17/2-)	31
103NB 32				1.643	32
103NB 33				1.660 (19/2+)	33
103NB 34				1.672	34
103NB 35				1.701	35
103NB 36				1.760	36
103NB 37				1.961 (21/2+)	37

103NB	38				1.969	(19/2-)	38
103NB	39				2.336	(21/2-)	39
103NB	40				2.374		40

103NB	41				2.388		41
103NB	42				2.389	(23/2+)	42
103NB	43				2.722	(25/2+)	43
103NB	44				2.750	(23/2-)	44
103NB	45				3.154	(25/2-)	45
103NB	46				3.194	(27/2+)	46
103NB	47				3.539	(29/2+)	47
103NB	48				3.607	(27/2-)	48

S-p = 10.736 (0.010)-----
 S-n = 6.802 (0.005)-----
 S-2p = 24.552 (0.008)-----
 S-2n = 12.280 (0.005)-----
 S-alpha= 6.810 (0.008)-----

S+p = -12.604 (0.010)
 S+n = -4.854 (0.004)
 S+2p = -21.836 (0.035)
 S+2n = -11.029 (0.006)
 S+alpha = -6.146 (0.010)

gap p = -1.868 (0.014)
 gap n = 1.948 (0.006)
 gap 2p = 2.716 (0.036)
 gap 2n = 1.250 (0.008)
 gap alpha = 0.664 (0.012)