

$^{101}\text{Nb}$        $Z = 41$        $N = 60$       adopted link      ENSDF link

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

BE = 862.018 ( 0.004) MeV

Qbeta- = 4.628 ( 0.004) MeV

	Energy T	J+	J-	J-other	T1/2
101NB 1				0.000 (5/2+)	1 7.1 S 3
101NB 2				0.119 (7/2+)	2 84 PS 4
101NB 3				0.205 (3/2-)	3 1.83 NS 3
101NB 4				0.208 (5/2-)	4 0.80 NS 5
101NB 5				0.255 (9/2+)	5 35 PS 5
101NB 6				0.346 (5/2-)	6 24 PS 5
101NB 7				0.374 (7/2-)	7 19 PS 11
101NB 8				0.532 (7/2-)	8 13 PS 10
101NB 9				0.532 (11/2+)	9
101NB 10				0.573 (9/2-)	10
101NB 11				0.593	11
101NB 12				0.598	12
101NB 13				0.673	13
101NB 14				0.703	14
101NB 15				0.722	15 25 PS 5
101NB 16				0.729 (13/2+)	16
101NB 17				0.747 (9/2-)	17
101NB 18				0.778	18
101NB 19				0.783	19
101NB 20				0.809 (11/2-)	20
101NB 21				0.879	21
101NB 22				0.899	22
101NB 23				0.912	23
101NB 24				0.922	24
101NB 25				0.953	25
101NB 26				1.007 (11/2-)	26
101NB 27				1.061	27
101NB 28				1.073 (13/2-)	28
101NB 29				1.093 (15/2+)	29
101NB 30				1.109	30
101NB 31				1.119	31
101NB 32				1.126	32
101NB 33				1.180	33
101NB 34				1.281 (13/2-)	34
101NB 35				1.294	35
101NB 36				1.340 (17/2+)	36
101NB 37				1.374 (15/2-)	37

101NB 38				1.599	(15/2-)	38
101NB 39				1.620		39
101NB 40				1.693	(17/2-)	40
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101NB 41				1.773	(19/2+)	41
101NB 42				1.844		42
101NB 43				1.878		43
101NB 44				1.925	(17/2-)	44
101NB 45				1.925		45
101NB 46				1.930		46
101NB 47				1.958		47
101NB 48				2.010		48
101NB 49				2.031		49
101NB 50				2.046	(19/2-)	50
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101NB 51				2.073	(21/2+)	51
101NB 52				2.096		52
101NB 53				2.119		53
101NB 54				2.289	(19/2-)	54
101NB 55				2.415	(21/2-)	55
101NB 56				2.547	(23/2+)	56
101NB 57				2.624	(21/2-)	57
101NB 58				2.810	(23/2-)	58
101NB 59				2.906	(25/2+)	59
101NB 60				3.207	(25/2-)	60
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101NB 61				3.397	(27/2+)	61

S-p = 9.808 ( 0.009)-----  
S-n = 7.172 ( 0.009)-----  
S-2p = 22.826 ( 0.008)-----  
S-2n = 12.699 ( 0.013)-----  
S-alpha= 5.201 ( 0.008)-----

S+p = -11.958 ( 0.009)  
S+n = -5.478 ( 0.005)  
S+2p = -20.290 ( 0.010)  
S+2n = -12.280 ( 0.005)  
S+alpha = -5.820 ( 0.035)

gap p = -2.151 ( 0.013)  
gap n = 1.694 ( 0.010)  
gap 2p = 2.535 ( 0.013)  
gap 2n = 0.419 ( 0.014)  
gap alpha = -0.619 ( 0.036)