

^{84}Nb $Z = 41$ $N = 43$ adopted link ENSDF link

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

BE = 707.108 (0.000) MeV

Qbeta+ = 10.228 (0.006) MeV

	Energy T	J+	J-	J-other	T1/2
84NB 1				0.000 (1+,2+,3+)	1 9.8 S 9
84NB 2				0.048 (3-,4-)	2
84NB 3				0.065 (2+,3+)	3
84NB 4				0.162 (4+,5+)	4
84NB 5				0.205 (3-)	5
84NB 6				0.218	6
84NB 7				0.306	7
84NB 8				0.338 (5-)	8 103 NS 19
84NB 9				0.358	9
84NB 10				0.502	10
84NB 11				0.566 (6-)	11
84NB 12				0.570 (7+)	12
84NB 13				0.574	13
84NB 14				0.674	14
84NB 15				0.771	15
84NB 16				0.809	16
84NB 17				0.865 (8+)	17
84NB 18				0.924 (7-)	18
84NB 19				1.202 (9+)	19
84NB 20				1.206	20
84NB 21				1.267 (8-)	21
84NB 22				1.281	22
84NB 23				1.294	23
84NB 24				1.535	24
84NB 25				1.590	25
84NB 26				1.707 (10+)	26
84NB 27				1.765 (9-)	27
84NB 28				1.991 (11+)	28
84NB 29				2.049	29
84NB 30				2.100	30
84NB 31				2.121 (10-)	31
S-alpha=	2.471 (0.006)				
84NB 32				2.528	32
S-p =	2.571 (0.006)				
84NB 33				2.629	33
84NB 34				2.774 (12+)	34
84NB 35				2.783 (11-)	35

84NB 36				2.987	(13+)	36
84NB 37				3.056		37
84NB 38				3.114	(12-)	38
84NB 39				3.123		39
84NB 40				3.852	(13-)	40

84NB 41				3.964		41
84NB 42				4.042	(14+)	42
84NB 43				4.085	(14-)	43
84NB 44				4.086		44
84NB 45				4.151	(15+)	45
84NB 46				4.749	(15-)	46
84NB 47				5.073	(16-)	47
84NB 48				5.377	(16+)	48
84NB 49				5.470	(17+)	49
84NB 50				5.822	(17-)	50

84NB 51				5.880		51
84NB 52				6.240	(18-)	52
84NB 53				6.760	(18+)	53
84NB 54				6.903	(19+)	54
84NB 55				6.993	(19-)	55
84NB 56				7.218		56
84NB 57				7.580	(20-)	57
S-2p	=	7.708	(0.006)	-----		
84NB 58				8.395	(21+)	58
84NB 59				8.596		59
84NB 60				9.093	(22-)	60

84NB 61				0.000	(1+,2+,3+)	61

S-p	=	2.571	(0.006)	-----		
S-n	=	11.652	(0.162)	-----		
S-2p	=	7.708	(0.006)	-----		
S-2n	=	25.524	(0.328)	-----		
S-alpha	=	2.471	(0.006)	-----		

S+p	=	-3.605	(0.016)			
S+n	=	-13.157	(0.004)			
S+2p	=	-4.972	(0.258)			
S+2n	=	-24.083	(0.006)			
S+alpha	=	-2.901	(0.004)			

gap p	=	-1.034	(0.017)			
gap n	=	-1.505	(0.162)			
gap 2p	=	2.736	(0.258)			
gap 2n	=	1.442	(0.328)			
gap alpha	=	-0.431	(0.007)			