

^{21}Na $Z = 11$ $N = 10$ adopted link ENSDF link

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

BE = 163.077 (0.000) MeV

Qbeta+ = 3.547 (0.000) MeV

	Energy T	J+	J-	J-other	T1/2
21NA 1	0.000	3/2+			1 22.49 S 4
21NA 2	0.332	5/2+			2 7.08 PS 8
21NA 3	1.716	7/2+			3 37 FS 8
21NA 4	2.424	1/2+			4 1.7 FS 4
S-p =	2.432 (0.000)				
21NA 5			2.798	1/2-	5 13 FS 4
21NA 6	2.829	9/2+			6
21NA 7	3.544	5/2+			7 15.5 EV 14
21NA 8			3.679	3/2-	8 193 EV 13
21NA 9			3.862	5/2-	9 2.6 EV 3
21NA 10			4.170	3/2-	10 180 KEV 15
21NA 11	4.294	5/2+			11 3.93 KEV 10
21NA 12				4.419 (11/2+)	12
21NA 13	4.468	3/2+			13 21 KEV 3
21NA 14			4.984	1/2-	14 200 KEV
21NA 15				5.020 (3/2,5/2,7/2)+	15
21NA 16				5.380 (3/2,5/2,7/2)+	16
21NA 17	5.457	1/2+			17 110 KEV
21NA 18				5.770 (3/2,5/2,7/2)+	18 20 KEV AP
21NA 19			5.815	7/2-	19 0.4 KEV AP
21NA 20			5.828	3/2-	20 25 KEV
21NA 21				5.884 (3/2,5/2,7/2)+	21
21NA 22				5.979 (3/2,5/2,7/2)+	22
21NA 23				6.070 (5/2,7/2)-	23 5 KEV
21NA 24				6.165 (3/2,5/2,7/2)+	24
21NA 25				6.341 (3/2,5/2,7/2)+	25
21NA 26	6.468	3/2+			26 145 KEV 15
S-alpha=	6.561 (0.000)				
21NA 27			6.879	3/2-	27 22 KEV 7
21NA 28			6.992	7/2-	28 35 KEV 9
21NA 29	7.253	1/2+			29 220 KEV 20
21NA 30			7.571	3/2-	30 116 KEV 12
21NA 31			7.575	1/2-	31 128 KEV 20
21NA 32	7.609	3/2+			32 112 KEV 20
21NA 33			7.930	5/2-	33 28 KEV 11
21NA 34			7.946	7/2-	34 25 KEV 9
21NA 35			7.960	1/2-	35 58 KEV 7

21NA 36				8.097	3/2-				36	25 KEV	9
21NA 37		8.135	5/2+						37	32 KEV	9
21NA 38							8.303	(3/2,5/2,7/2)+	38		
21NA 39		8.388	1/2+						39	21 KEV	8
21NA 40		8.397	3/2+						40	30 KEV	13

21NA 41		8.464	3/2+						41	25 KEV	9
21NA 42		8.554	1/2+						42	100 KEV	8
21NA 43		8.562	3/2+						43	20 KEV	LT
21NA 44		8.595	5/2+						44	138 KEV	15
21NA 45				8.624	1/2-				45	92 KEV	10
21NA 46		8.715	3/2+						46	360 KEV	25
21NA 47				8.738	3/2-				47	110 KEV	18
21NA 48		8.742	1/2+						48	98 KEV	25
21NA 49		8.827	5/2+						49	138 KEV	16
21NA 50		8.960	1/2+						50	25 KEV	6

21NA 51		8.976	3/2 5/2+						51	650 EV	50
21NA 52		8.981	5/2+						52	23 KEV	16
21NA 53				9.051	7/2-				53	36 KEV	11
21NA 54		9.155	3/2+						54	34 KEV	13
21NA 55		9.217	3/2 1/2+						55	2.8 KEV	35
21NA 56							9.280	(3/2,5/2,7/2)	56		
21NA 57		9.348	1/2+						57	23 KEV	9
21NA 58				9.563	7/2-				58	63 KEV	15
21NA 59		9.725	3/2+						59	256 KEV	20
21NA 60				9.775	1/2-				60	56 KEV	11

21NA 61				9.779	7/2-				61	41 KEV	9
21NA 62				9.808	3/2-				62	80 KEV	16

S-p = 2.432 (0.000)-----
S-n = 17.107 (0.001)-----
S-2p = 15.275 (0.000)-----
S-2n = 31.257 (0.011)-----
S-alpha= 6.561 (0.000)-----

S+p = -5.504 (0.000)
S+n = -11.068 (0.000)
S+2p = -5.645 (0.000)
S+2n = -23.488 (0.000)
S+alpha = -9.156 (0.000)

gap p = -3.072 (0.000)
gap n = 6.039 (0.001)
gap 2p = 9.630 (0.000)
gap 2n = 7.769 (0.011)
gap alpha = -2.595 (0.000)