

^{20}Na $Z = 11$ $N = 9$ adopted link ENSDF link

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

BE = 145.970 (0.001) MeV

Qbeta+ = 13.892 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2
20NA 1	0.000	1 2+			1 447.9 MS 23
20NA 2	0.596	3+			2
20NA 3	0.802	4+			3
20NA 4	0.984	1+			4
20NA 5			1.346 2-		5
20NA 6			1.837 2-		6
20NA 7			1.992 3-		7
20NA 8	2.057	3+			8
S-p =	2.191 (0.001)				
20NA 9				2.645 (1+)	9
20NA 10	2.849	3+			10
20NA 11				2.983 GE 3	11
20NA 12	3.001	1+			12 19.8 KEV 2
20NA 13				3.067 (0+)	13
20NA 14	3.086	0+			14 35.9 KEV 2
20NA 15				3.315	15
20NA 16				3.642 (2,3,4)-	16
20NA 17	3.871	1+			17
20NA 18	4.123	1+			18
20NA 19				4.150 (4,2-)	19
20NA 20				4.560 (2)	20
20NA 21	4.800	1+			21
20NA 22				5.170	22
20NA 23	5.600	1+			23
S-alpha=	6.250 (0.005)				
20NA 24	6.266	1+			24
20NA 25	6.534	0+			25

S-p = 2.191 (0.001)

S-n = 14.150 (0.011)

S-2p = 8.601 (0.001)

S-2n = 34.330 (0.094)

S-alpha= 6.250 (0.005)

S+p = -3.236 (0.001)

S+n = -17.107 (0.001)

S+2p = -3.234 (0.396)

S+2n = -28.175 (0.001)
S+alpha = -9.324 (0.001)

gap p = -1.045 (0.002)
gap n = -2.956 (0.011)
gap 2p = 5.367 (0.396)
gap 2n = 6.156 (0.094)
gap alpha = -3.075 (0.006)