

^{20}Ne $Z = 10$ $N = 10$ adopted link ENSDF link

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

BE = 160.645 (0.000) MeV

	Energy T	J+	J-	J-other	T1/2
20NE 1	0.000 0	0+			1 STABLE
20NE 2	1.634	2+			2 0.73 PS 4
20NE 3	4.248 0	4+			3 64 FS 6
S-alpha= 4.730 (0.000)-----					
20NE 4			4.967 0	2-	4 3.3 PS 4
20NE 5			5.621	3-	5 139 FS 35
20NE 6			5.788	1-	6 0.028 KEV 3
20NE 7				6.706 0	7
20NE 8	6.725	0+			8 19.0 KEV 9
20NE 9			7.004 0	4-	9 305 FS 62
20NE 10			7.156	3-	10 8.2 KEV 3

20NE 11	7.191	0+			11 3.4 KEV 2
20NE 12	7.422	2+			12 15.1 KEV 7
20NE 13	7.833	2+			13 2 KEV
20NE 14			8.453	5-	14 0.013 KEV 4
20NE 15	8.700 0	0+			15 800 KEV GT
20NE 16			8.708	1-	16 2.1 KEV 8
20NE 17	8.778	6+			17 0.11 KEV 2
20NE 18				8.820 0 (5-)	18 1 KEV LT
20NE 19			8.854 0	1-	19 19 KEV
20NE 20	9.000 0	2+			20 800 KEV AP

20NE 21	9.031	4+			21 3 KEV
20NE 22			9.116	3-	22 3.2 KEV
20NE 23	9.196 0	2+			23
20NE 24				9.318 0 (2-)	24
20NE 25	9.487	2+			25 29 KEV 15
20NE 26	9.873 0	3+			26
20NE 27				9.935 0 (1+)	27 24.3 FS LT
20NE 28	9.990	4+			28 155 KEV 30

S-p = 12.843 (0.000)-----

S-n = 16.865 (0.000)-----

S-2p = 20.837 (0.000)-----

S-2n = 28.502 (0.000)-----

S-alpha= 4.730 (0.000)-----

S+p = -2.432 (0.000)

S+n = -6.761 (0.000)

S+2p = -7.936 (0.000)
S+2n = -17.125 (0.000)
S+alpha = -9.317 (0.000)

gap p = 10.412 (0.000)
gap n = 10.104 (0.000)
gap 2p = 12.901 (0.000)
gap 2n = 11.377 (0.000)
gap alpha = -4.587 (0.000)