

^{18}Ne $Z = 10$ $N = 8$ adopted link ENSDF link

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

BE = 132.143 (0.000) MeV

Qbeta+ = 4.445 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2

18NE 1	0.000	1 X 0+			1 1672 MS 8
18NE 2	1.887	2+			2 0.46 PS 4
18NE 3	3.376	4+			3 3.0 PS 4
18NE 4	3.576	0+			4 3 PS 1
18NE 5	3.616	2+			5 44 FS +21-14
S-p	= 3.923	(0.000)	-----		
18NE 6			4.519	1-	6 20 KEV LE
S-2p	= 4.523	(0.000)	-----		
18NE 7	4.561	3+			7
18NE 8	4.590	0+			8 20 KEV LE
18NE 9				5.090 (2+,3-)	9 40 KEV 20
S-alpha=	5.115	(0.000)	-----		
18NE 10				5.146 (2+,3-)	10 25 KEV 15

18NE 11				5.453	11 50 KEV LE
18NE 12				6.150 (1-)	12
18NE 13				6.297 (4+)	13 60 KEV LE
18NE 14				6.353	14 60 KEV LE
18NE 15				7.059 (1-,2+)	15 180 KEV 50
18NE 16				7.350	16
18NE 17				7.713	17 50 KEV LE
18NE 18				7.910 (1-,2+)	18 50 KEV LE
18NE 19				7.950	19 60 KEV LE
18NE 20				8.086	20 50 KEV LE

18NE 21				8.500	21 120 KEV LE
18NE 22				9.201	22 50 KEV LE

S-p = 3.923 (0.000)-----

S-n = 19.254 (0.001)-----

S-2p = 4.523 (0.000)-----

S-2n = 34.812 (0.020)-----

S-alpha= 5.115 (0.000)-----

S+p = 0.323 (0.011)

S+n = -11.637 (0.000)

S+2p = -2.418 (0.002)

S+2n = -28.502 (0.000)

S+alpha = -8.143 (0.000)

gap p = 4.246 (0.011)
gap n = 7.617 (0.001)
gap 2p = 2.105 (0.002)
gap 2n = 6.310 (0.020)
gap alpha = -3.027 (0.001)