

^{24}Ne $Z = 10$ $N = 14$ adopted link ENSDF link

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

BE = 191.840 (0.001) MeV

Qbeta- = 2.466 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2
24NE 1	0.000	0+			1 3.38 M 2
24NE 2	1.982	2+			2 660 FS 150
24NE 3	3.868	2+			3 70 FS LT
24NE 4	3.972	4+			4 20 NS LT
24NE 5	4.766	0+			5 1.6 PS 9
24NE 6				4.880	6
24NE 7	5.575	2+			7 20 NS LT
24NE 8				5.636	8
24NE 9				5.653	9
24NE 10				6.028	10
24NE 11				6.070	11
24NE 12				6.361	12
24NE 13				6.745	13
24NE 14				6.858	14
24NE 15				6.982	15
24NE 16				7.248	16
24NE 17				7.295	17
24NE 18				7.388	18
24NE 19				7.550	19
24NE 20				7.638	20
24NE 21				7.739	21
24NE 22				7.923	22
24NE 23				8.039	23
24NE 24				8.150	24
24NE 25				8.393	25
24NE 26				8.530	26
24NE 27				8.860	27
S-n =	8.869 (0.001)				
24NE 28				9.040	28
24NE 29				9.180	29
24NE 30				9.380	30
24NE 31				9.630	31
24NE 32				9.780	32
24NE 33				9.960	33

S-p = 16.526 (0.033)

S-n = 8.869 (0.001)-----
S-2p = 29.813 (0.057)-----
S-2n = 14.070 (0.001)-----
S-alpha= 12.173 (0.001)-----

S+p = -10.695 (0.001)
S+n = -4.155 (0.029)
S+2p = -24.841 (0.001)
S+2n = -9.710 (0.018)
S+alpha = -11.493 (0.001)

gap p = 5.831 (0.033)
gap n = 4.714 (0.029)
gap 2p = 4.972 (0.057)
gap 2n = 4.360 (0.018)
gap alpha = 0.680 (0.001)