

^{27}Ne $Z = 10$ $N = 17$ adopted link ENSDF link

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

BE = 203.051 (0.091) MeV

Qbeta- = 12.569 (0.091) MeV

	Energy T	J+	J-	J-other	T1/2	
27NE 1				0.000 (3/2+)	1 31.5 MS	13
27NE 2				0.765 (3/2-)	2	(0
27NE 3				0.885 (1/2+)	3 10 PS	LT (0
27NE 4				0.000 (3/2+)	4	

S-p = 18.913 (0.140)-----
 S-n = 1.502 (0.093)-----
 S-2p = 34.856 (0.188)-----
 S-2n = 7.056 (0.095)-----
 S-alpha= 9.995 (0.152)-----

S+p = -15.328 (0.091)
 S+n = -3.822 (0.155)
 S+2p = -32.241 (0.091)
 S+2n = -4.794 (0.175)
 S+alpha = -12.598 (0.091)

gap p = 3.585 (0.167)
 gap n = -2.321 (0.181)
 gap 2p = 2.615 (0.209)
 gap 2n = 2.262 (0.199)
 gap alpha = -2.603 (0.177)