

$^{29}\text{Ne}$        $Z = 10$        $N = 19$       adopted link      ENSDF link

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

BE = 207.845 ( 0.150) MeV

Qbeta- = 15.720 ( 0.150) MeV

	Energy T	J+	J-	J-other	T1/2
29NE 1				0.000 (3/2+)	1 15 MS 3
29NE 2				0.232 (1/2+,3/2-)	2
29NE 3				0.622 (1/2+,7/2+)	3
29NE 4				0.931 (5/2-,7/2+)	4

S-p = 22.293 ( 0.192)-----  
 S-n = 0.971 ( 0.196)-----  
 S-2p = 40.850 ( 0.534)-----  
 S-2n = 4.794 ( 0.175)-----  
 S-alpha= 11.354 ( 0.223)-----

S+p = -17.214 ( 0.150)  
 S+n = -3.191 ( 0.294)  
 S+2p = -36.100 ( 0.150)  
 S+2n = -3.361 ( 0.305)  
 S+alpha = -15.862 ( 0.150)

gap p = 5.079 ( 0.243)  
 gap n = -2.220 ( 0.353)  
 gap 2p = 4.750 ( 0.555)  
 gap 2n = 1.433 ( 0.352)  
 gap alpha = -4.508 ( 0.268)