

$^{28}\text{Ne}$        $Z = 10$        $N = 18$       adopted link      ENSDF link

Based on ensdf\_240402 (Apr 2024), and mass evaluation from 2020

BE = 206.874 ( 0.126) MeV

Qbeta- = 12.288 ( 0.126) MeV

	Energy T	J+	J-	J-other	T1/2
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28NE 1	0.000	0+			1 20 MS 1

S-p = 21.123 ( 0.174) -----  
S-n = 3.822 ( 0.155) -----  
S-2p = 37.939 ( 0.208) -----  
S-2n = 5.324 ( 0.127) -----  
S-alpha= 9.626 ( 0.208) -----

S+p = -15.909 ( 0.126)  
S+n = -0.971 ( 0.196)  
S+2p = -34.759 ( 0.126)  
S+2n = -4.162 ( 0.283)  
S+alpha = -14.554 ( 0.126)

gap p = 5.214 ( 0.215)  
gap n = 2.851 ( 0.250)  
gap 2p = 3.180 ( 0.243)  
gap 2n = 1.162 ( 0.310)  
gap alpha = -4.928 ( 0.243)