

^{27}Na $Z = 11$ $N = 16$ adopted link ENSDF link

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

BE = 214.838 (0.004) MeV

Qbeta- = 9.069 (0.004) MeV

	Energy T	J+	J-	J-other	T1/2
27NA 1	0.000	5/2+			1 301 MS 6
27NA 2				0.063 (3/2+)	2
27NA 3				1.728 (1/2+)	3
27NA 4				1.816 [1/2+]	4
27NA 5				2.192 (7/2+)	5
27NA 6				2.224 (9/2+)	6
27NA 7				2.288	7
27NA 8				2.729 [5/2+]	8
27NA 9				2.799	9
27NA 10				3.019 [3/2+]	10
27NA 11				3.508	11
27NA 12				3.582	12
27NA 13				3.638	13
27NA 14				3.657 [9/2+]	14
27NA 15				3.685	15
27NA 16				3.781	16
27NA 17				3.838 [5/2+]	17
27NA 18				4.235 [7/2+]	18
27NA 19				4.355	19
27NA 20				4.525	20
27NA 21				4.717 [3/2+]	21
27NA 22				4.980	22
27NA 23				5.190 [13/2+]	23
27NA 24				5.409 [11/2+]	24
27NA 25				5.590	25
27NA 26				5.705 [11/2+]	26
27NA 27				5.763	27
27NA 28				5.948 [9/2+]	28
27NA 29				6.159 [9/2+]	29
27NA 30				6.518 [5/2+]	30
S-n	= 6.728 (0.005)				
27NA 31				6.742 [7/2+,9/2,11/2+]	31
27NA 32				9.187 [17/2+]	32
S-p	= 13.288 (0.019)				
S-n	= 6.728 (0.005)				

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S-2p = 31.430 ( 0.097)-----  
S-2n = 12.303 ( 0.004)-----  
S-alpha= 11.228 ( 0.034)-----  
  
S+p = -16.791 ( 0.004)  
S+n = -3.542 ( 0.011)  
S+2p = -27.268 ( 0.004)  
S+2n = -7.945 ( 0.008)  
S+alpha = -11.858 ( 0.004)  
  
gap p = -3.503 ( 0.019)  
gap n = 3.186 ( 0.012)  
gap 2p = 4.162 ( 0.097)  
gap 2n = 4.358 ( 0.009)  
gap alpha = -0.630 ( 0.034)
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