

$^{17}\text{N}$        $Z = 7$        $N = 10$       adopted link      ENSDF link

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

BE = 123.866 ( 0.015) MeV

Qbeta- = 8.679 ( 0.015) MeV

	Energy T	J+	J-	J-other	T1/2
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17N 1			0.000 3/2 1/2-		1 4.173 S 4
17N 2			1.374 3/2-		2 64 FS 24
17N 3	1.850	1/2+			3 28 PS +14-6
17N 4			1.907 5/2-		4 7.6 PS 14
17N 5	2.526	5/2+			5 22.9 PS 21
17N 6			3.129 7/2-		6 191 PS 56
17N 7			3.204 3/2-		7 21 FS LT
17N 8				3.629 (7/2,9/2)-	8 8.3 PS 14
17N 9			3.663 1/2-		9 243 FS LT
17N 10				3.906 (3/2,5/2)-	10 36 FS 15
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17N 11				4.006 3/2(+)	11 11 FS LT
17N 12	4.209	5/2+			12 49 FS LT
17N 13				4.415 (3/2,5/2)-	13 42 FS LT
17N 14				5.170 (9/2+)	14 42 FS LT
17N 15	5.195	3/2+			15 66 FS LT
17N 16			5.515 3/2-		16 70 FS LT
17N 17				5.772 1/2,3/2+	17 83 FS LT
S-n = 5.885 ( 0.015)	-----				
17N 18				6.080	18
17N 19				6.233	19
17N 20				6.449	20
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17N 21				6.615	21
17N 22				6.938	22
17N 23			6.981 3/2-		23
17N 24				7.013	24
17N 25				7.170	25
17N 26				7.370	26
17N 27				7.630	27
17N 28				7.730	28
17N 29				8.000	29
17N 30				8.140	30
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S-2n = 8.374 ( 0.015)	-----				
17N 31				8.550	31
17N 32				8.930	32
17N 33				9.260	33
17N 34				9.740	34
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S-p    = 13.113 ( 0.015)-----  
S-n    =  5.885 ( 0.015)-----  
S-2p   = 35.665 ( 0.026)-----  
S-2n   =  8.374 ( 0.015)-----  
S-alpha= 11.117 ( 0.015)-----  
  
S+p    = -15.942 ( 0.015)  
S+n    =  -2.828 ( 0.024)  
S+2p   = -23.935 ( 0.015)  
S+2n   =  -8.156 ( 0.022)  
S+alpha = -10.343 ( 0.015)  
  
gap p   = -2.829 ( 0.022)  
gap n   =  3.057 ( 0.028)  
gap 2p  = 11.730 ( 0.030)  
gap 2n  =  0.218 ( 0.027)  
gap alpha =  0.774 ( 0.021)
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