

$^{12}\text{B}$        $Z = 5$        $N = 7$       adopted link      ENSDF link

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

BE = 79.575 ( 0.001) MeV

Qbeta- = 13.369 ( 0.001) MeV

	Energy T	J+	J-	J-other	T1/2
12B 1	0.000	1+			1 20.20 MS 2
12B 2	0.953	2+			2 180 FS 28
12B 3			1.674 2-		3 35 FS LT
12B 4			2.621 1-		4 35 FS LT
12B 5	2.723	0+			5
S-n =	3.370 ( 0.001)				
12B 6			3.389 3-		6 3.1 EV 6
12B 7	3.760	2+			7 40 KEV 4
12B 8			4.000 0-		8
12B 9			4.302 1-		9 9 KEV 4
12B 10			4.460 2-		10 260 KEV
12B 11			4.523 4-		11 110 KEV 20
12B 12	4.990	1+			12 50 KEV 15
12B 13	5.610	3+			13 115 KEV 20
12B 14			5.726 3-		14 58 KEV 12
12B 15			6.000 1-		15
12B 16				6.200	16
12B 17	6.600	1+			17 140 KEV
12B 18			7.060 1-		18
12B 19				7.300	19
12B 20				7.545	20 14 KEV LT
12B 21			7.670 2-		21 45 KEV
12B 22			7.700 1-		22 1.90 MEV 10
12B 23				7.800	23 4.0 MEV 5
12B 24			7.836 1-		24 60 KEV 40
12B 25			7.937 1-		25 40 KEV LT
12B 26				8.130 (3-)	26 260 KEV 80
12B 27				8.165	27 45 KEV 15
12B 28			8.240 3-		28 65 KEV
12B 29				8.390	29 40 KEV 15
12B 30				8.580 (3-)	30 75 KEV
12B 31				8.707 (3-)	31
12B 32			9.035 1-		32 95 KEV 20
12B 33				9.175 (2-)	33
12B 34			9.300 0-		34 330 KEV AP
12B 35				9.397	35 35 KEV 10
12B 36				9.440	36 60 KEV 20

12B	37				9.582	3-				37	34 KEV	4
12B	38							9.758		38		
12B	39							9.830		39		
12B	40							10.000		40	100 KEV	

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S-p = 14.097 ( 0.001)-----

S-n = 3.370 ( 0.001)-----

S-2p = 34.261 ( 0.013)-----

S-2n = 14.824 ( 0.001)-----

S-alpha= 10.001 ( 0.001)-----

S+p = -17.533 ( 0.001)

S+n = -4.879 ( 0.002)

S+2p = -25.084 ( 0.001)

S+2n = -5.848 ( 0.021)

S+alpha = -10.110 ( 0.003)

gap p = -3.437 ( 0.002)

gap n = -1.509 ( 0.002)

gap 2p = 9.177 ( 0.013)

gap 2n = 8.975 ( 0.021)

gap alpha = -0.109 ( 0.003)