

$^{13}\text{B}$        $Z = 5$        $N = 8$       adopted link      ENSDF link

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

BE      =      84.453 ( 0.001) MeV

Qbeta- =      13.437 ( 0.001) MeV

	Energy T	J+	J-	J-other	T1/2
13B 1			0.000	3/2-	1 17.33 MS 17
13B 2				3.483	2
13B 3				3.535	3 0.2 PS GT
13B 4				3.681	4
13B 5				3.713	5 0.27 PS LT
13B 6				4.131	6 0.043 PS 35
13B 7				4.829	7
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S-n	=	4.879 ( 0.002)			
13B 8				5.024	8
13B 9				5.106	9 60 KEV 10
13B 10				5.388	10 10 KEV 10
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13B 11				5.557	11
13B 12				6.167	12
13B 13				6.425	13 36 KEV 5
13B 14				6.934	14 55 KEV 15
13B 15				7.516	15
13B 16				7.859	16
13B 17				8.133	17 100 KEV 15
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S-2n	=	8.248 ( 0.001)			
13B 18				8.683	18 89 KEV 20
13B 19				9.440	19 81 KEV 25
13B 20				9.500	20
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S-p      = 15.805 ( 0.002)-----

S-n      = 4.879 ( 0.002)-----

S-2p    = 38.744 ( 0.001)-----

S-2n    = 8.248 ( 0.001)-----

S-alpha= 10.818 ( 0.001)-----

S+p      = -20.831 ( 0.001)

S+n      = -0.970 ( 0.021)

S+2p    = -31.038 ( 0.001)

S+2n    = -3.747 ( 0.021)

S+alpha = -11.117 ( 0.015)

gap p    = -5.026 ( 0.002)

gap n    = 3.909 ( 0.021)

gap 2p = 7.706 ( 0.002)  
gap 2n = 4.501 ( 0.021)  
gap alpha = -0.299 ( 0.015)