

$^{196}\text{Bi}$        $Z = 83$        $N = 113$       adopted link      ENSDF link

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

BE = 1535.053 ( 0.024) MeV

Qbeta+ = 7.339 ( 0.026) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-5.438 ( 0.040)				
196Bi 1				0.000 (3+)	1 308 S 12
196Bi 2				0.158 (6+)	2
196Bi 3				0.169 (7+)	3 0.6 S 5
196Bi 4				0.271 (10-)	4 240 S 3

S-p = 1.560 ( 0.025)-----

S-n = 8.055 ( 0.025)-----

S-2p = 5.650 ( 0.028)-----

S-2n = 18.129 ( 0.025)-----

S-alpha= -5.438 ( 0.040)-----

S+p = -2.673 ( 0.026)

S+n = -9.749 ( 0.026)

S+2p = -3.278 ( 0.025)

S+2n = -17.507 ( 0.037)

S+alpha = 6.596 ( 0.035)

gap p = -1.113 ( 0.036)

gap n = -1.695 ( 0.036)

gap 2p = 2.372 ( 0.038)

gap 2n = 0.621 ( 0.044)

gap alpha = 1.158 ( 0.053)