

^{190}Bi $Z = 83$ $N = 107$ adopted link ENSDF link

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

BE = 1479.212 (0.021) MeV

Qbeta+ = 9.821 (0.024) MeV

	Energy T	J+	J-	J-other	T1/2

S-alpha=	-6.862 (0.030)				
190Bi 1				0.000 (3+)	1 6.3 S 1
S-p =	0.041 (0.025)				
190Bi 2				0.045 (4+)	2
190Bi 3				0.122 (5-)	3 175 NS 8
190Bi 4				0.168 (6+)	4
190Bi 5				0.191 (10-)	5 6.2 S 1
190Bi 6				0.231 (9+,10+,11+)	6
190Bi 7				0.288 (9-,10-,11-)	7
190Bi 8				0.465 (-)	8 1.0 US +10-5

S-p = 0.041 (0.025)-----

S-n = 8.603 (0.030)-----

S-2p = 2.837 (0.037)-----

S-2n = 19.544 (0.024)-----

S-alpha= -6.862 (0.030)-----

S+p = -1.762 (0.022)

S+n = -10.715 (0.022)

S+2p = -1.056 (0.035)

S+2n = -19.081 (0.037)

S+alpha = 7.454 (0.031)

gap p = -1.721 (0.034)

gap n = -2.112 (0.037)

gap 2p = 1.781 (0.051)

gap 2n = 0.463 (0.044)

gap alpha = 0.592 (0.043)