

$^{219}\text{Bi}$        $Z = 83$        $N = 136$       adopted link      ENSDF link

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

BE = 1686.300 (-0.219) MeV

Qbeta- = 3.702 ( 0.220) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-3.946	(-0.307)			
219BI	1			0.000 (9/2-)	1 22 S 7

S-p = 6.610 (-0.309)-----  
 S-n = 4.904 (-0.221)-----  
 S-2p = 16.919 (-0.486)-----  
 S-2n = 8.489 (-0.220)-----  
 S-alpha= -3.946 (-0.307)-----

S+p = -8.409 (-0.220)  
 S+n = -3.520 (-0.310)  
 S+2p = -14.179 (-0.219)  
 S+2n = -8.328 (-0.311)  
 S+alpha = 4.619 (-0.219)

gap p = -1.799 ( 0.379)  
 gap n = 1.384 ( 0.381)  
 gap 2p = 2.740 ( 0.533)  
 gap 2n = 0.161 ( 0.381)  
 gap alpha = 0.674 ( 0.377)