

^{216}At $Z = 85$ $N = 131$ adopted link ENSDF link

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

BE = 1674.649 (0.004) MeV
 Qbeta- = 2.003 (0.007) MeV
 Qbeta+ = 0.474 (0.004) MeV

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

S-alpha=	-7.950	(0.004)	-----		
216AT 1			0.000	1-	1 0.30 MS 3
216AT 2				0.045 (2)-	2
216AT 3				0.057 (4)-	3
216AT 4				0.106 (0)-	4
216AT 5				0.122 (5)-	5
216AT 6				0.153 (2)-	6
216AT 7				0.161 (1)-	7
216AT 8				0.169 (3-)	8
216AT 9				0.199 (3-)	9
216AT 10				0.208 (1,2)-	10

216AT 11				0.235 (1,2-)	11
216AT 12				0.255	12
216AT 13				0.278 (4)-	13
216AT 14				0.303 (1,2-)	14
216AT 15				0.317	15
216AT 16				0.381 (2-,3-)	16
216AT 17				0.413 (9-)	17 0.1 MS SY
216AT 18				0.421	18
216AT 19				0.479	19

S-p = 4.491 (0.004)-----
 S-n = 4.558 (0.008)-----
 S-2p = 11.121 (0.012)-----
 S-2n = 10.507 (0.005)-----
 S-alpha= -7.950 (0.004)-----

S+p = -5.887 (0.006)
 S+n = -5.933 (0.006)
 S+2p = -9.775 (0.006)
 S+2n = -10.299 (0.012)
 S+alpha = 6.801 (0.005)

gap p = -1.396 (0.007)
 gap n = -1.375 (0.010)
 gap 2p = 1.345 (0.013)
 gap 2n = 0.208 (0.013)

gap alpha = -1.149 (0.007)