

^{217}At $Z = 85$ $N = 132$ adopted link ENSDF link

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

BE = 1680.582 (0.005) MeV

Qbeta- = 0.736 (0.007) MeV

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

S-alpha=	-7.201 (0.007)	-----			
217AT 1			0.000	9/2-	1 32.6 MS 3
217AT 2			0.100	7/2-	2 0.5 NS LT
217AT 3			0.218	5/2-	3 0.27 NS 2
217AT 4			0.272	3/2-	4
217AT 5				0.310 (13/2+)	5
217AT 6			0.368	3/2-	6
217AT 7				0.381 (7/2)-	7
217AT 8			0.410	13/2-	8
217AT 9				0.424 (5/2,7/2,9/2)-	9
217AT 10				0.538 (7/2,9/2)	10

217AT 11				0.569 (7/2,9/2)	11
217AT 12			0.577	7/2-	12
217AT 13				0.652	13
217AT 14				0.663 (5/2-,7/2,9/2-)	14
217AT 15				0.809	15
217AT 16				0.892	16

S-p = 4.677 (0.005)-----

S-n = 5.933 (0.006)-----

S-2p = 11.812 (0.008)-----

S-2n = 10.491 (0.008)-----

S-alpha= -7.201 (0.007)-----

S+p = -6.466 (0.006)

S+n = -4.366 (0.013)

S+2p = -10.356 (0.008)

S+2n = -10.141 (0.006)

S+alpha = 6.458 (0.007)

gap p = -1.790 (0.008)

gap n = 1.568 (0.014)

gap 2p = 1.457 (0.011)

gap 2n = 0.350 (0.010)

gap alpha = -0.744 (0.010)