

$^{217}\text{Ac}$        $Z = 89$        $N = 128$       adopted link      ENSDF link

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

BE = 1673.145 ( 0.011) MeV

Qbeta+ = 2.813 ( 0.013) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-9.832 ( 0.012)				
217AC 1			0.000	9/2-	1 69 NS 4
217AC 2			0.660	13/2-	2
217AC 3			0.670	11/2-	3
217AC 4			1.147	17/2-	4
217AC 5			1.149	15/2-	5
217AC 6			1.498	19/2-	6
217AC 7				1.528 (21/2)-	7 10 NS LT
217AC 8				1.682 (23/2)-	8 10 NS LT
217AC 9				1.792 (25/2)-	9
S-p =	1.878 ( 0.014)				
217AC 10				1.916 (27/2)-	10
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217AC 11				2.012 (29/2)+	11 740 NS 40

S-p = 1.878 ( 0.014)-----  
 S-n = 7.519 ( 0.015)-----  
 S-2p = 6.194 ( 0.013)-----  
 S-2n = 13.471 ( 0.017)-----  
 S-alpha= -9.832 ( 0.012)-----

S+p = -3.625 ( 0.015)  
 S+n = -5.923 ( 0.059)  
 S+2p = -4.697 ( 0.071)  
 S+2n = -13.276 ( 0.053)  
 S+alpha = 9.248 ( 0.060)

gap p = -1.746 ( 0.021)  
 gap n = 1.596 ( 0.060)  
 gap 2p = 1.497 ( 0.072)  
 gap 2n = 0.195 ( 0.055)  
 gap alpha = -0.584 ( 0.062)