

$^{216}\text{Ac}$        $Z = 89$        $N = 127$       adopted link      ENSDF link

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

BE = 1665.626 ( 0.009) MeV

Qbeta+ = 4.858 ( 0.012) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-9.241 ( 0.013)				
216Ac 1				0.000 (1-)	1 440 US 16
216Ac 2				0.048 (9-)	2 441 US 7

S-p = 1.671 ( 0.012)-----  
 S-n = 5.952 ( 0.015)-----  
 S-2p = 5.470 ( 0.013)-----  
 S-2n = 14.426 ( 0.016)-----  
 S-alpha= -9.241 ( 0.013)-----

S+p = -3.233 ( 0.014)  
 S+n = -7.519 ( 0.015)  
 S+2p = -4.078 ( 0.020)  
 S+2n = -13.442 ( 0.058)  
 S+alpha = 9.704 ( 0.017)

gap p = -1.562 ( 0.018)  
 gap n = -1.566 ( 0.021)  
 gap 2p = 1.392 ( 0.024)  
 gap 2n = 0.985 ( 0.061)  
 gap alpha = 0.463 ( 0.021)