

$^{208}\text{Ac}$        $Z = 89$        $N = 119$       adopted link      ENSDF link

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

BE      =    1598.444 ( 0.064) MeV

Qbeta+ =      9.033 ( 0.065) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-7.729 ( 0.069)				
208AC 1			0.000	(3+)	1 95 MS +24-16
S-p =	0.042 ( 0.087)				
208AC 2			0.506	(10-)	2 25 MS +9-5

S-p      =    0.042 ( 0.087)-----  
 S-n      =    8.457 ( 0.086)-----  
 S-2p     =    2.570 ( 0.070)-----  
 S-2n     = 18.867 ( 0.092)-----  
 S-alpha= -7.729 ( 0.069)-----

S+p      = -1.660 ( 0.064)  
 S+n      = -9.987 ( 0.085)  
 S+2p     =    0.000 ( 0.000)  
 S+2n     = -18.139 ( 0.090)  
 S+alpha =    8.411 ( 0.109)

gap p     = -1.617 ( 0.108)  
 gap n     = -1.531 ( 0.121)  
 gap 2p    =    0.000 ( 0.000)  
 gap 2n    =    0.727 ( 0.128)  
 gap alpha =    0.682 ( 0.129)