

^{219}Pa $Z = 91$ $N = 128$ adopted link ENSDF link

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

BE = 1677.842 (0.070) MeV

Qbeta+ = 4.120 (0.090) MeV

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

S-alpha=	-10.128 (0.071)				
219PA 1		0.000	9/2-		1 54 NS 10

S-p	= 1.073 (0.070)				
S-n	= 8.138 (0.072)				
S-2p	= 4.697 (0.071)				
S-2n	= 14.614 (0.071)				
S-alpha=	-10.128 (0.071)				

S+p	= -2.958 (0.070)				
S+n	= -6.376 (0.071)				
S+2p	= -3.305 (0.232)				
S+2n	= -14.351 (0.092)				
S+alpha	= 9.650 (0.108)				

gap p	= -1.886 (0.099)				
gap n	= 1.762 (0.101)				
gap 2p	= 1.392 (0.242)				
gap 2n	= 0.263 (0.116)				
gap alpha	= -0.477 (0.129)				