

$^{239}\text{Pa}$        $Z = 91$        $N = 148$       adopted link      ENSDF link

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

BE = 1804.450 (-0.239) MeV

Qbeta- = 2.829 ( 0.239) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-3.619 (-0.239)				
239PA 1			0.000	(3/2)	1 1.8 H 5
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S-p =	6.360 (-0.337)				
S-n =	5.564 (-0.240)				
S-2p =	15.100 (-0.531)				
S-2n =	10.269 (-0.239)				
S-alpha=	-3.619 (-0.239)				
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S+p =	-7.975 (-0.239)				
S+n =	-4.430 (-0.339)				
S+2p =	-13.664 (-0.259)				
S+2n =	-9.798 (-0.339)				
S+alpha =	3.928 (-0.239)				
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gap p =	-1.615 ( 0.413)				
gap n =	1.134 ( 0.415)				
gap 2p =	1.436 ( 0.591)				
gap 2n =	0.471 ( 0.415)				
gap alpha =	0.308 ( 0.338)				