

$^{227}\text{At}$        $Z = 85$        $N = 142$       adopted link      ENSDF link

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

BE = 1728.151 (-0.227) MeV

Qbeta- = 4.653 ( 0.227) MeV

	Energy T	J+	J-	J-other	T1/2
S-alpha=	-2.973 (-0.500)				
227AT	1			0.000	1 300 NS GT

S-p	=	7.387 (-0.506)			
S-n	=	5.127 (-0.320)			
S-2p	=	0.000 (-0.000)			
S-2n	=	8.926 (-0.320)			
S-alpha=	=	-2.973 (-0.500)			

S+p	=	-9.584 (-0.228)
S+n	=	-3.737 (-0.509)
S+2p	=	-16.448 (-0.227)
S+2n	=	-8.814 (-0.511)
S+alpha	=	2.117 (-0.227)

gap p	=	-2.197 ( 0.555)
gap n	=	1.390 ( 0.602)
gap 2p	=	0.000 ( 0.000)
gap 2n	=	0.112 ( 0.603)
gap alpha	=	-0.856 ( 0.550)