

$^{227}\text{Np}$        $Z = 93$        $N = 134$       adopted link      ENSDF link

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

BE      =    1726.852 ( 0.077) MeV

Qbeta+ =      3.534 ( 0.077) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-7.816 ( 0.108)				
227NP	1			0.000	1 0.51 S 6
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S-p	= 2.039 ( 0.078)				
S-n	= 8.309 ( 0.128)				
S-2p	= 6.356 ( 0.112)				
S-2n	= 15.182 ( 0.120)				
S-alpha=	-7.816 ( 0.108)				
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S+p	= -3.760 ( 0.080)				
S+n	= -6.860 ( 0.077)				
S+2p	= -4.976 ( 0.131)				
S+2n	= -14.920 ( 0.127)				
S+alpha	= 7.402 ( 0.243)				
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gap p	= -1.721 ( 0.112)				
gap n	= 1.449 ( 0.149)				
gap 2p	= 1.379 ( 0.173)				
gap 2n	= 0.262 ( 0.175)				
gap alpha	= -0.415 ( 0.266)				