

$^{222}\text{At}$        $Z = 85$        $N = 137$       adopted link      ENSDF link

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

BE      =    1704.380 ( 0.016) MeV

Qbeta- =      4.581 ( 0.016) MeV

	Energy T	J+	J-	J-other	T1/2
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S-alpha=	-5.312 ( 0.031)				
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S-p      =    6.110 ( 0.025)-----

S-n      =    3.901 ( 0.021)-----

S-2p    =  14.560 ( 0.221)-----

S-2n    =    9.565 ( 0.021)-----

S-alpha= -5.312 ( 0.031)-----

S+p      =  -7.852 ( 0.018)

S+n      =  -5.596 ( 0.021)

S+2p    = -13.782 ( 0.019)

S+2n    =  -9.385 ( 0.027)

S+alpha =    4.143 ( 0.017)

gap p    =  -1.743 ( 0.031)

gap n    =  -1.695 ( 0.030)

gap 2p   =    0.778 ( 0.221)

gap 2n   =    0.181 ( 0.035)

gap alpha = -1.169 ( 0.036)