

$^{238}\text{Pa}$        $Z = 91$        $N = 147$       adopted link      ENSDF link

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

BE      =    1798.886 ( 0.016) MeV

Qbeta- =      3.586 ( 0.016) MeV

	Energy T	J+	J-	J-other	T1/2
-----					
S-alpha=	-3.628 ( 0.021)				
238PA 1			0.000 (3-)		1 2.28 M 10

S-p      =    6.350 ( 0.022)-----

S-n      =    4.705 ( 0.021)-----

S-2p    =  14.905 ( 0.041)-----

S-2n    =  10.583 ( 0.021)-----

S-alpha= -3.628 ( 0.021)-----

S+p      =  -7.610 ( 0.016)

S+n      =  -5.564 ( 0.240)

S+2p    = -13.156 ( 0.023)

S+2n    =  -9.994 ( 0.241)

S+alpha =    4.098 ( 0.201)

gap p    =  -1.261 ( 0.027)

gap n    =  -0.859 ( 0.240)

gap 2p   =    1.749 ( 0.047)

gap 2n   =    0.589 ( 0.241)

gap alpha =    0.470 ( 0.202)