

$^{128}\text{Pm}$        $Z = 61$        $N = 67$       adopted link    ENSDF link

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

BE      =    1033.600 (-0.256) MeV

Qbeta+ =      12.274 ( 0.362) MeV

	Energy T	J+	J-	J-other	T1/2
S-alpha=	-2.568	(-0.452)			
S-p	= -0.434	(-0.361)			
128PM	1			0.000	5,6,7      1 1.0 S      3

S-p      =    -0.434 (-0.361)-----  
 S-n      =    10.996 (-0.459)-----  
 S-2p     =    2.416 (-0.359)-----  
 S-2n     =    24.592 (-0.565)-----  
 S-alpha= -2.568 (-0.452)-----

S+p      =    -1.367 (-0.576)  
 S+n      =    -13.106 (-0.363)  
 S+2p     =    0.100 (-0.580)  
 S+2n     =    -23.430 (-0.365)  
 S+alpha =    3.520 (-0.472)

gap p     =    -1.801 ( 0.680)  
 gap n     =    -2.110 ( 0.585)  
 gap 2p    =    2.516 ( 0.682)  
 gap 2n    =    1.162 ( 0.673)  
 gap alpha =    0.952 ( 0.653)