

^{128}Pr $Z = 59$ $N = 69$ adopted link ENSDF link

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

BE = 1053.301 (0.030) MeV

Qbeta+ = 9.203 (0.041) MeV

	Energy T	J+	J-	J-other	T1/2

S-alpha=	-1.503 (0.064)				
128PR	1			0.000 4,5,6	1 2.84 S 9

S-p	= 1.640 (0.042)				
S-n	= 9.869 (0.256)				
S-2p	= 5.935 (0.095)				
S-2n	= 22.117 (0.254)				
S-alpha=	-1.503 (0.064)				

S+p	= -3.338 (0.260)				
S+n	= -11.514 (0.042)				
S+2p	= -3.729 (0.262)				
S+2n	= -20.987 (0.071)				
S+alpha	= 2.233 (0.135)				

gap p	= -1.698 (0.263)				
gap n	= -1.645 (0.259)				
gap 2p	= 2.206 (0.279)				
gap 2n	= 1.130 (0.263)				
gap alpha	= 0.730 (0.150)				