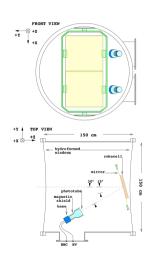
HMS PID

Gas Cherenkov Detector

Shuo Jia

HMS Gas Cherenkov Detector

 $ZZ_{0.5}$ Large cylindrical tank, $\phi_{in} =$ 59", L =60". containing two mir-

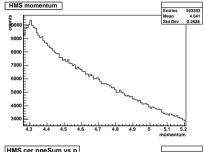


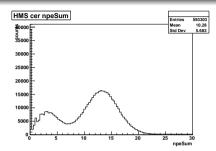
Gas

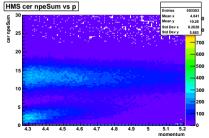
The tank is filled with pure gas, CO2, at Pressure 1Atm



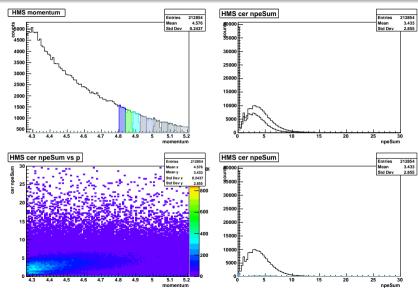
no cal pion cut, $hms_p = 4.736$



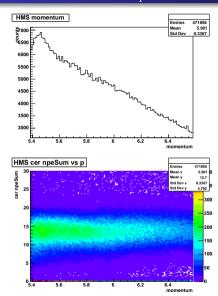


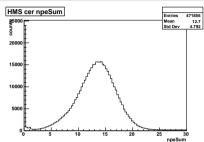


cal pion cut 0.3

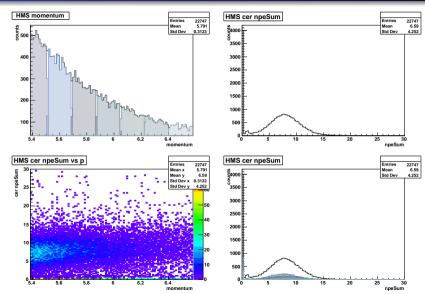


no cal pion cut, $hms_p = 5.983$

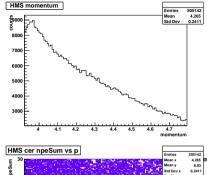


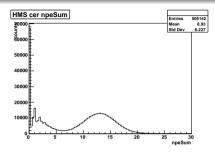


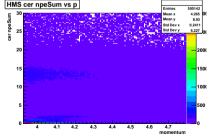
cal pion cut 0.3



no cal pion cut, hms $_p = 4.357$







cal pion cut 0.3

