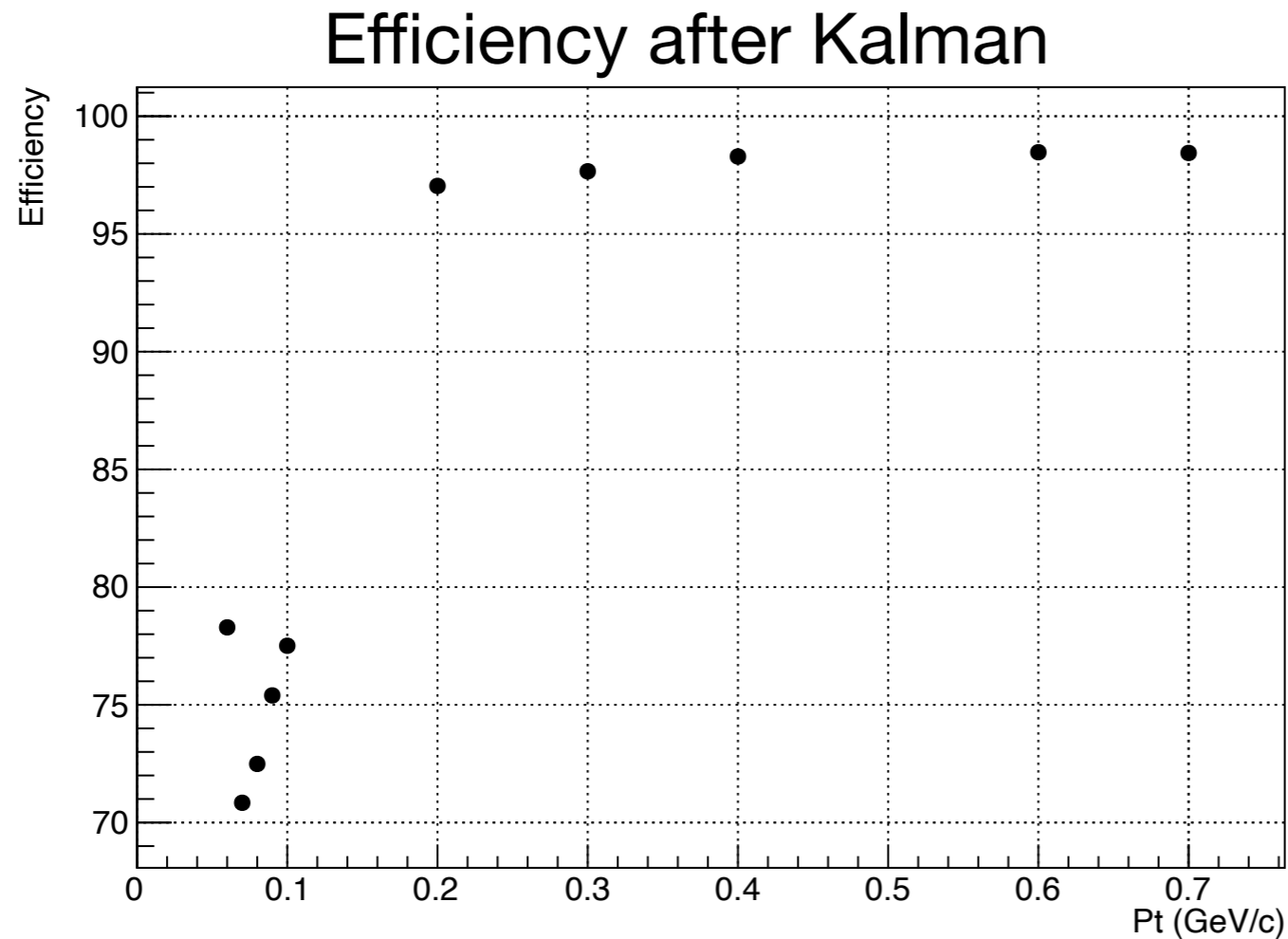


# Test of global hough V14

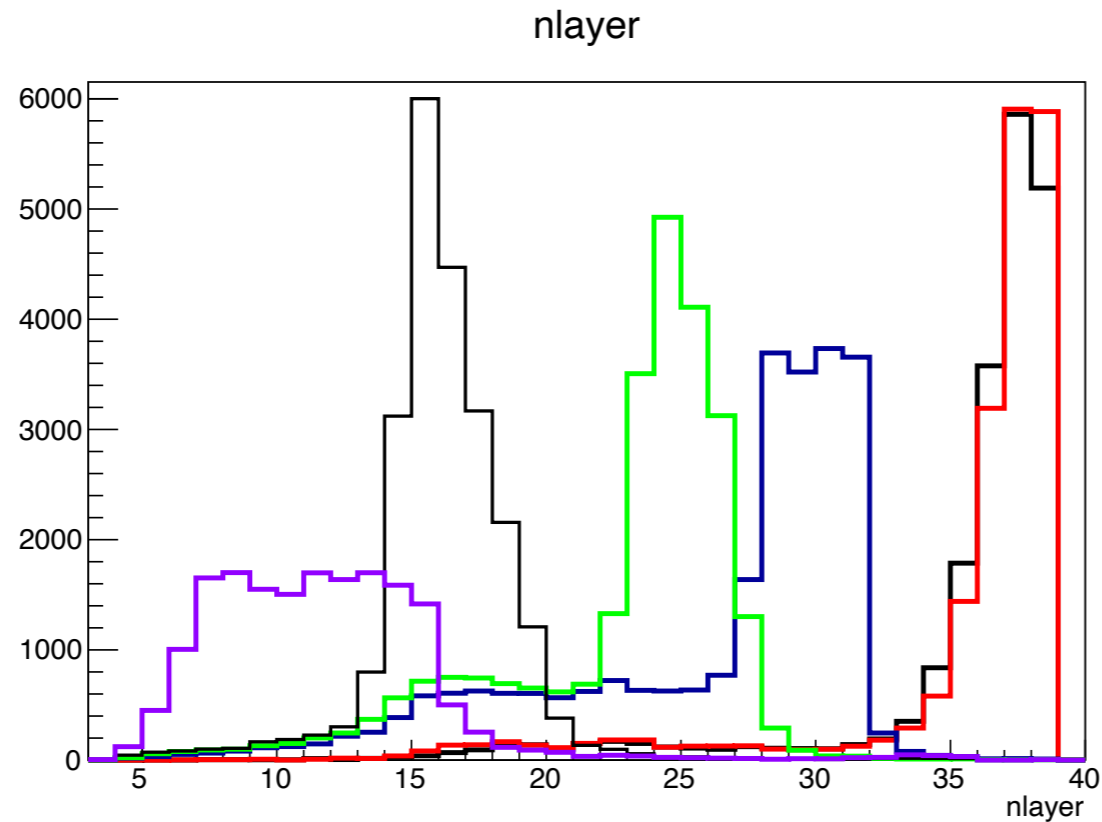
- 20000 pions
- fixpt generator
- pt=[0.06, 0.07, 0.08, 0.09, 0.1, 0.2, 0.3, 0.4, 0.6, 0.7] GeV



$$\text{eff} = \frac{\text{\#evt (1 trk)}}{\text{\#evt gen}}$$

Similar behaviour as for  
muons (Long Li)

# Test of global hough V14



pt=0.7 GeV

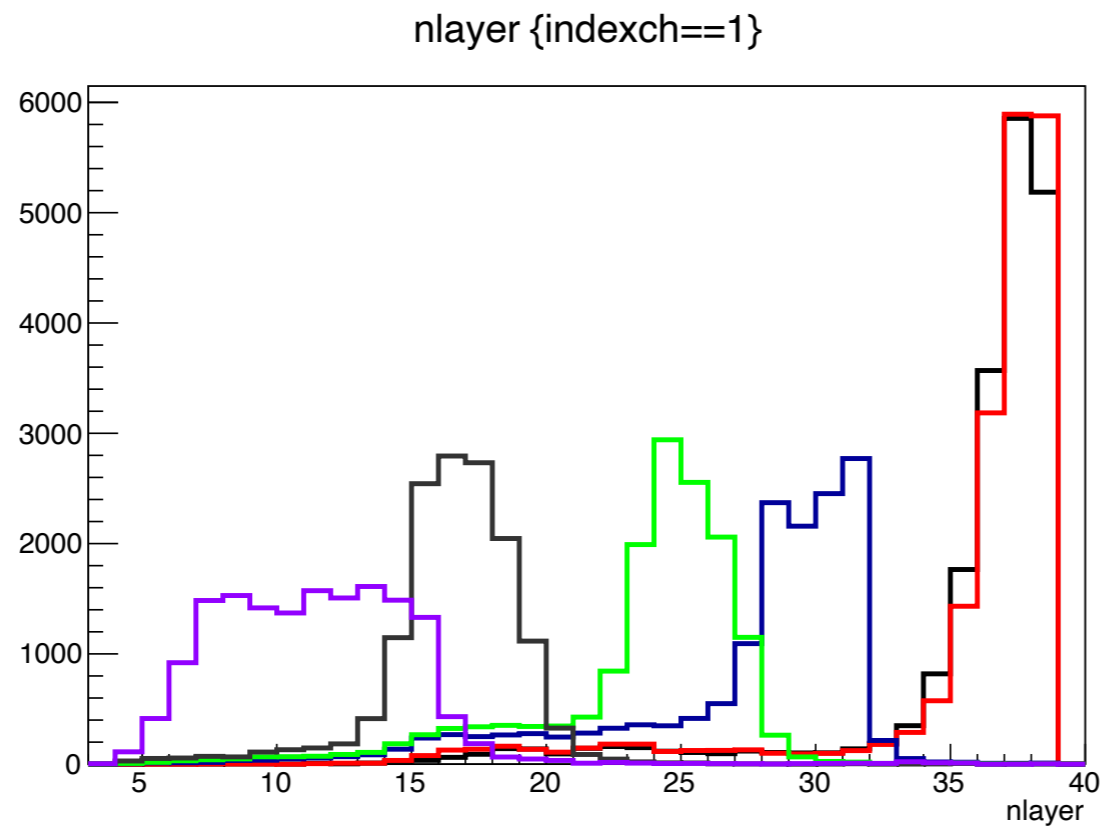
pt=0.5 GeV

pt=0.1 GeV

pt=0.09 GeV

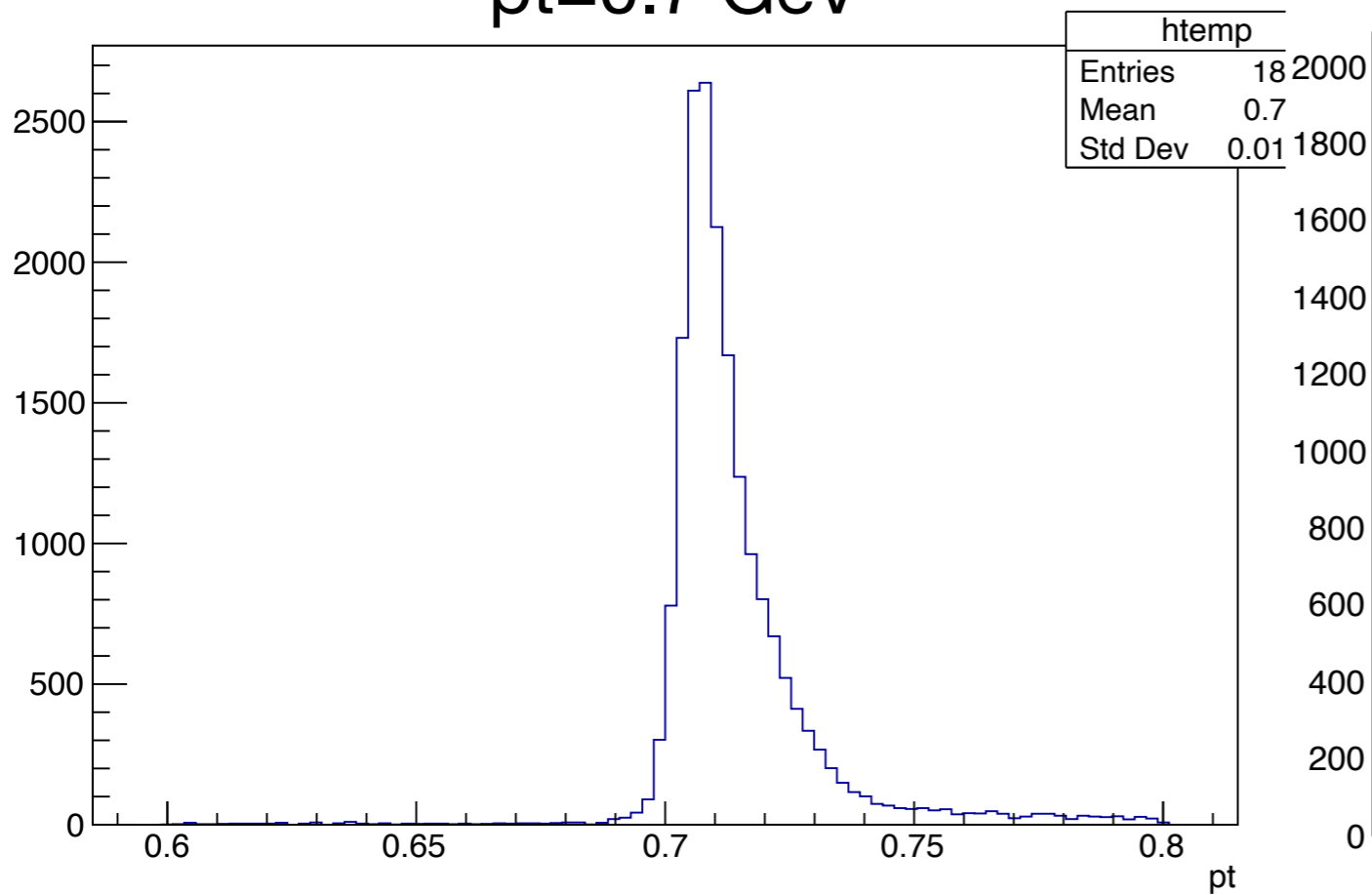
pt=0.07 GeV

pt=0.06 GeV

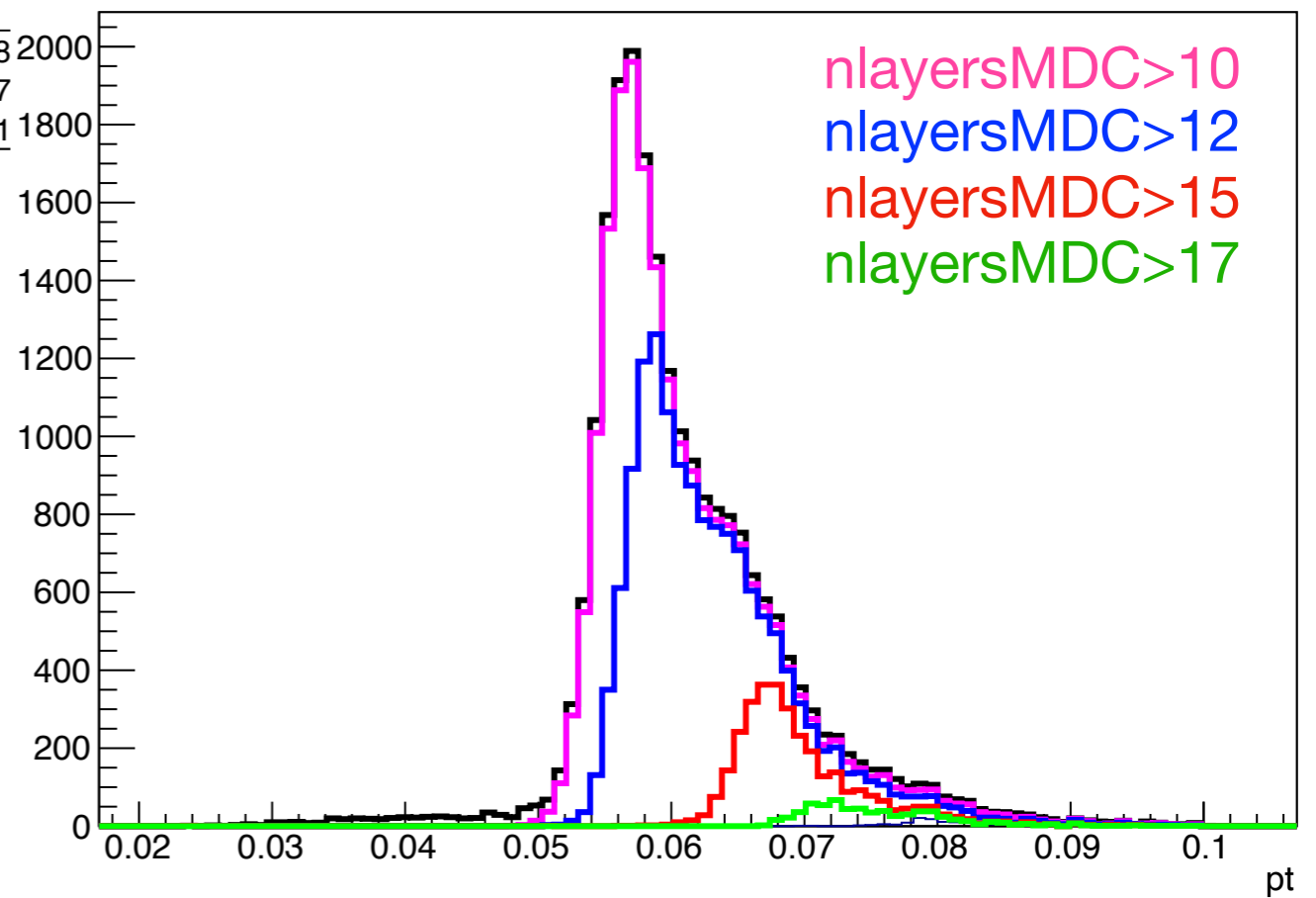


# reconstructed pt

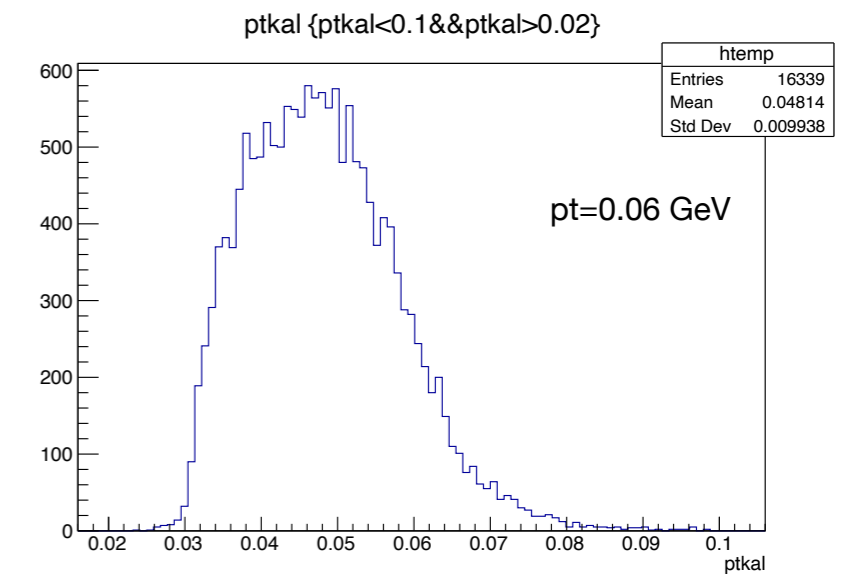
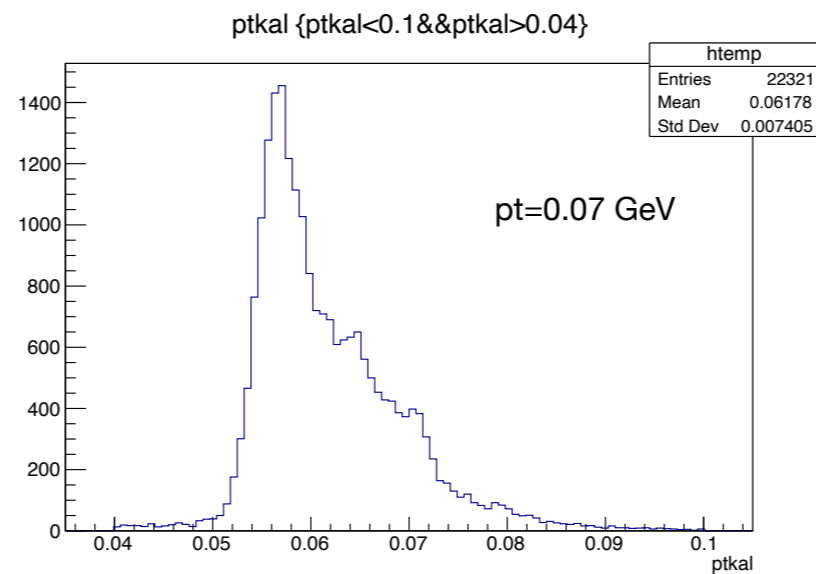
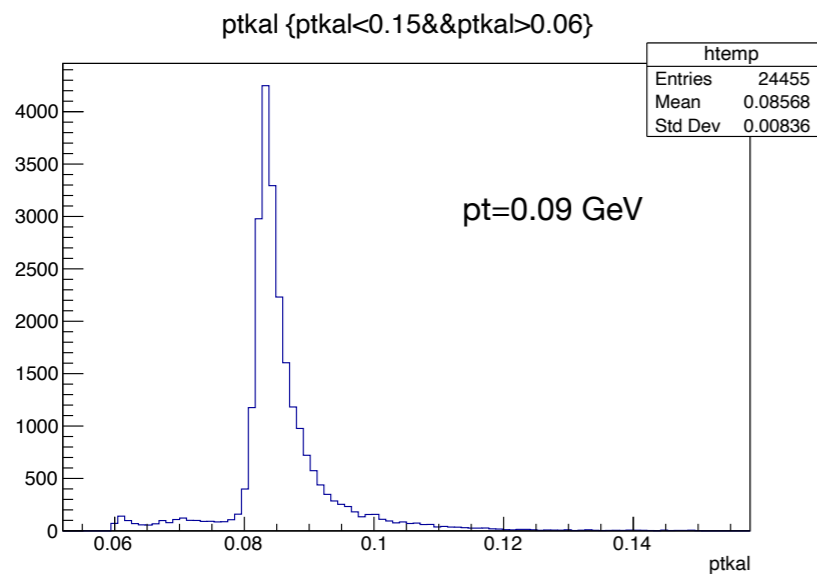
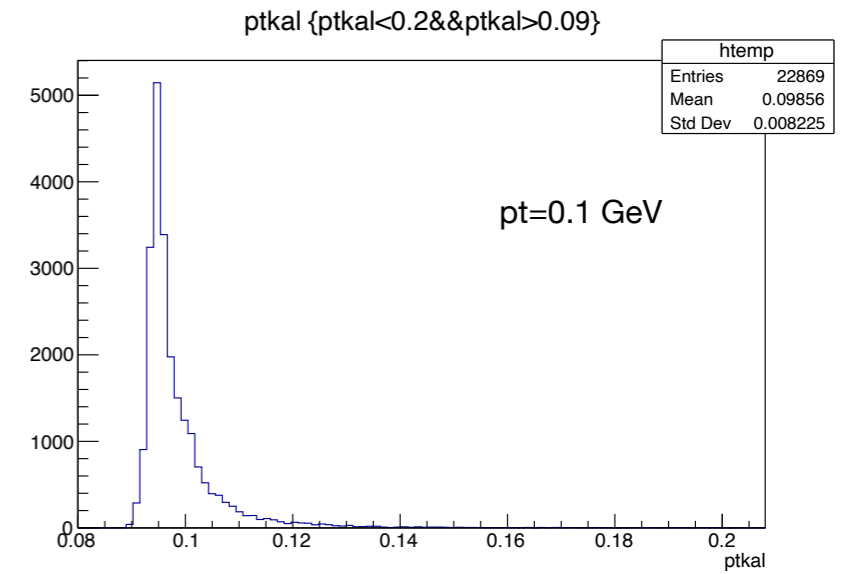
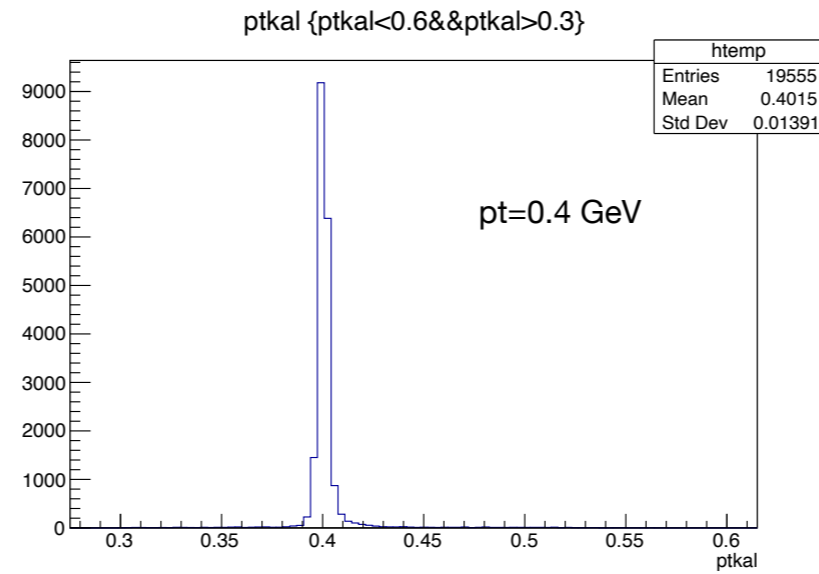
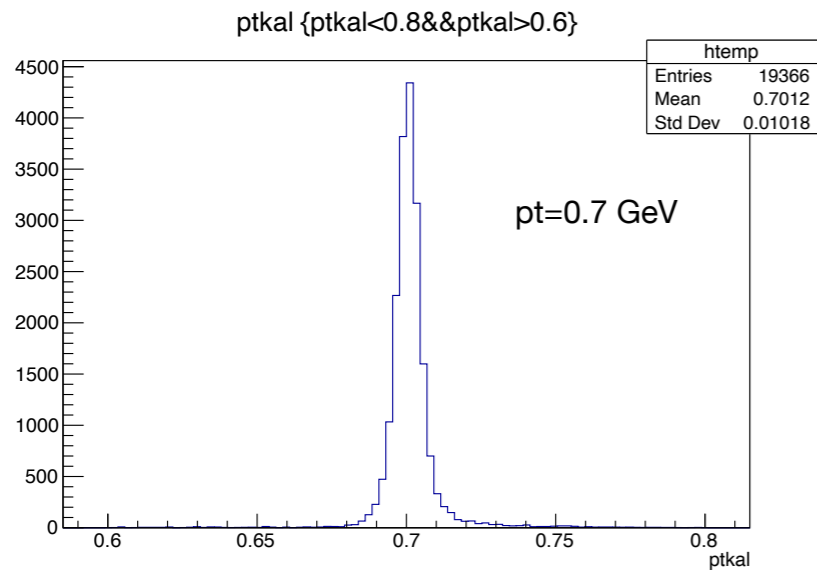
pt=0.7 GeV



pt=0.07 GeV

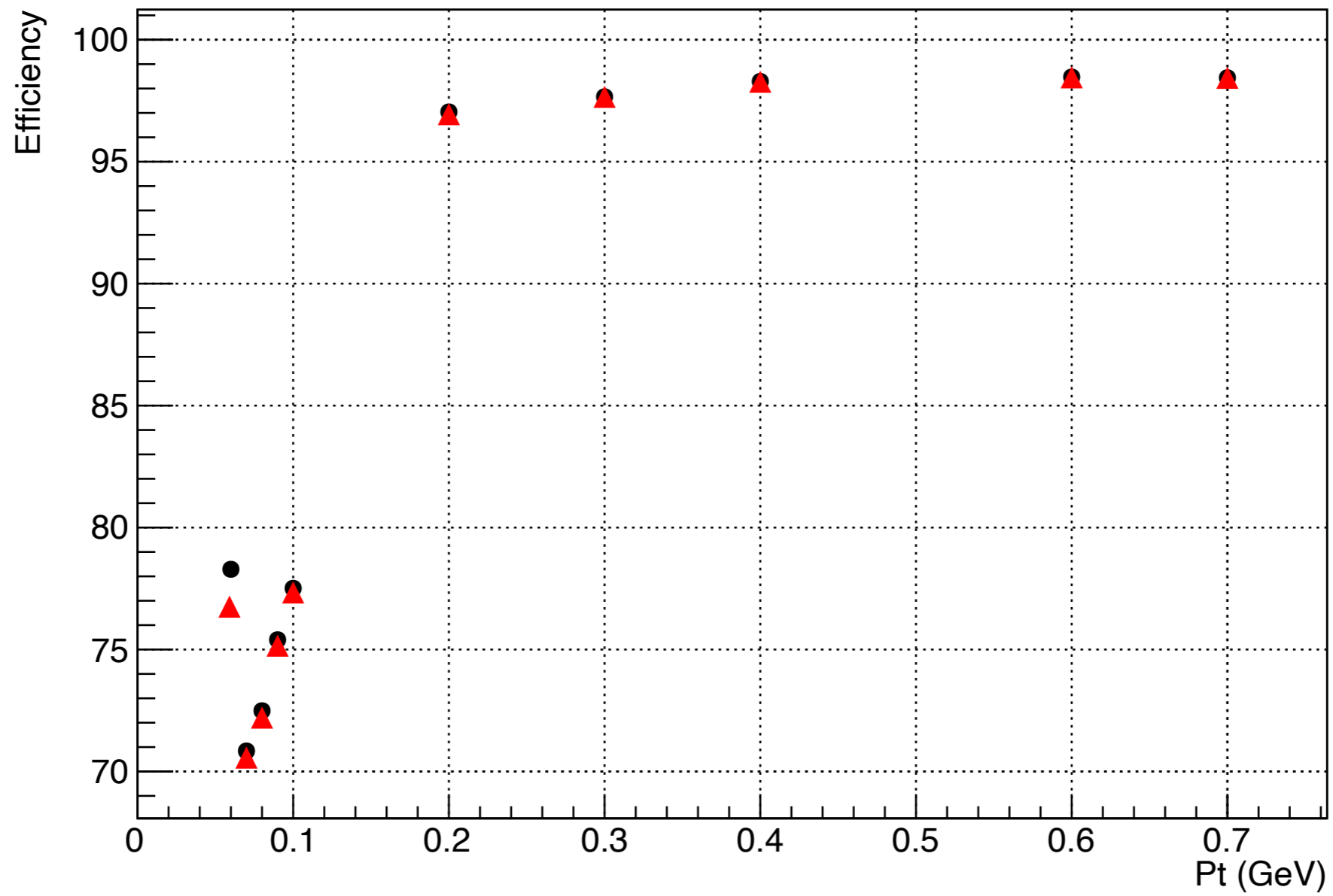


# pt after kalman



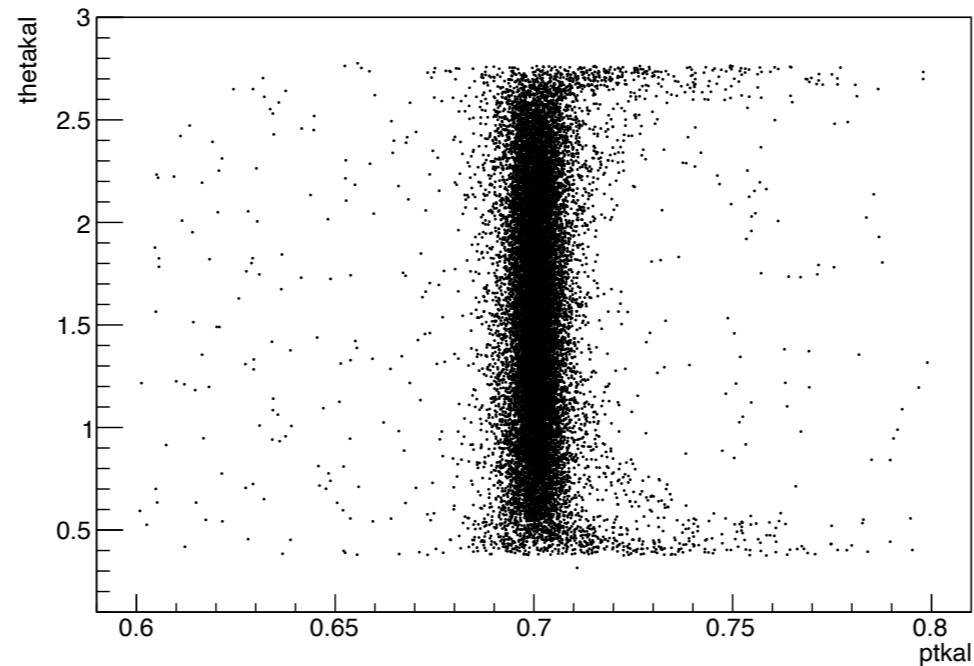
```
RecMdcKalTrack* mdcKalTrk = (*itTrk)->mdcKalTrack();  
RecMdcKalTrack::setPidType (RecMdcKalTrack::pion);  
if(!(*itTrk)->isMdcKalTrackValid()) continue;
```

# efficiency after kalman

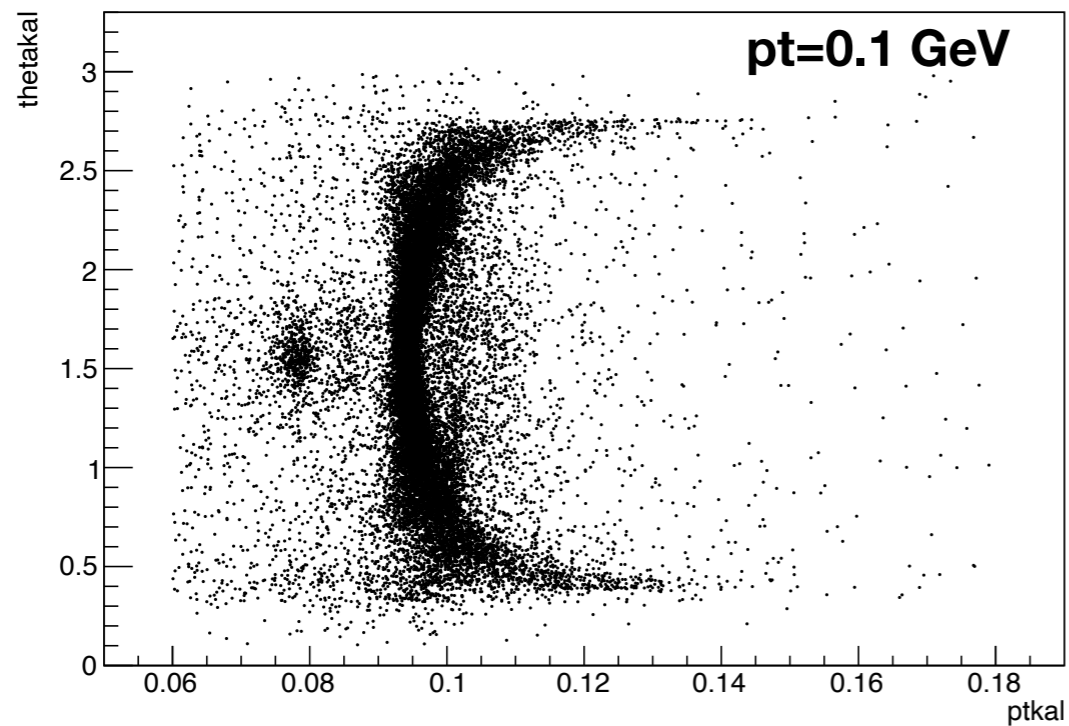


# some distributions after kalman

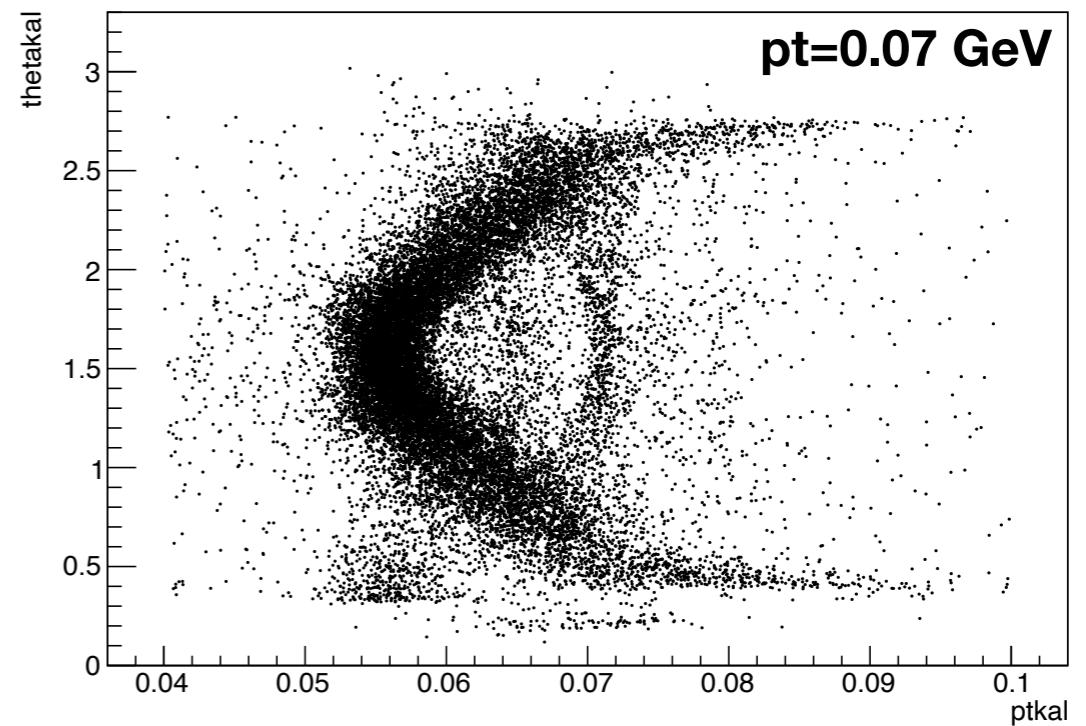
thetakal:ptkal {ptkal<0.8&&ptkal>0.6}



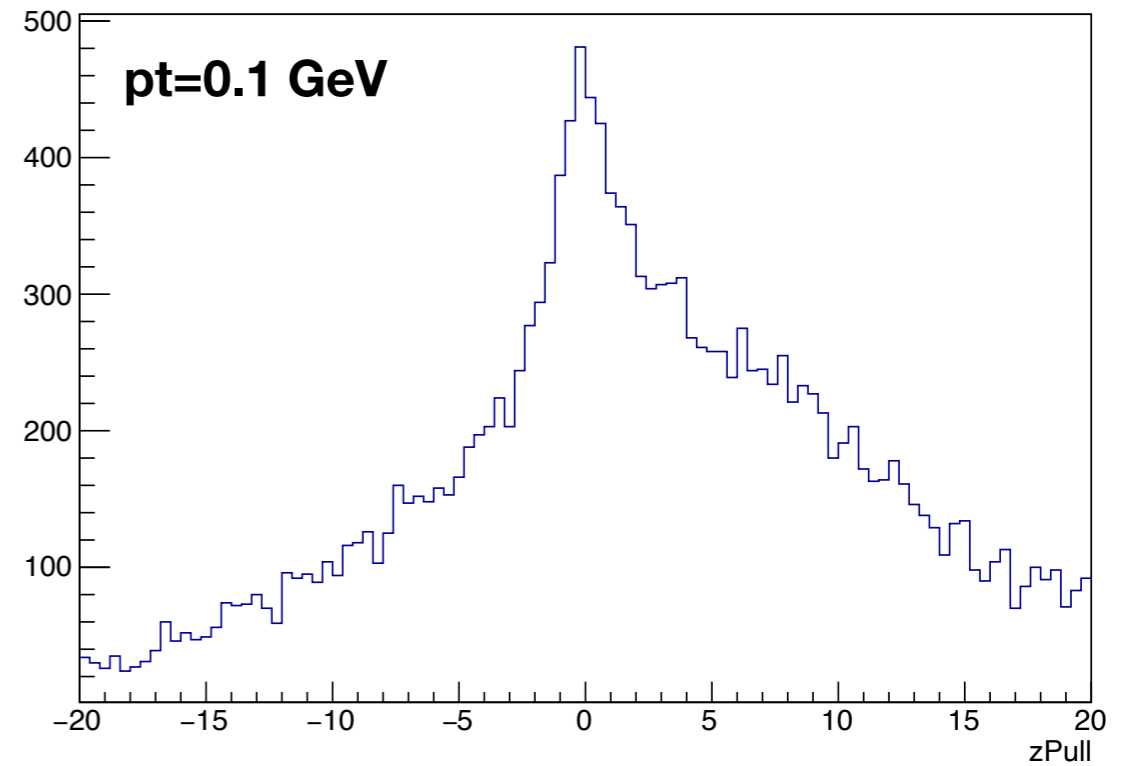
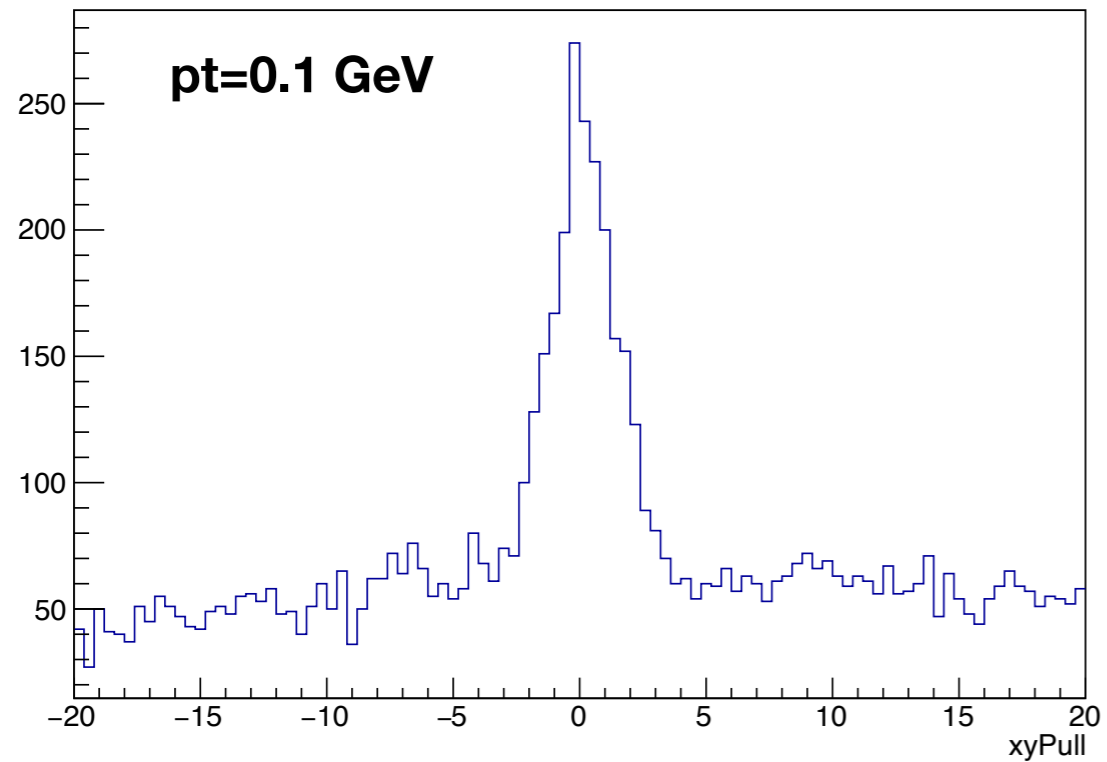
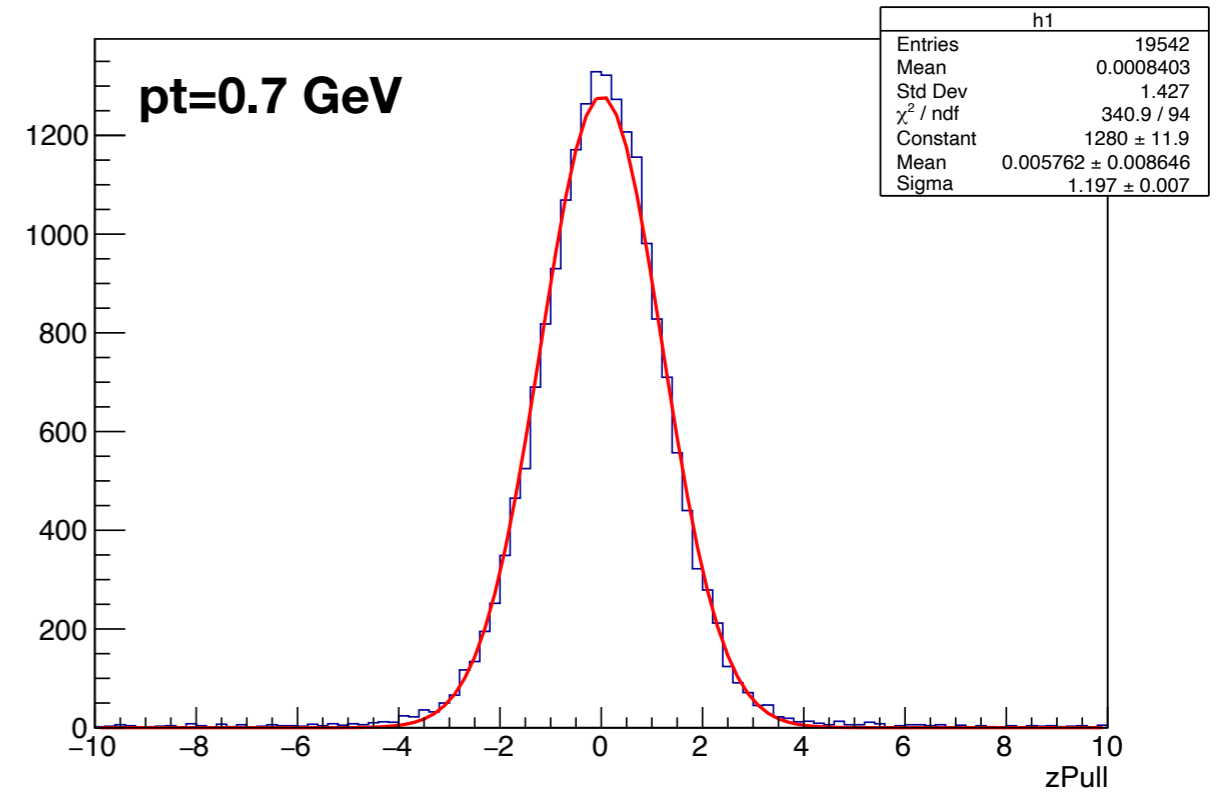
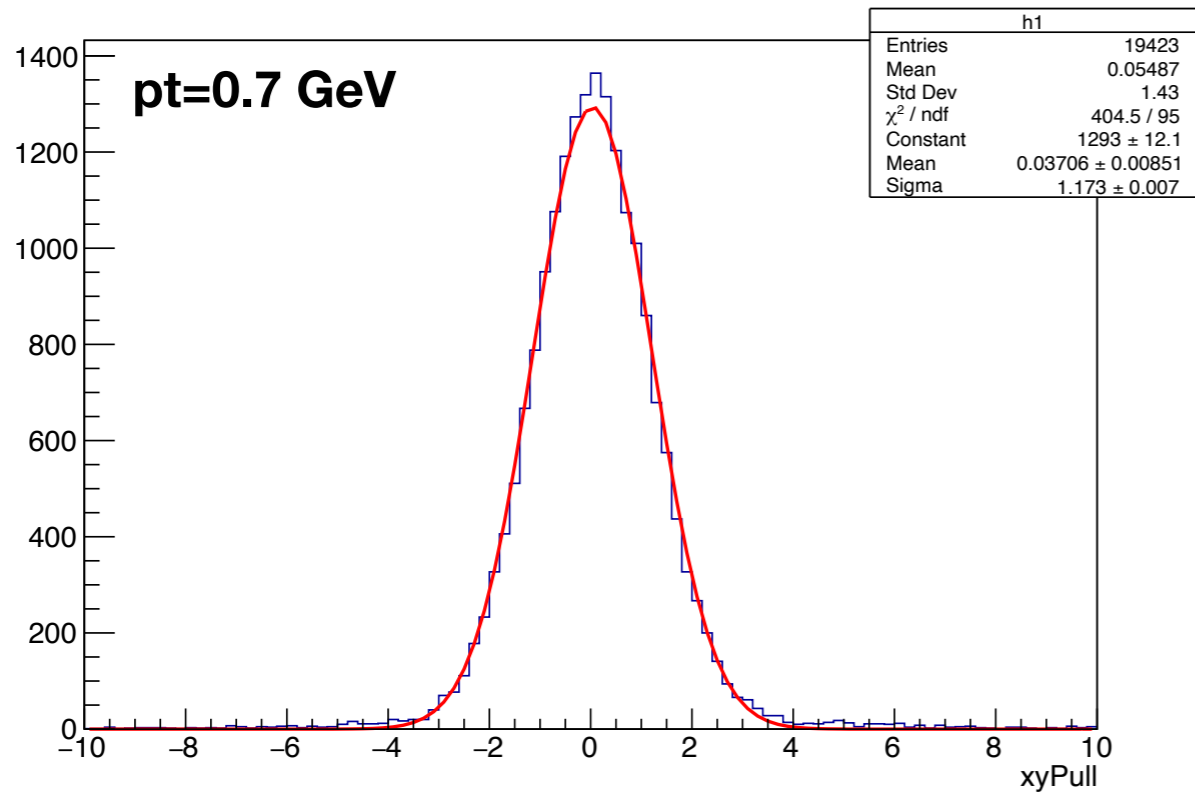
thetakal:ptkal {ptkal<0.18&&ptkal>0.06}

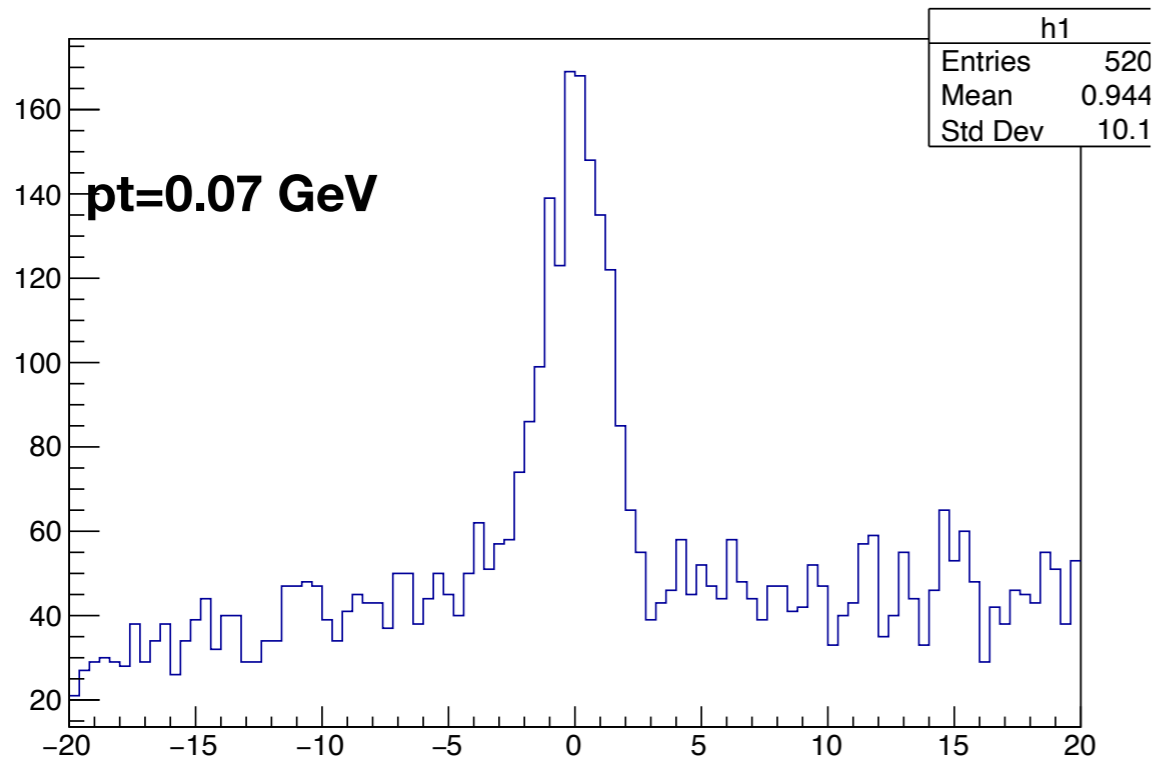


thetakal:ptkal {ptkal<0.1&&ptkal>0.04}

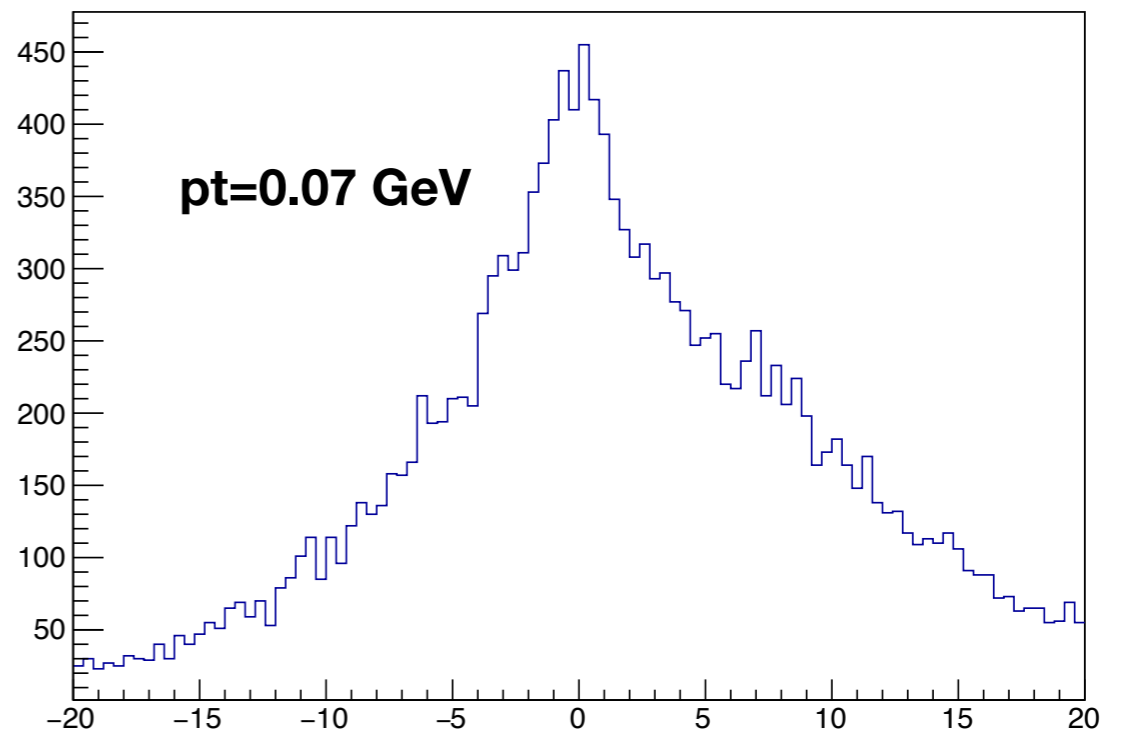


# Pull distributions





xyPull {abs(xyPull)<60}



zPull {abs(zPull)<20}

