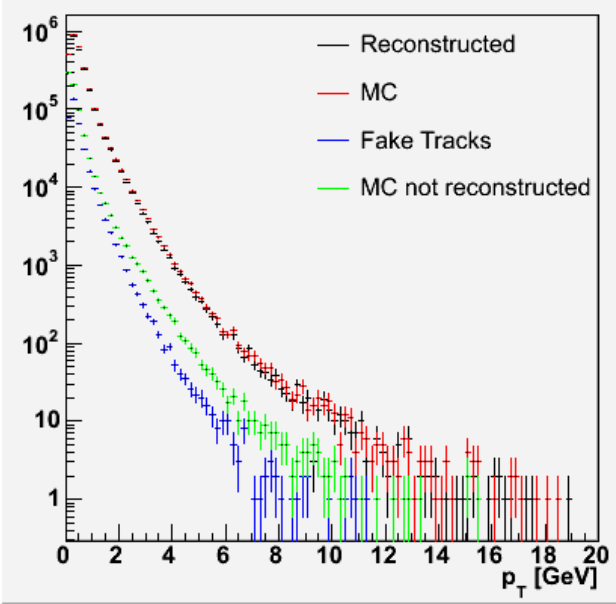


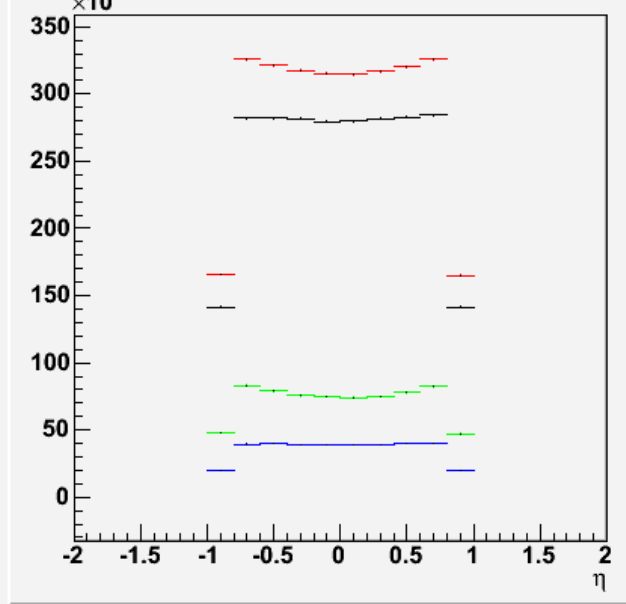
# LHCd2 QA MC vs Reco

A. Morsch  
6/7/2010

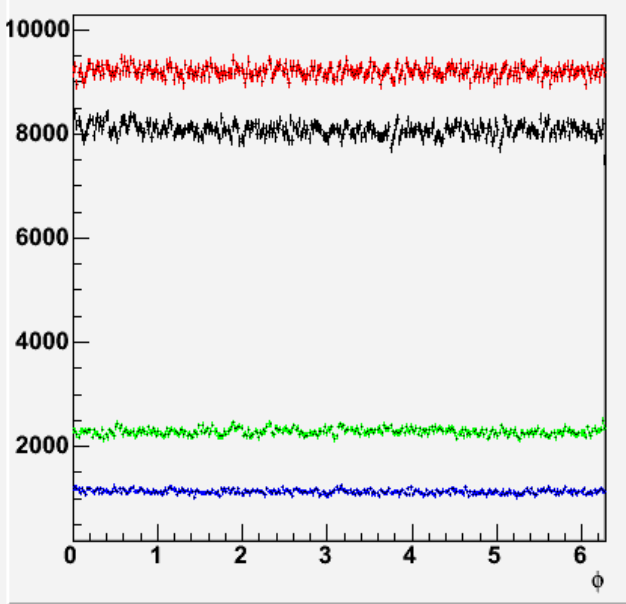
**$p_T$  distribution: all reconstructed**



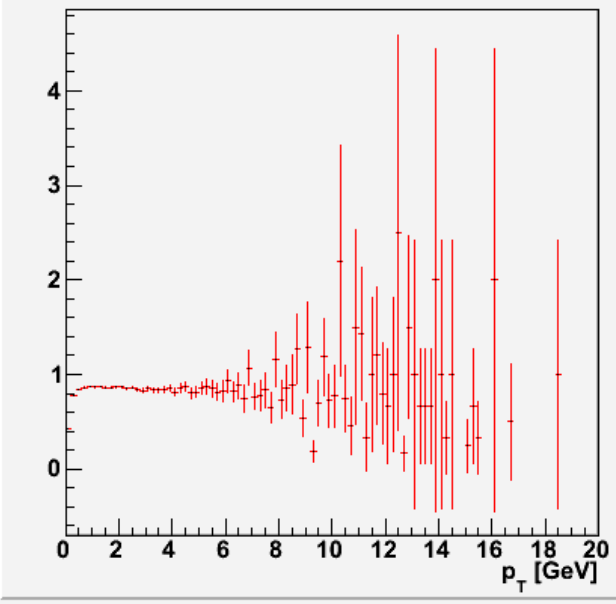
**$\eta$  distribution: all reconstructed**



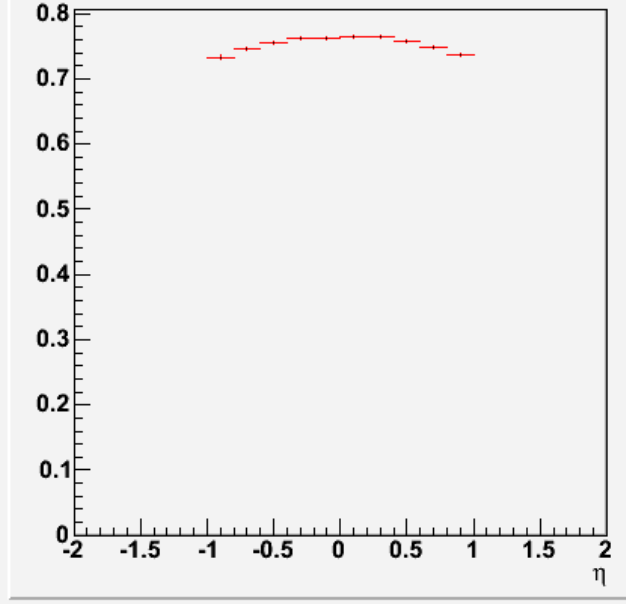
**$\phi$  distribution: all reconstructed**



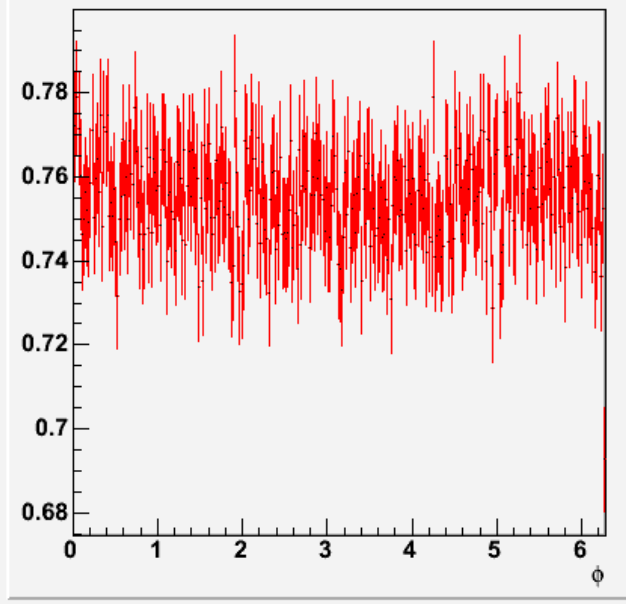
**Efficiency  $p_T$**



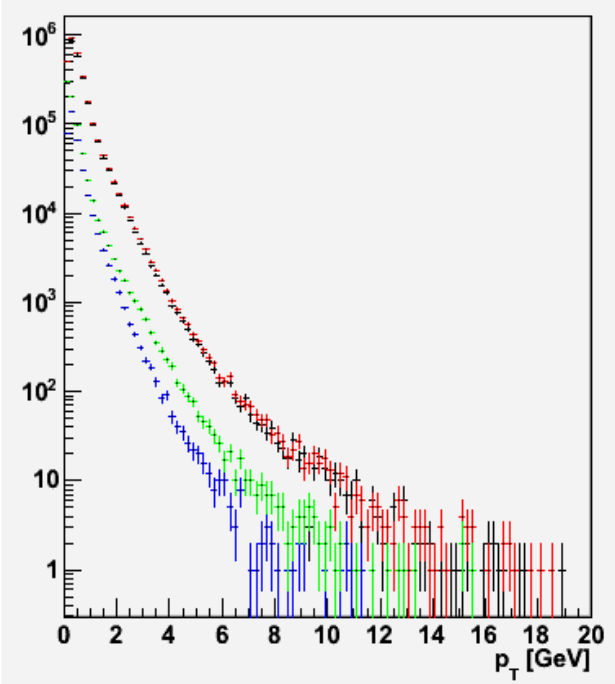
**Efficiency  $\eta$**



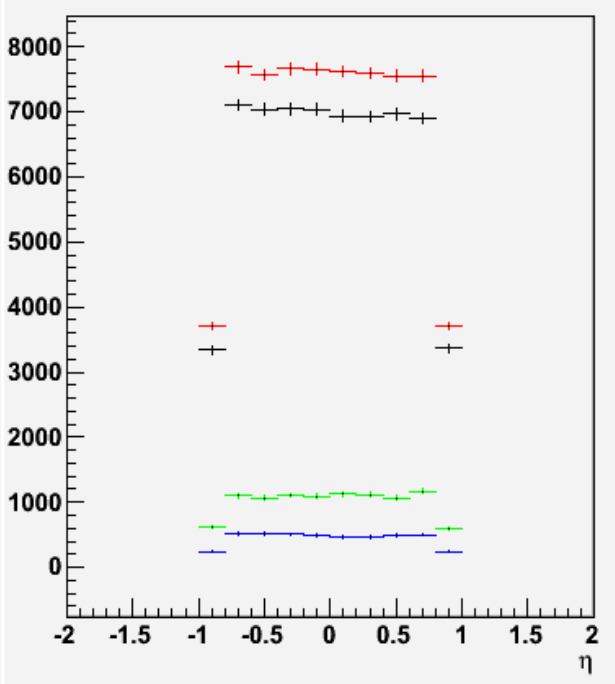
**Efficiency  $\phi$**



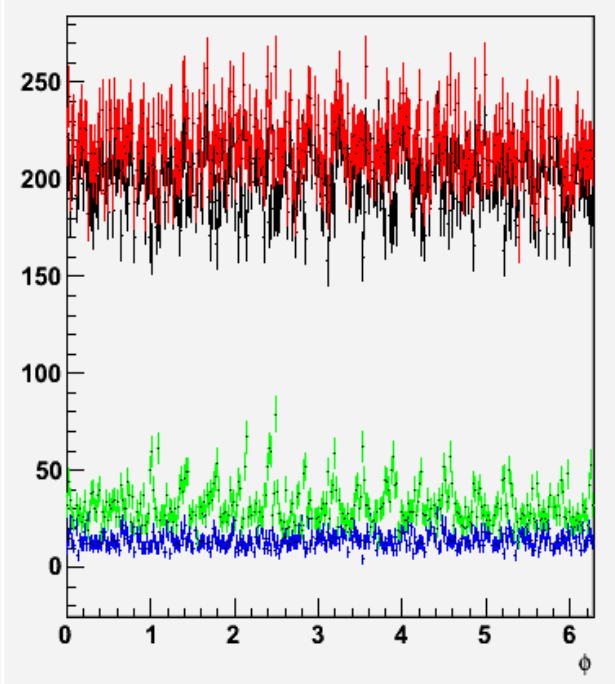
$p_T$  distribution: all reconstructed



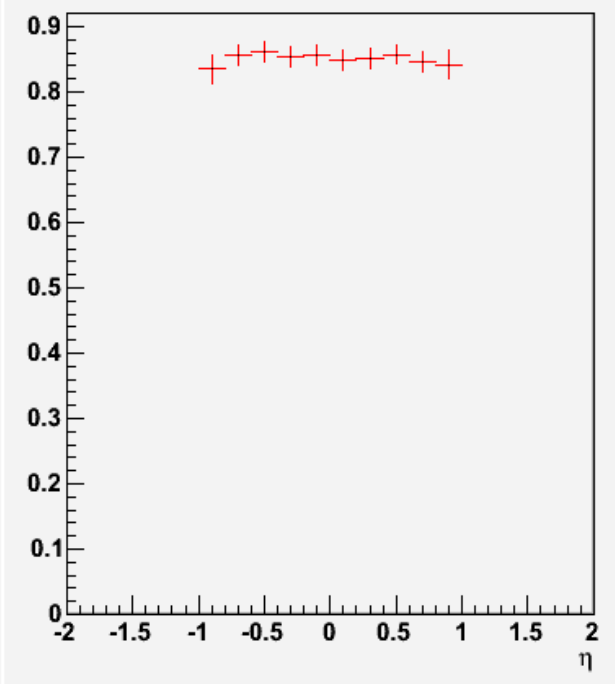
$\eta$  distribution: all reconstructed



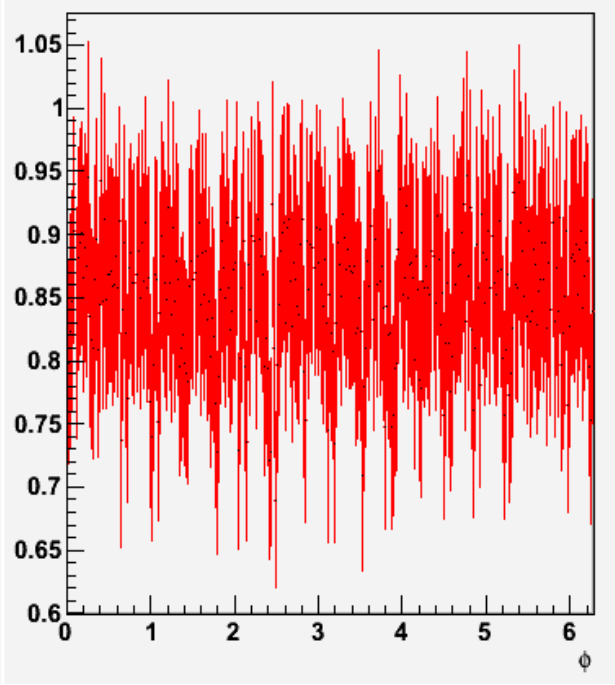
$\phi$  distribution: all reconstructed

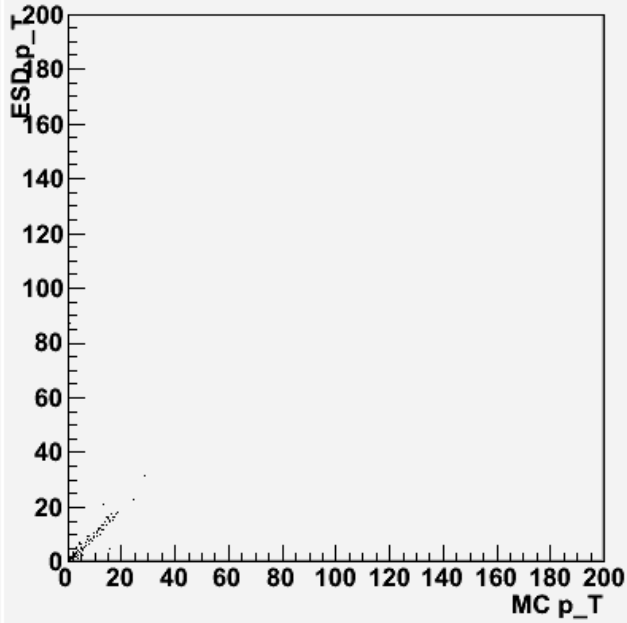
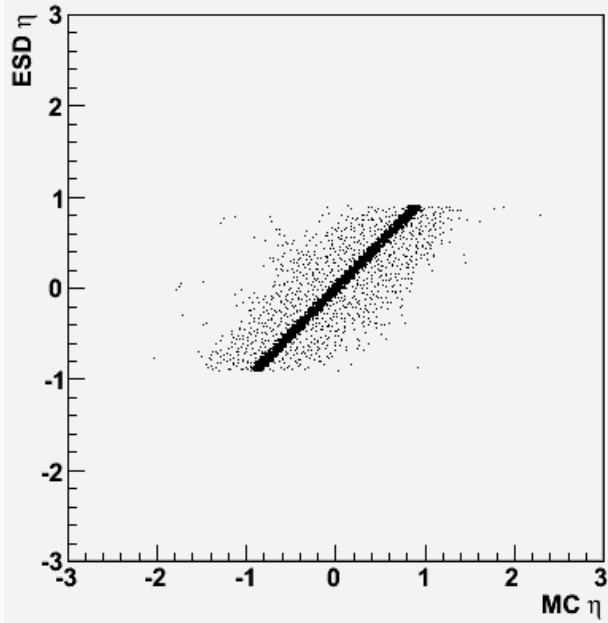
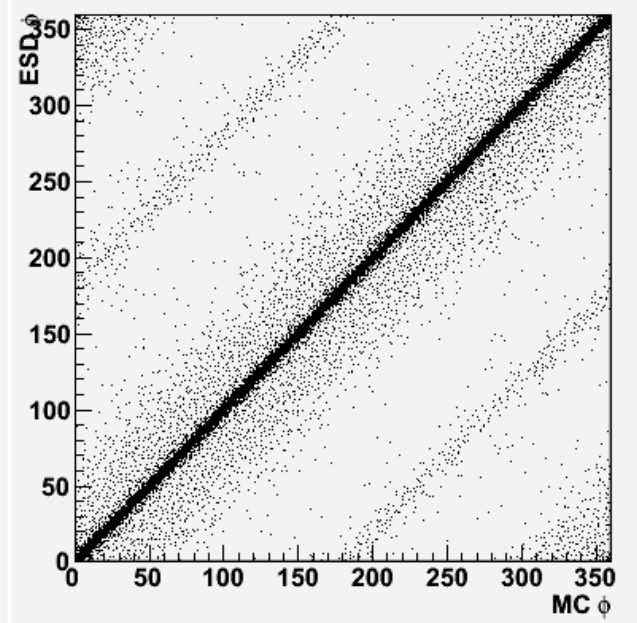
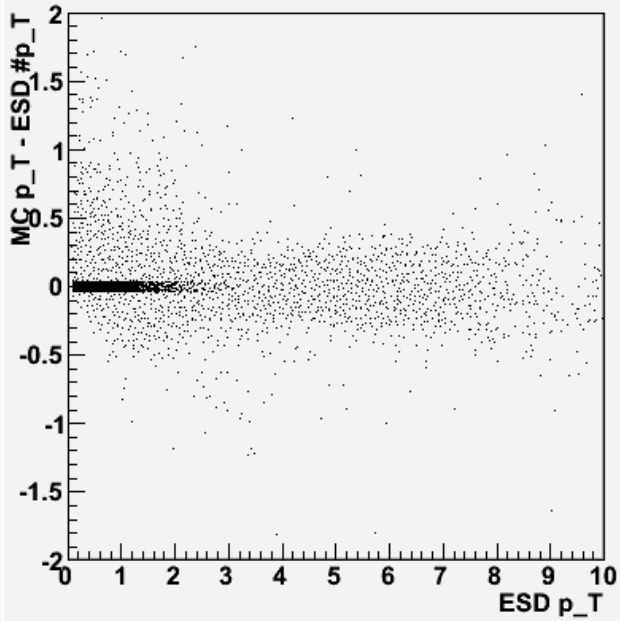
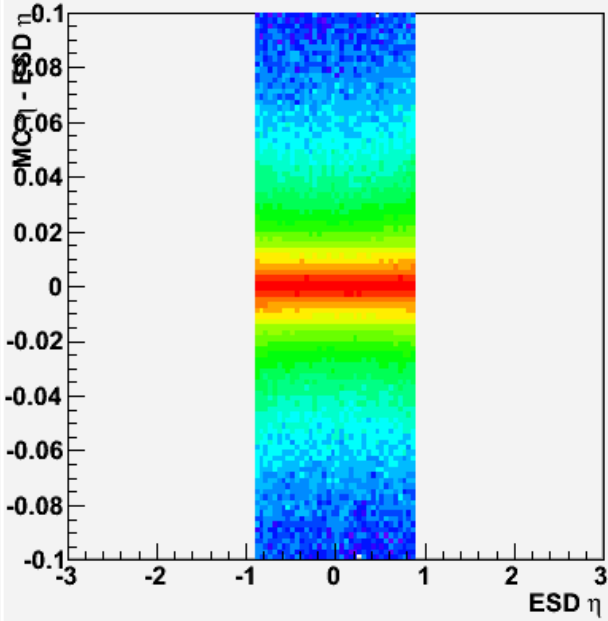
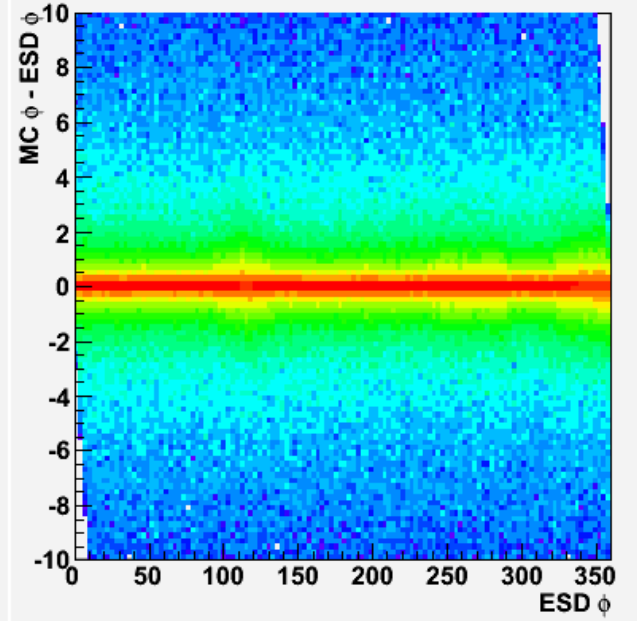


Efficiency  $\eta$

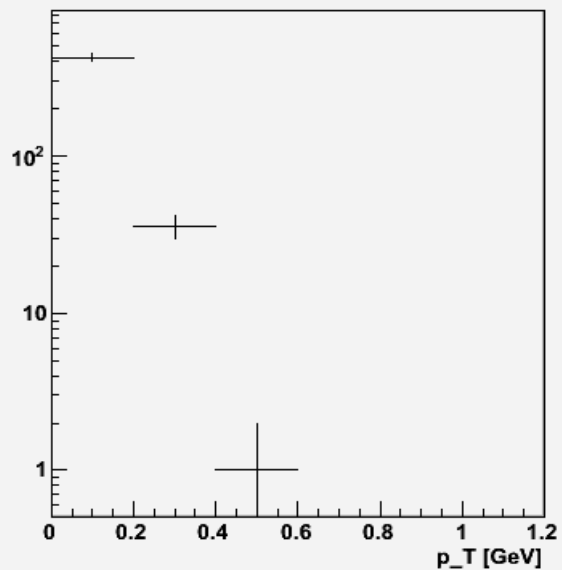


Efficiency  $\phi$

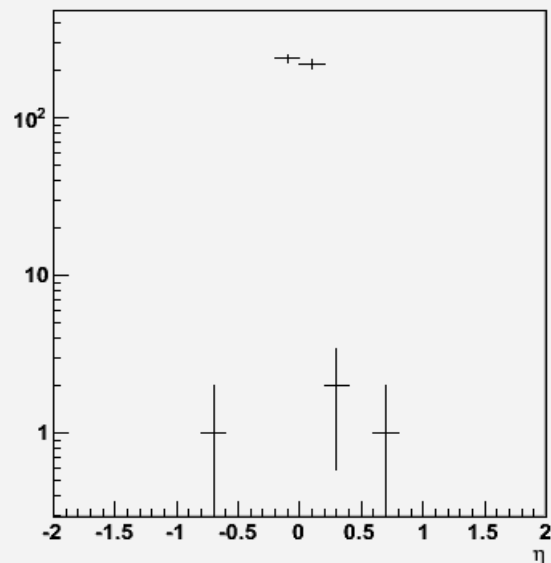


**PtCorrelation****EtaCorrelation****PhiCorrelation****PtCorrelationShift****EtaCorrelationShift****PhiCorrelationShift**

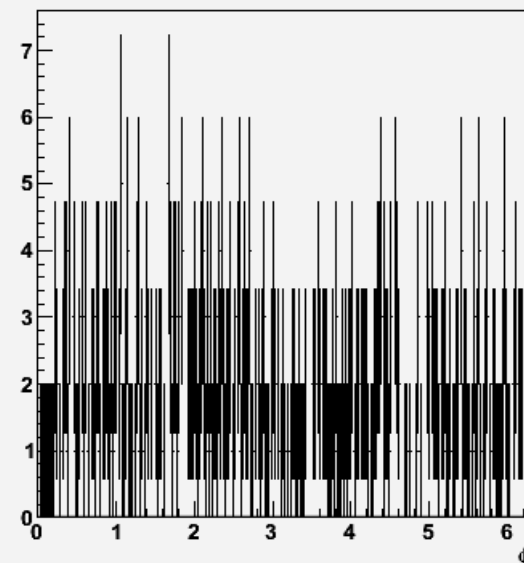
**$p_T$  distribution: multiply rec.**



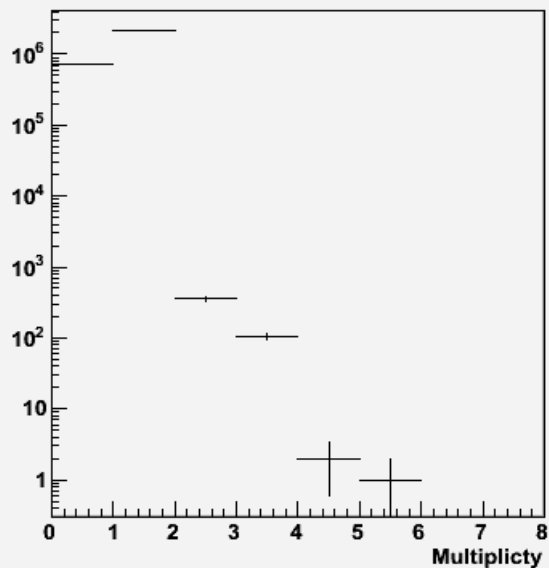
**$\eta$  distribution: multiply rec.**



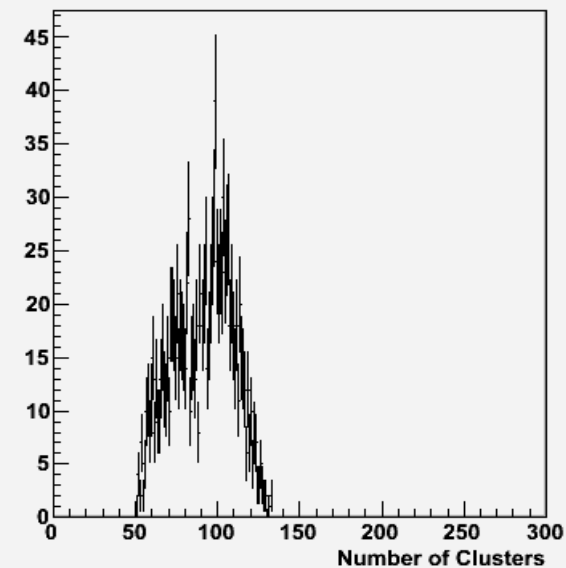
**$\phi$  distribution: multipli rec.**

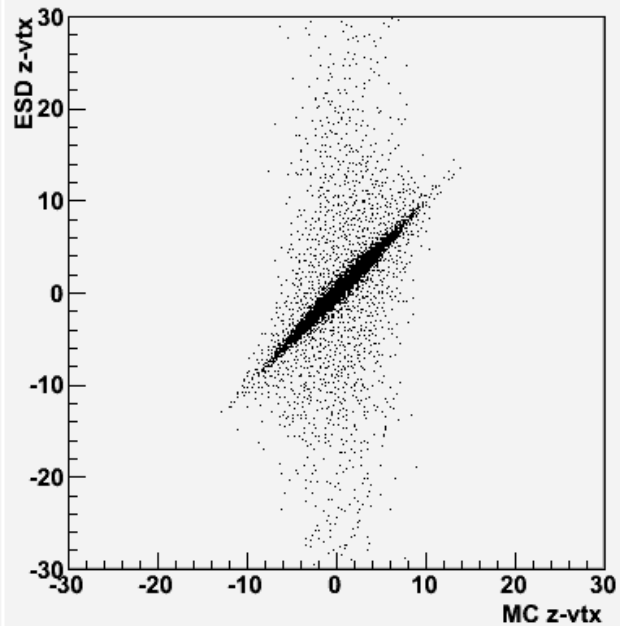
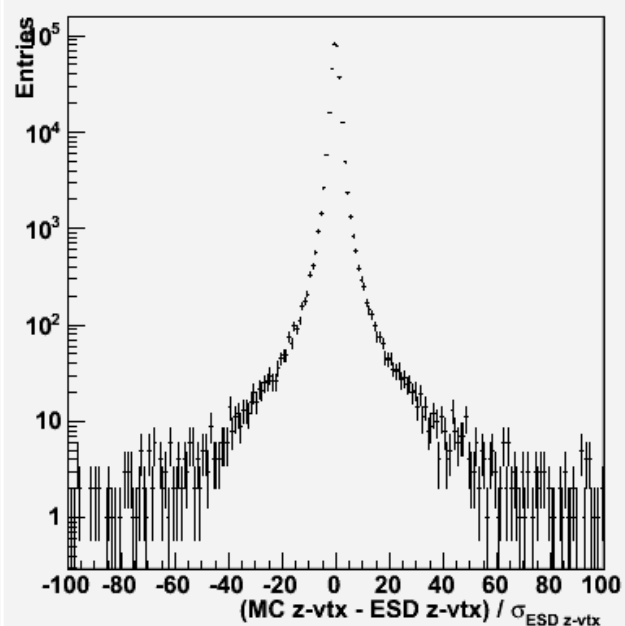
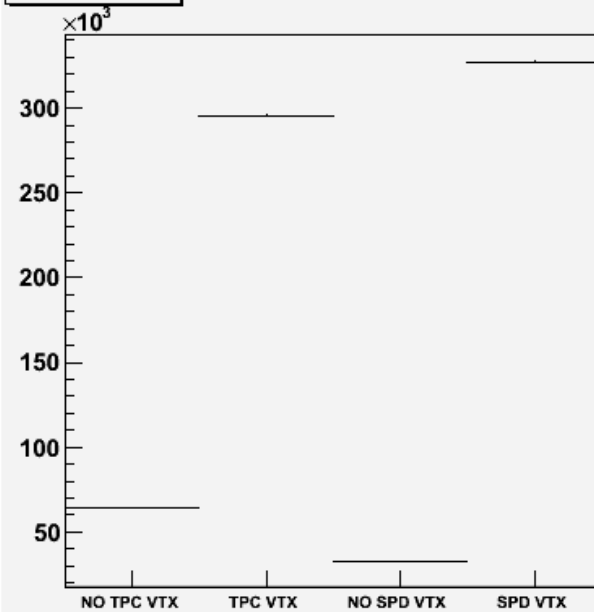
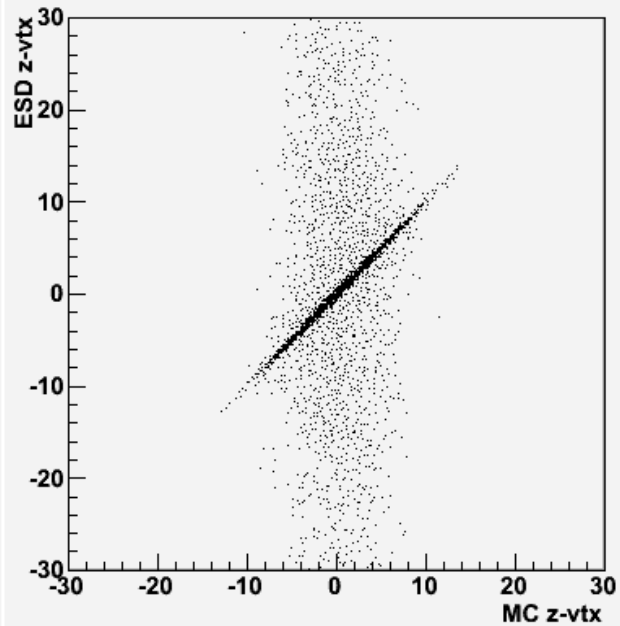
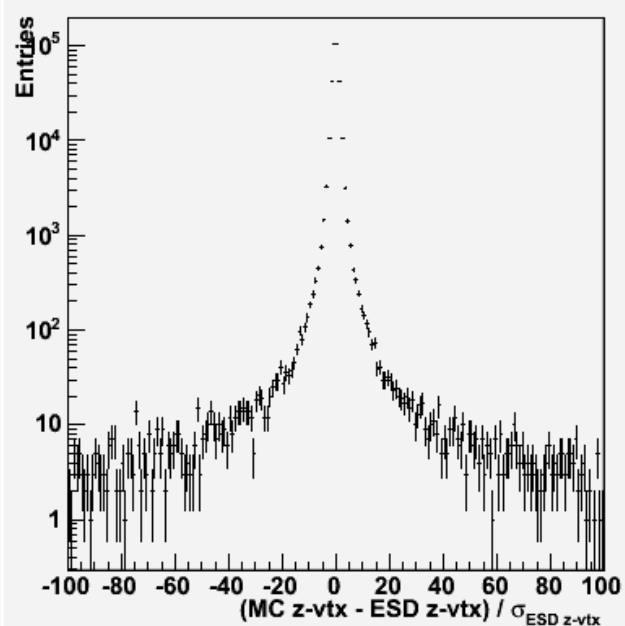
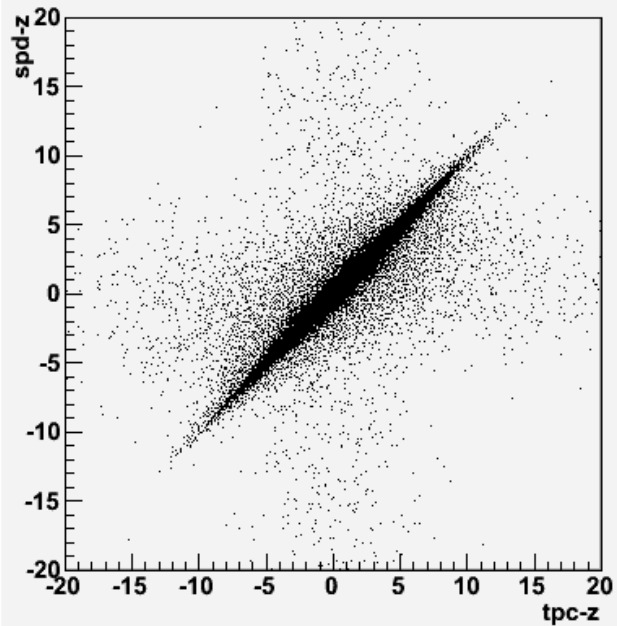


**Multiple reconstructed tracks**

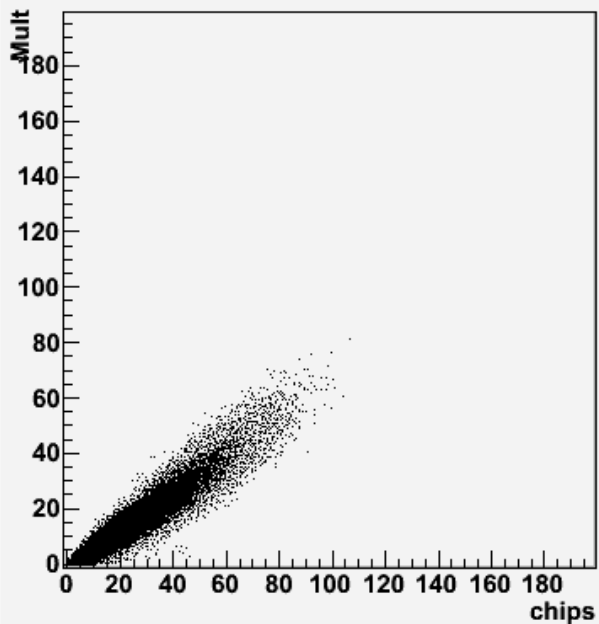


**Number of clusters for suspicious tracks**

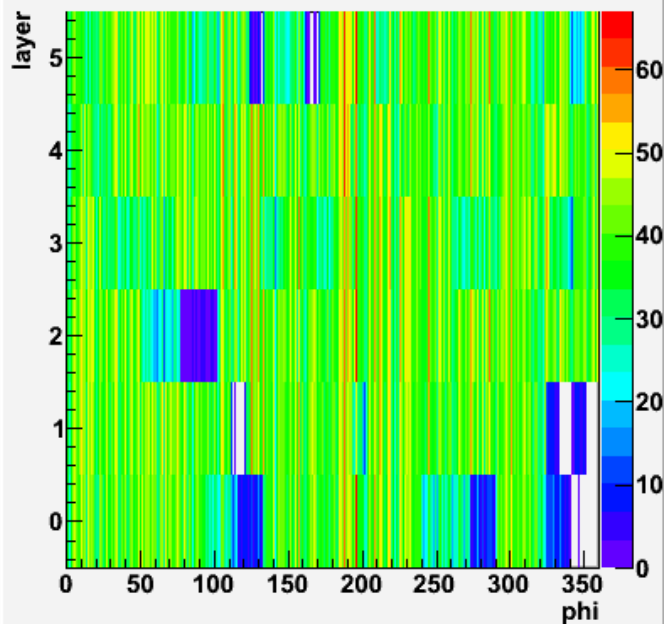


**VertexCorrelation TPC****VertexShiftNorm TPC****VtxEff TPC****VertexCorrelation SPD****VertexShiftNorm SPD****SPD vtx vs TPC**

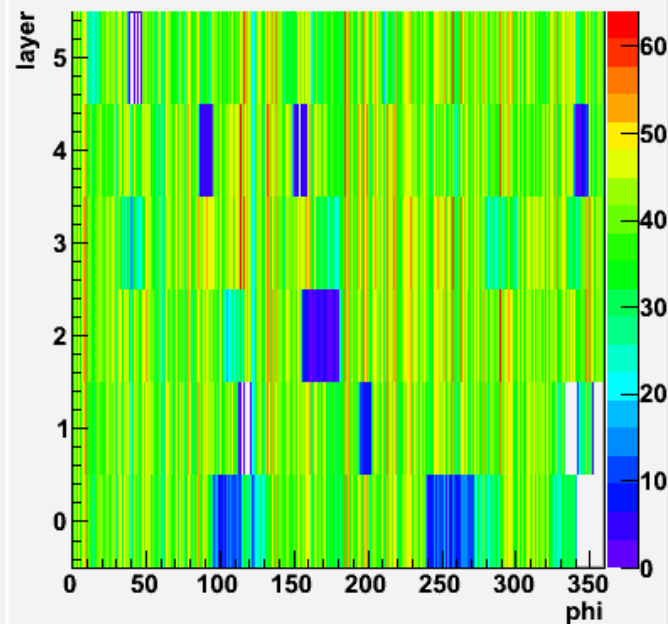
mult SPD vs chips



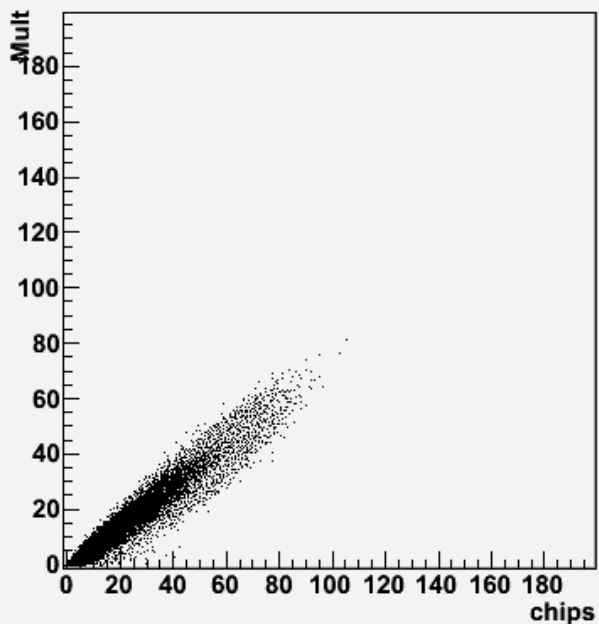
layer vs phi AC PosA



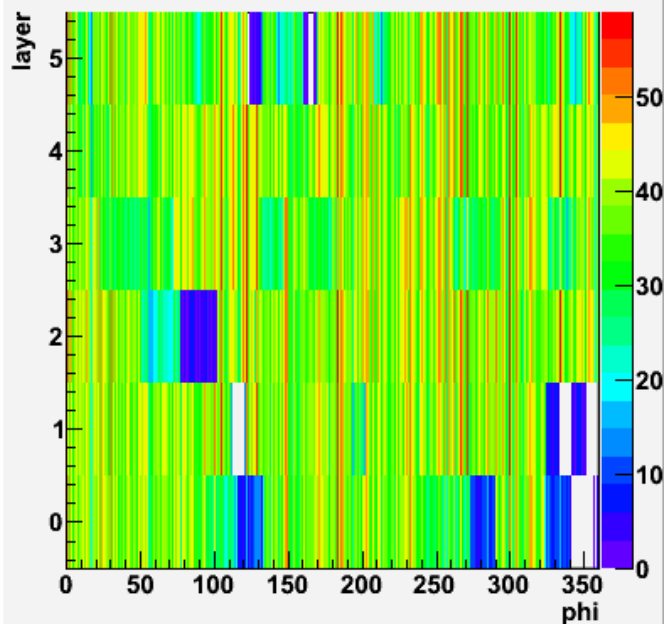
layer vs phi AC PosC



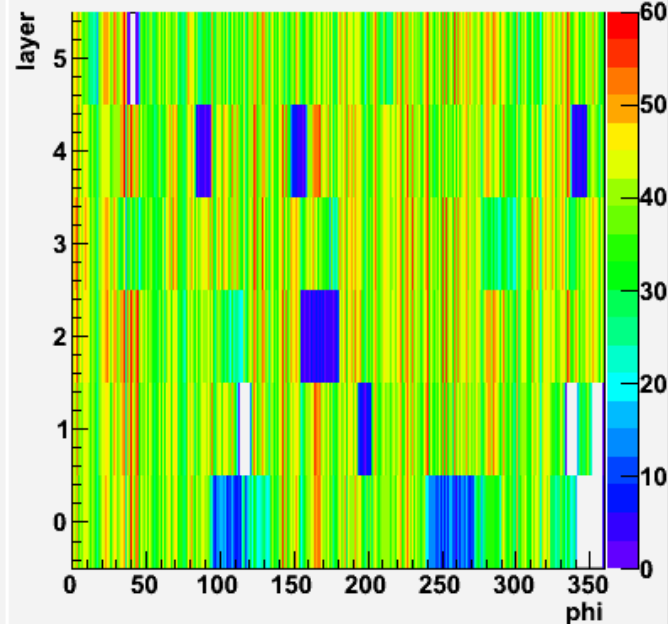
mult SPD vs chips



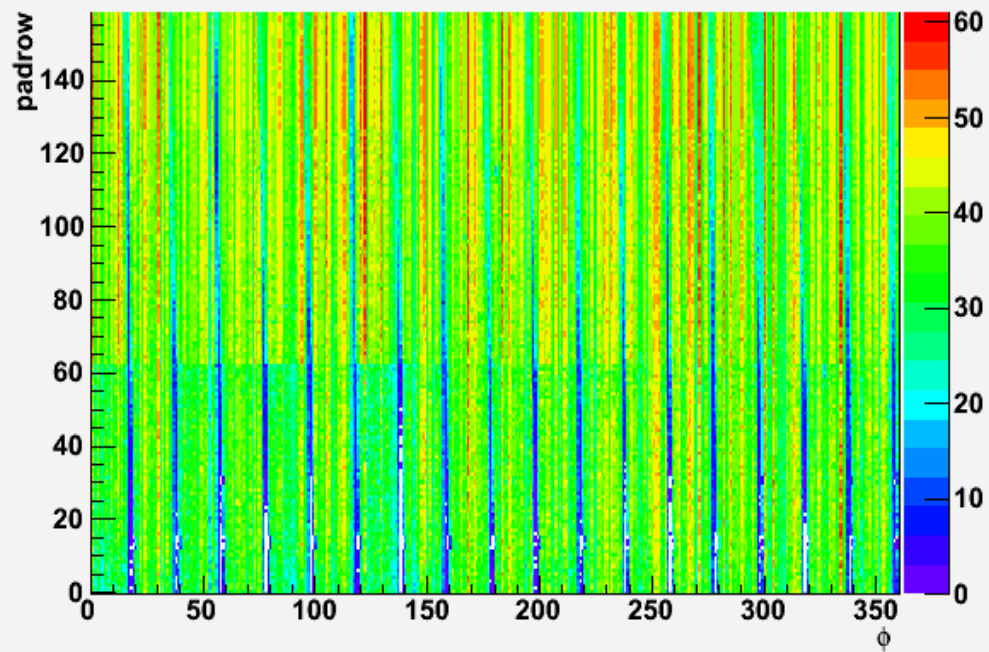
layer vs phi AC NegA



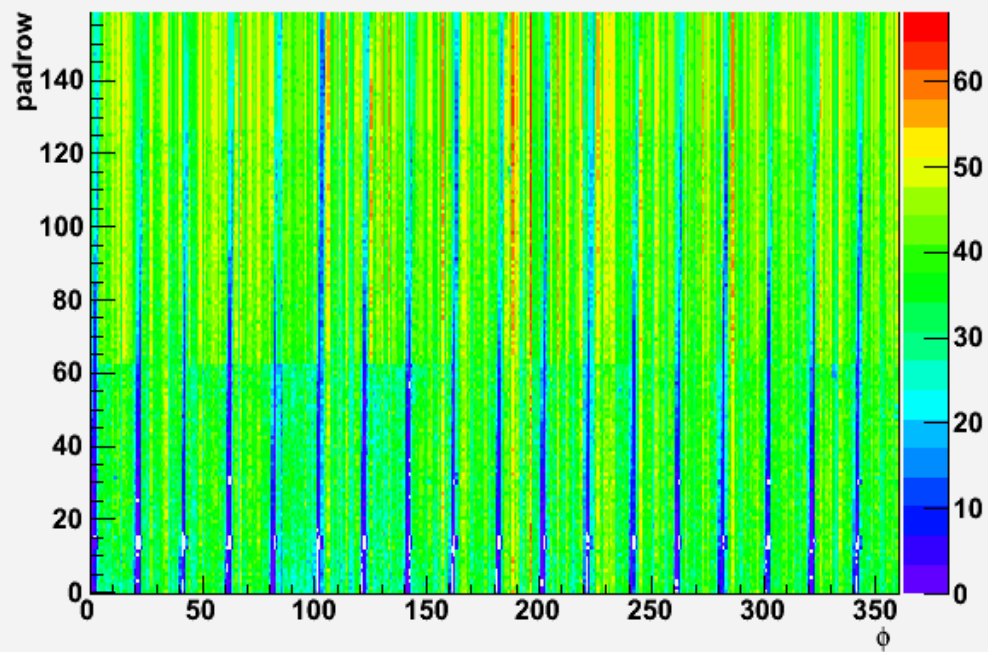
layer vs phi AC NegC



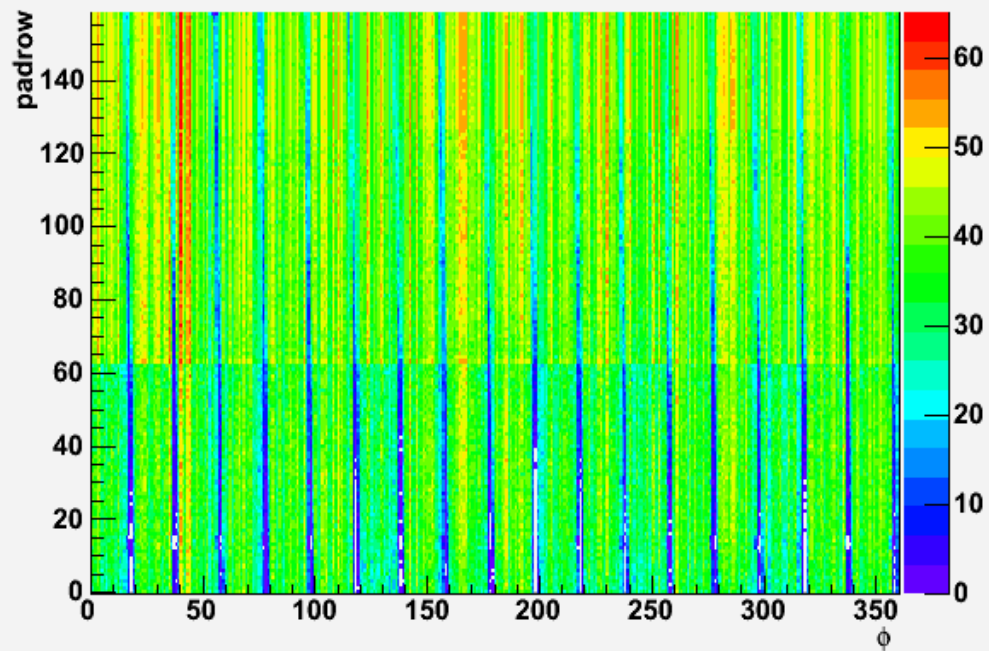
Padrow vs phi AC NegA



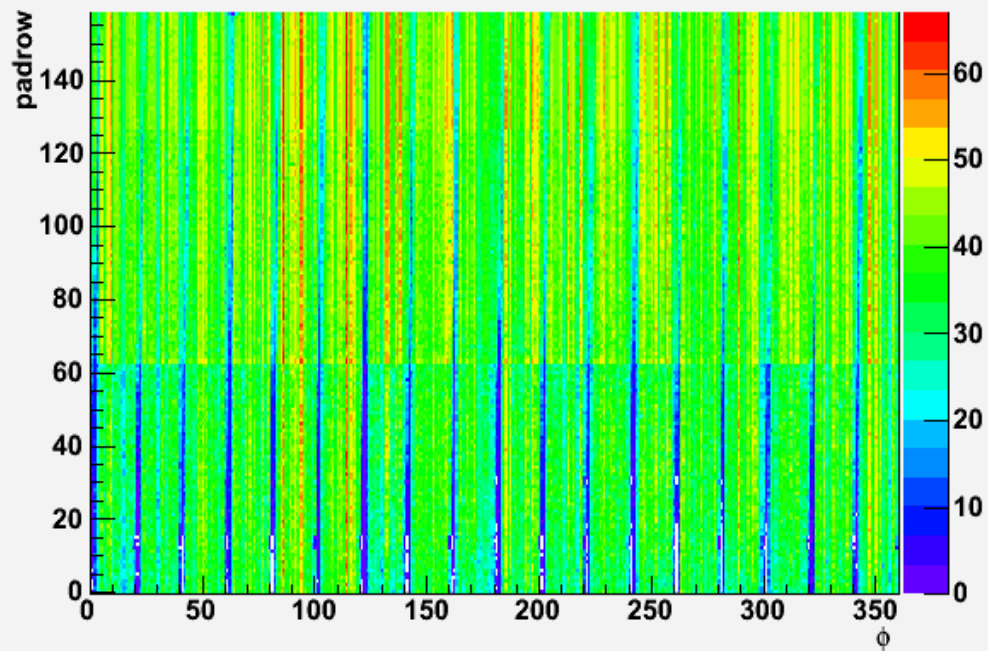
Padrow vs phi AC PosA



Padrow vs phi AC NegC



Padrow vs phi AC PosC





# $\Delta\Phi$ of tracklet

