For Hal

Here is something that I have on hand that shows the comparison Between Cross Ratio Asymmetry and the 1 paramerer fit to A vs Cos(Phi)

Each slide represents a pseudorapidity bin of width .1 from 2.7 to 4.0 Upper left frame :

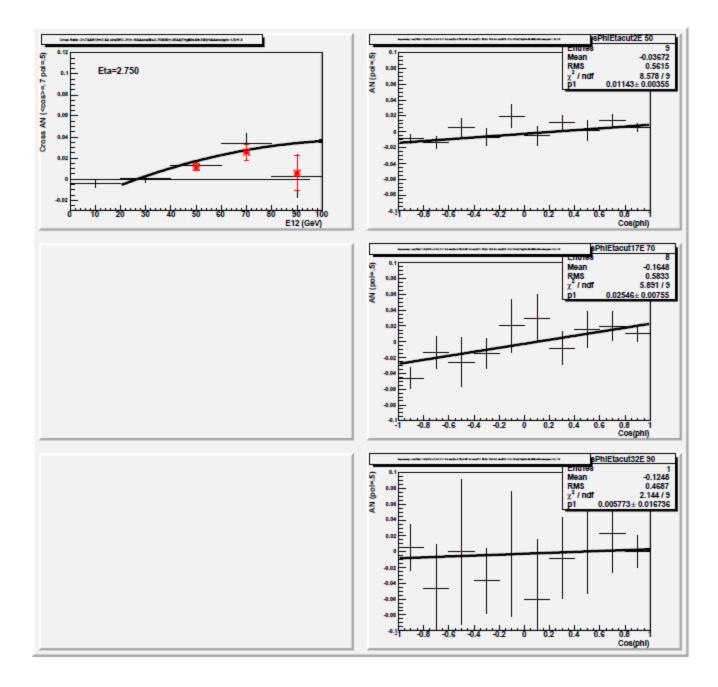
Curve the fit to average over rapidity

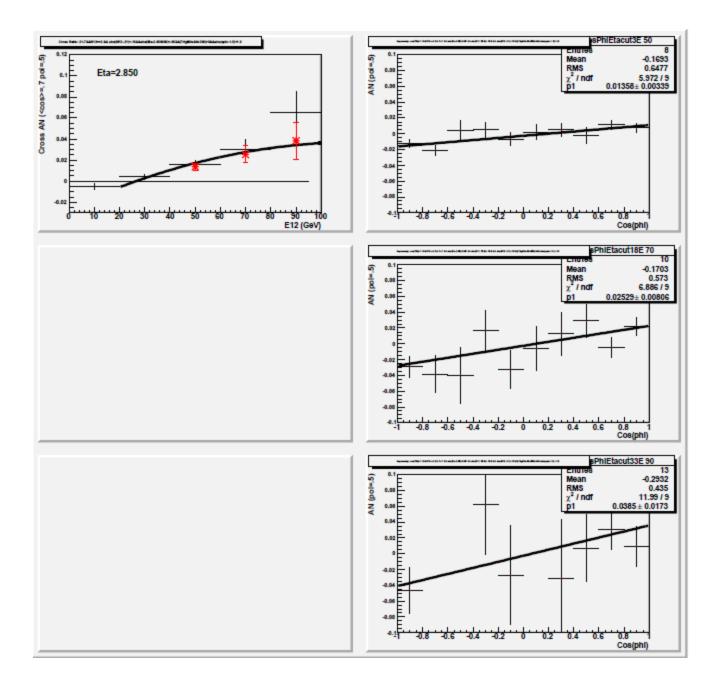
Black Points are from Cross Ratio

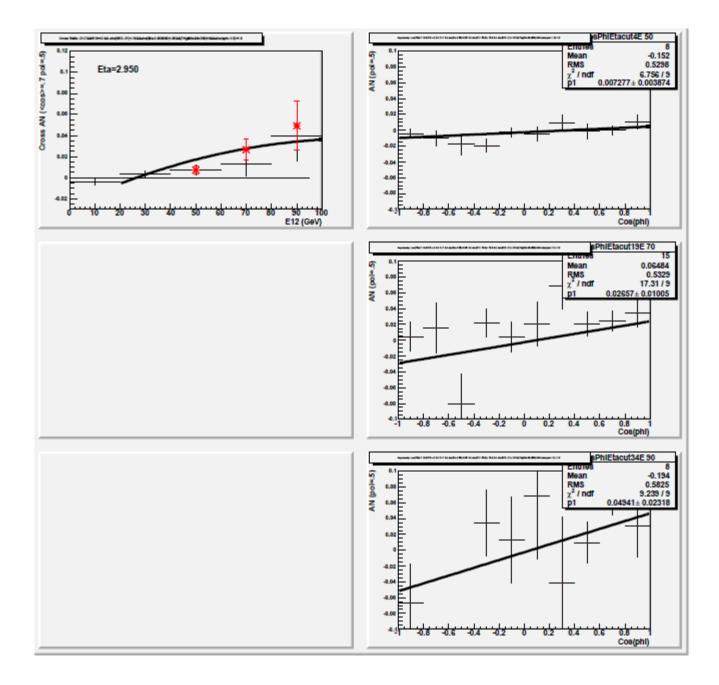
Red are the slopes of the three A vs Cos(Phi) plots.

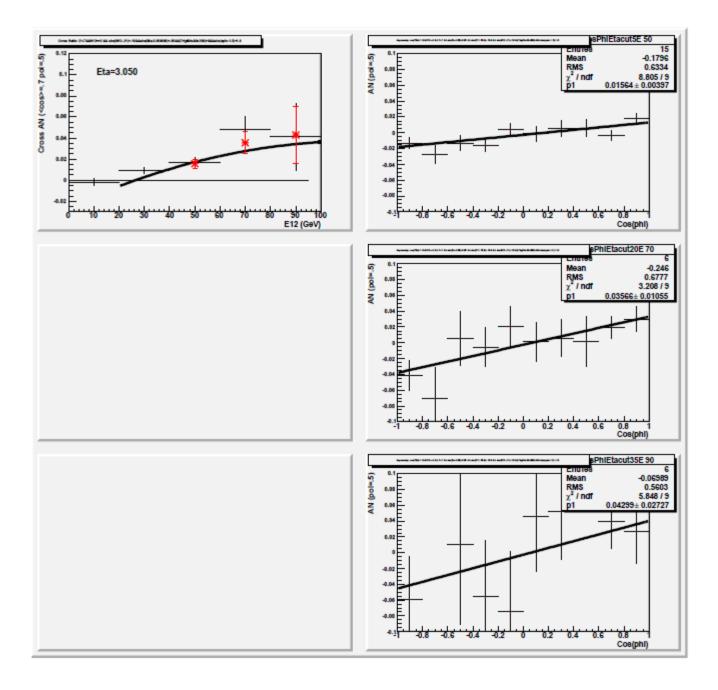
Right frames: Upper 40<Epi0<60 Middel 60<Epi0<80 Lower 80<Epi0<100

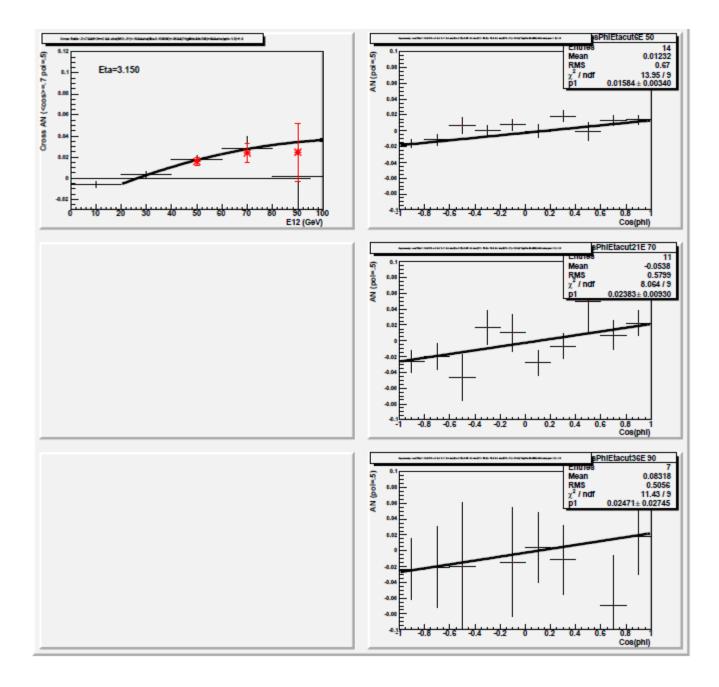
In the last frame, Eta=3.95 ; 80<Epi0<100 we see an problem in the cross ratio where on bad point at Cos(phi)=

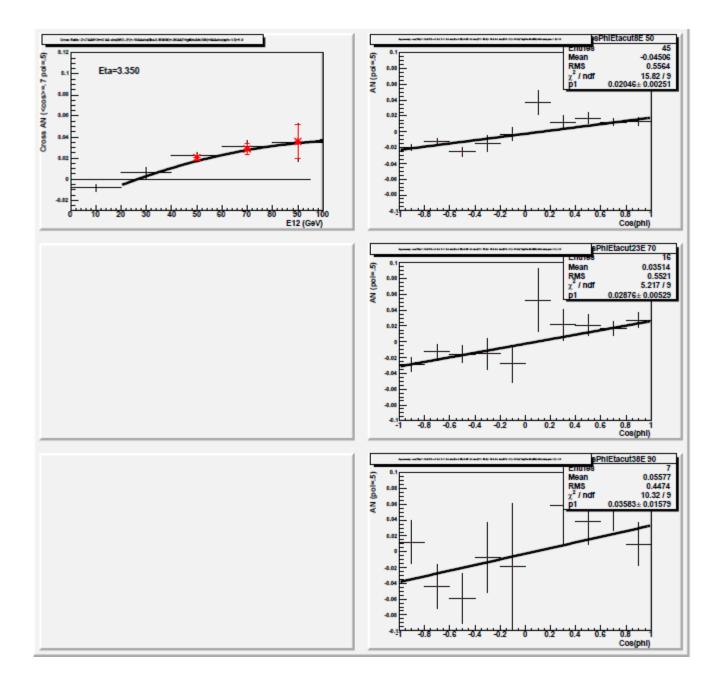


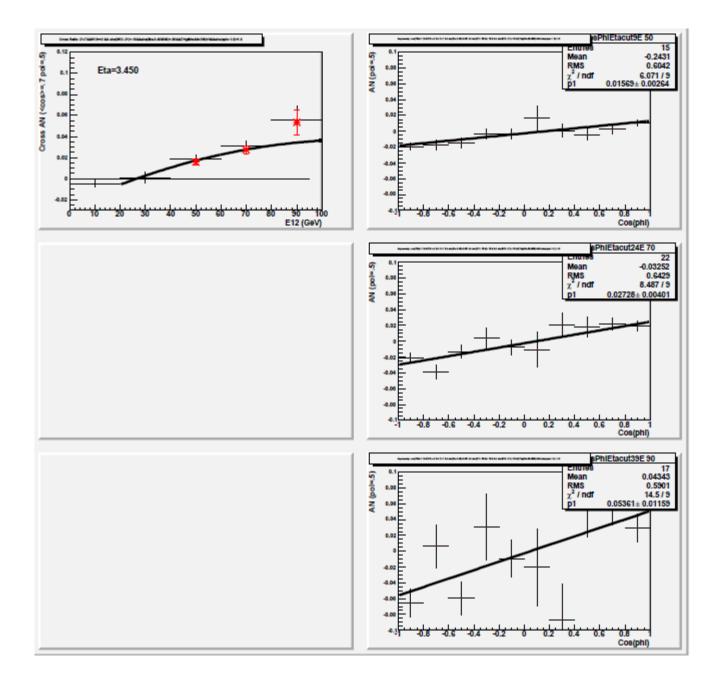


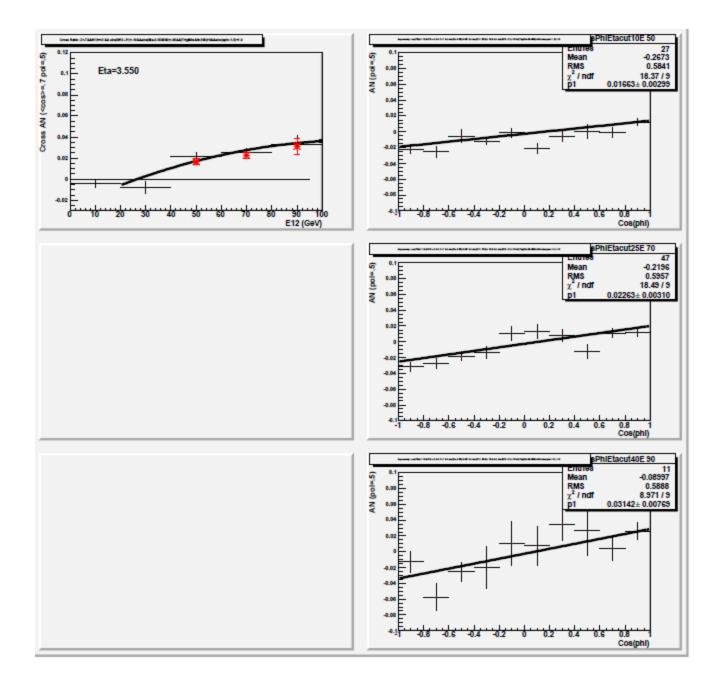


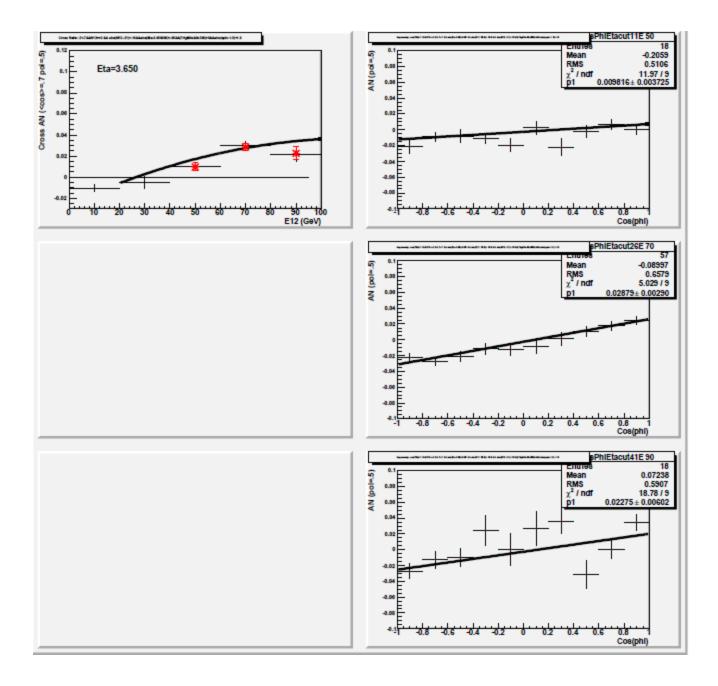


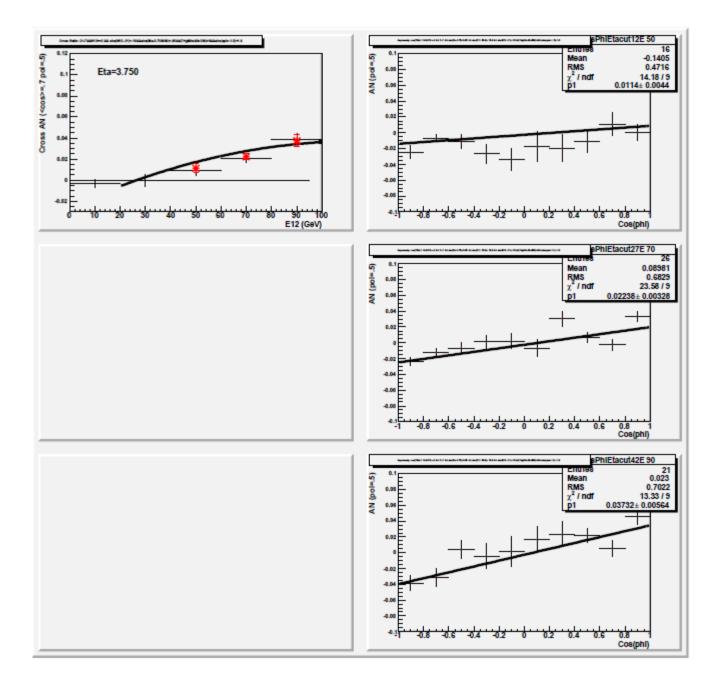


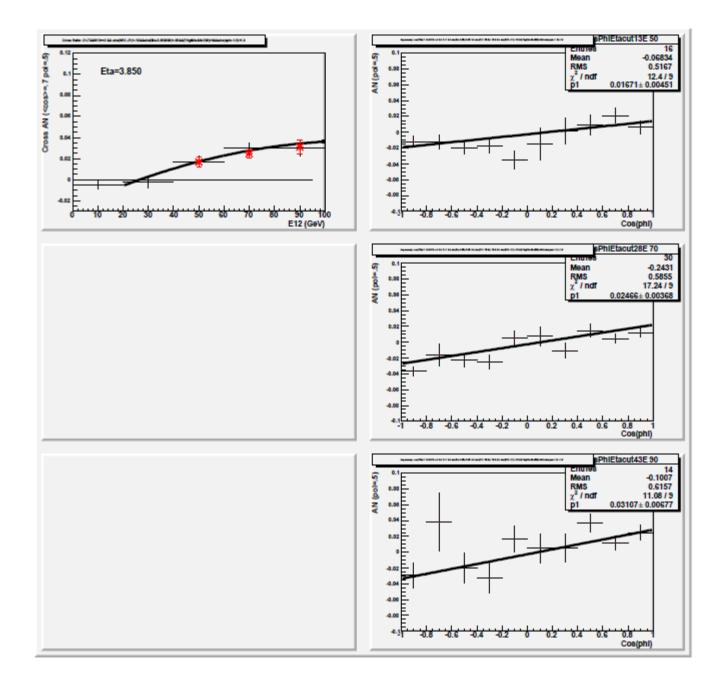




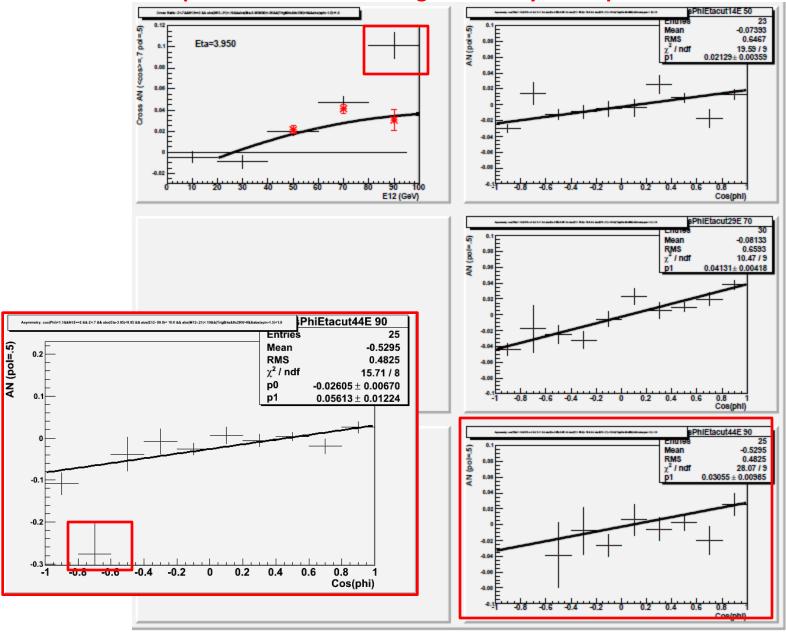




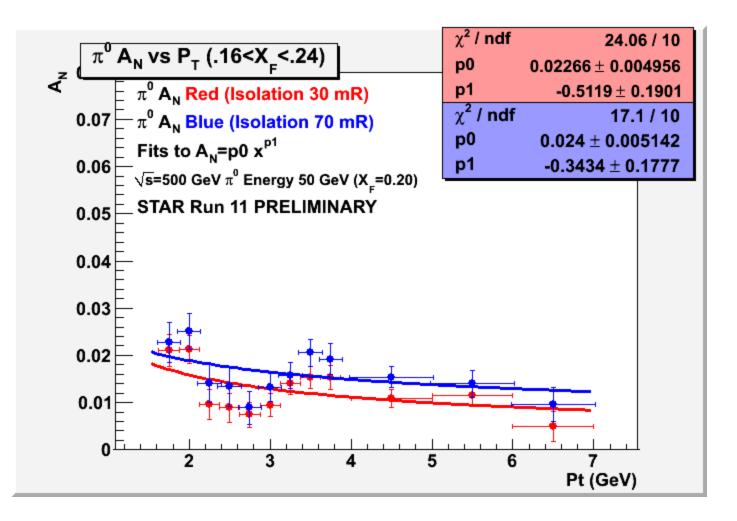




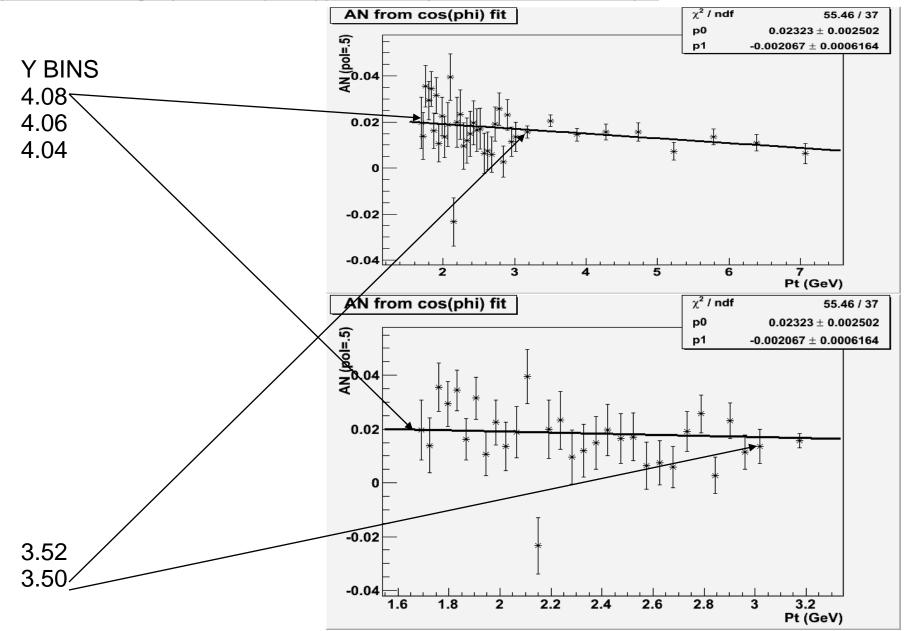
Here is an example of a cross ratio brought down by 1 bad point



Now I will show some of the underlying plots for data in the 1.6<Pt<3.4 Gev region.



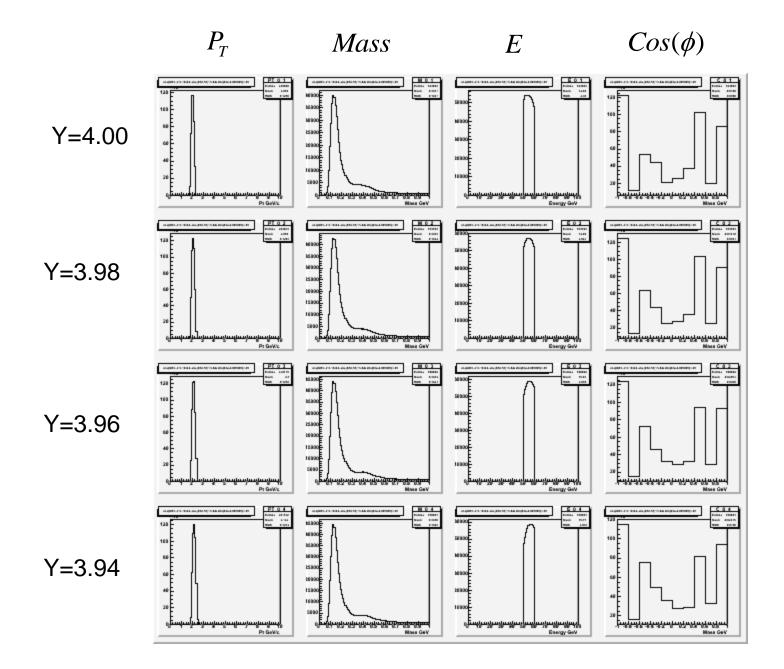
Details of fits for these points: This link is to a pdf showing the fits to Cos(Phi) at each of 3 energies (50,70,90 GeV). The Slopes are shown as a function of Pt(nominal Pt for bin) in the fourth (lower left pane). http://www.star.bnl.gov/protected/spin/heppelmann/May12/AN_Fits_ETA_BINS.pdf

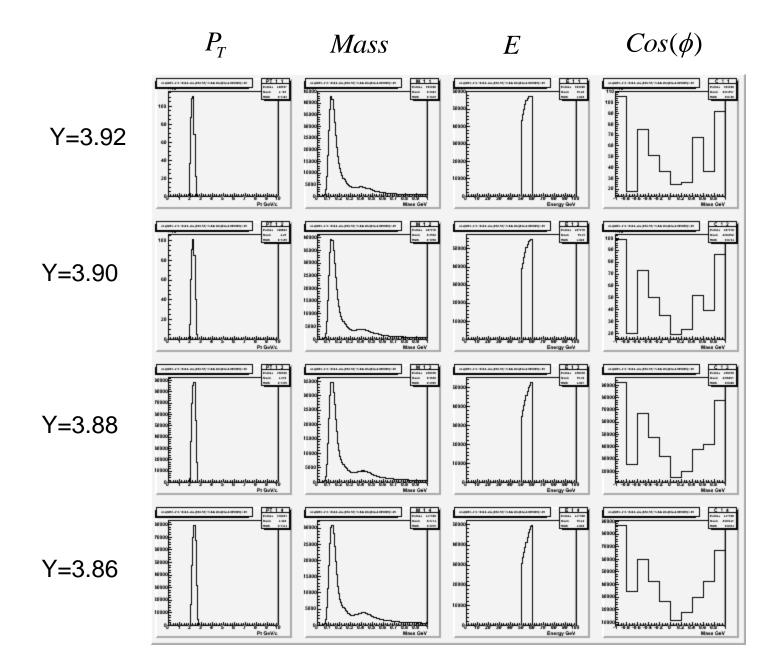


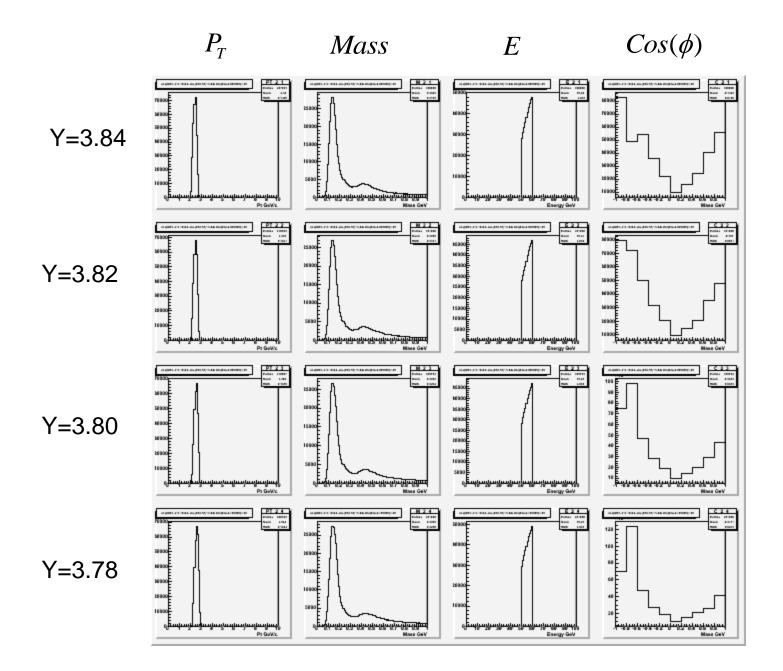
Link to Higher Resolution PT,M,E,Phi plots.

The plots on the following page are presented to indicate the quality of the data in different slices of pseudorapidity for energies 50-60 GeV and pseudorapidity from 3.5 to 4.0.

This covers the Pt range (from 1.6 GeV/c to 3.5) that we were talking about Thursday.



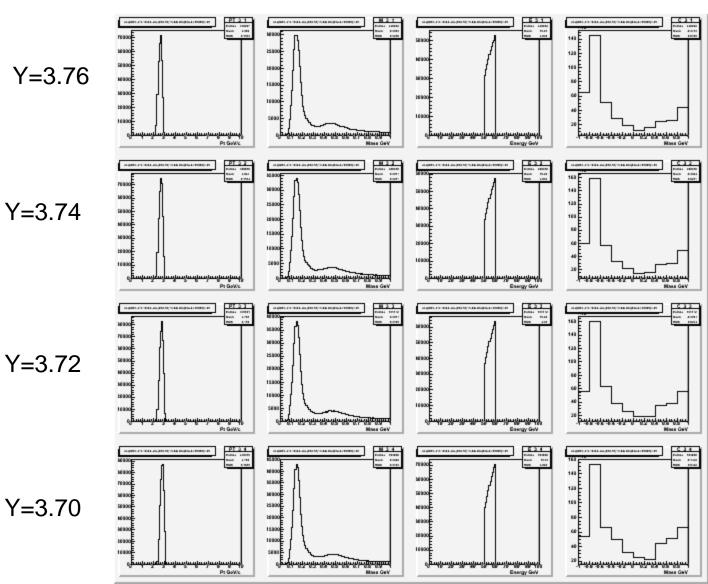


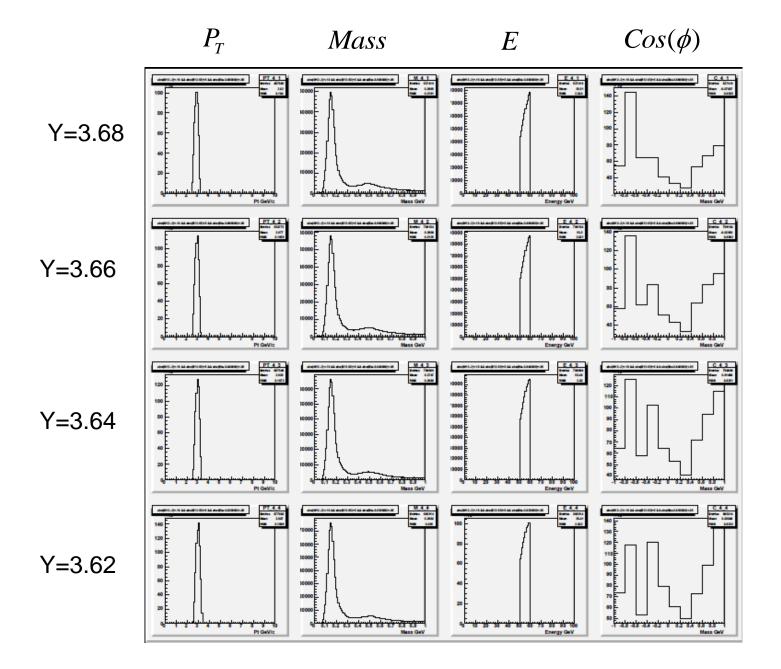


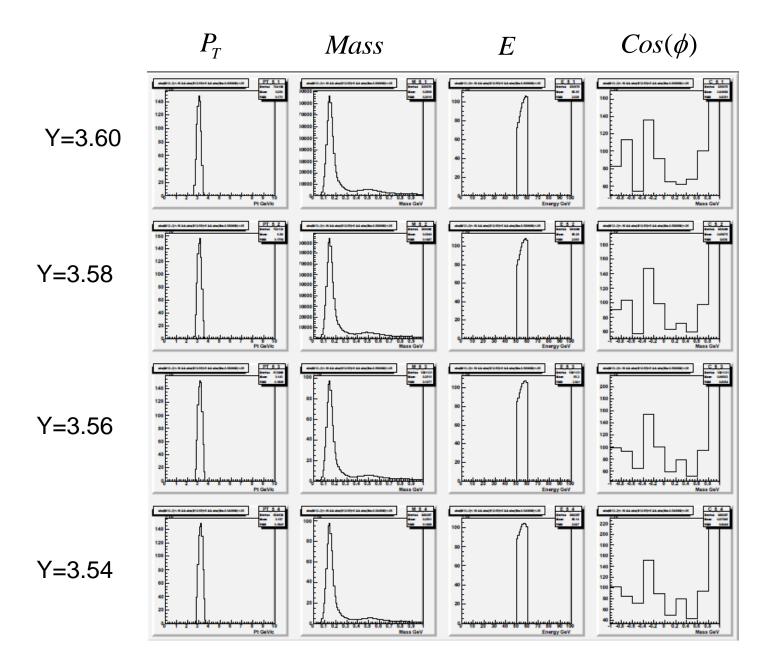




 $Cos(\phi)$











 $Cos(\phi)$

