

X(2000) production

NO hadronic interactions
NO decays

$$\begin{aligned}\gamma p &\rightarrow X^0(2000) p \\ &\rightarrow b_1(1235)\pi^- \\ &\quad \rightarrow \omega\pi^+ \\ &\quad \quad \rightarrow \pi^0(\pi^+\pi^-) \\ &\quad \quad \quad \rightarrow \gamma\gamma\end{aligned}$$

genr8 :

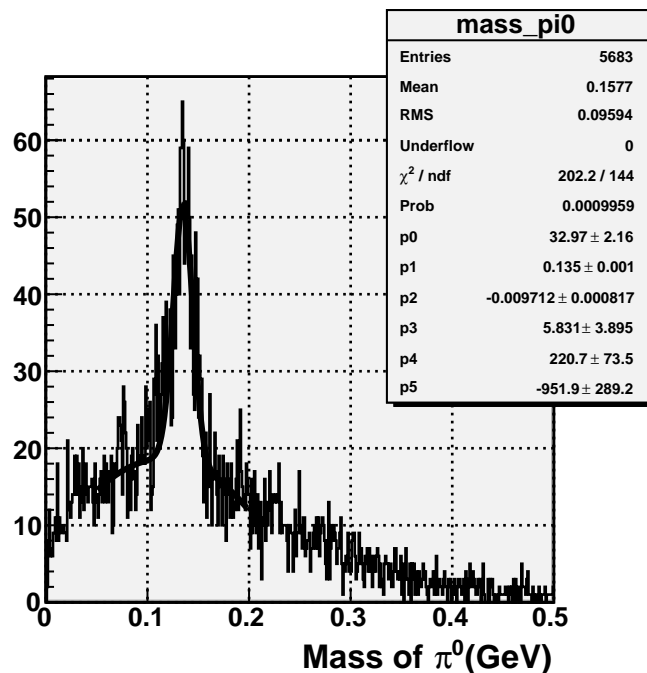
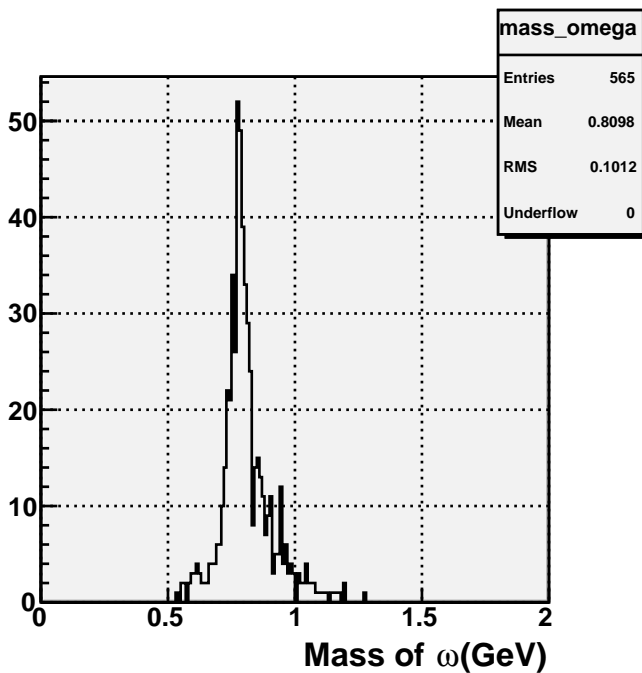
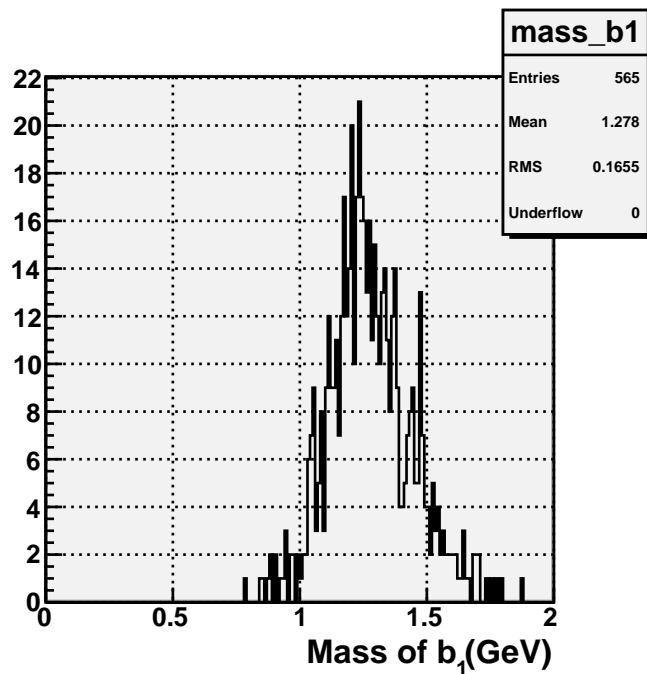
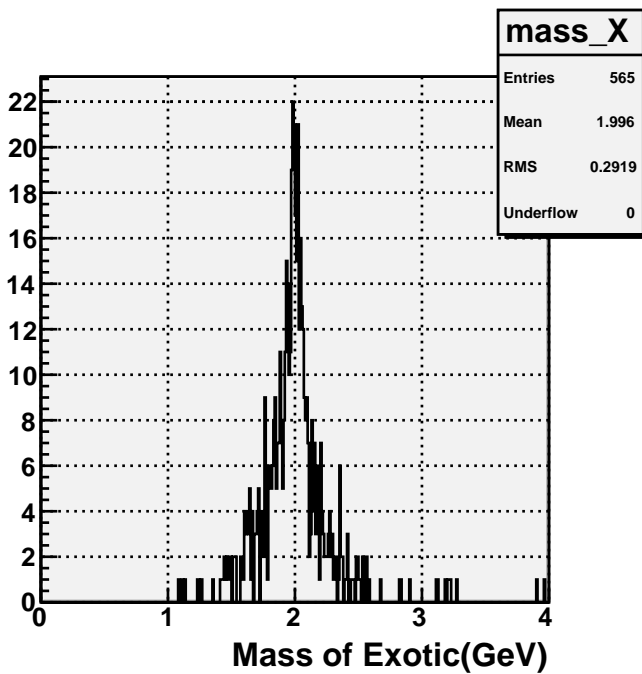
$$E_\gamma = 9\text{GeV}$$

$$b = 5\text{GeV}^{-2}$$

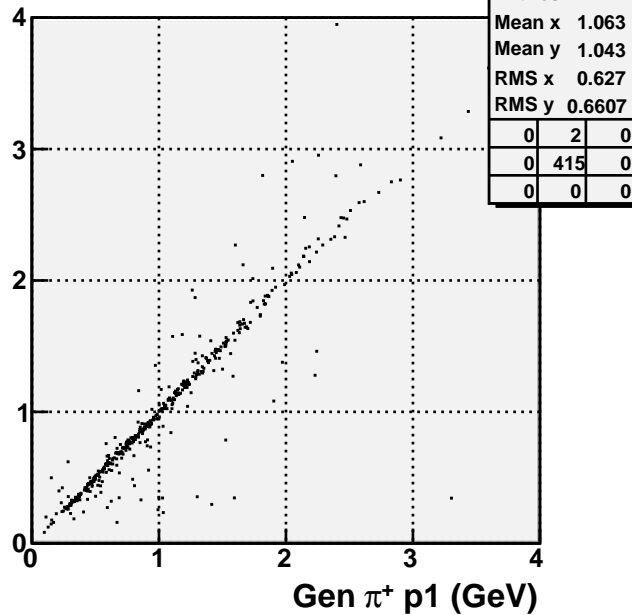
$$\gamma p \rightarrow 2\pi^+ 2\pi^- \gamma\gamma p$$

Nominal reconstruction "out of the box" for charged particles

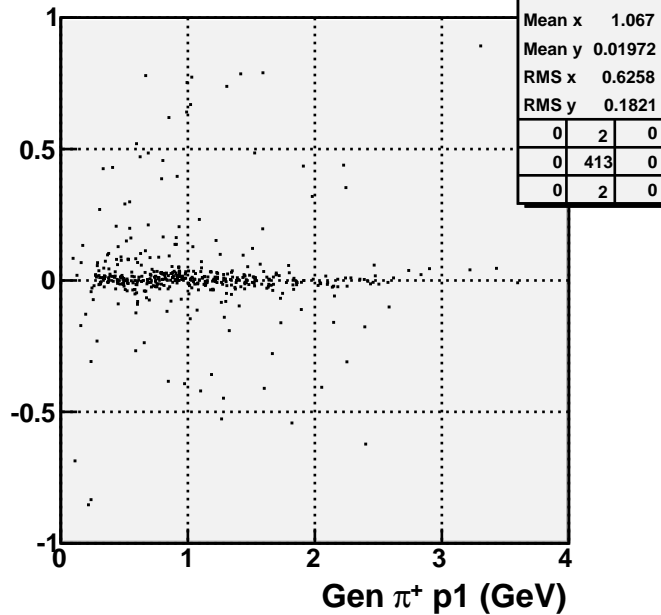
Reconstruction of showers includes merging code in Fcal from David



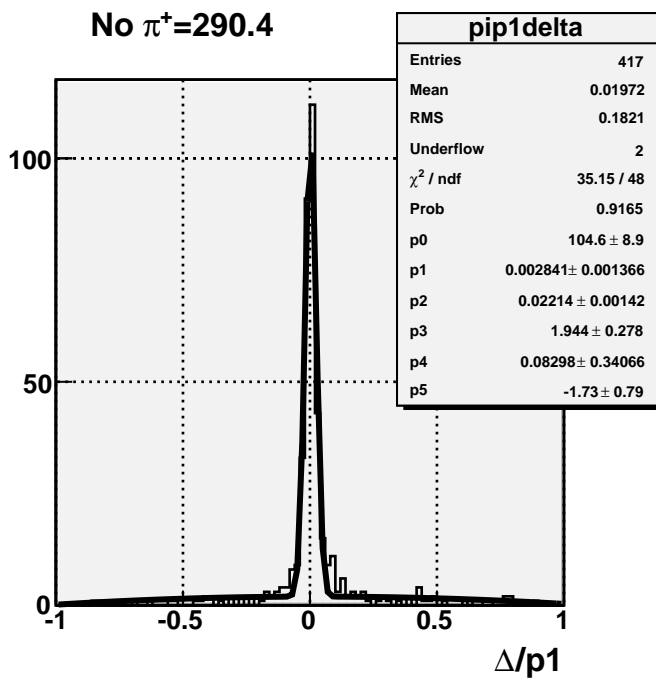
Recons π^+ p1 (GeV)



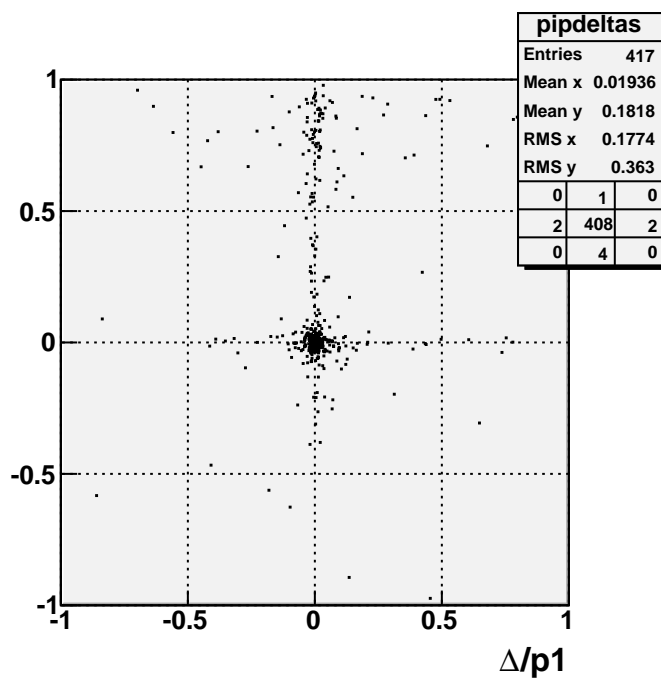
$\Delta/p1$



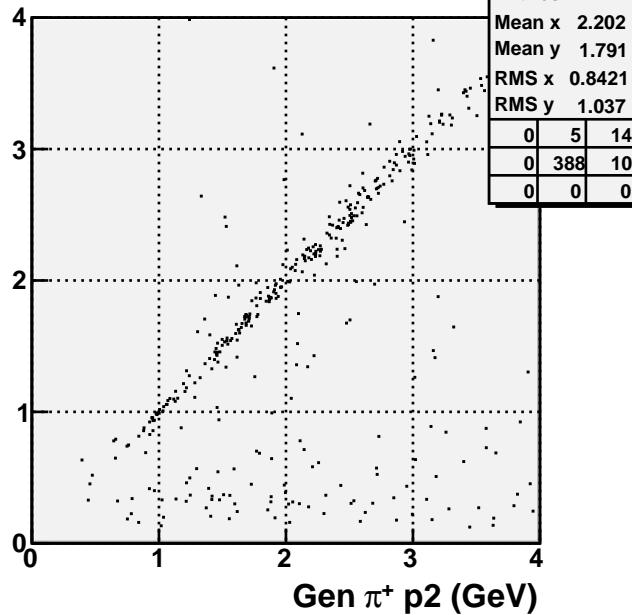
No π^+ =290.4



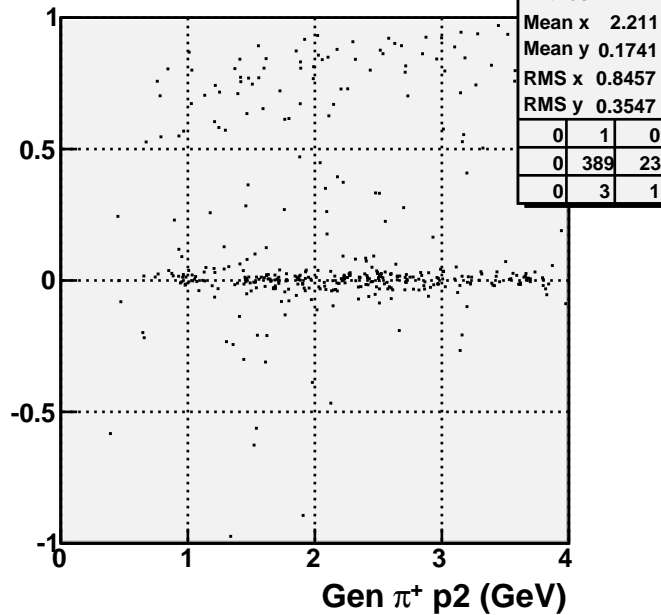
$\Delta/p2$



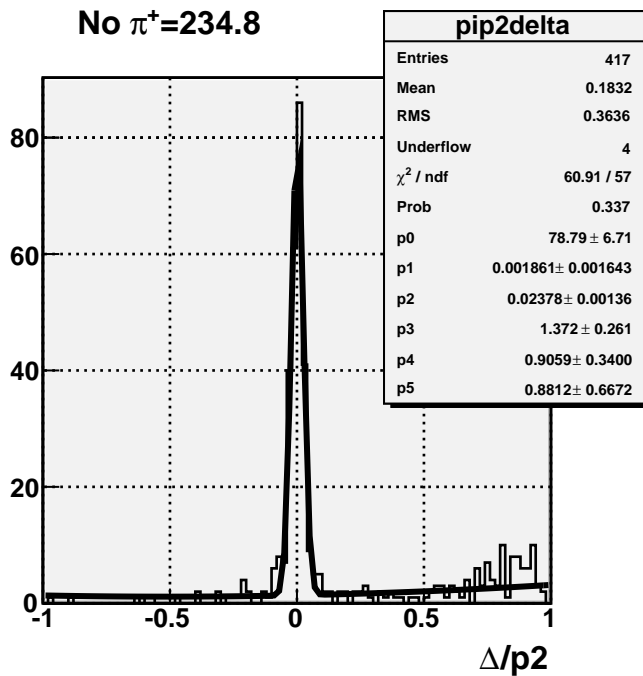
Recons π^+ p2 (GeV)



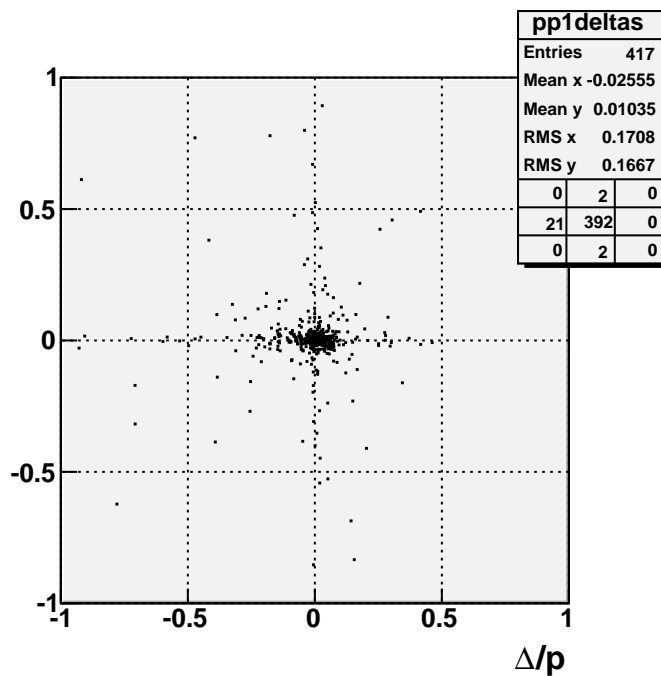
$\Delta/p2$



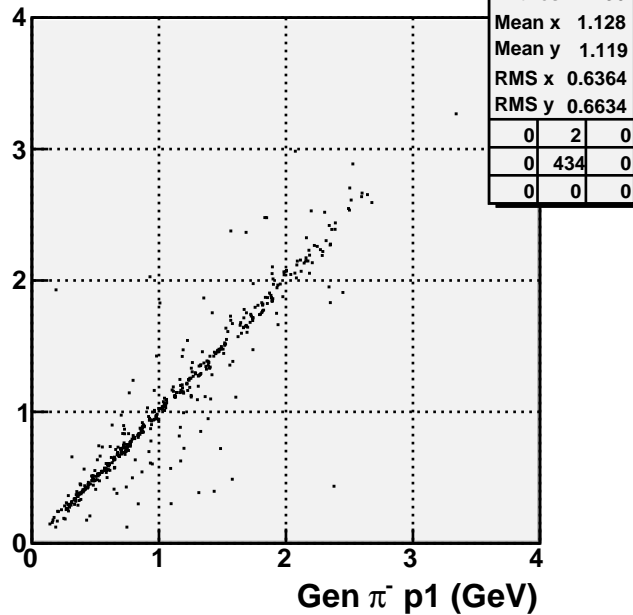
No π^+ =234.8



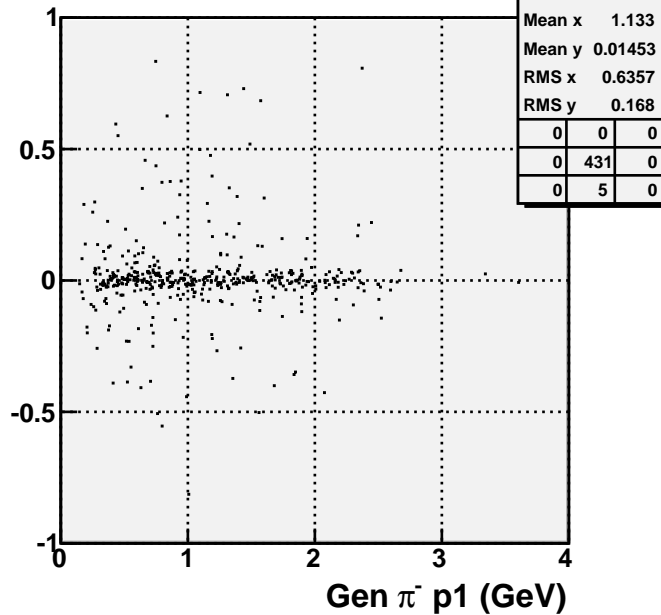
$\Delta/p1$



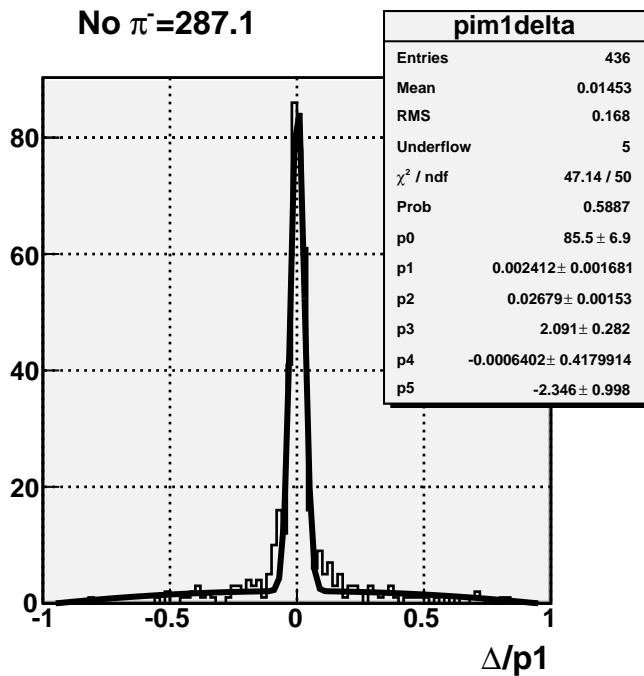
Recons π^- p1 (GeV)



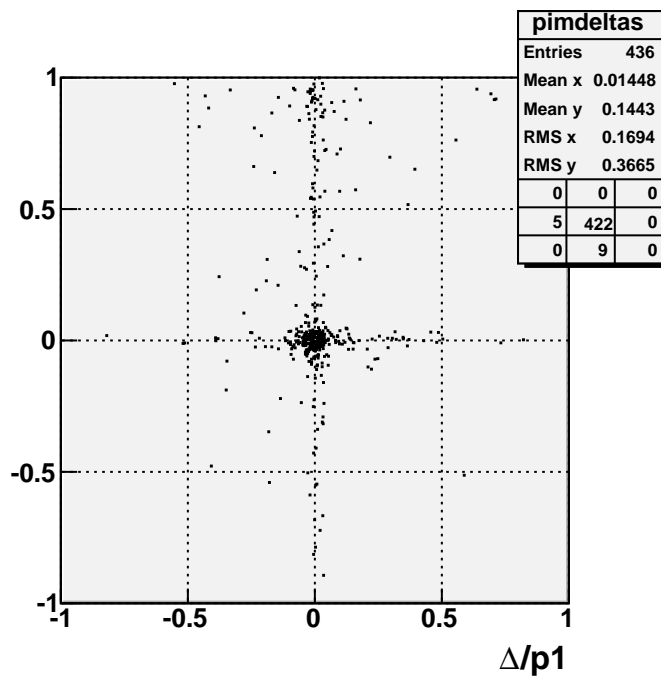
$\Delta/p1$



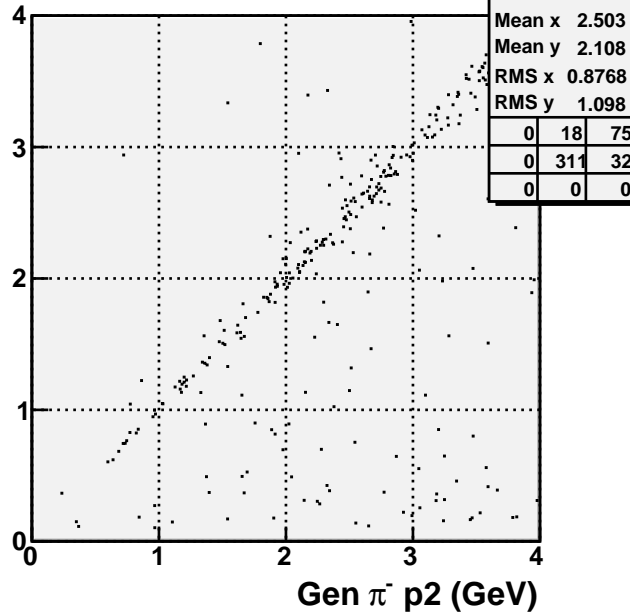
No π^- =287.1



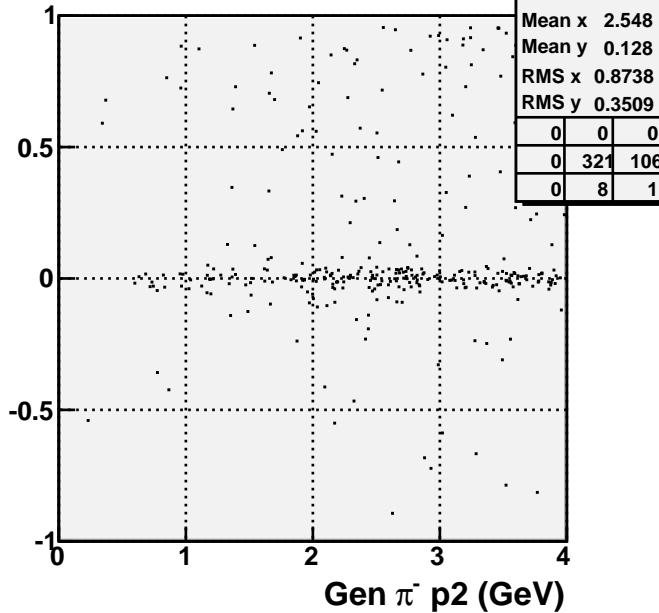
$\Delta/p2$



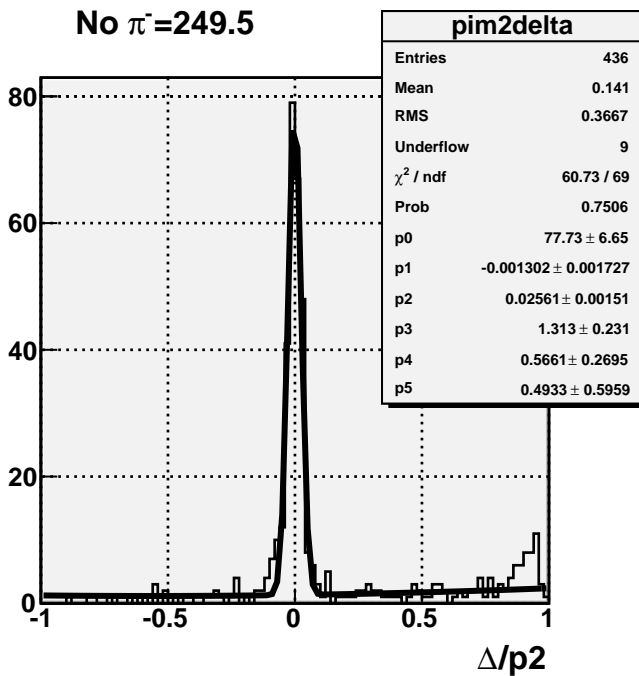
Recons π^- p2 (GeV)



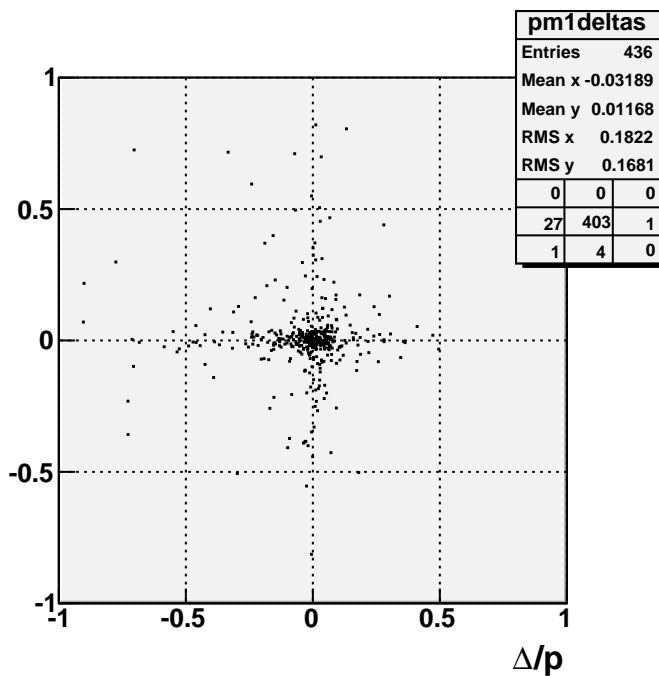
$\Delta/p2$



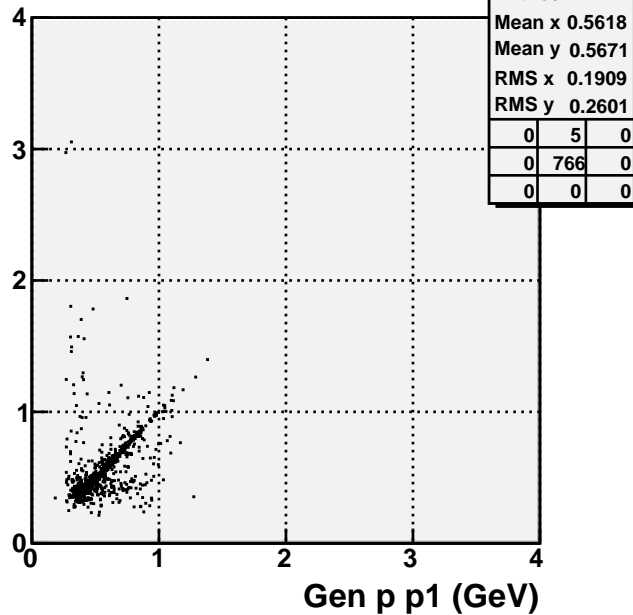
No π^- =249.5



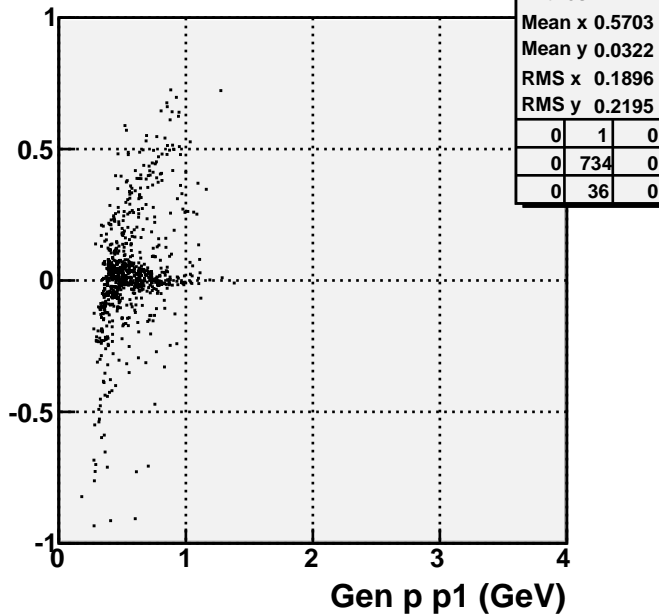
$\Delta/p1$



Recons p p1 (GeV)



$\Delta/p1$



No p=407.8

