

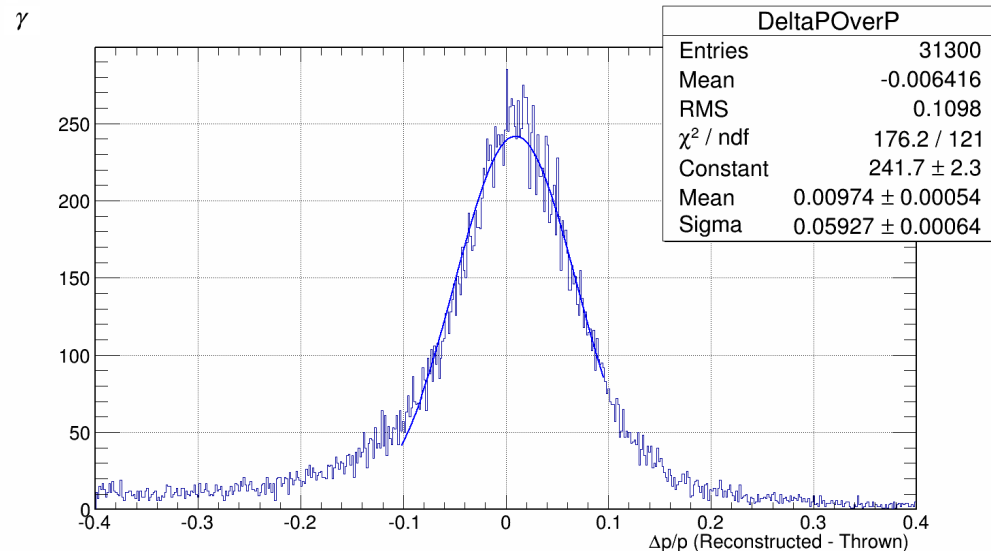
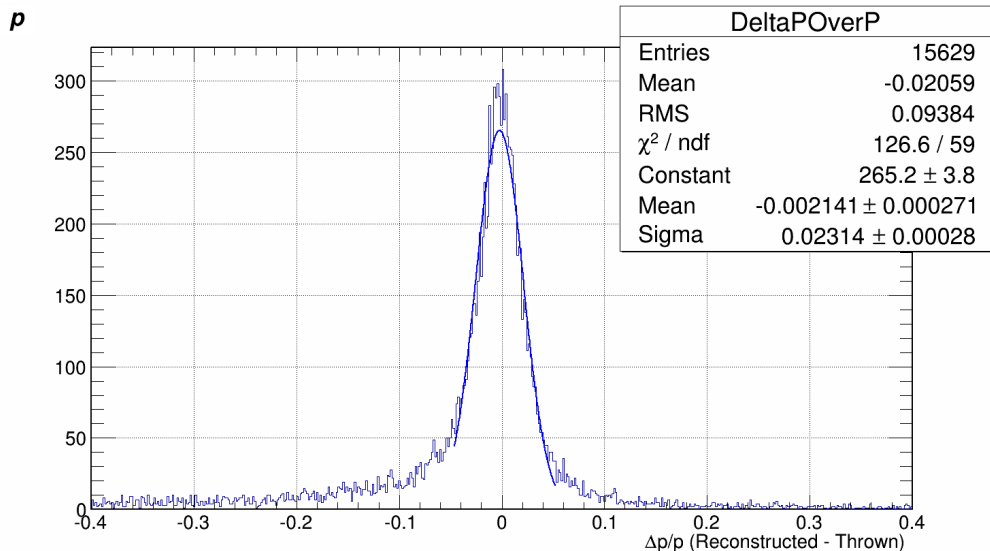
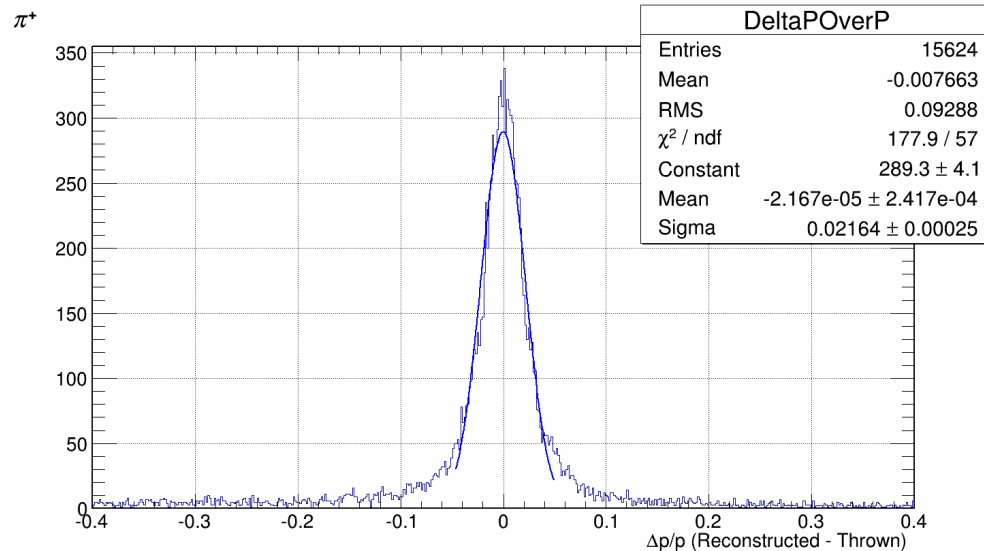
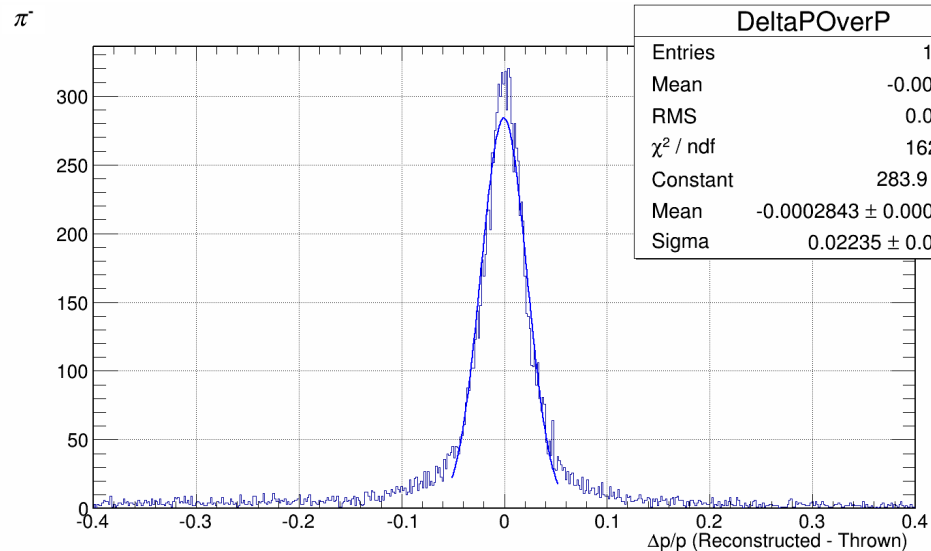
Reconstruction of phase space events with the solenoid current at 1350A

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May 19, 2014

$\gamma p \rightarrow p X(2000)$ with $X(2000) \rightarrow \pi^+ \pi^- \eta$, $\eta \rightarrow \gamma \gamma$

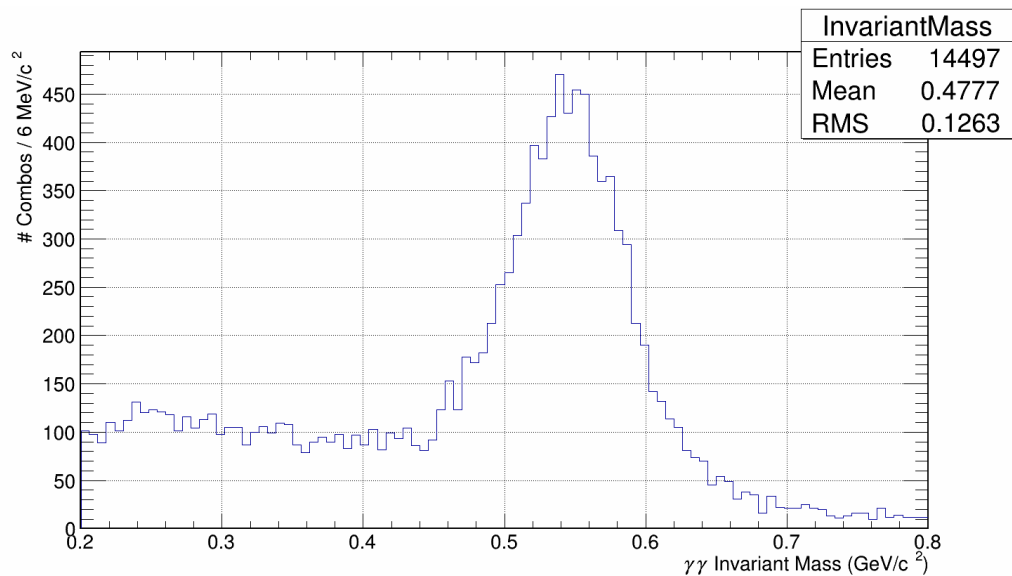
- Genr8 was used with $E_\gamma = 9 \text{ GeV}$
- t-slope of 1.5 GeV^{-2}
- 45K events were generated

Gaussian Fits for Tracking Resolution



Mass Distributions

Cuts	
CombinedPIDFOM	5 σ
CombinedTrackingFOM	3 σ
KinFitFOM	0.0



Events Generated	45k
Events Survived	9610

