

◆ For charge tracks

- $N_{good} = 4$
- $\Sigma Q_i = 0$
- $|V_r| < 1 \text{ cm}, |V_z| < 10 \text{ cm}$
- Polar angle $|\cos\theta| < 0.93$

◆ For good photons

- TDC time requirement :
 $0 \leq t \leq 14 \text{ (50ns)}$
- $\theta_{\gamma,charge} \geq 10^\circ$
- $N_\gamma \geq 1$
- $E > 25 \text{ MeV}$ for barrel EMC ($|\cos\theta| < 0.8$)
 $E > 50 \text{ MeV}$ for endcap EMC
($0.86 < |\cos\theta| < 0.92$)

◆ PID

- For K :

$$\begin{aligned} \text{Prob}(K) &> \text{Prob}(\pi) \\ \text{Prob}(K) &> \text{Prob}(p) \end{aligned}$$

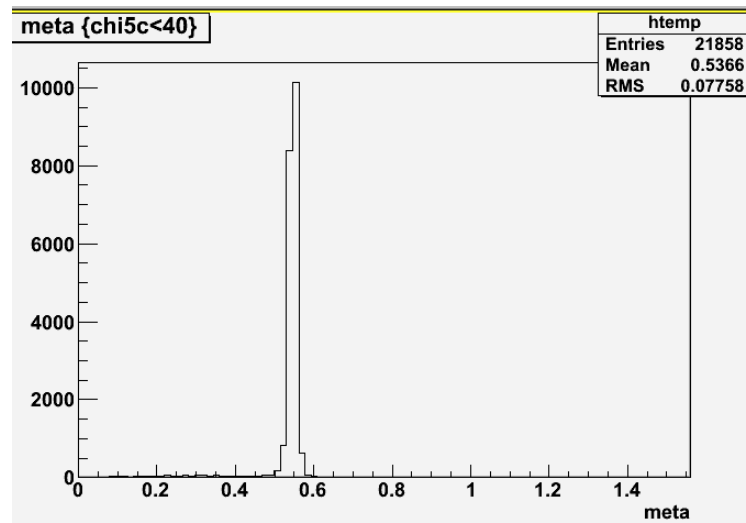
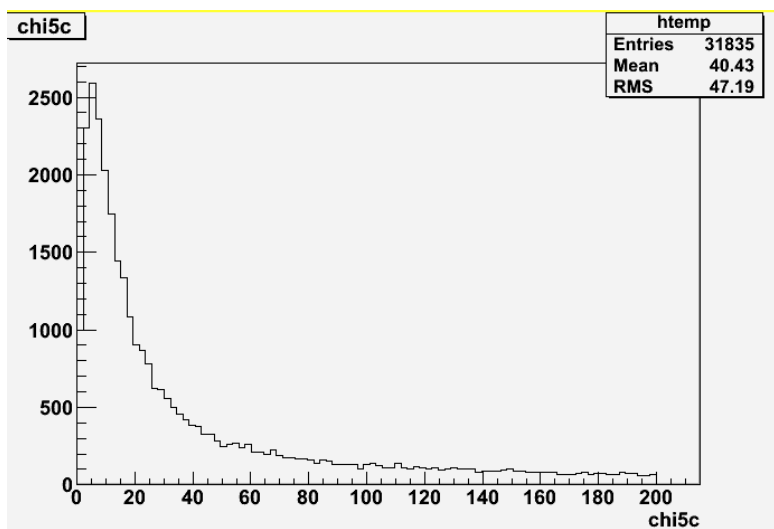
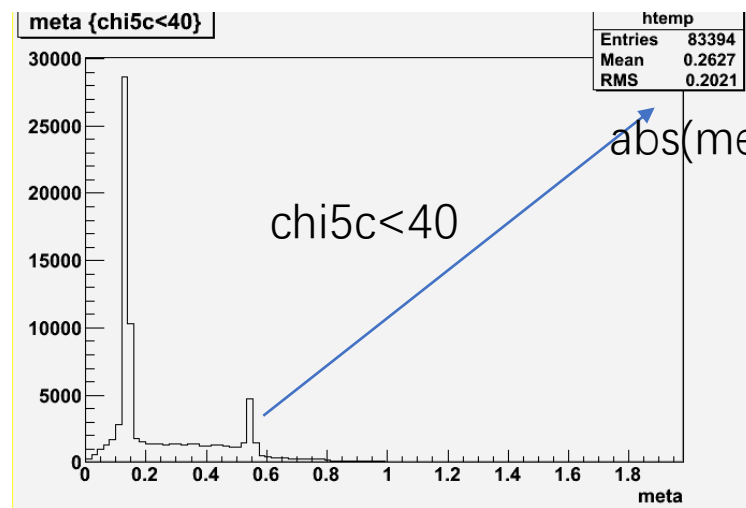
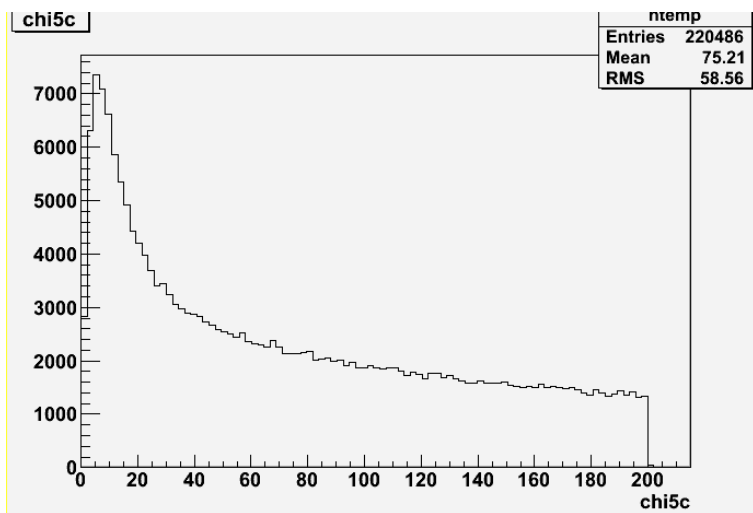
- For π :

$$\begin{aligned} \text{Prob}(\pi) &> \text{Prob}(K) \\ \text{Prob}(\pi) &> \text{Prob}(p) \end{aligned}$$

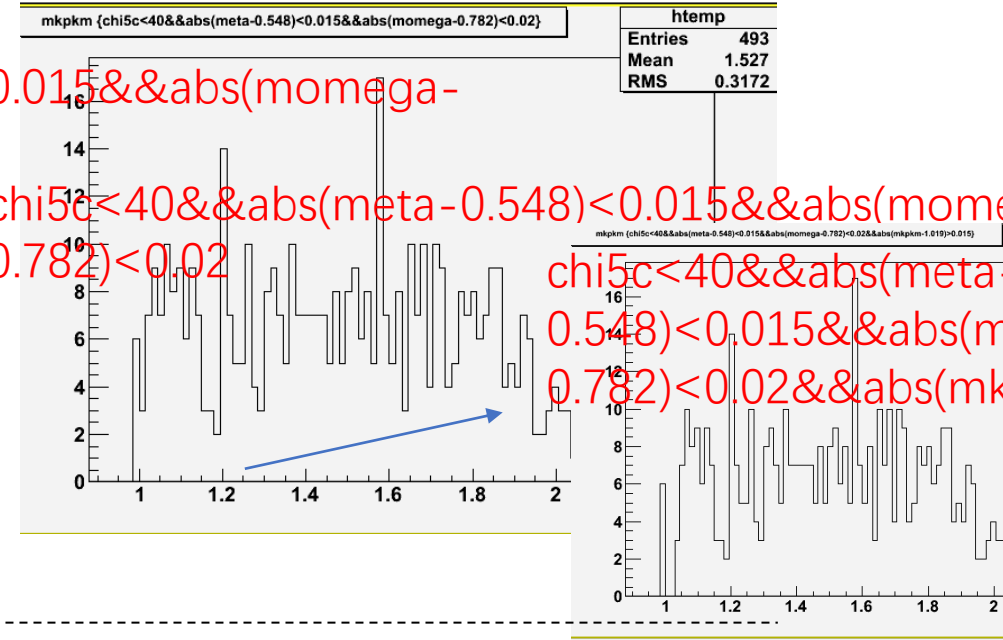
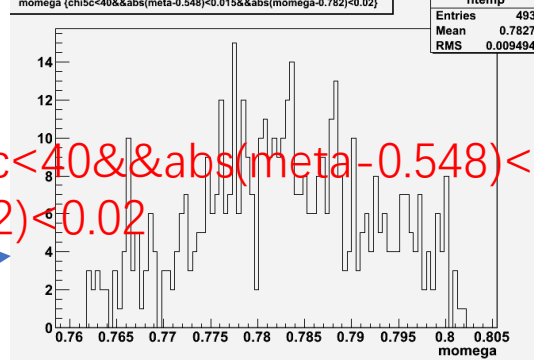
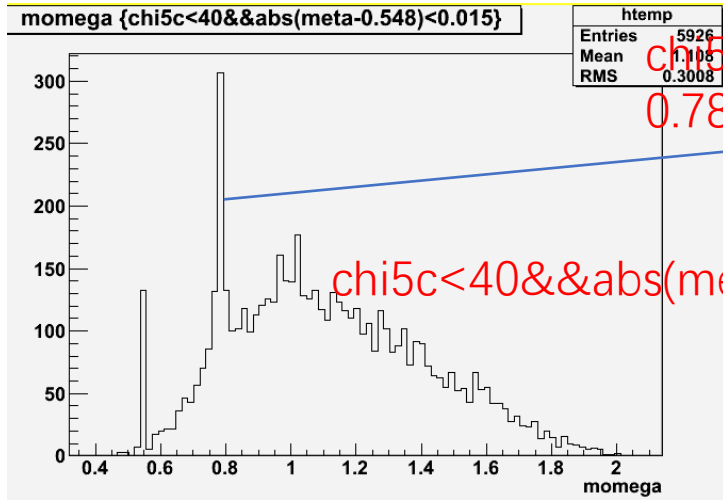
◆ Vertex fit is not performed:

◆ Kinematic fit

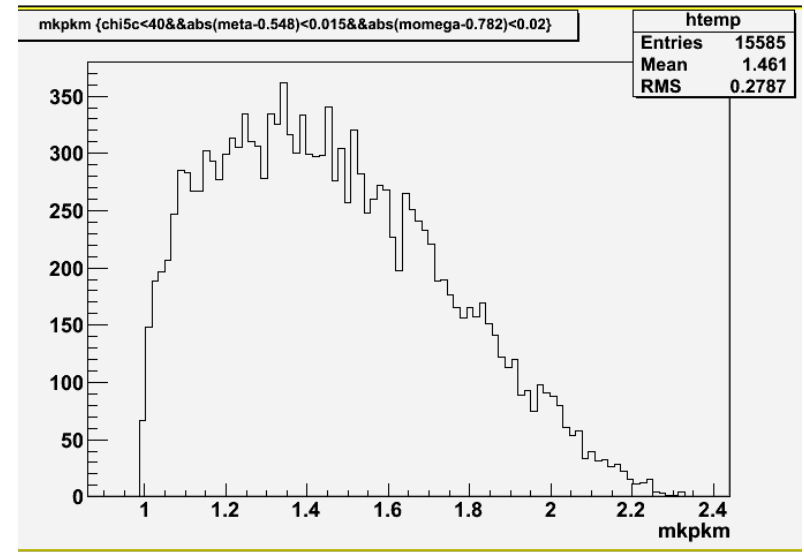
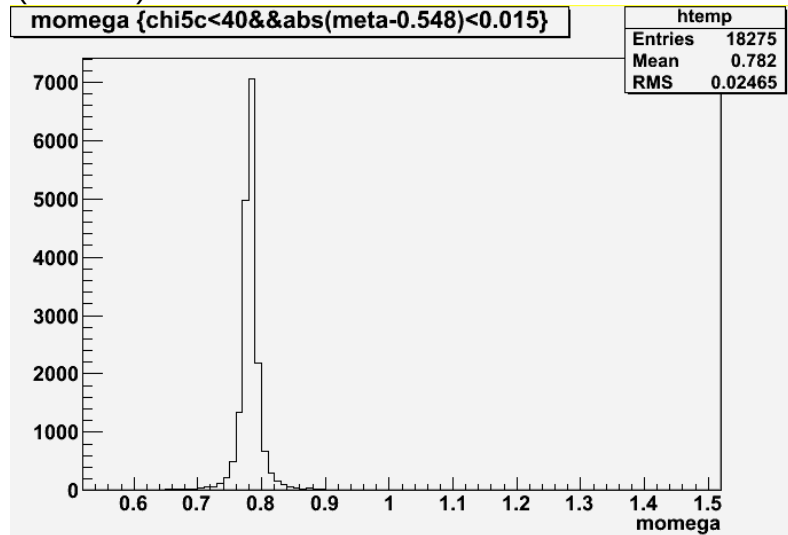
- 5C kinematic fit was performed and the one with the minimum χ_{4c}^2 value is chosen



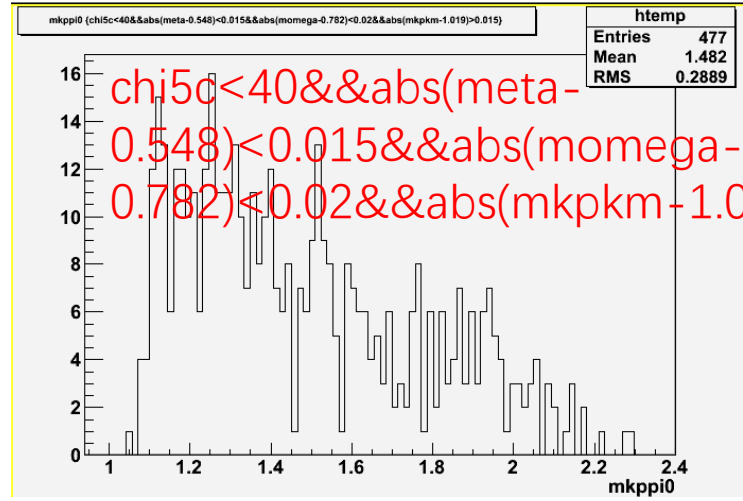
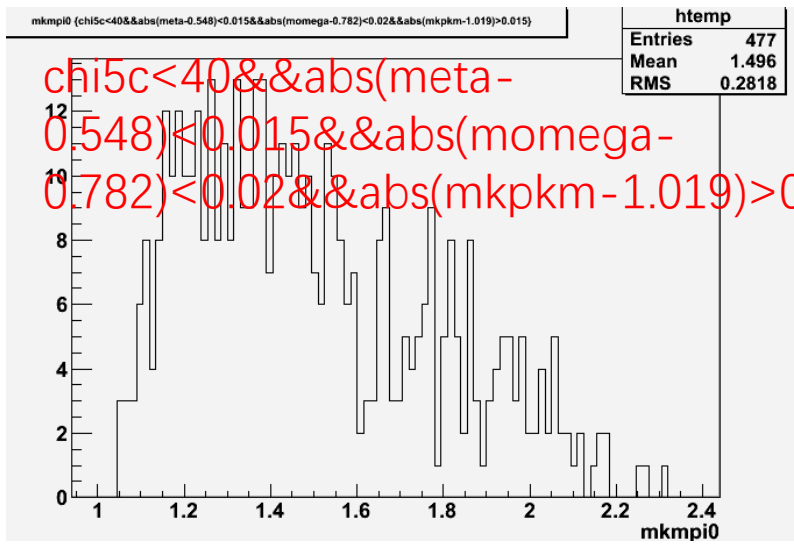
Data (09)



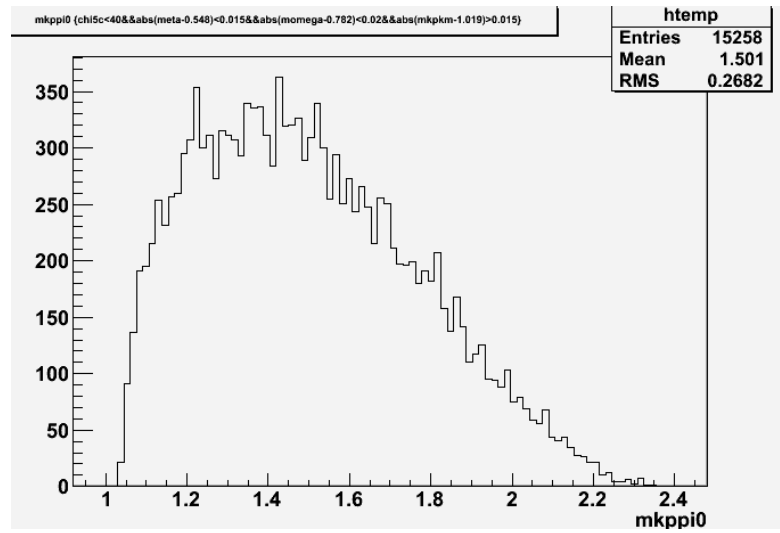
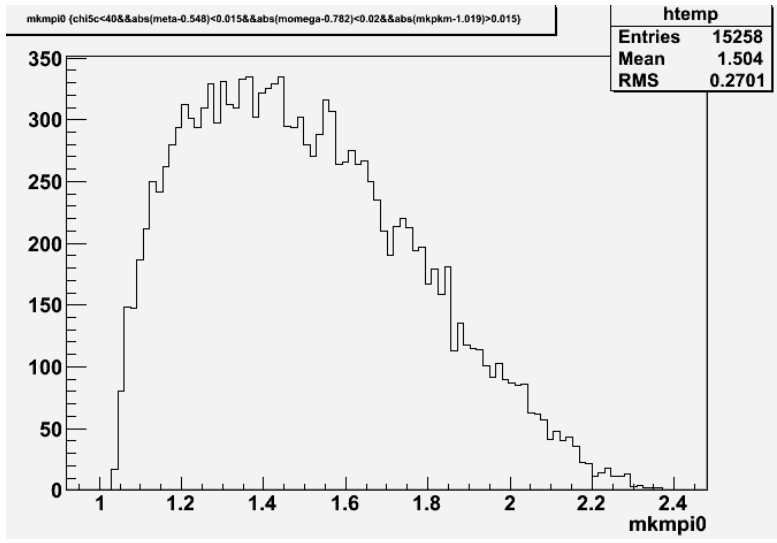
MC (0912)



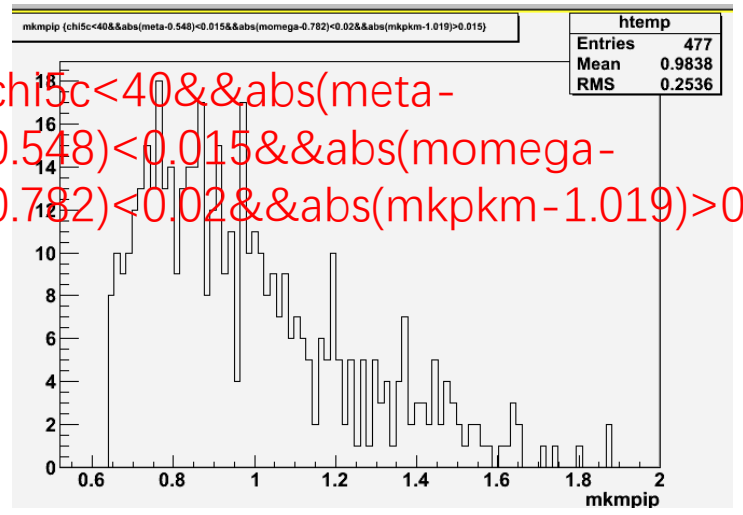
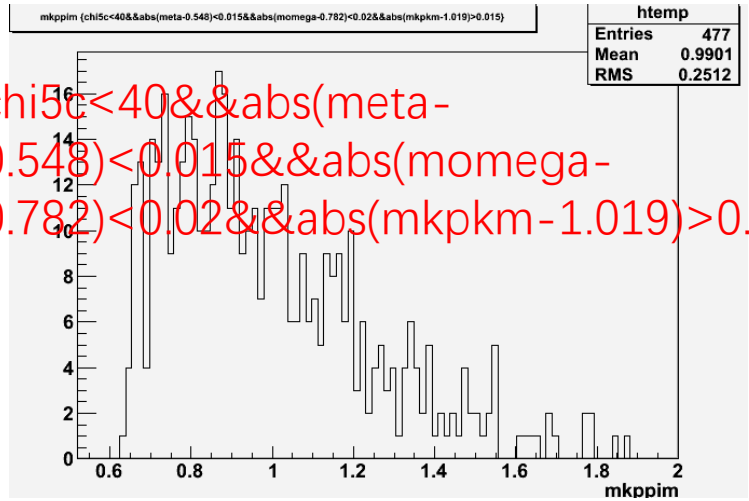
Data (09)



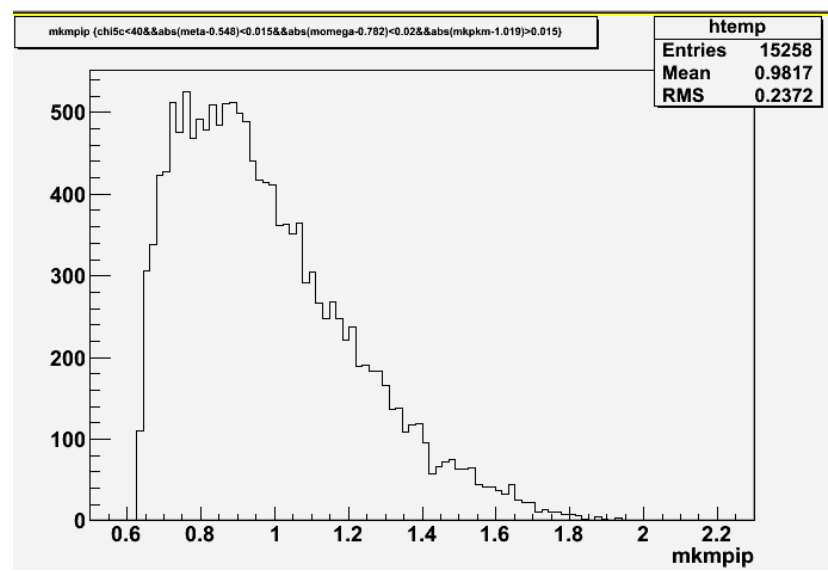
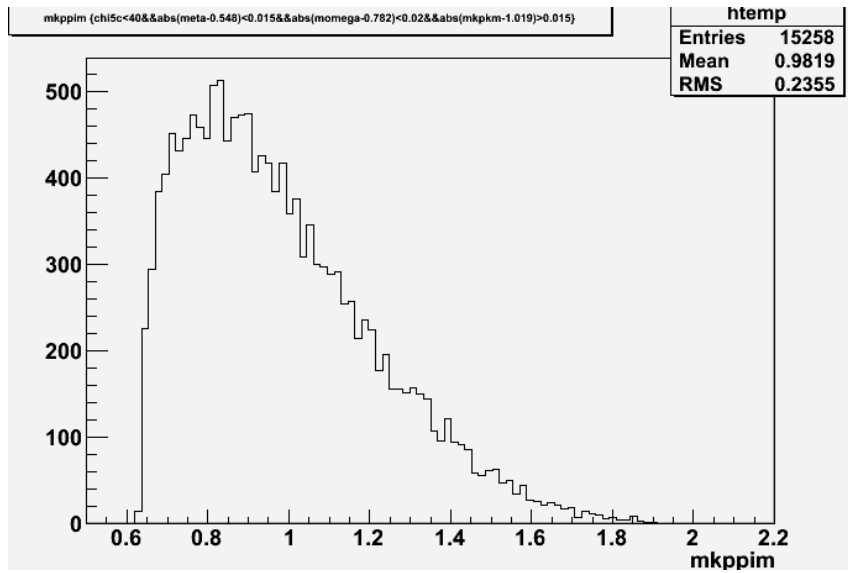
MC (0912)



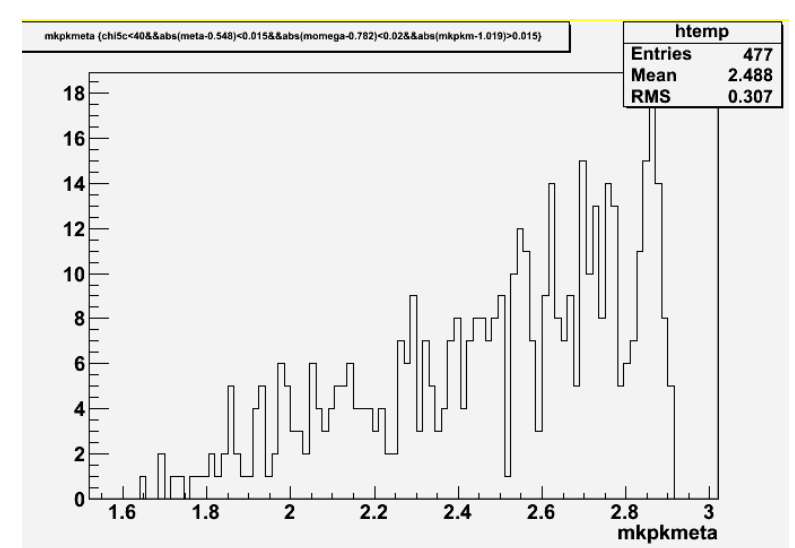
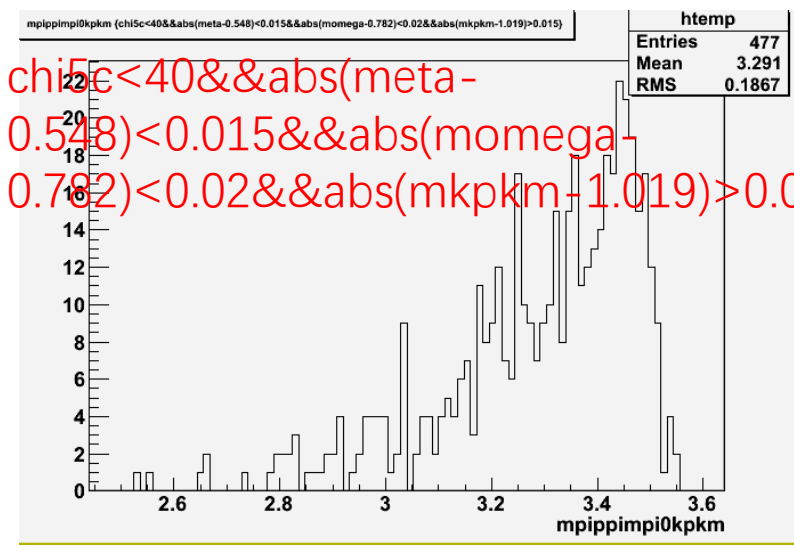
Data (09)



MC (0912)



Data (09)



MC (0912)

