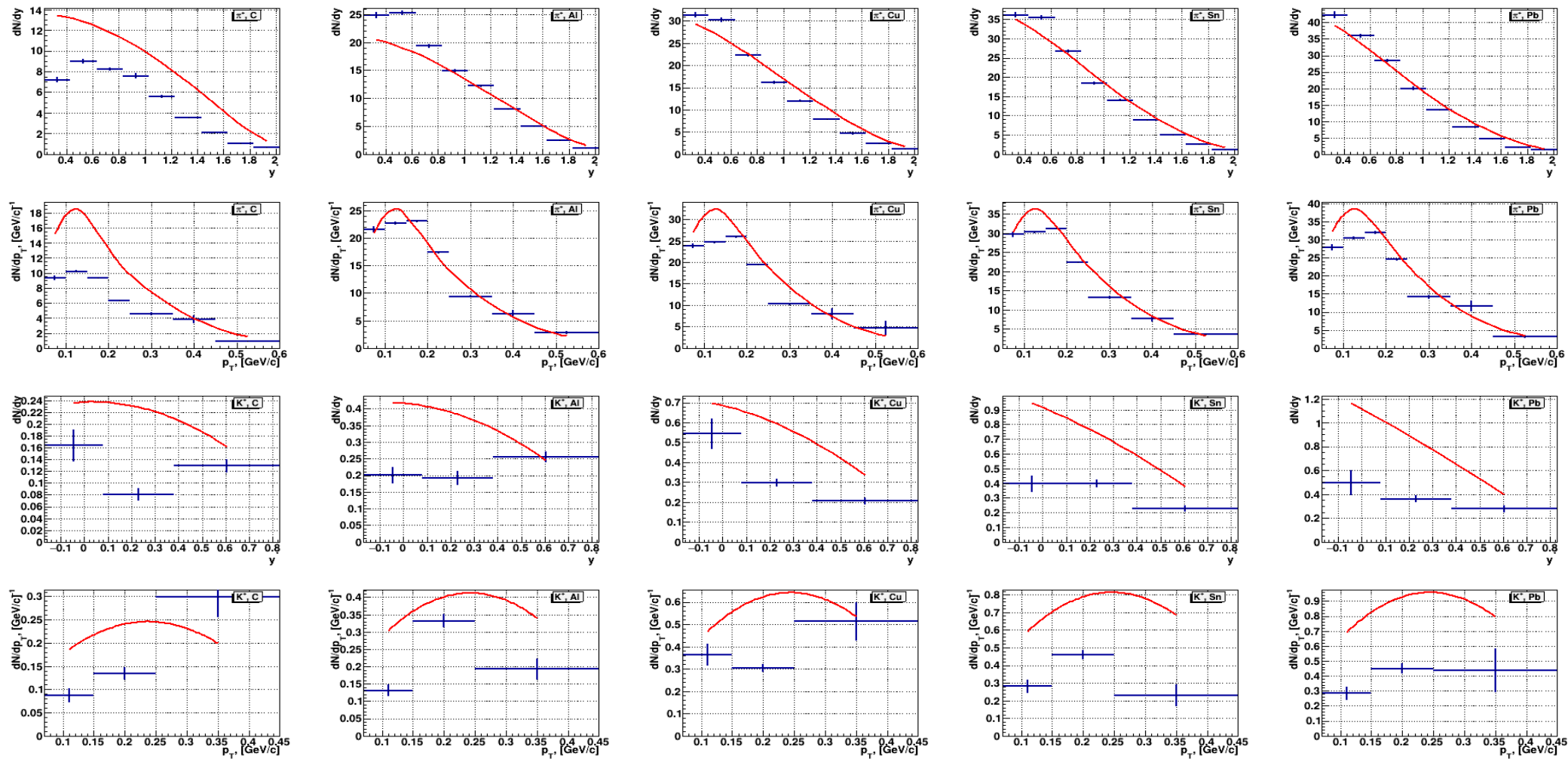


$\sigma_{\pi^+}(y), \sigma_{\pi^+}(pt), \sigma_{K^+}(y), \sigma_{K^+}(pt).$  $\text{Eff}_{\text{Acc}}, \text{Eff}_{\text{Cuts}}, \text{Eff}_{\text{Rec}}$ 

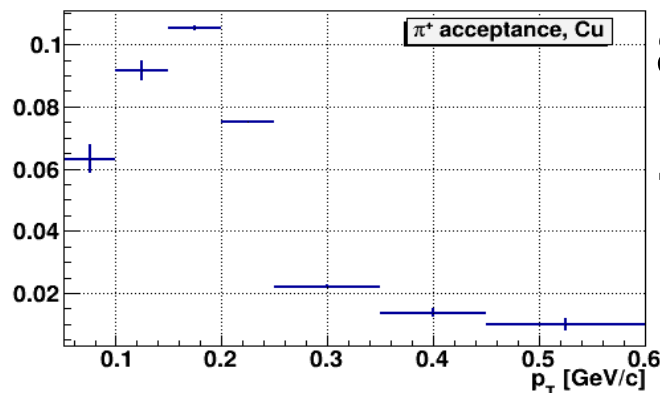
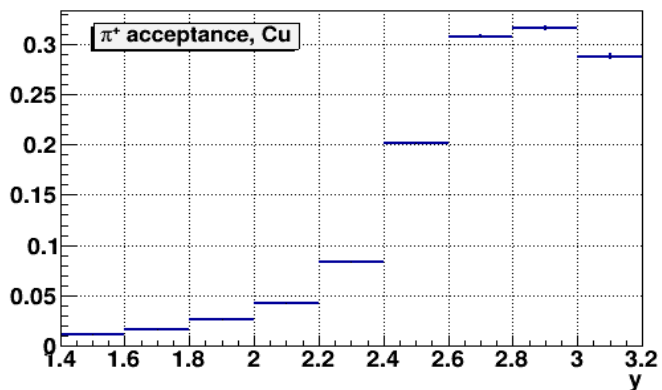
- $\sigma_{\pi^+}(y), \sigma_{\pi^+}(pt), \sigma_{K^+}(y), \sigma_{K^+}(pt)$
- $\text{Eff}_{\text{Acc}}, \text{Eff}_{\text{Cuts}}, \text{Eff}_{\text{Rec}}$

# $\sigma_{\pi^+}(y)$ etc. w/o low eff bins

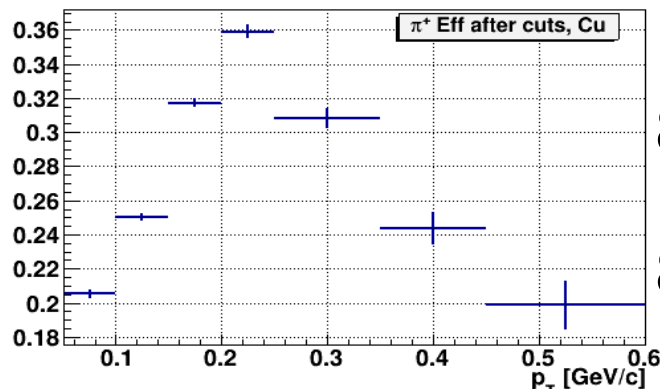
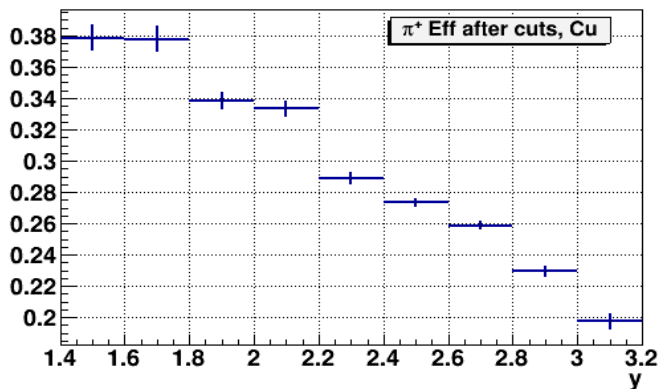


— BM@N — DCM-SMM

# Eff<sub>Acc</sub>, Eff<sub>Cuts</sub>, Eff<sub>Rec</sub>, $\pi^+$

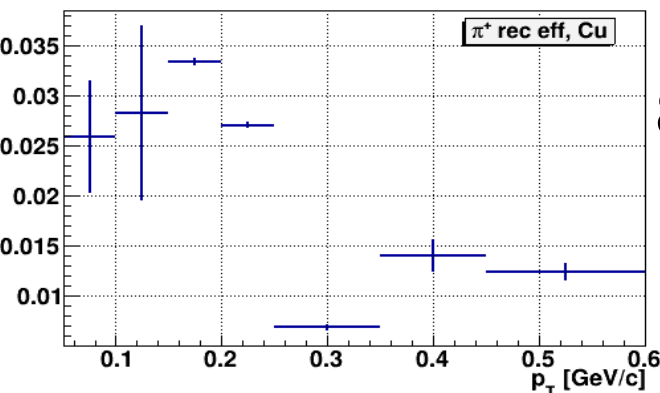
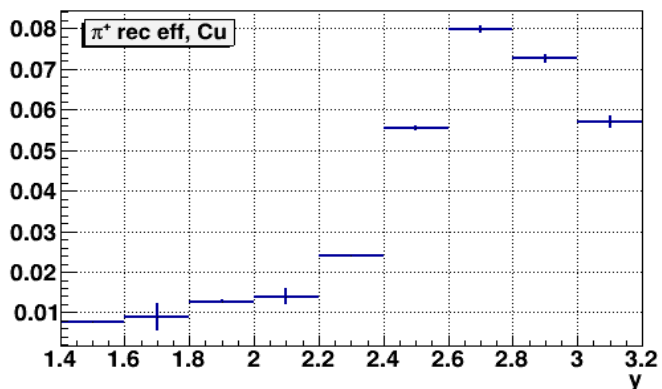


$$\epsilon_{\text{rec}}(p_T) = \frac{\sum_y N_{\text{rec}}(y, p_T) / \sum_y (N_{\text{rec}}(y, p_T) / \epsilon_{\text{rec}}(y, p_T))}{\sum_y N_{\text{rec}}(y, p_T) / \sum_y (N_{\text{rec}}(y, p_T) / \epsilon_{\text{rec}}(y, p_T))}$$



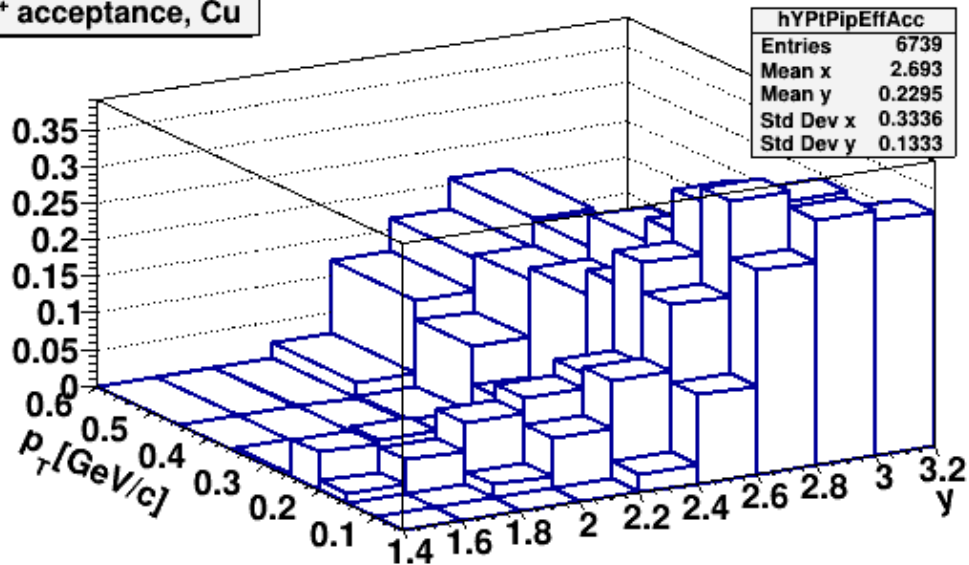
$$\epsilon_{\text{rec}} = \epsilon_{\text{acc}} \cdot \epsilon_{\text{cuts}}$$

$$\epsilon_{\text{acc}} = \frac{N_{\text{acc}}(y, p_T)}{N_{\text{gen}}(y, p_T)}$$

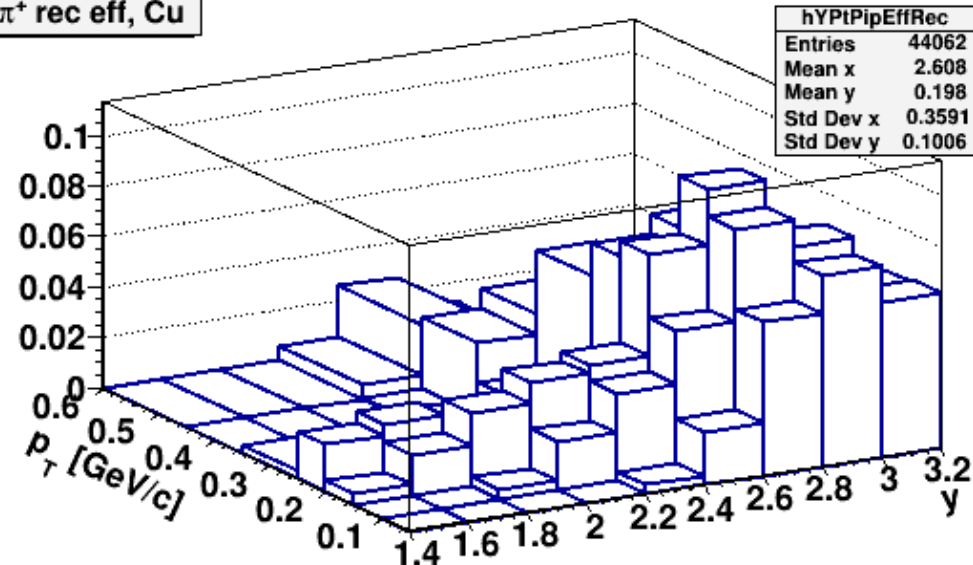


$$\epsilon_{\text{cuts}} = \frac{N_{\text{cuts}}(y, p_T)}{N_{\text{acc}}(y, p_T)}$$

$\pi^+$  acceptance, Cu

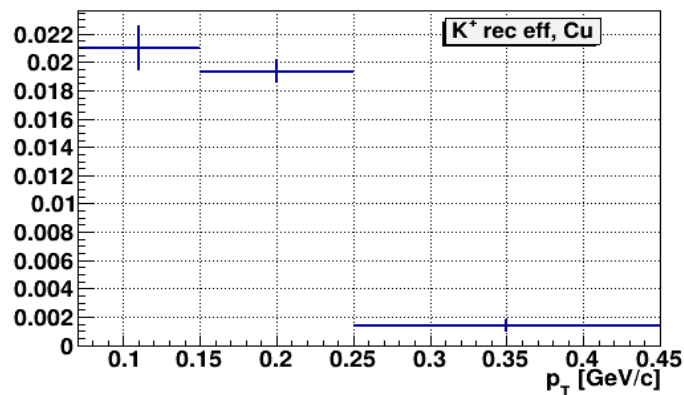
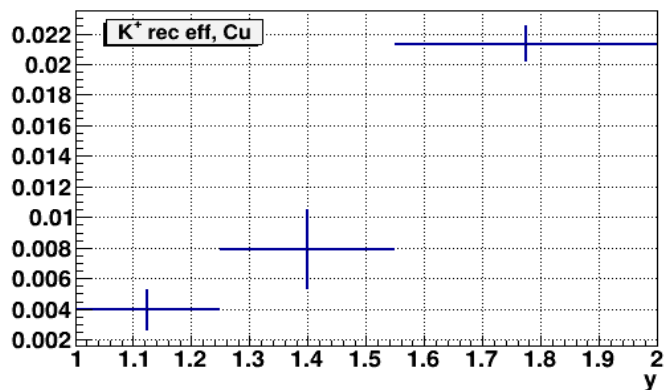
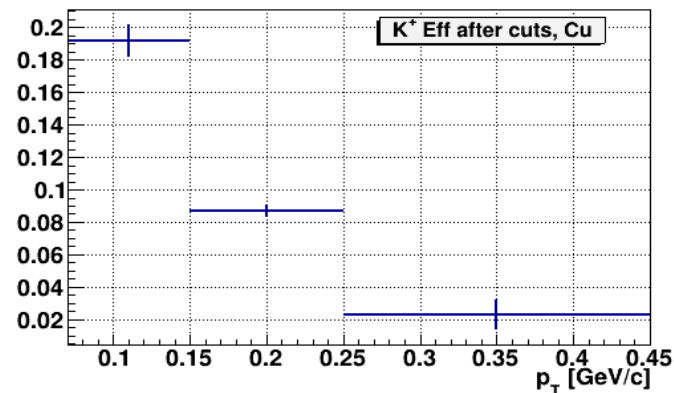
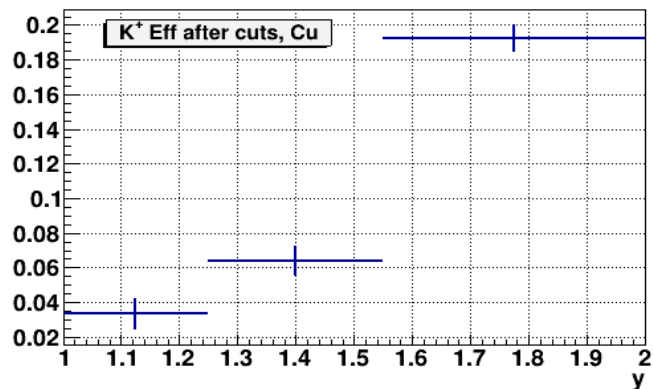
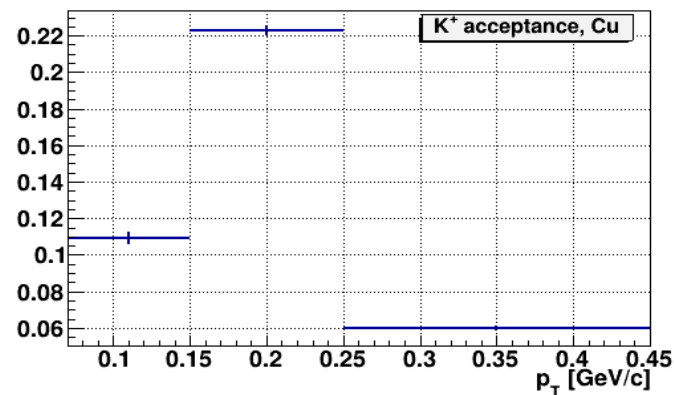
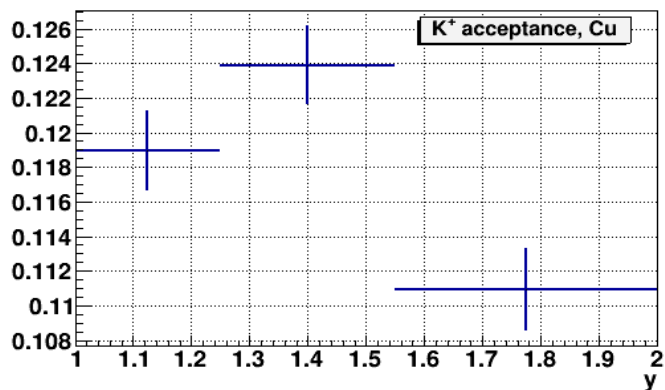


$\pi^+$  rec eff, Cu



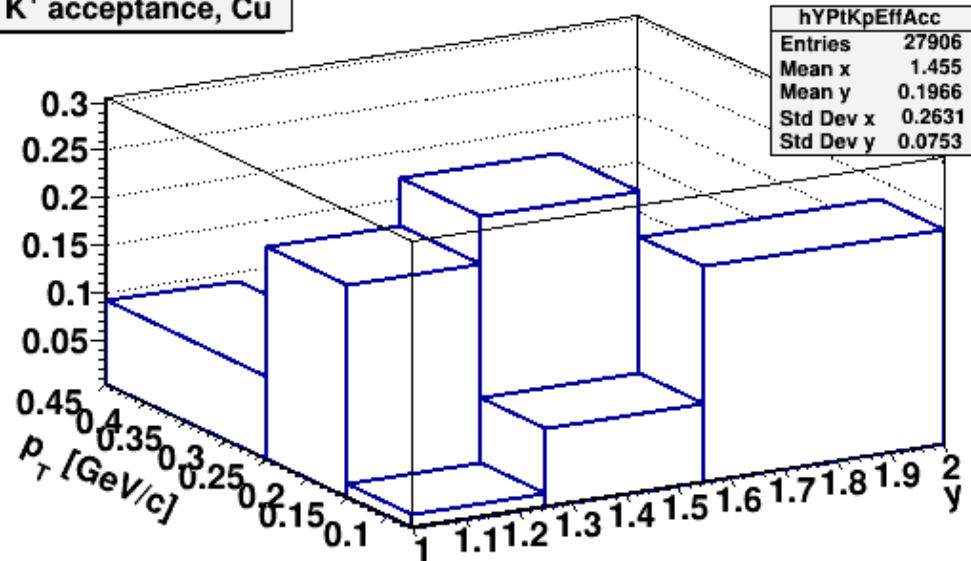
- Found problem with bin (9,7) for Sig2YPtPi histogram in Fit4MC400Target3Ver2Fun3.root file - content is too large

# Eff<sub>Acc</sub>, Eff<sub>Cuts</sub>, Eff<sub>Rec</sub>, K<sup>+</sup>

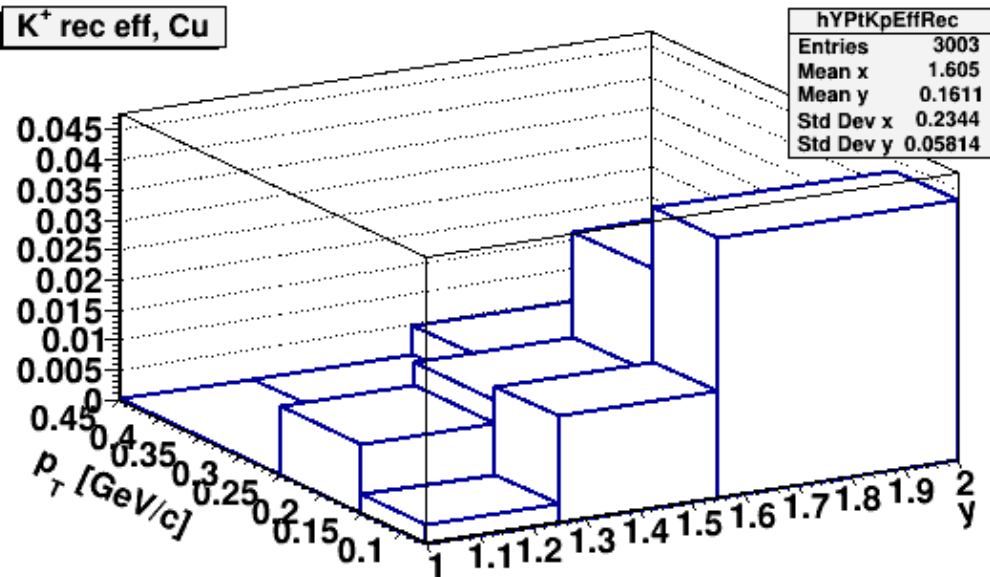


# Eff<sub>Acc</sub>, Eff<sub>Rec</sub>, K<sup>+</sup>

K<sup>+</sup> acceptance, Cu



K<sup>+</sup> rec eff, Cu





# Backup



# $\sigma_{\pi^+}(y)$ with low eff bins

