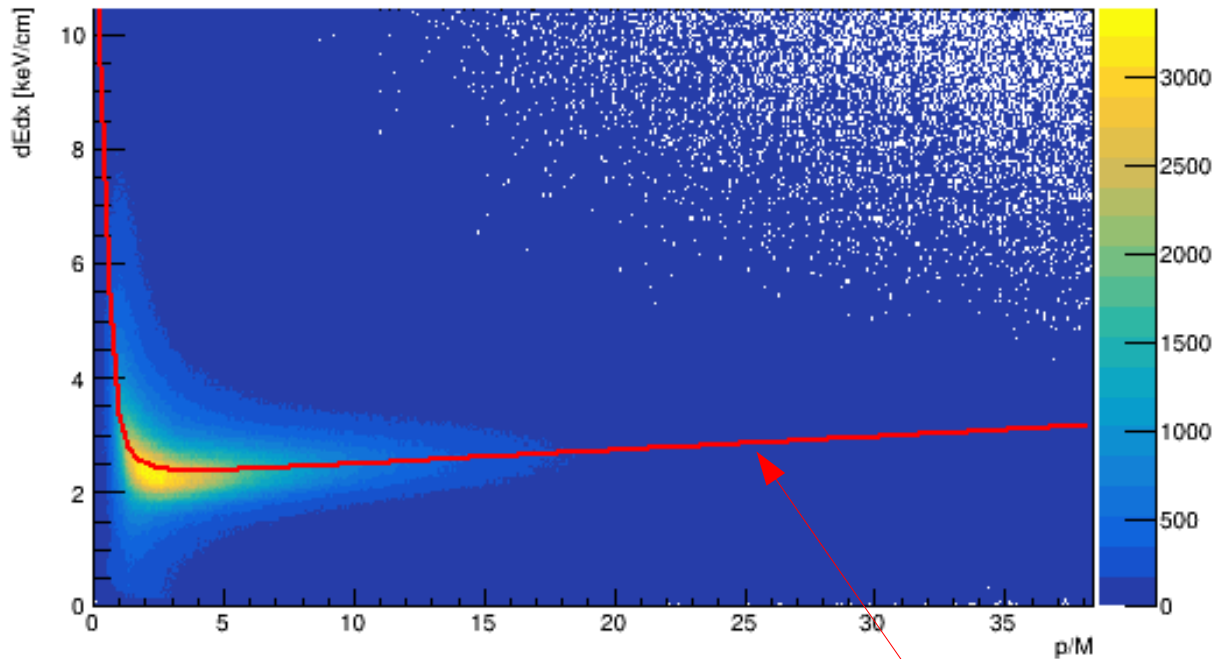


# Updates on dE/dx for PIDFOM

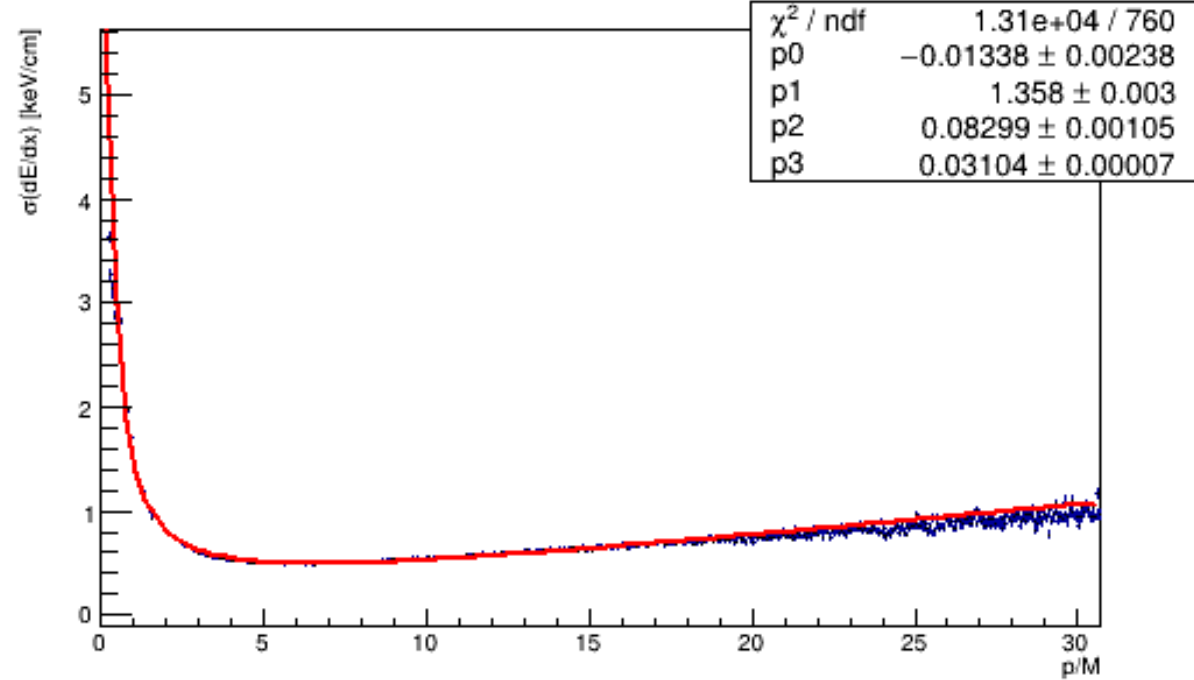
Simon Taylor/JLab

- CDC dE/dx for  $\pi^-$  candidates

dEdx vs p/M, pi- cand.



CDC dE/dx resolution

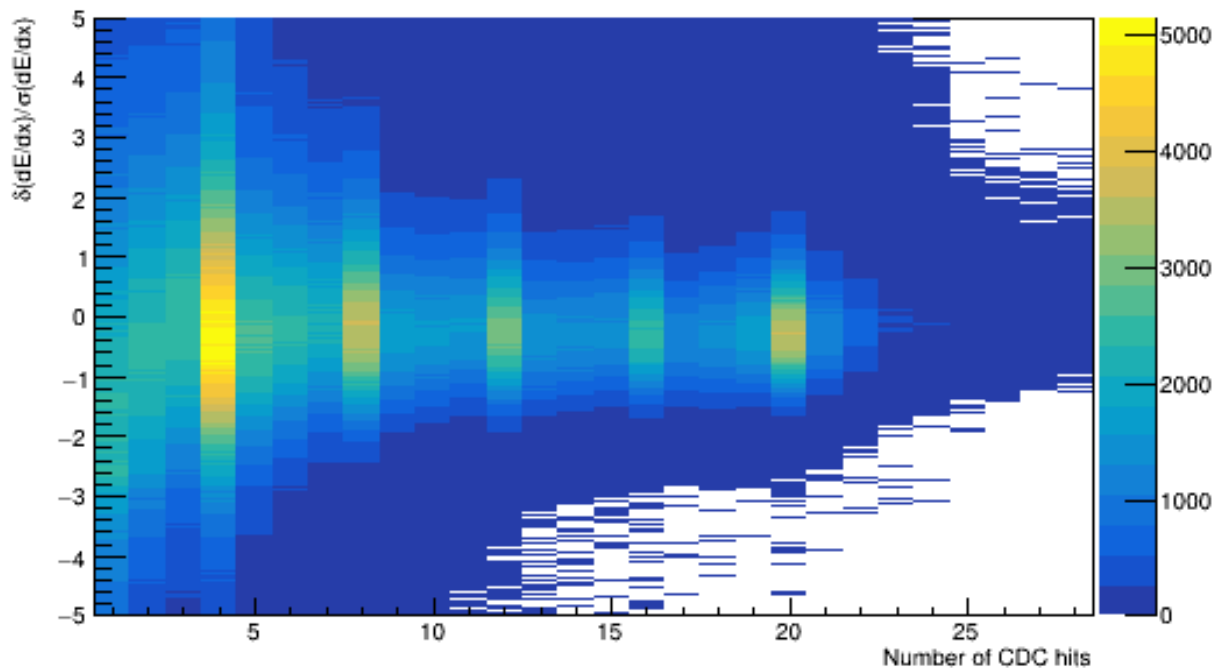


Resolution averaged over p and  $\theta$

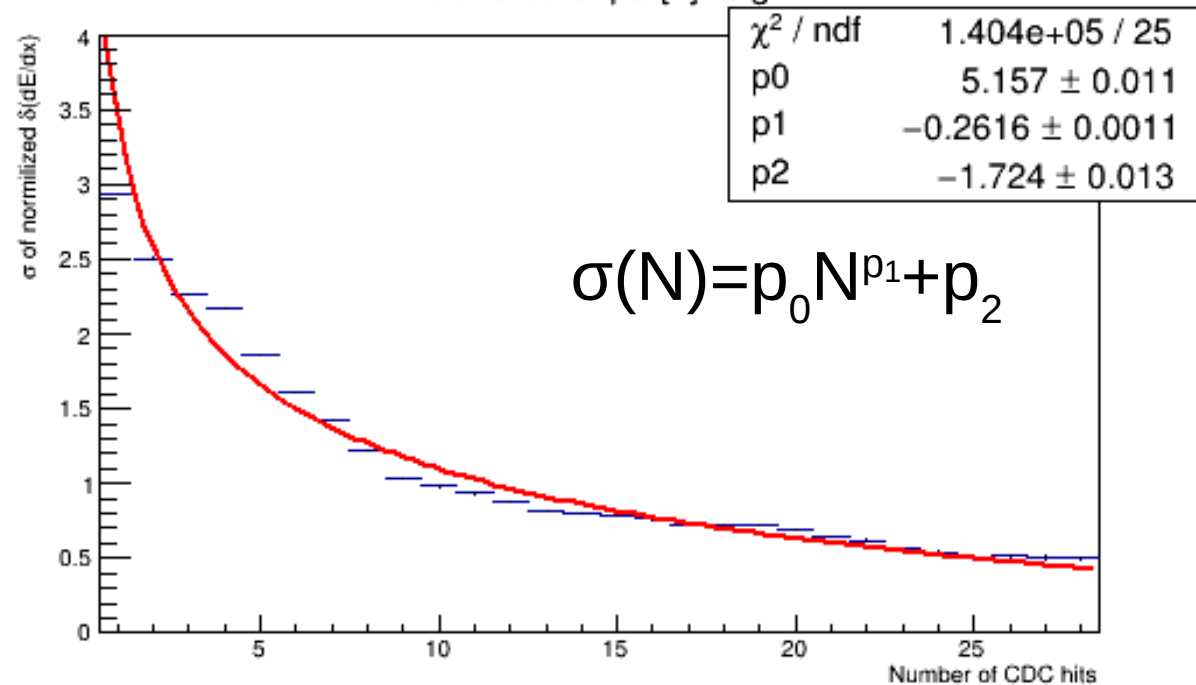
$$\left\langle \frac{dE}{dx} \right\rangle = \frac{A}{\beta^2 \gamma^2} + \frac{B}{\beta \gamma} + C + D\beta\gamma$$

# Dependence on number of CDC hits

Normalized  $\delta(dE/dx)$  vs  $N$ ,  $\pi^-$  candidates

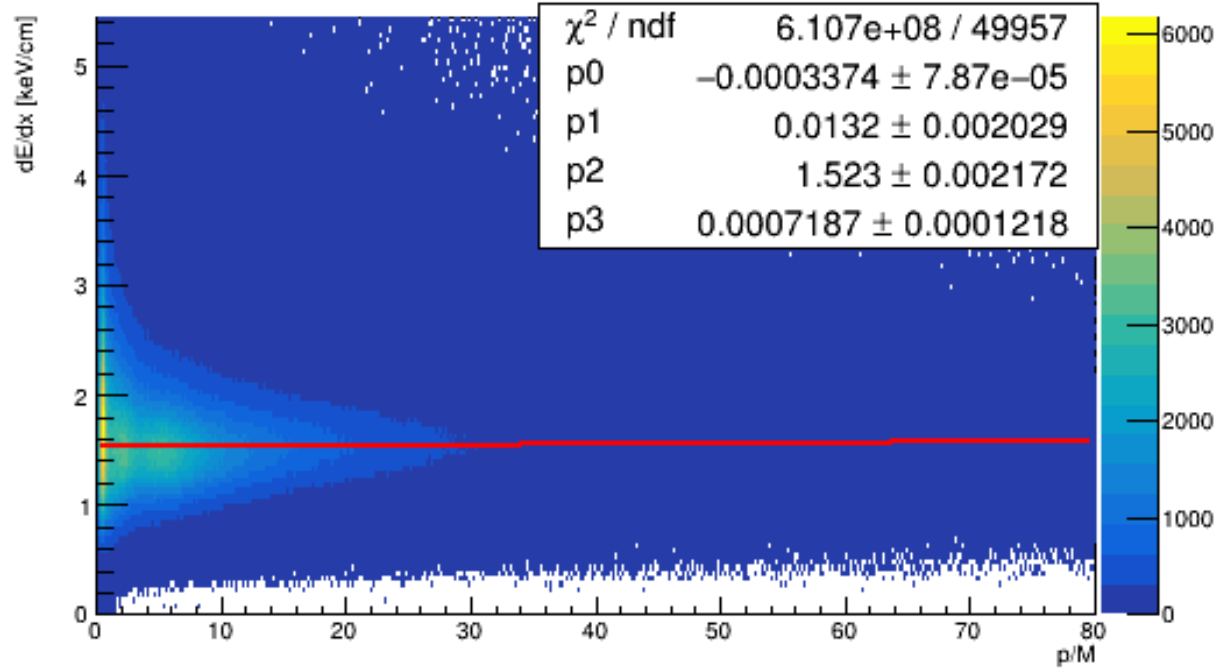


Fitted value of par[2]=Sigma

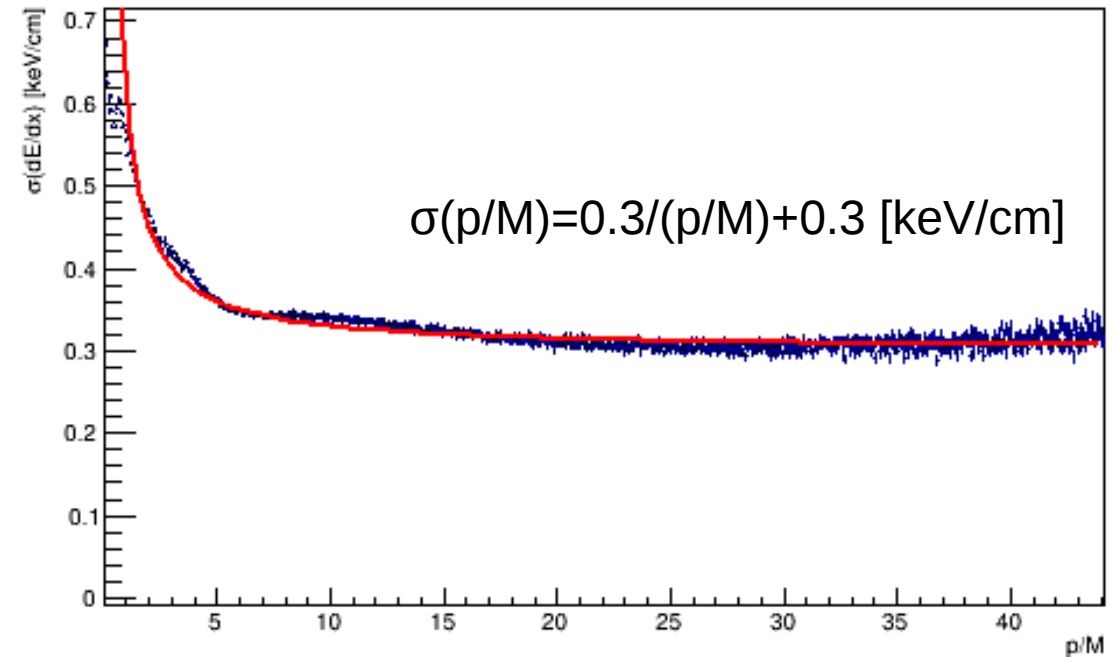


# FDC dE/dx for pions

FDC dEdx vs p/M, #p<sup>-</sup> cand.

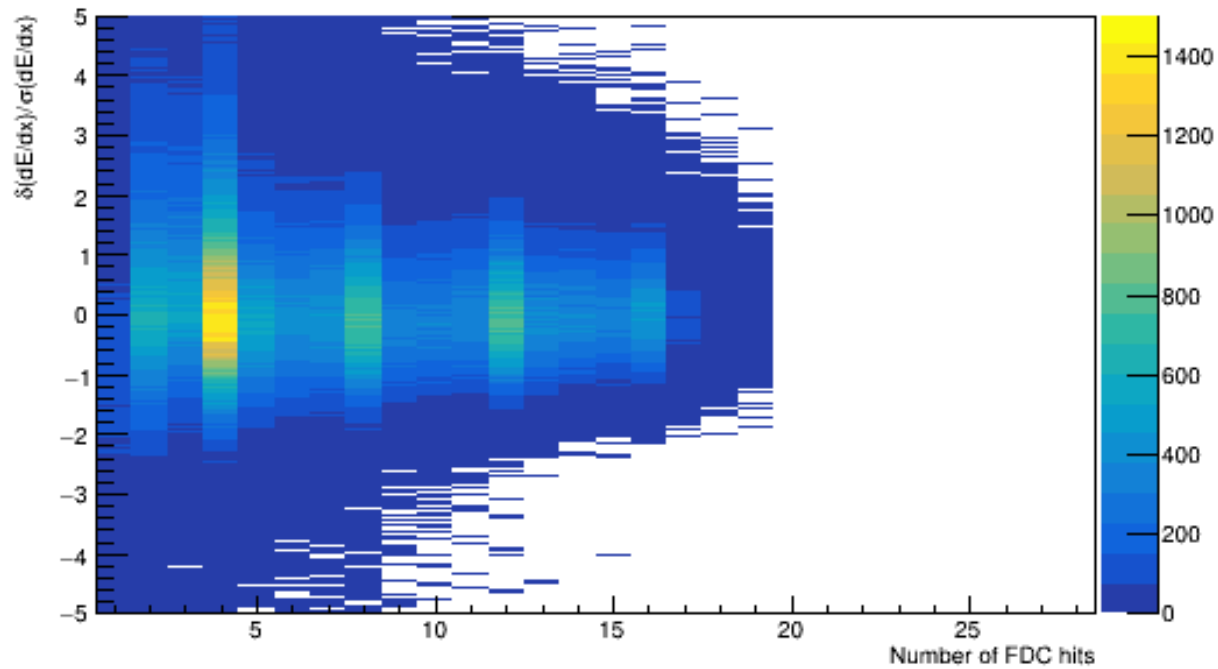


FDC resolution for pions



# FDC dE/dx dependence on N

Normalized  $\delta(dE/dx)$  vs N,  $\pi^-$  candidates, FDC



Fitted value of par[2]=Sigma

