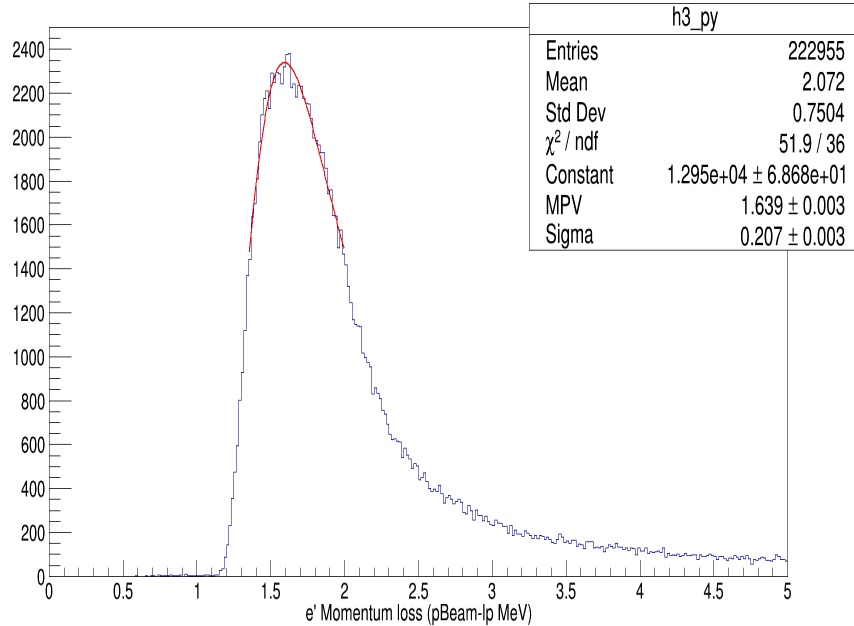


Electron loss (based on c12-19-002)

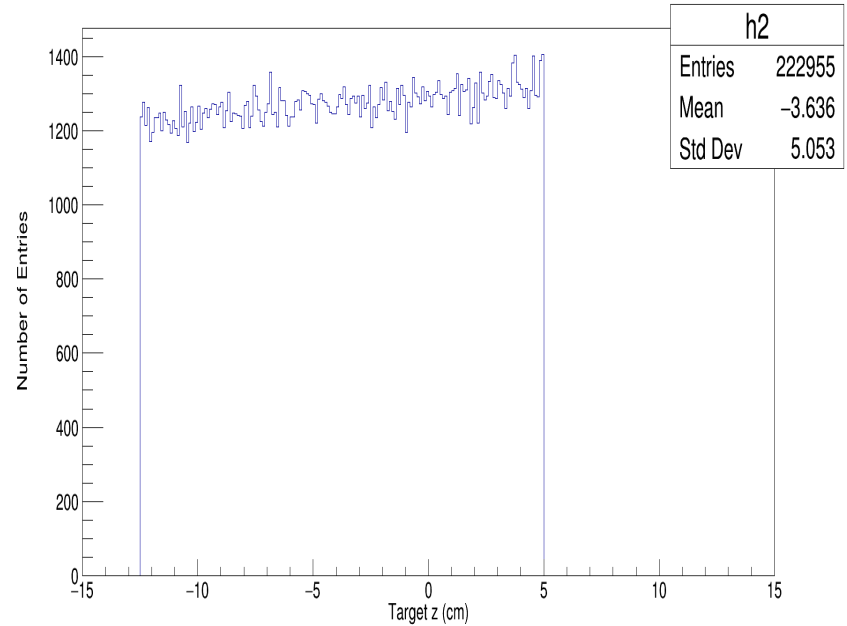
- Same analysis as before except with events from $5.0 < z_{\text{Beam}} < 7.2$ cut out
- As before: left arm angle 6.5 deg, central momentum 3.0 GeV/c (+/- 4.5%), and theta to 6.5 (+/- 1.5) deg

Electron loss, zBeam < 5.0 cm (before correction)

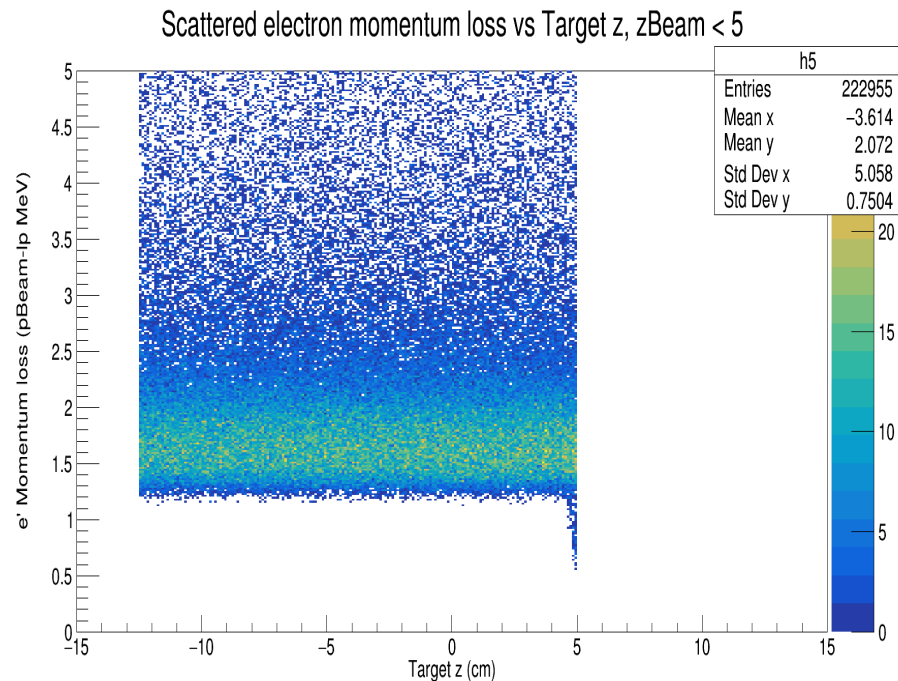
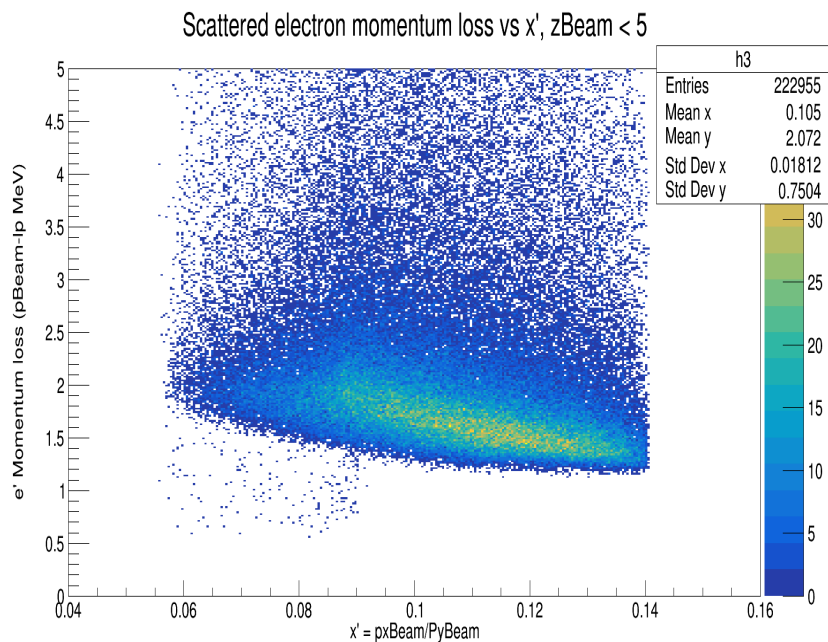
Scattered electron momentum loss vs x', zBeam < 5



Scattered electron z, zBeam < 5

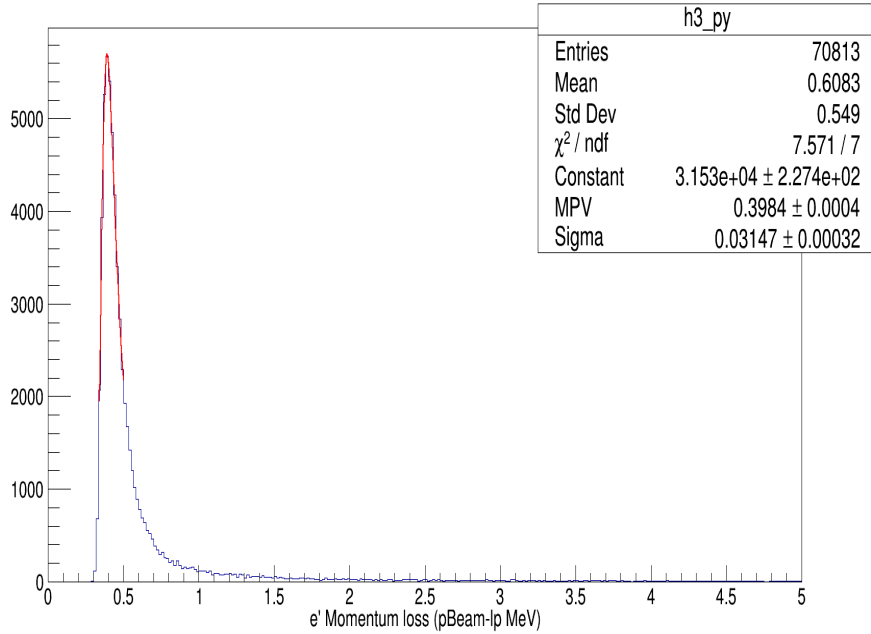


Electron loss, zBeam < 5.0 cm (before correction)

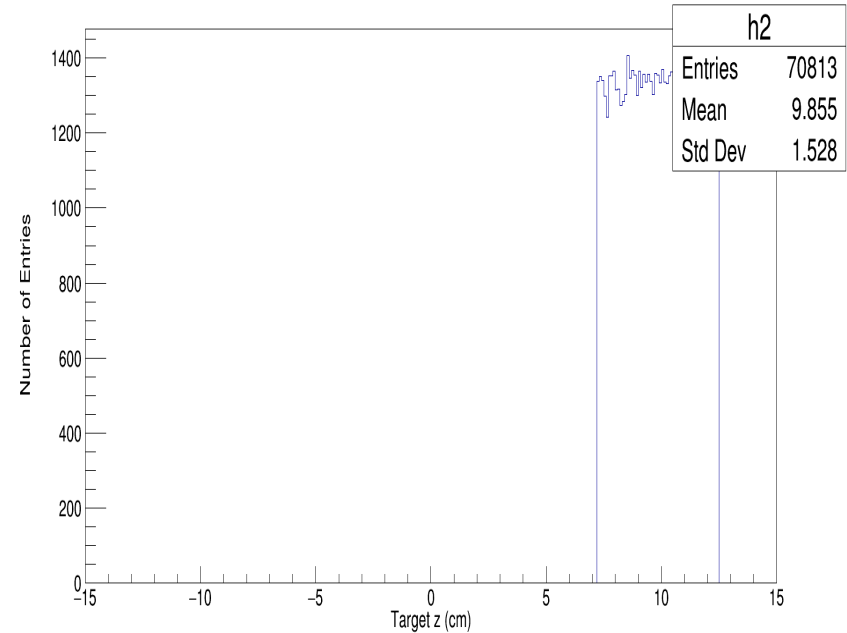


Electron loss, zBeam > 7.2 cm (before correction)

Scattered electron momentum loss vs x', zBeam > 7.2

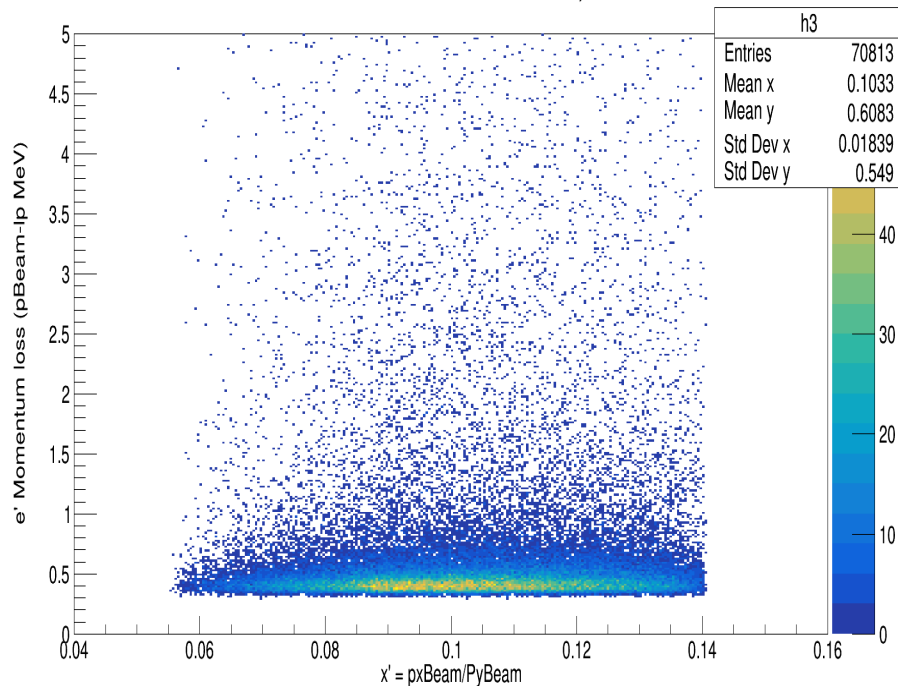


Scattered electron z, zBeam > 7.2

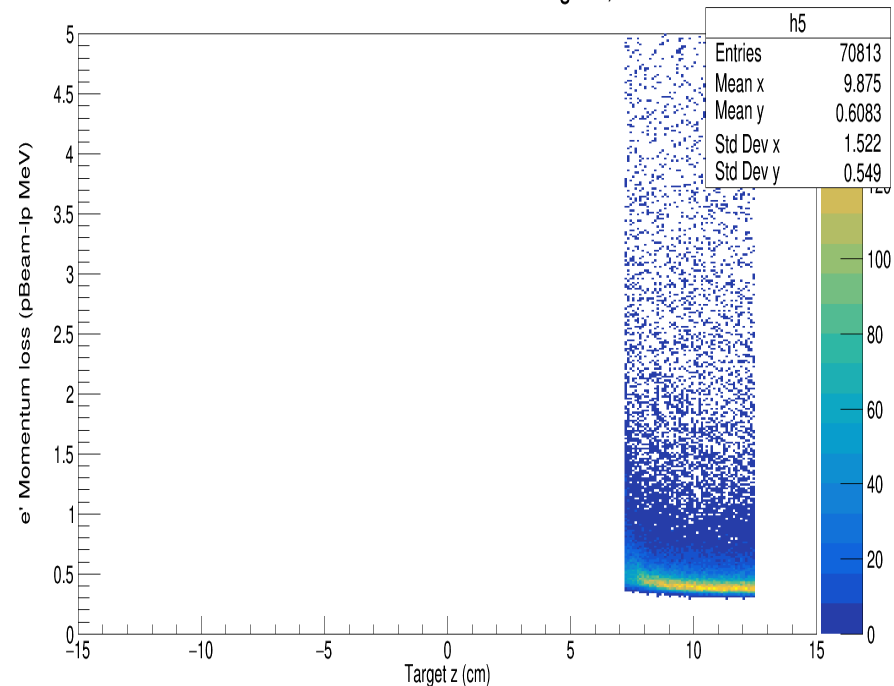


Electron loss, zBeam > 7.2 cm (before correction)

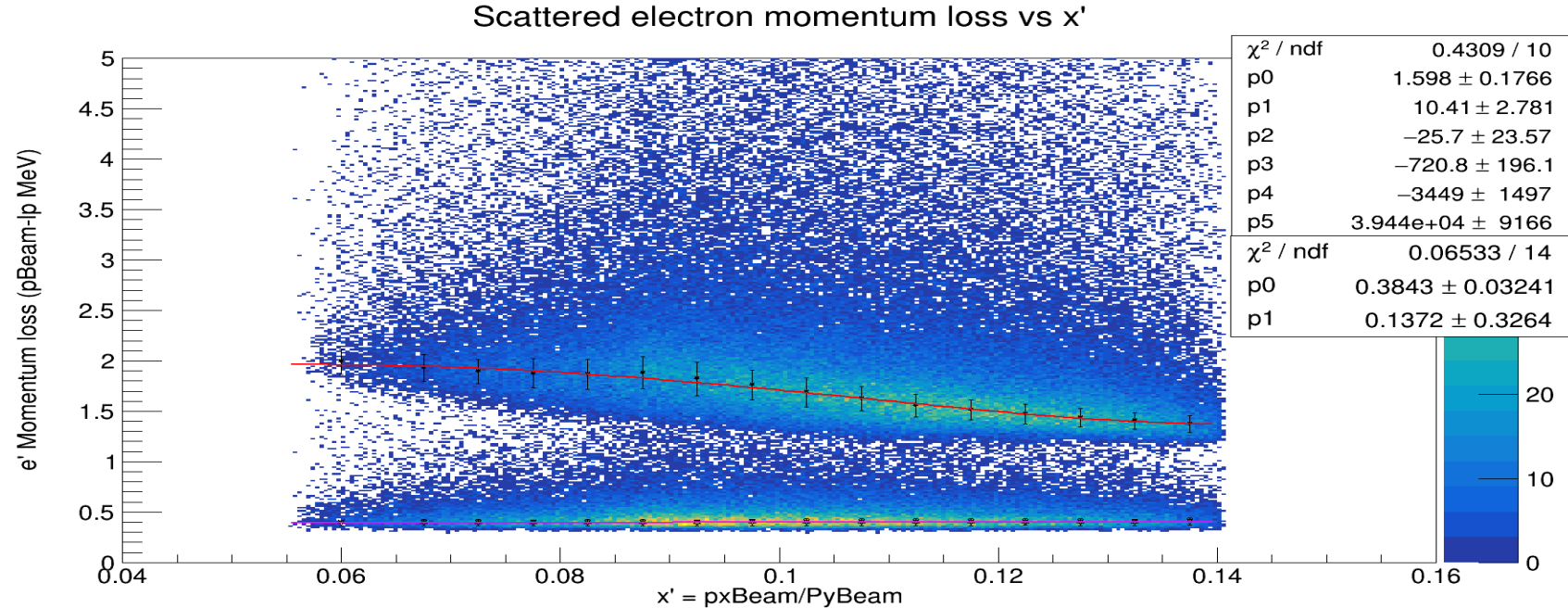
Scattered electron momentum loss vs x', zBeam > 7.2



Scattered electron momentum loss vs Target z, zBeam > 7.2



Energy loss electrons fitted

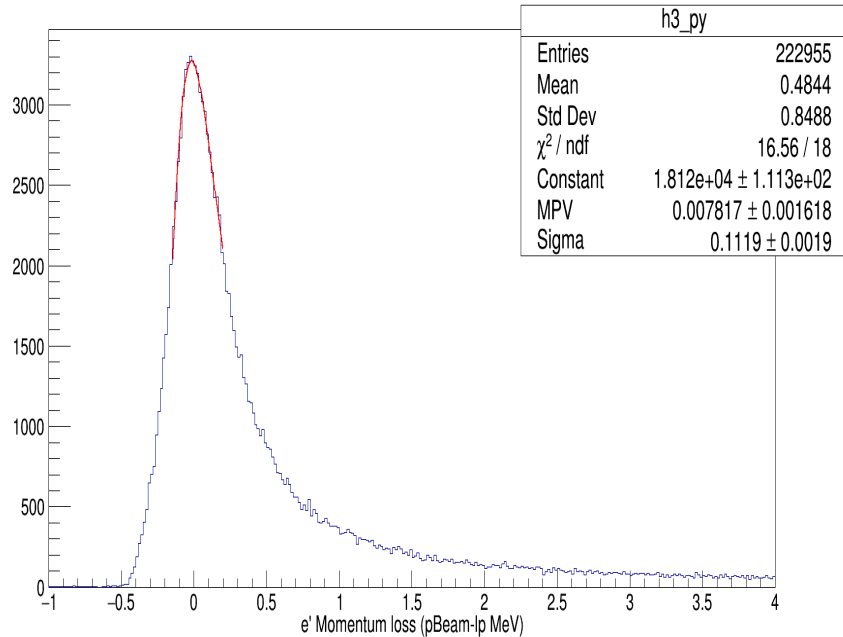


Fit function upper: $1.598 + 10.41 * x' - 25.7 * x'^2 - 720.8 * x'^3 - 3449 * x'^4 + 3.944\text{e}+04 * x'^5$

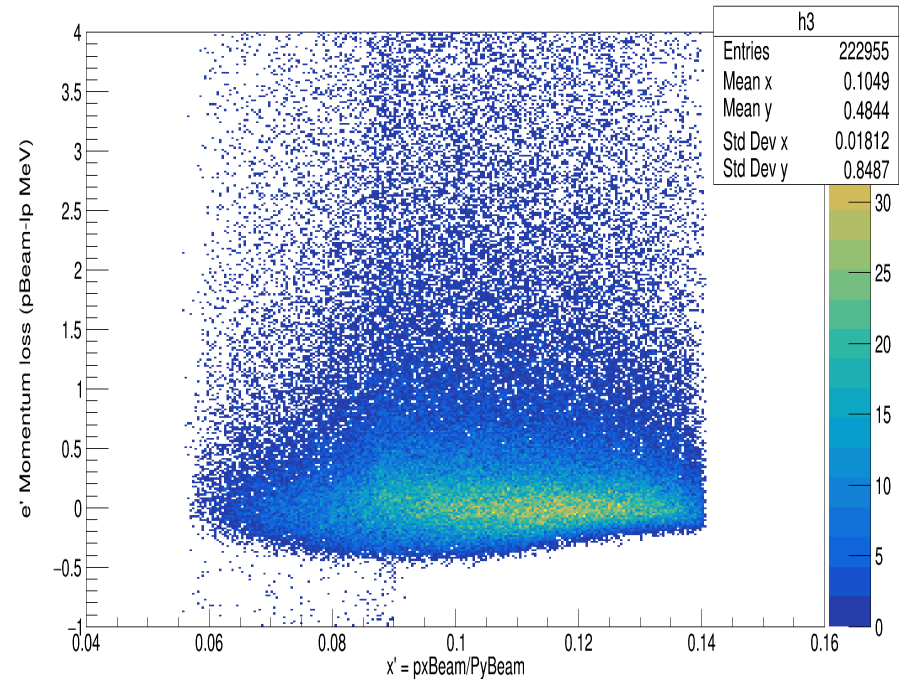
Fit function lower: $0.3843 - 0.1372 * x'$

Energy loss electron after correction

Scattered electron momentum loss vs x, zBeam < 5'

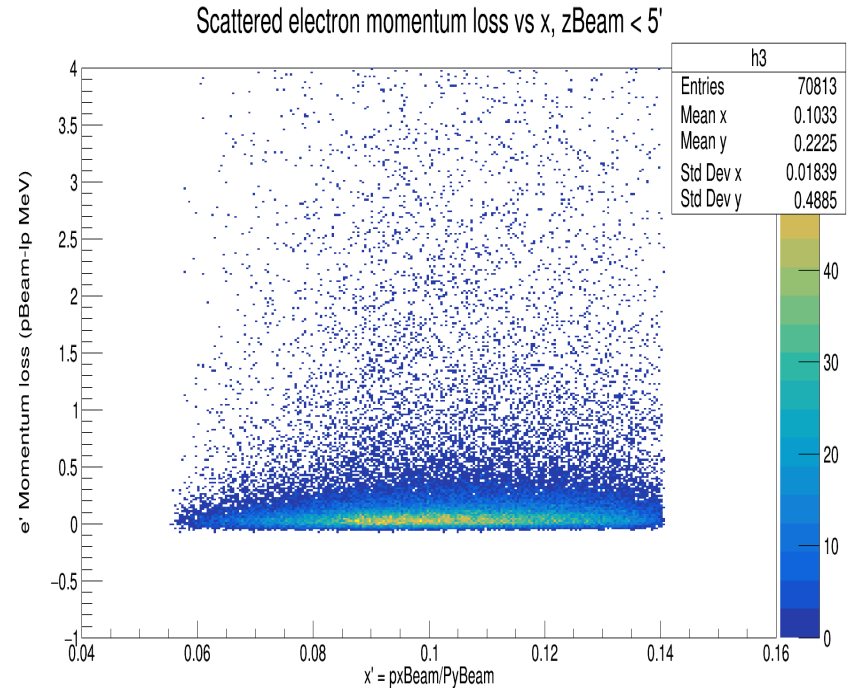
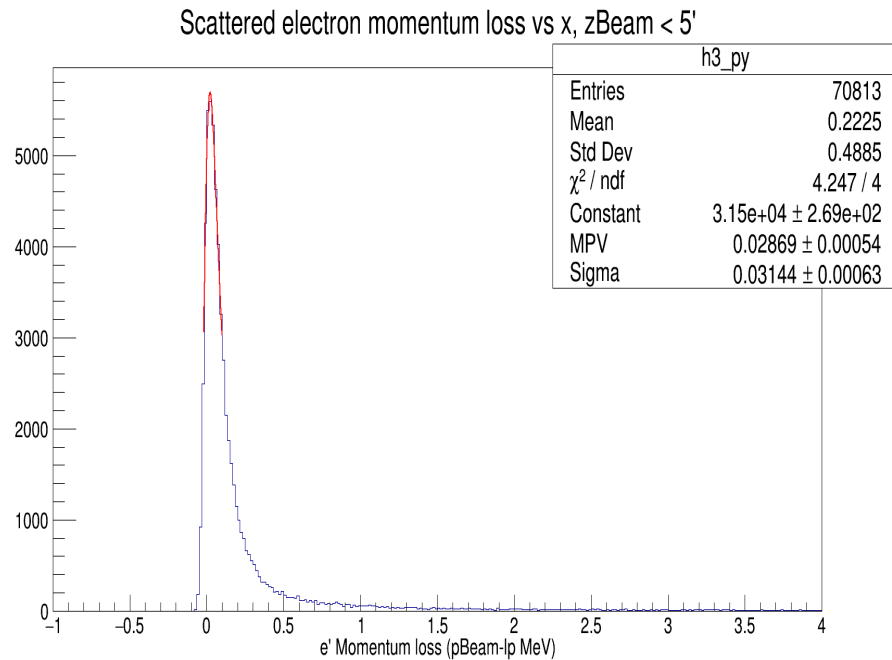


Scattered electron momentum loss vs x, zBeam < 5'



Zbeam < 5.0

Energy loss electron after correction



Zbeam > 7.2

Summary

- Sigma for the zBeam < 5 cm was reduced by about half
- However this the same amount as before