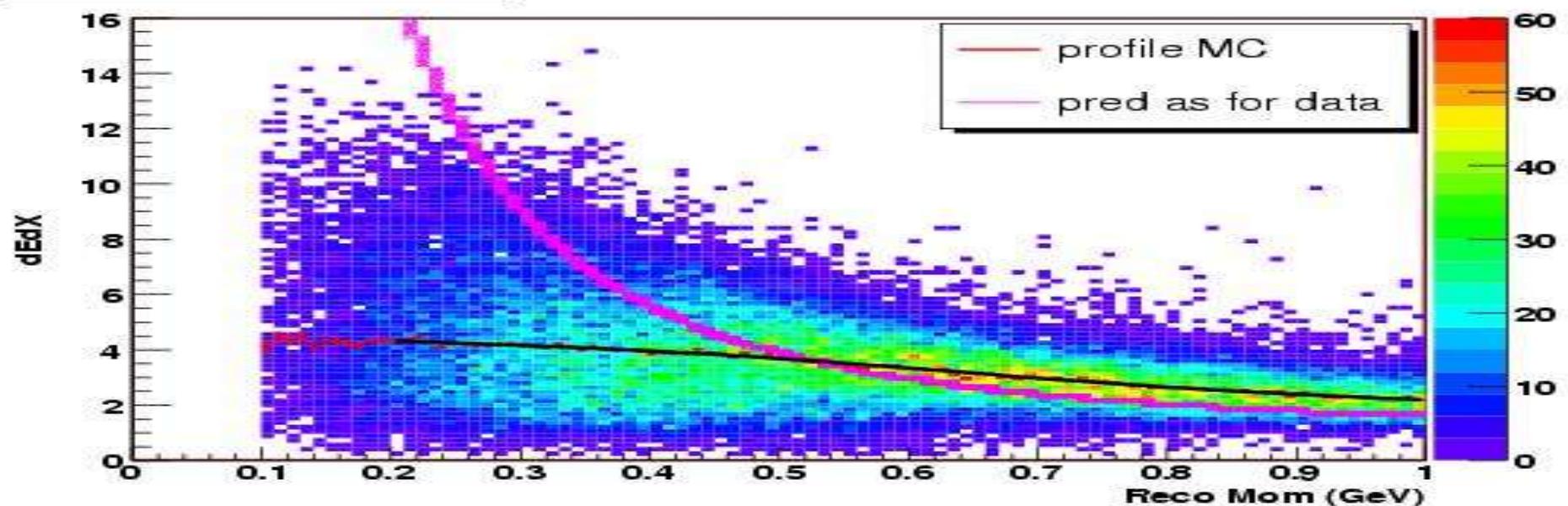


TPC Particle ID Using Profile Function

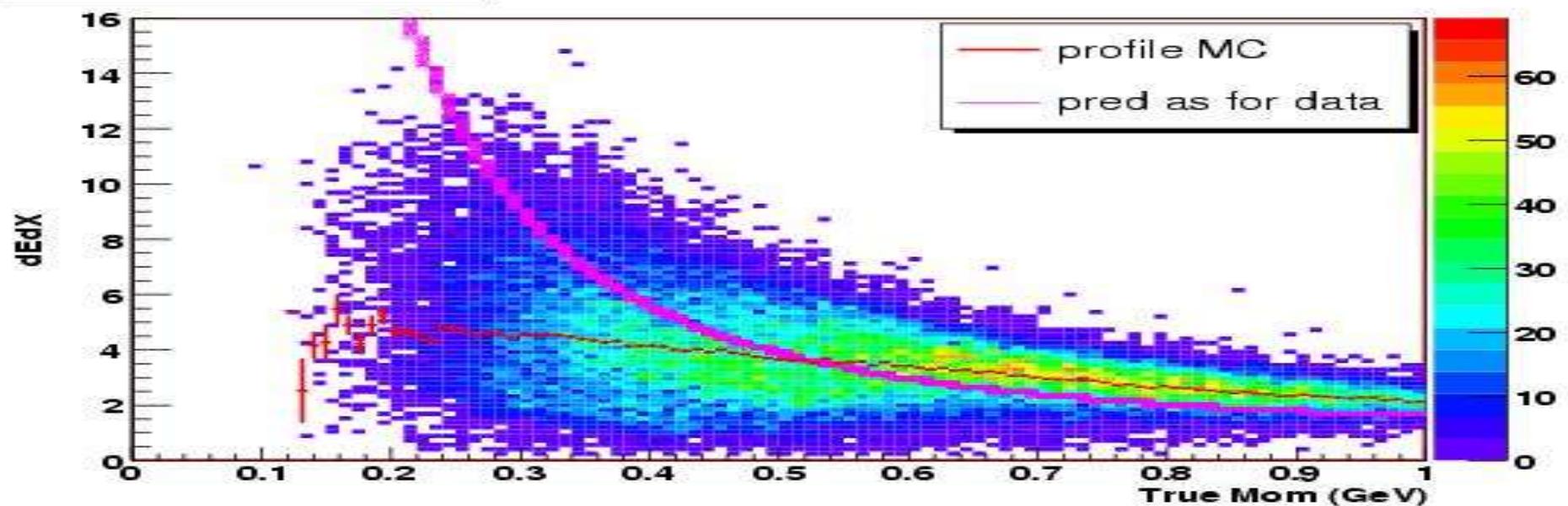
Ashok Kumar

Proton

h dedx proton 10_15

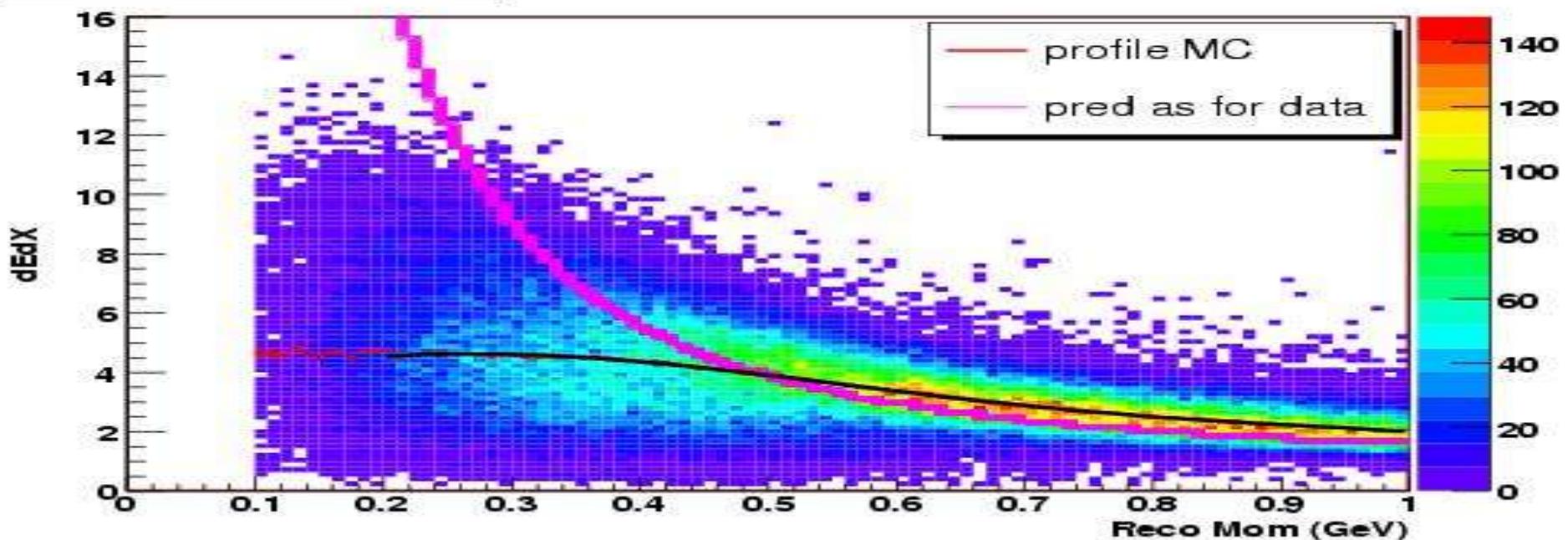


tdedx proton 10_15

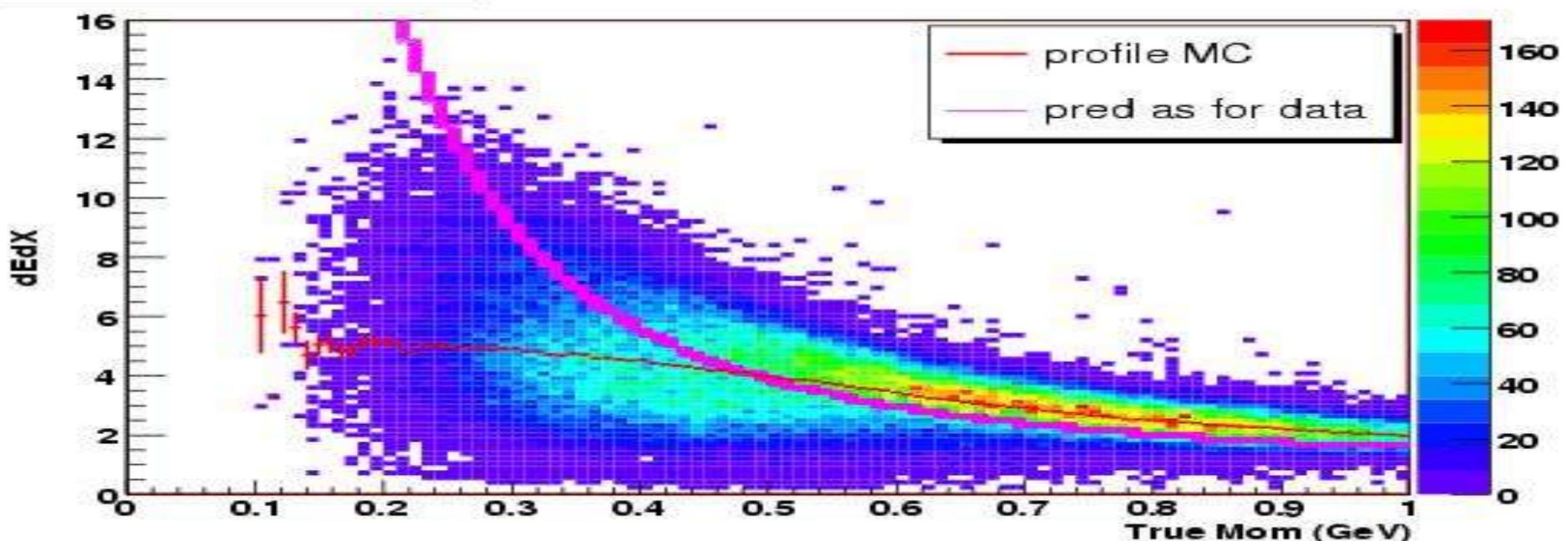


Proton

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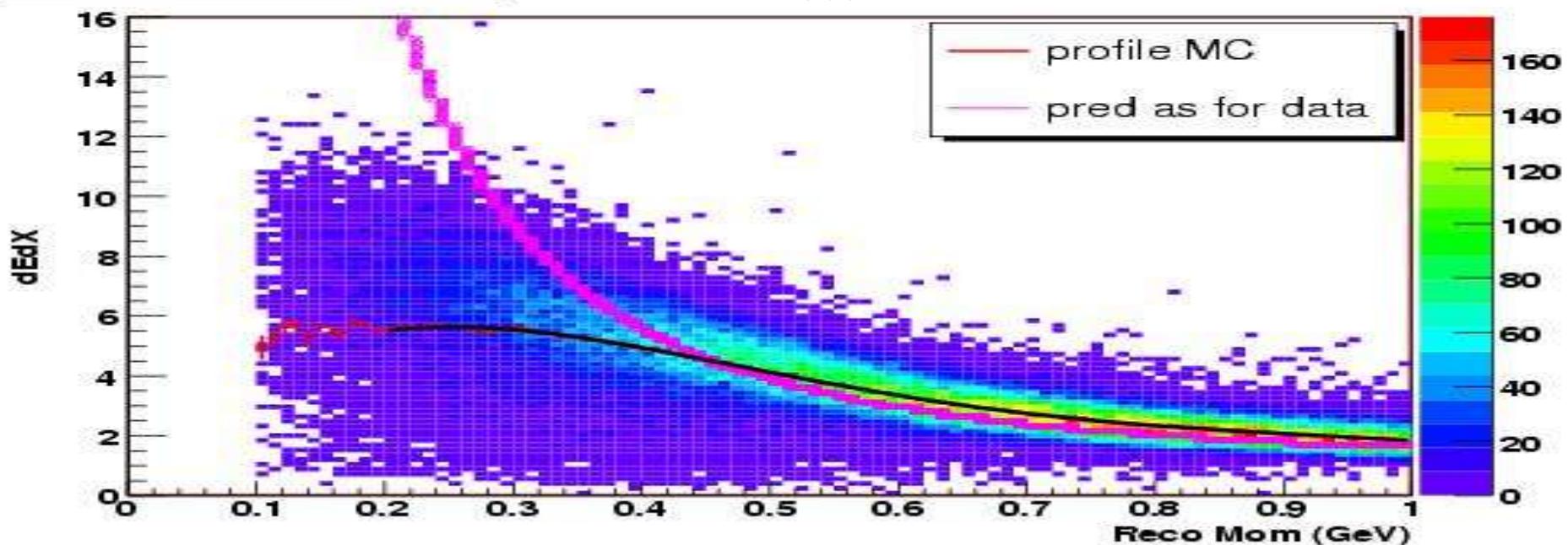


tdedx proton 15 20

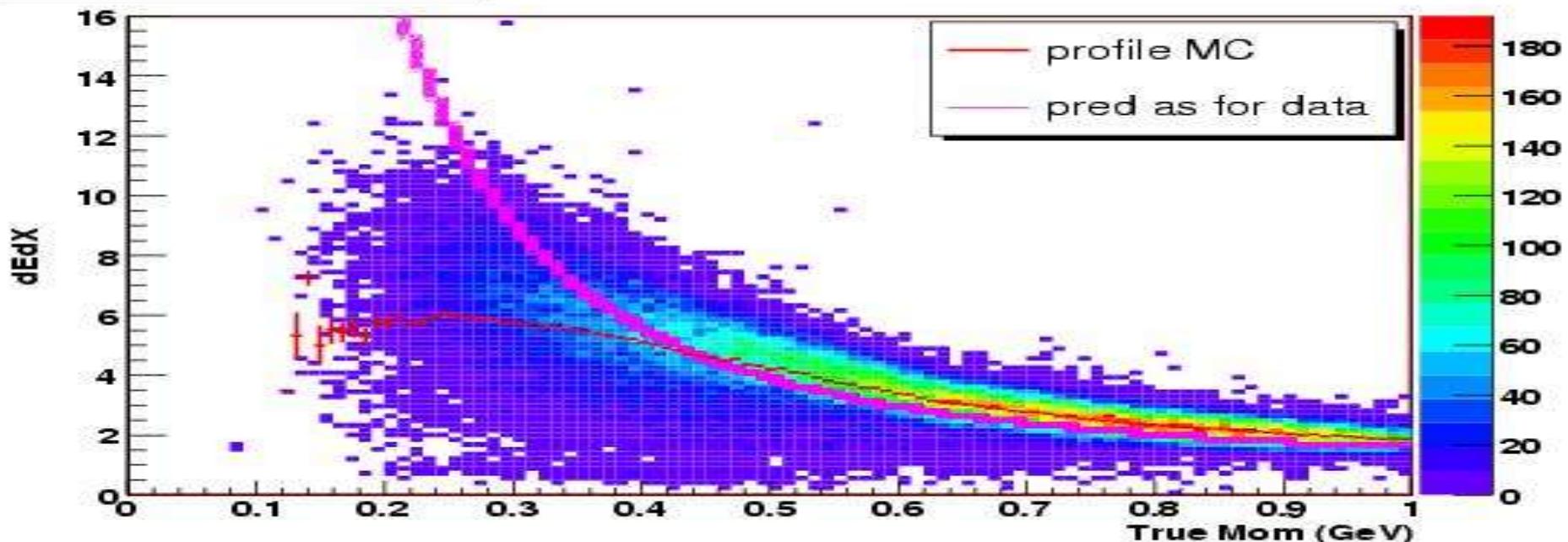


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Proton

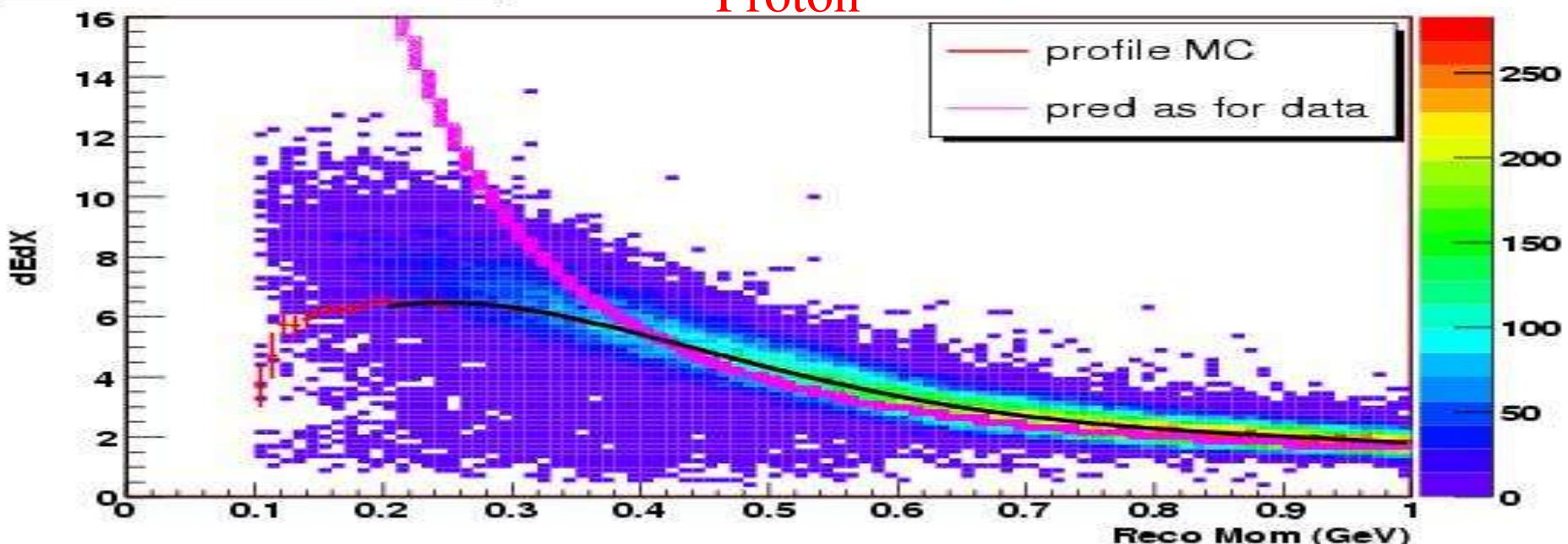


tdedx proton 20 25

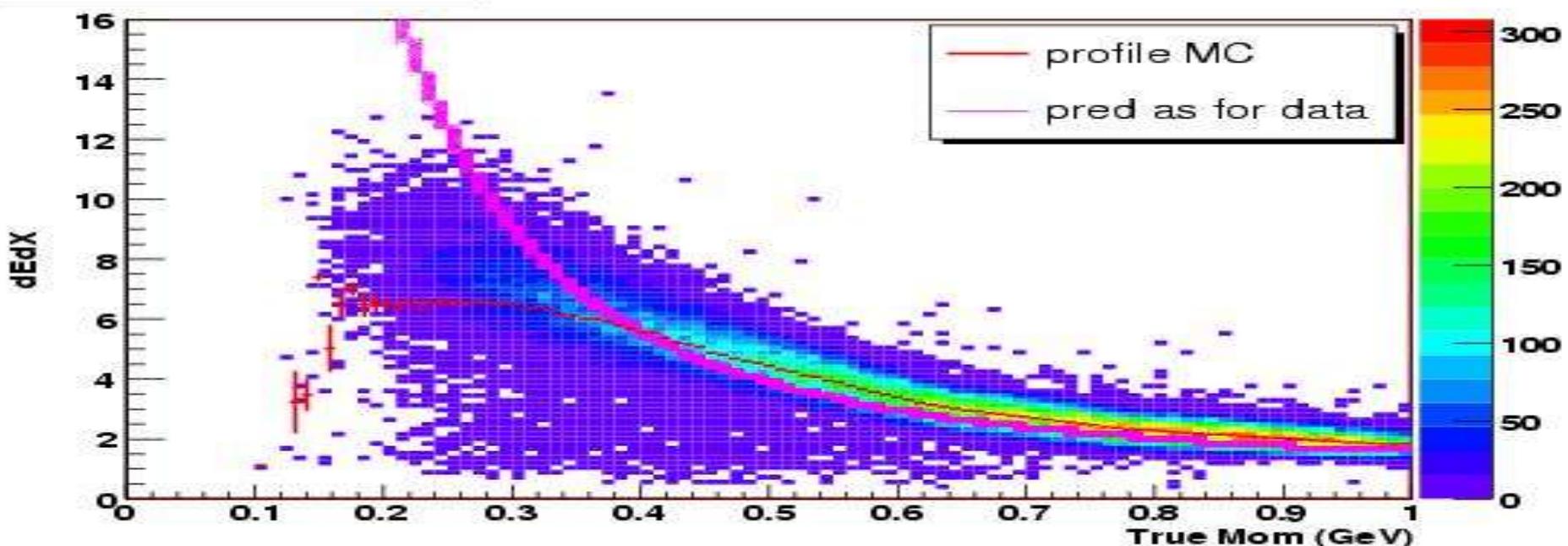


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Proton

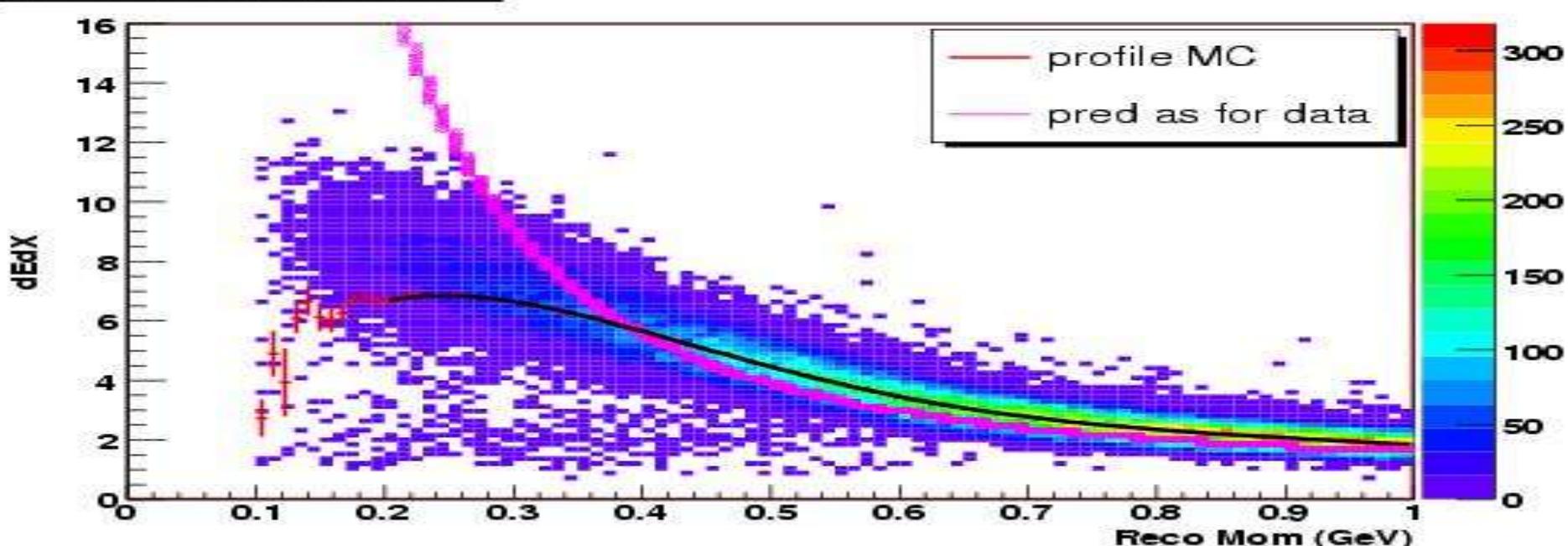


tdedx proton 25 30

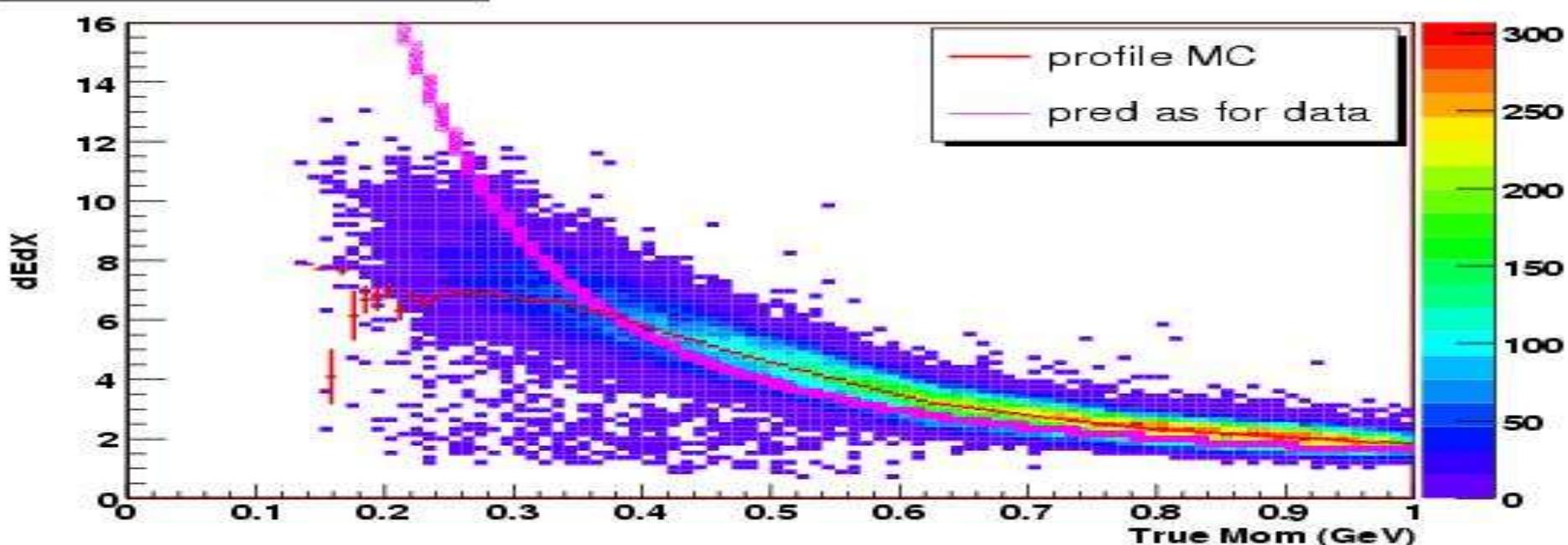


Proton

hdedx proton 30_35

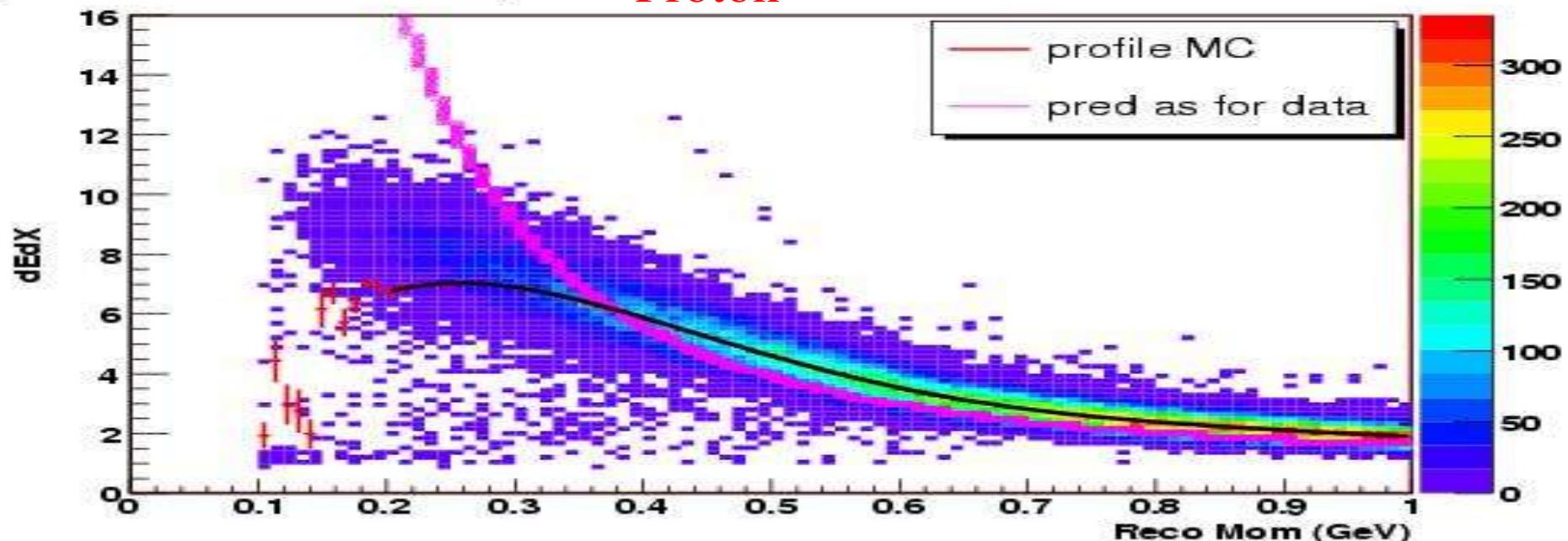


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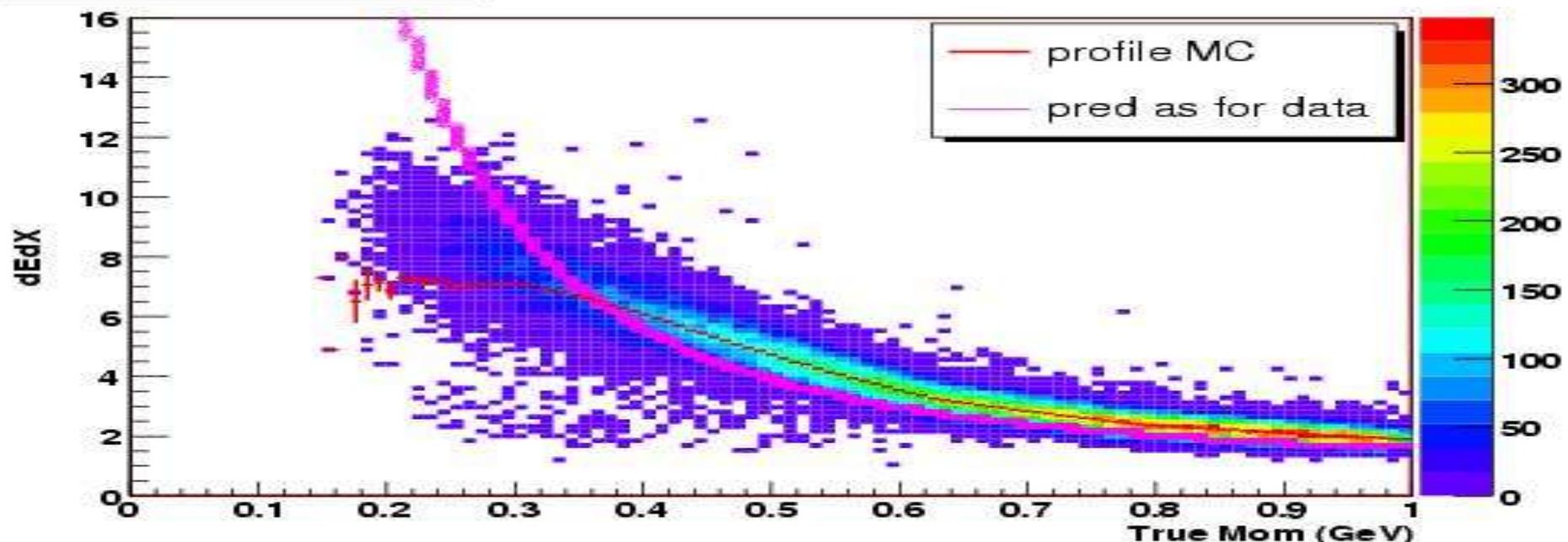


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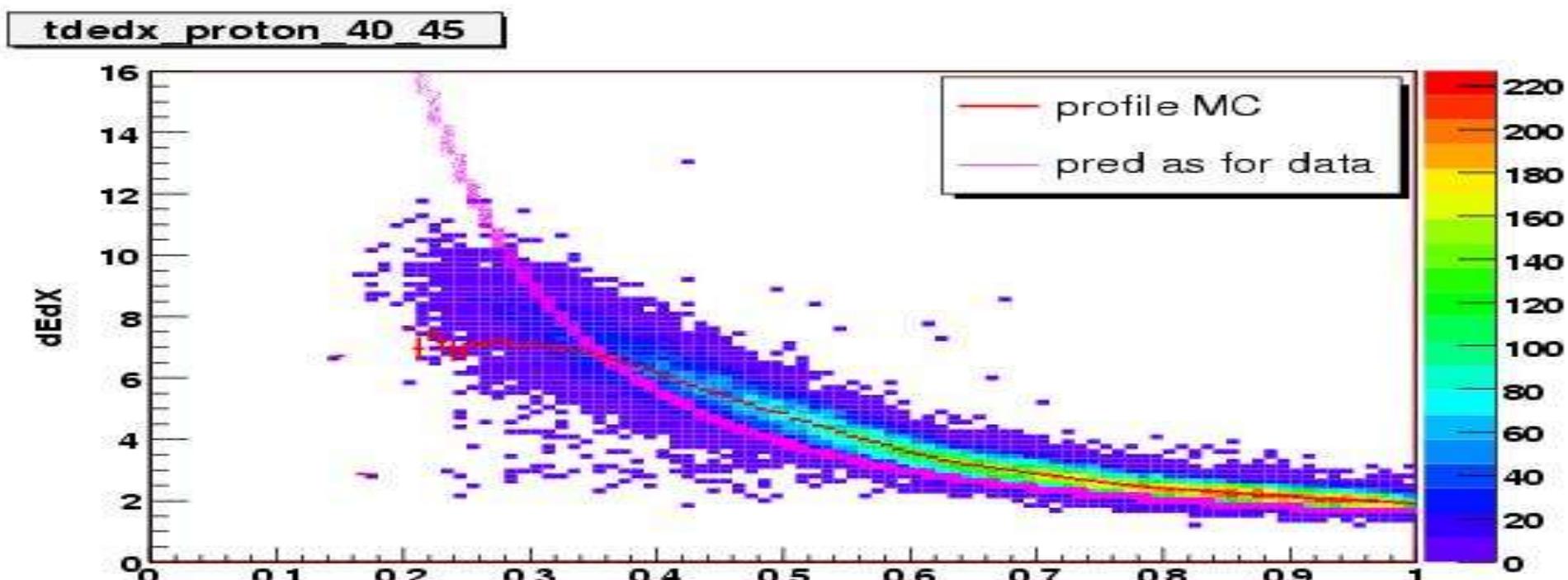
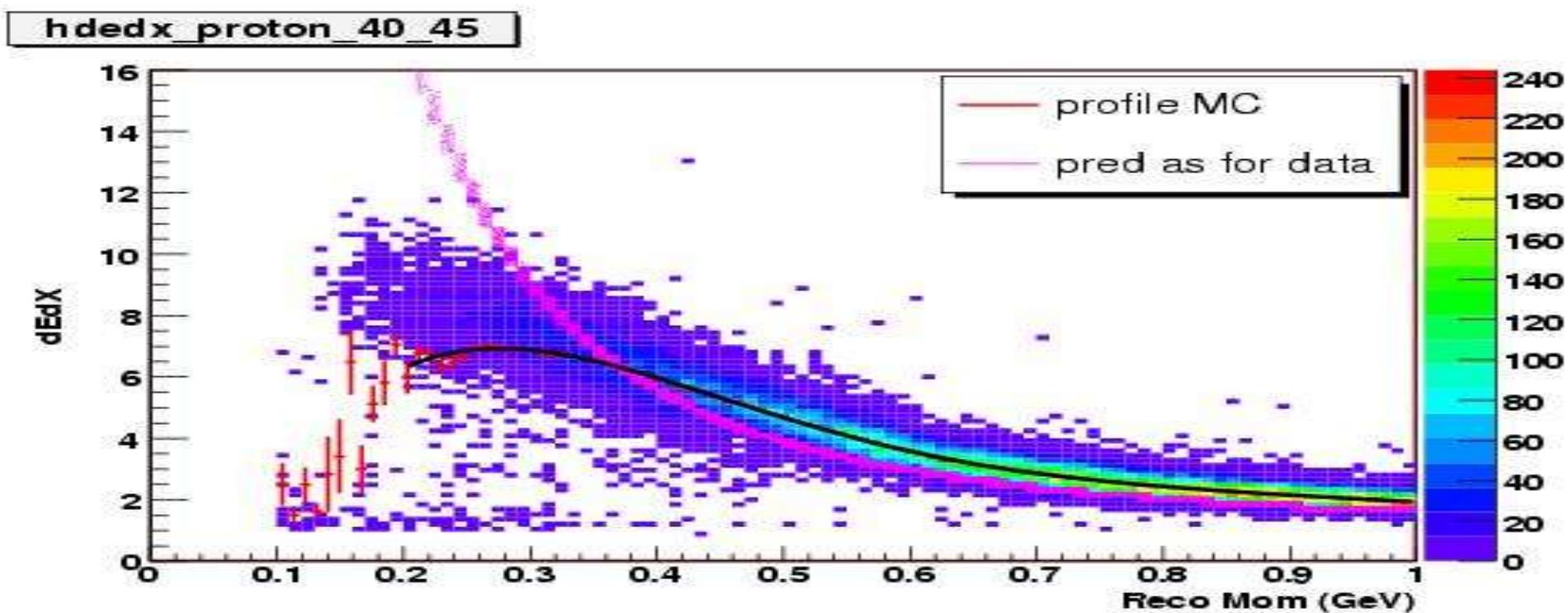
Proton



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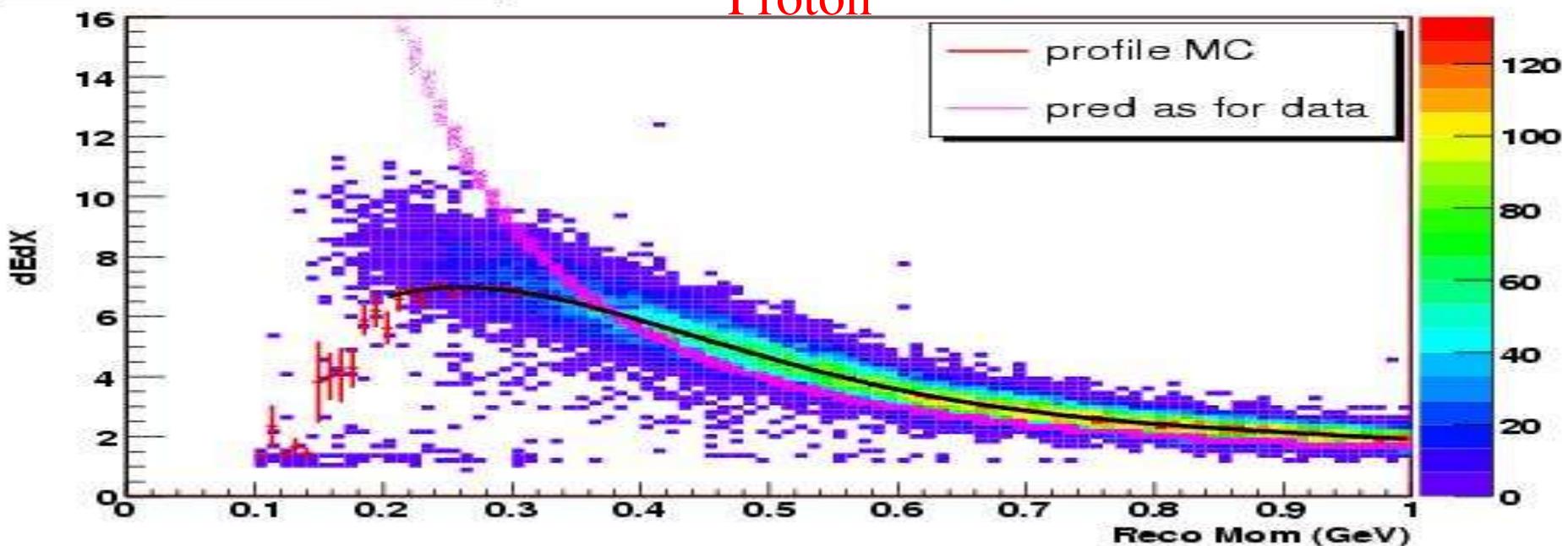


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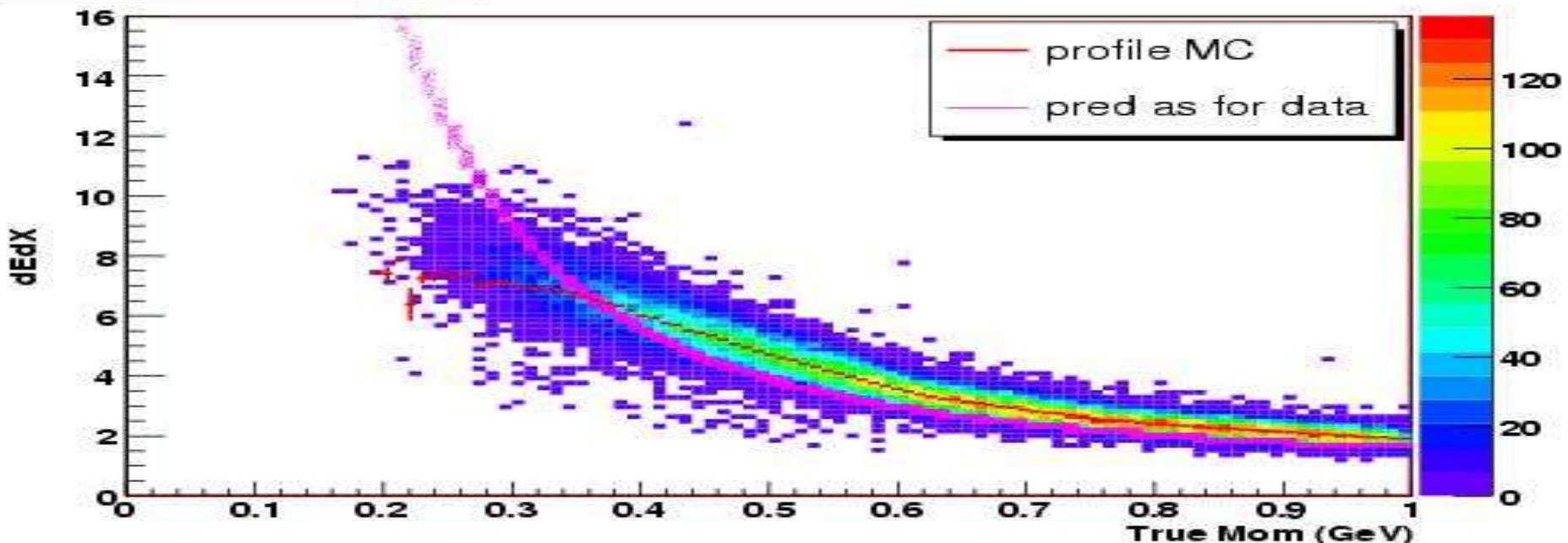


hdedx_proton_45_50

Proton

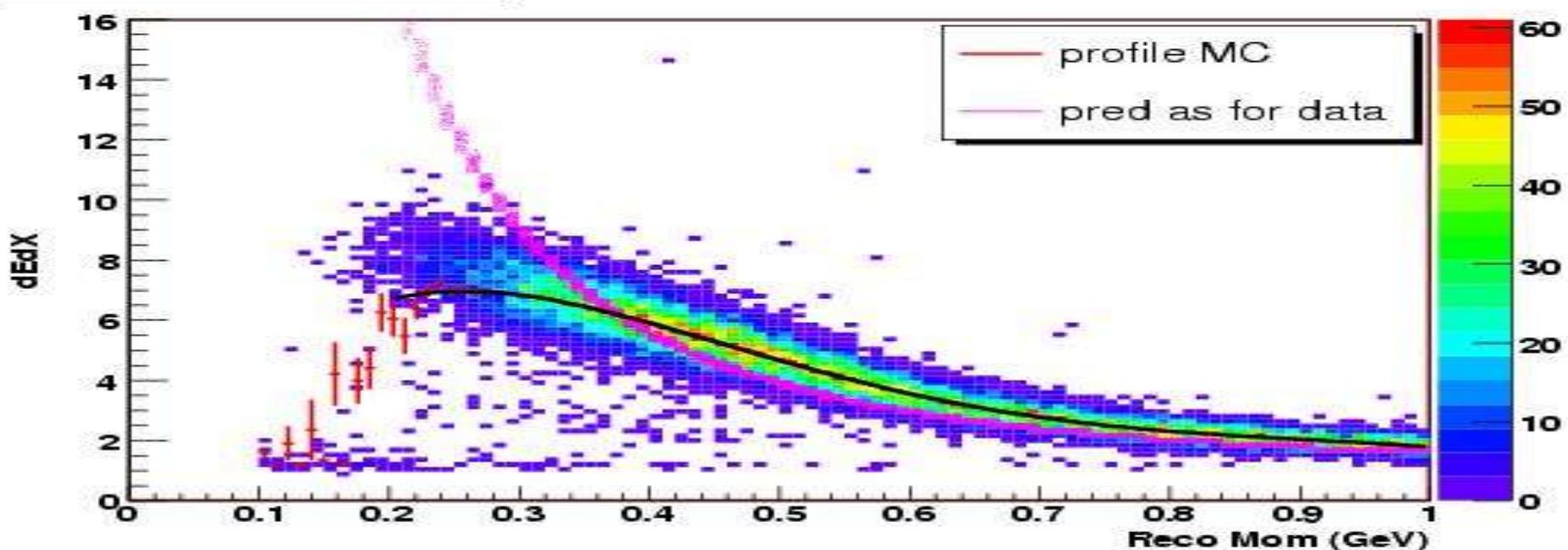


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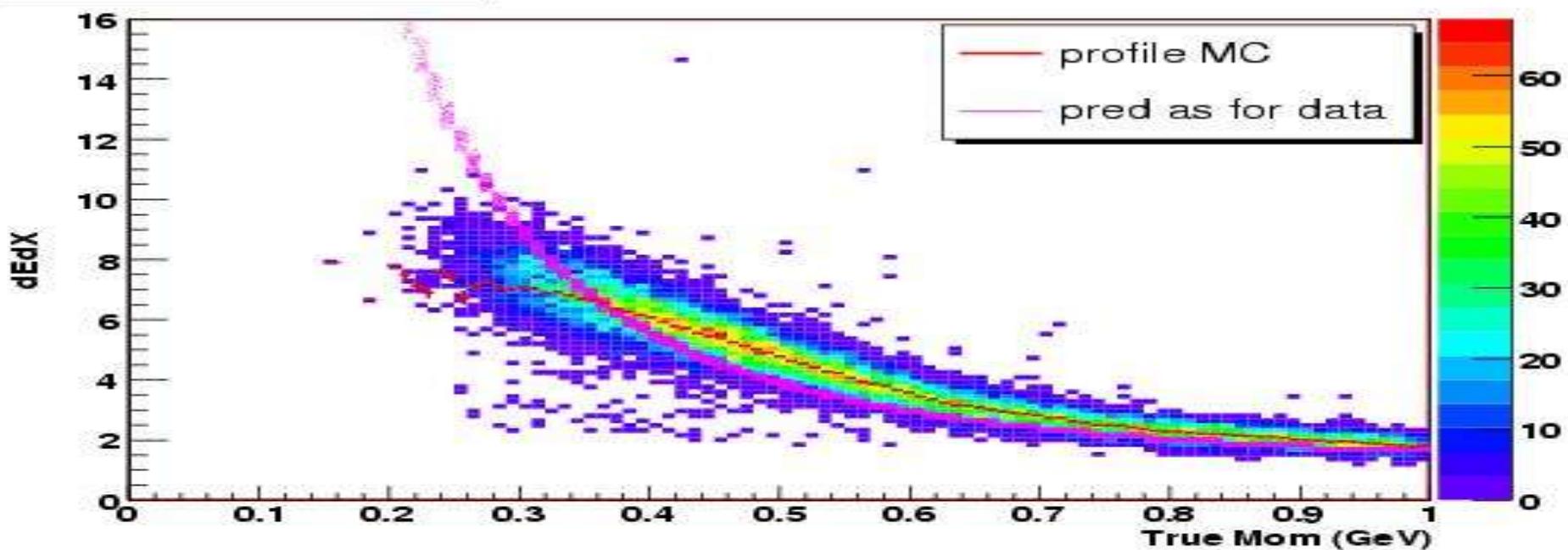


hdedx_proton_50_55

Proton

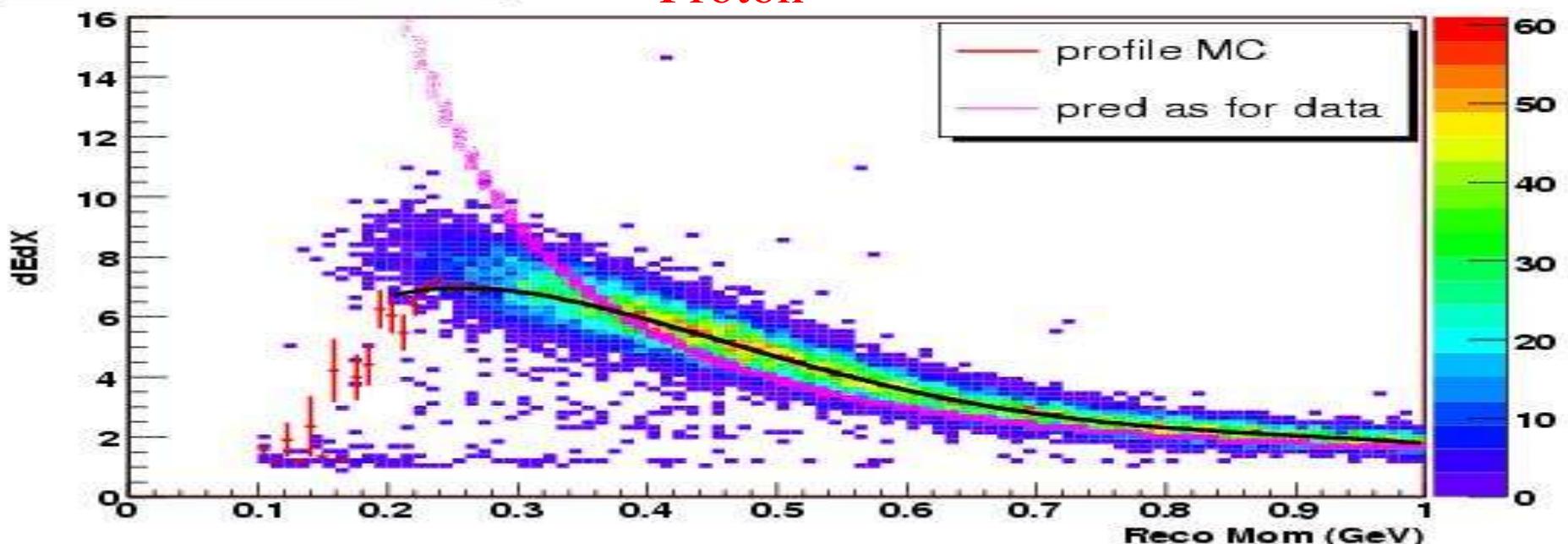


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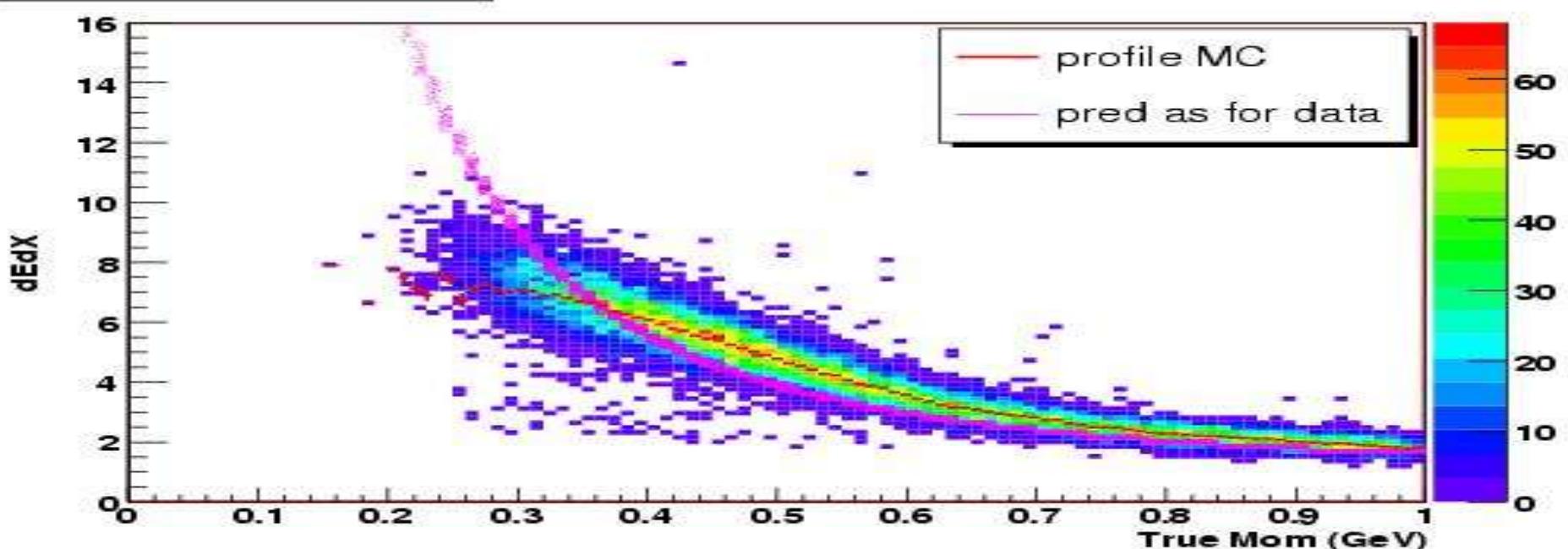


hdedx proton 50_55

Proton

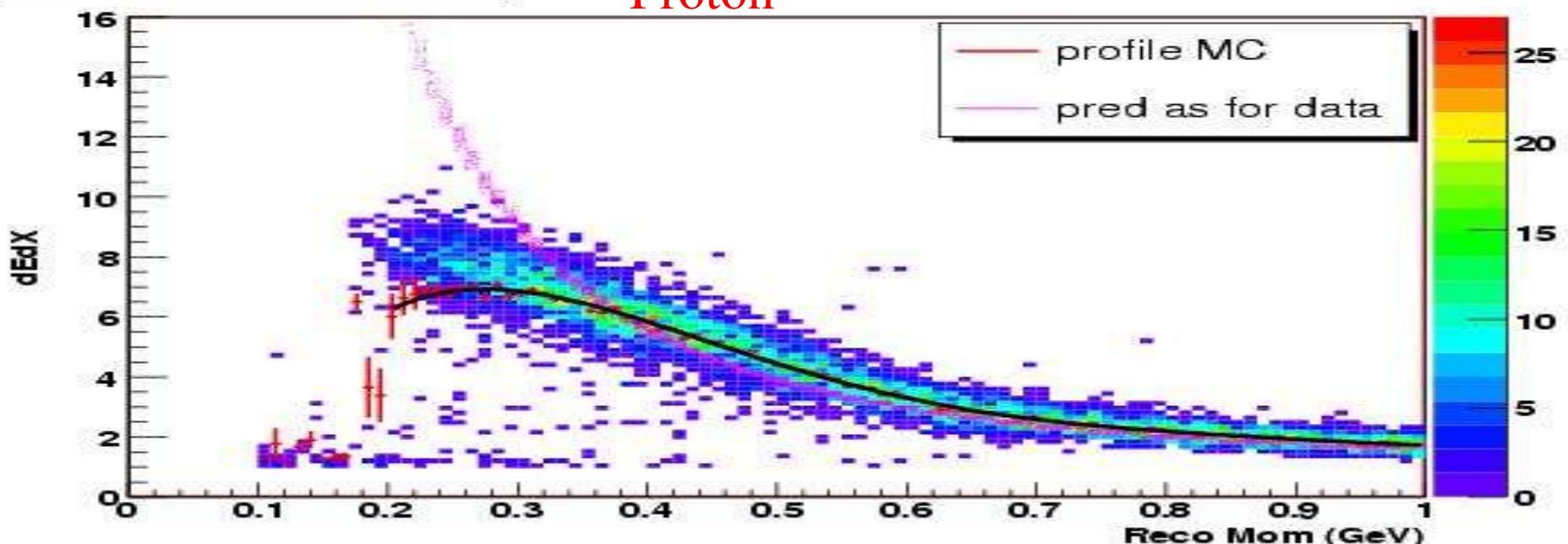
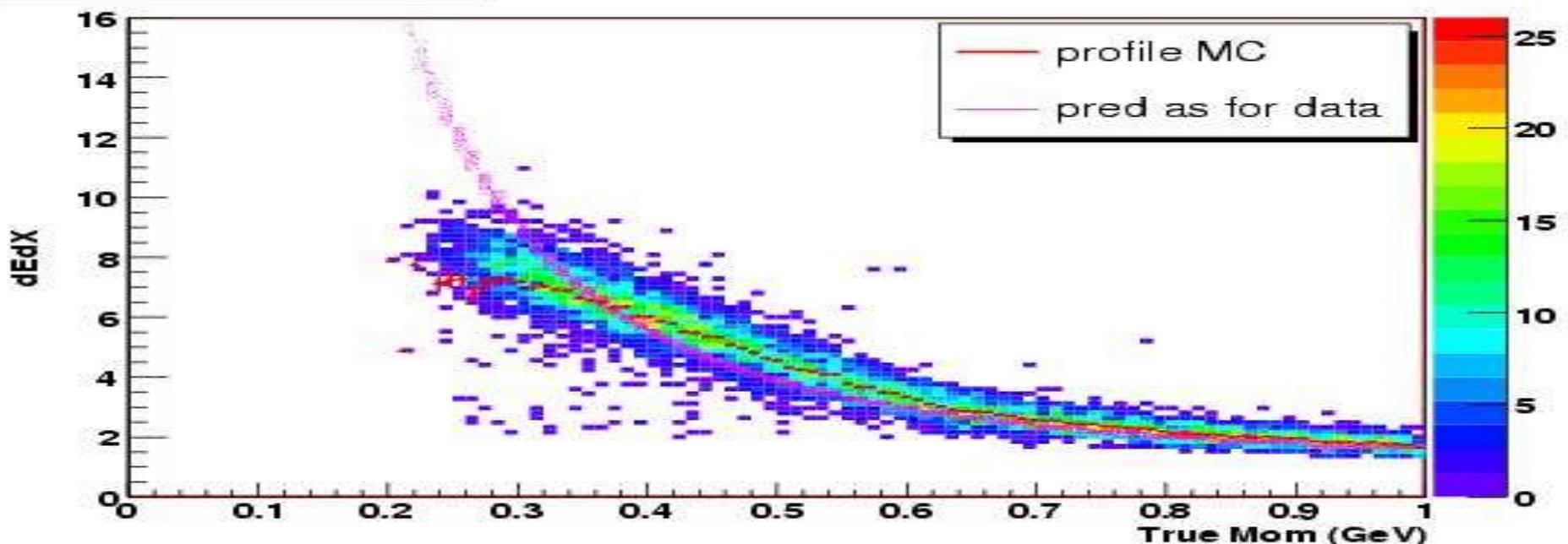


tdedx proton 50_55



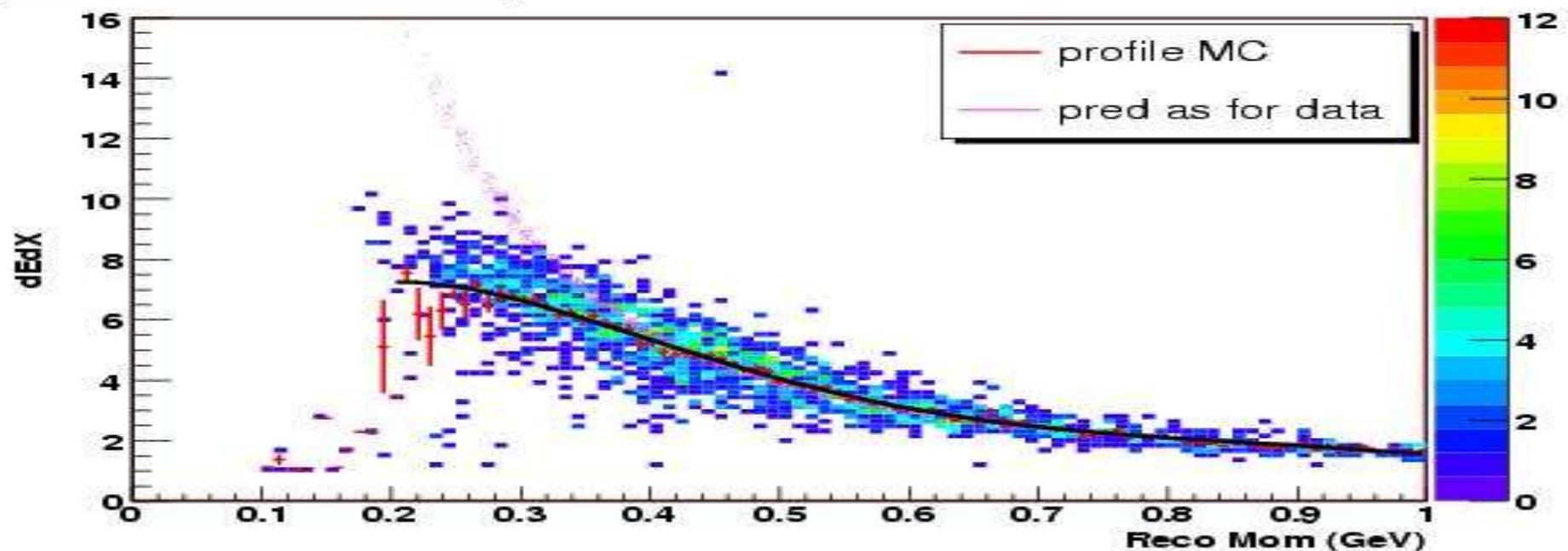
hdedx_proton_55_60

Proton

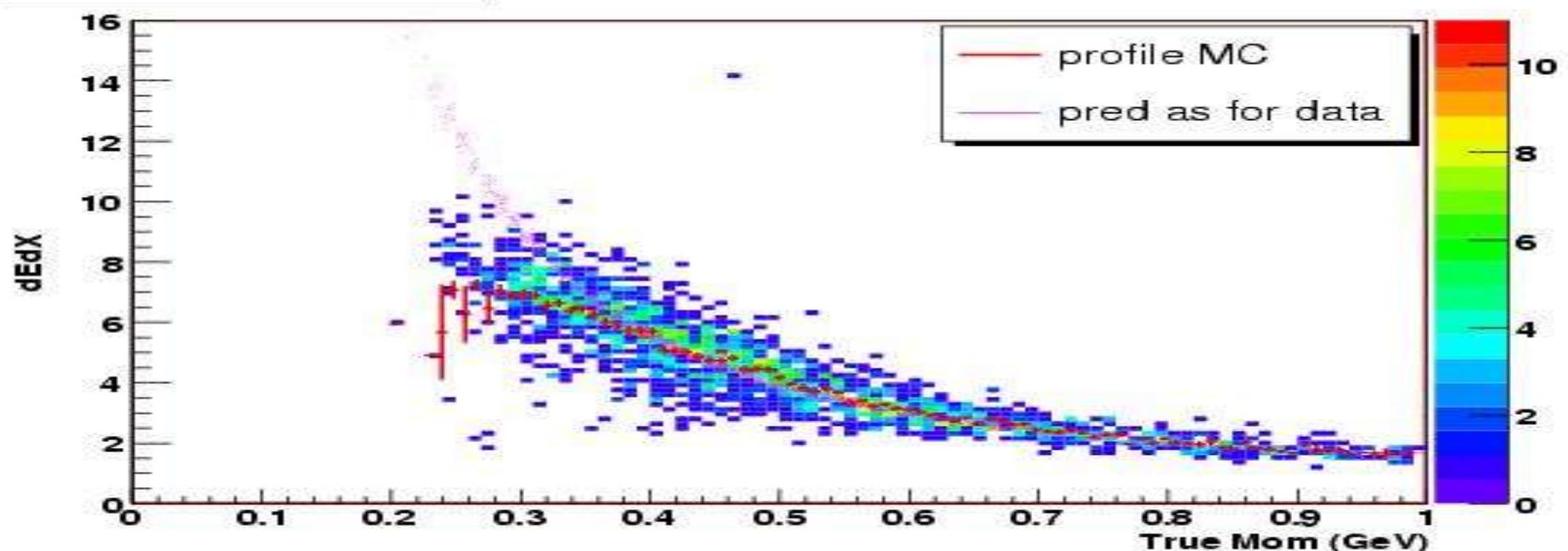
**tdedx proton 55 60**

Proton

hdedx proton 60_65

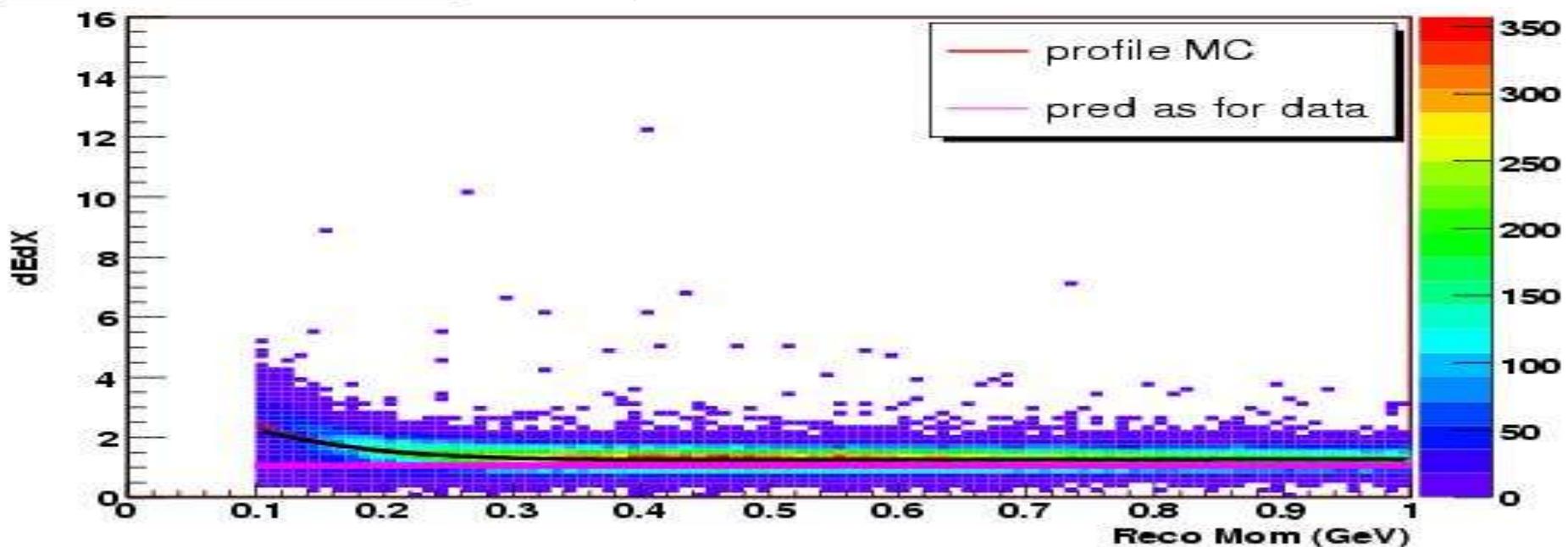
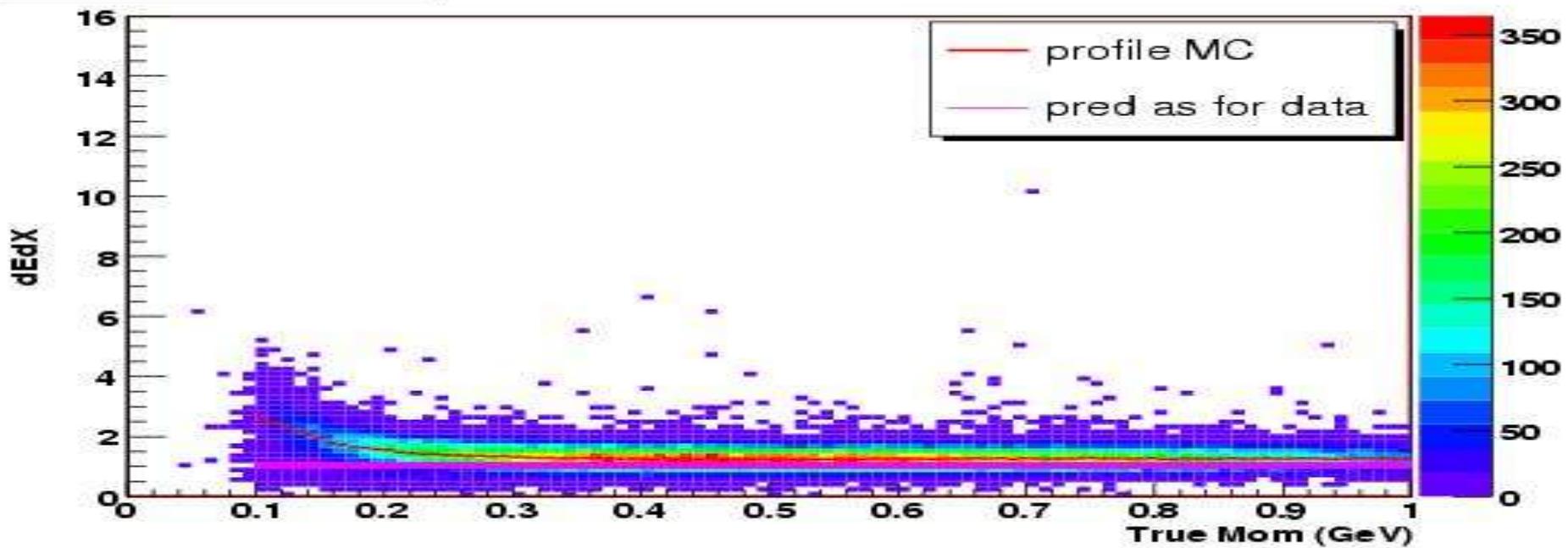


tdedx proton 60_65



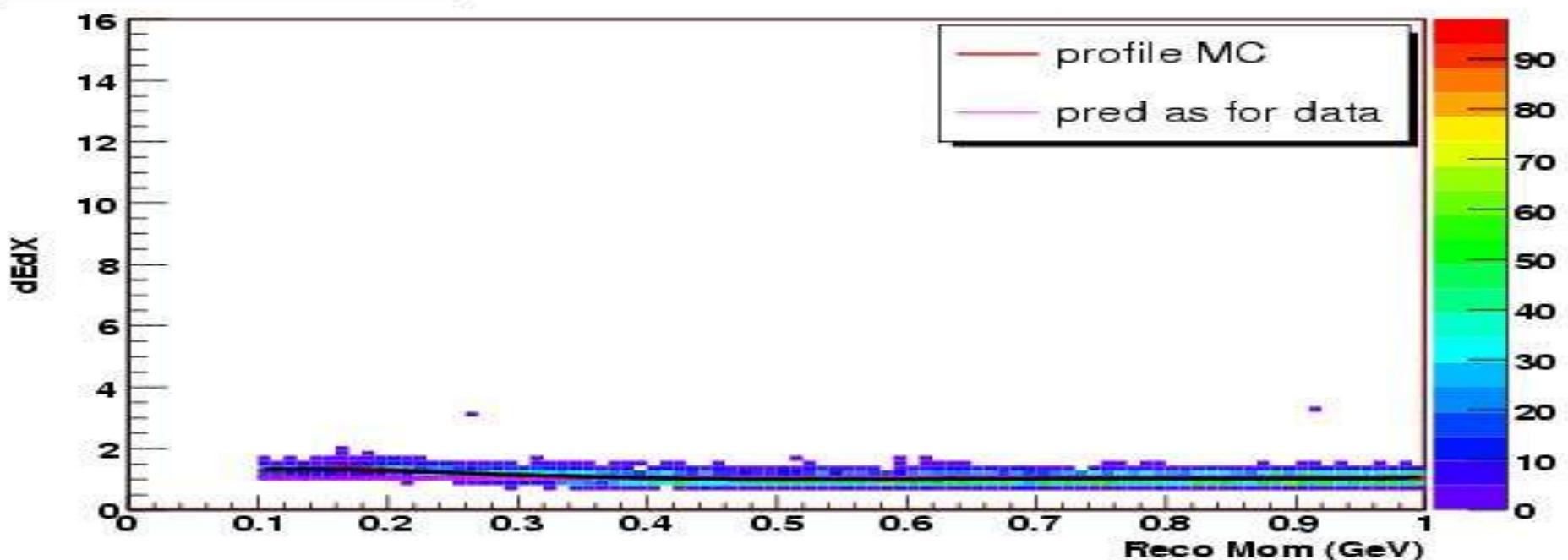
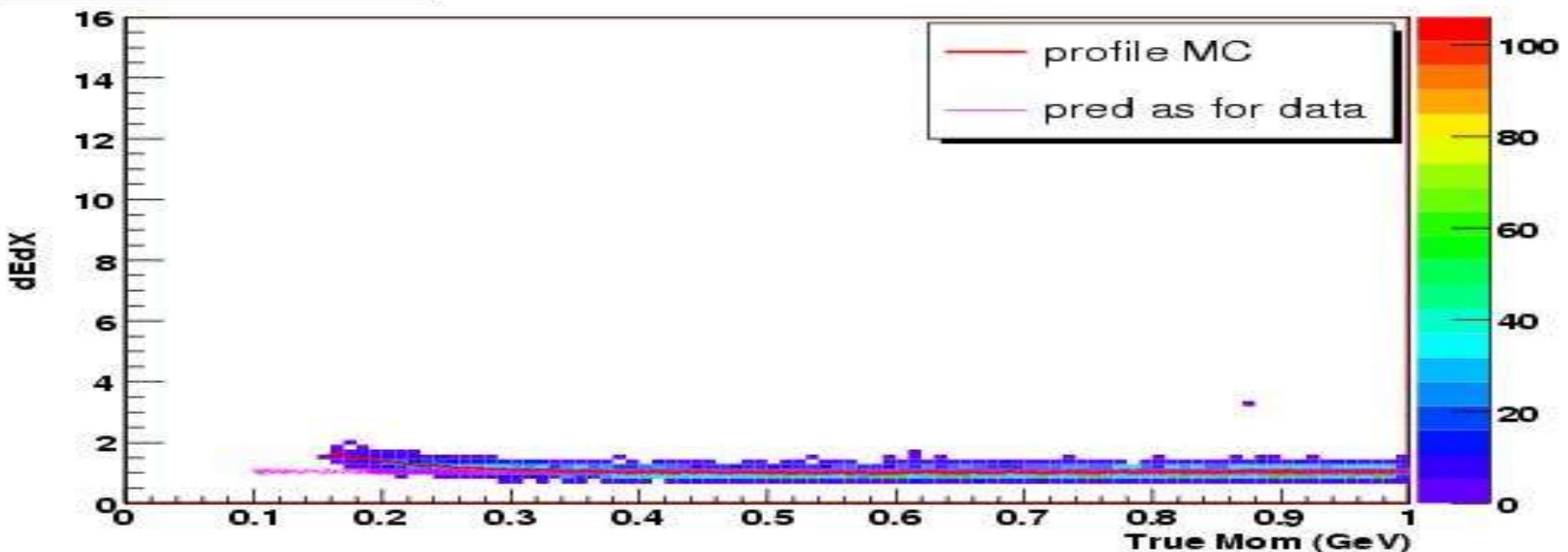
hdedx_pion_10_15

Pion

**tdedx_pion_10_15**

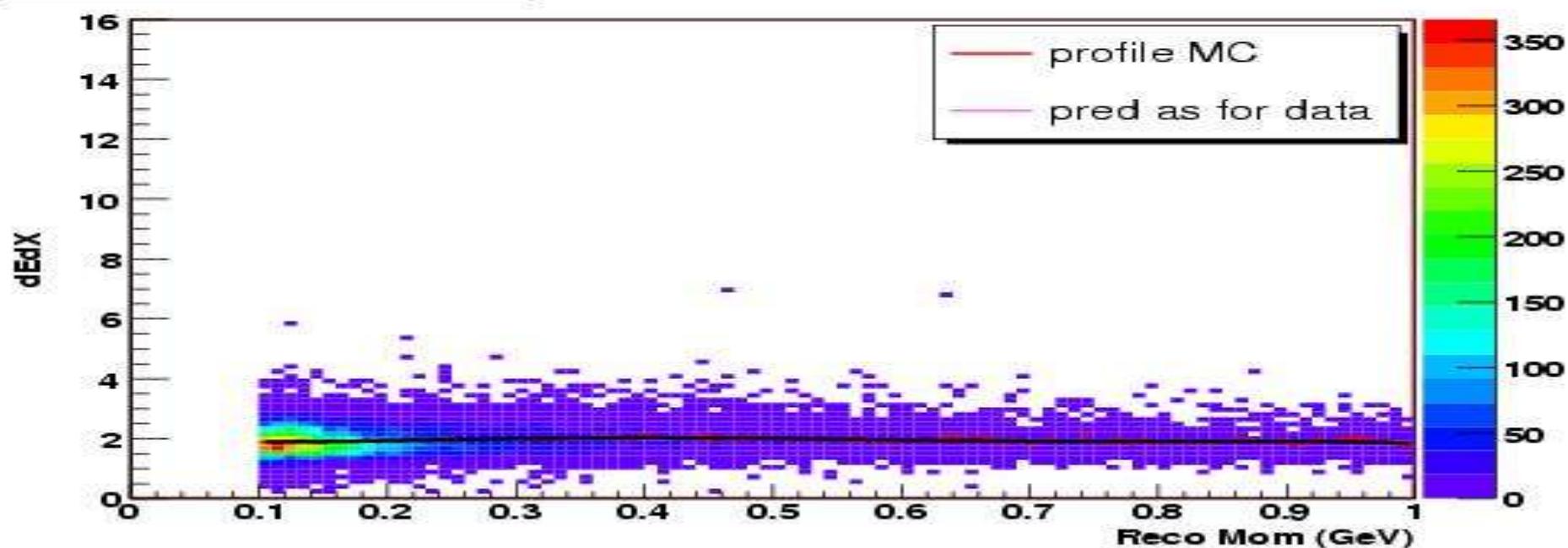
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Pion

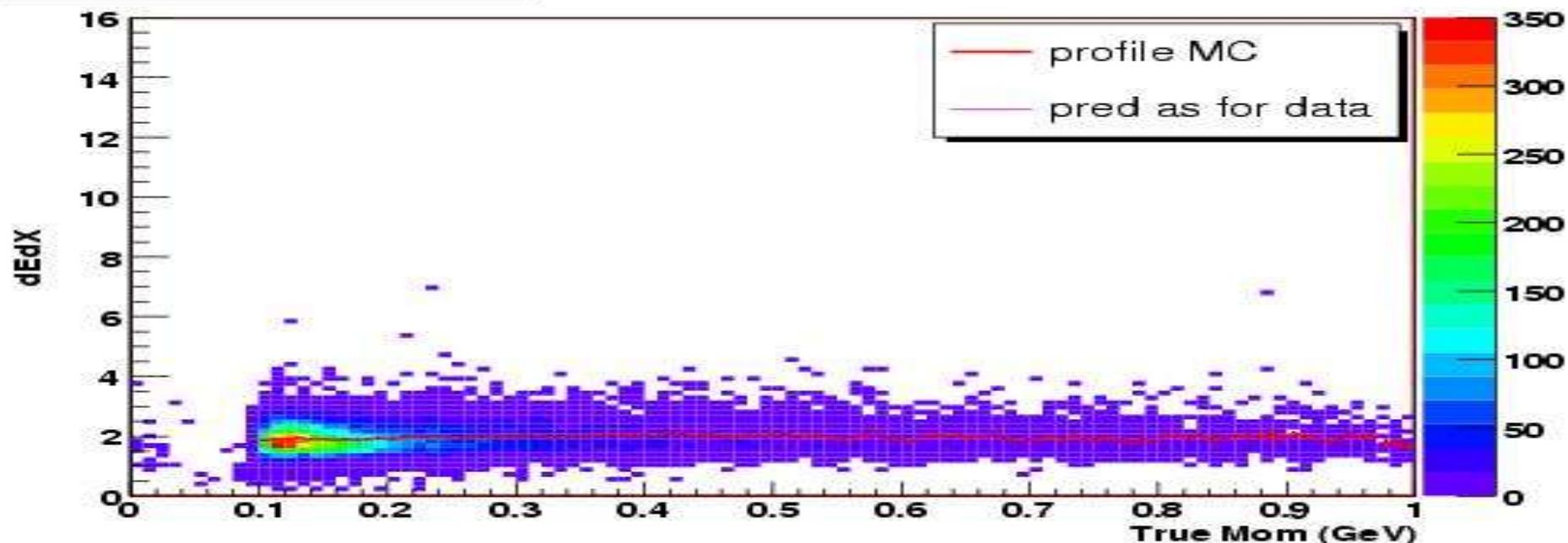
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Electron

hdedx_electron_10_15

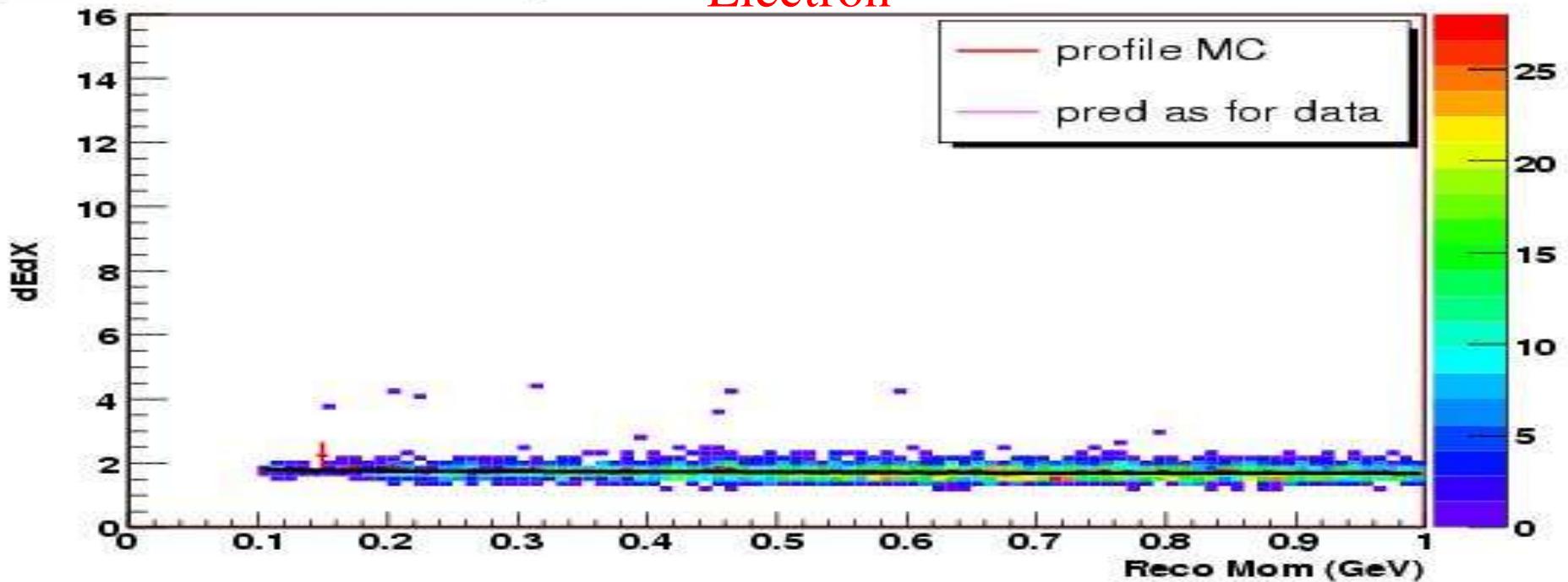


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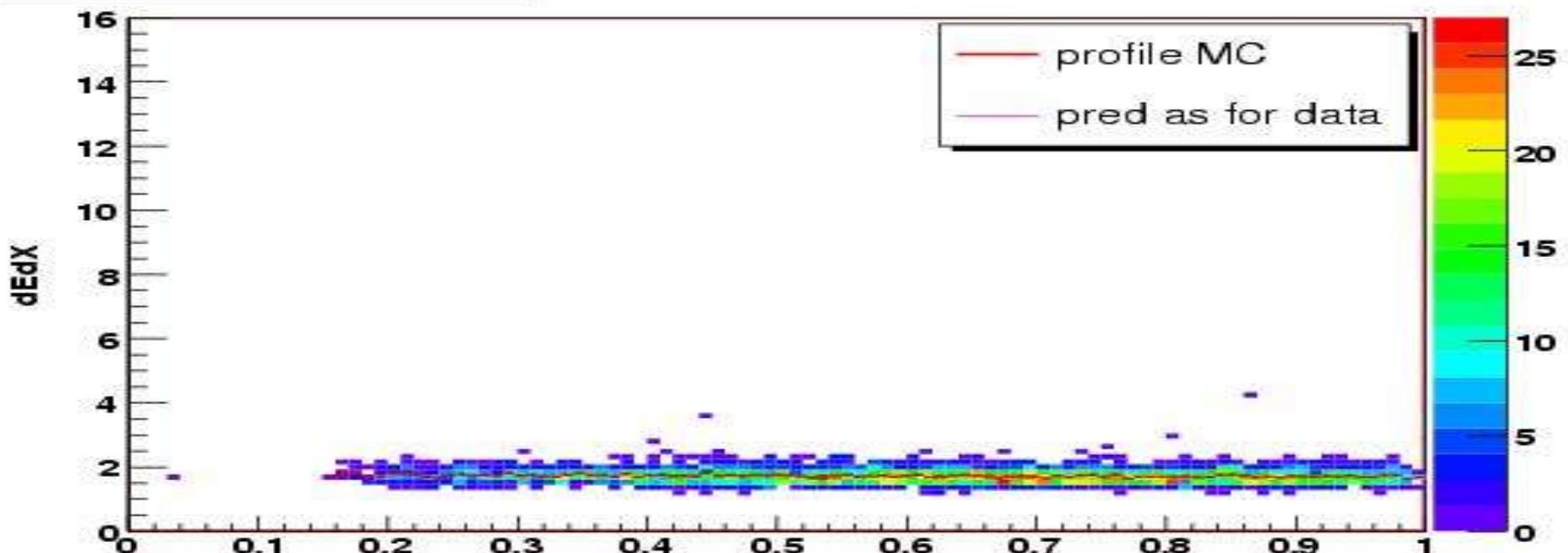


hdedx_electron_55_60

Electron

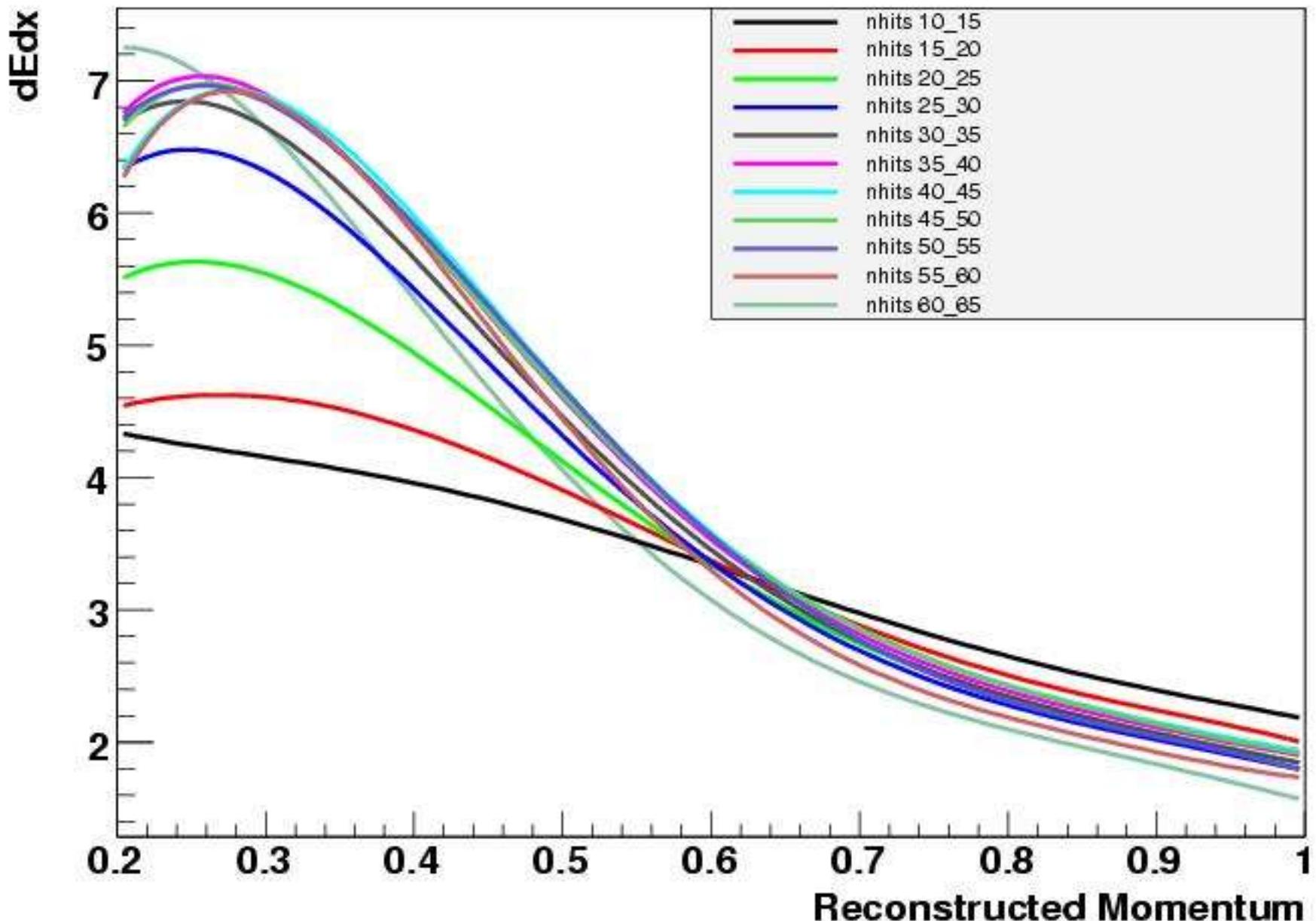


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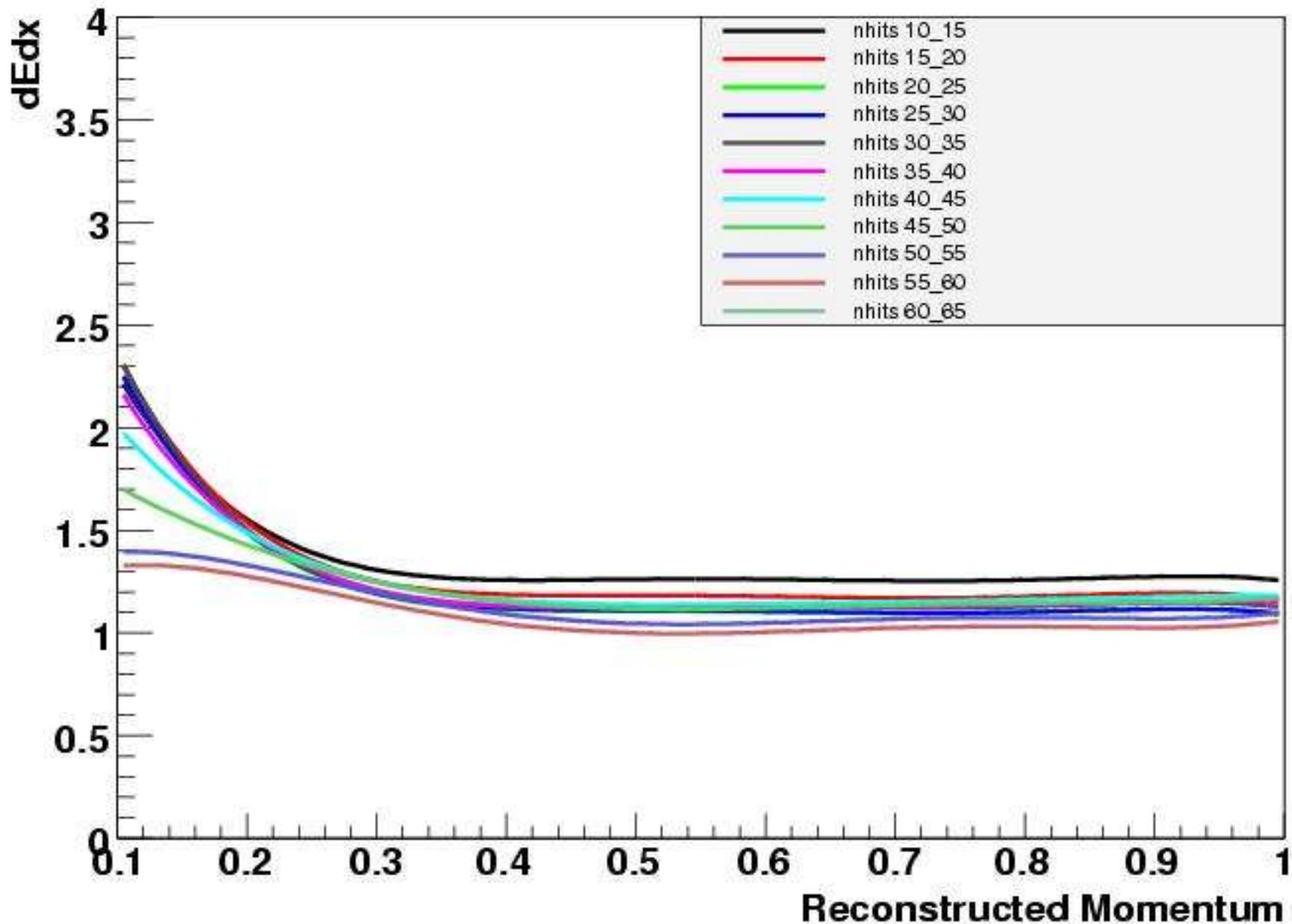
Profile Functions of Proton for MC for different nhits

pol5



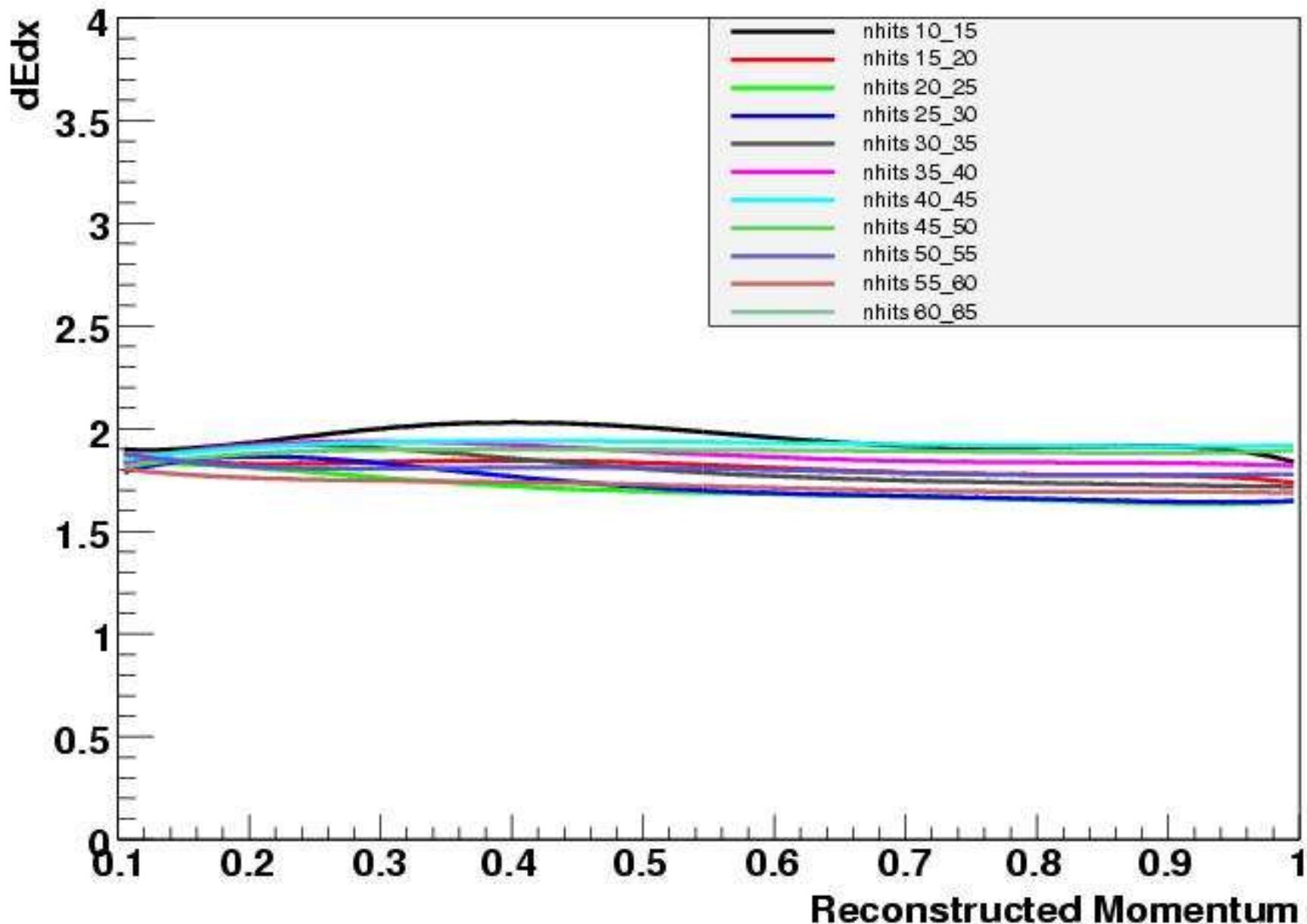
Profile Functions of Pion for MC for different nhits

pol5



Profile Functions of Electron for MC for different nhits

pol5

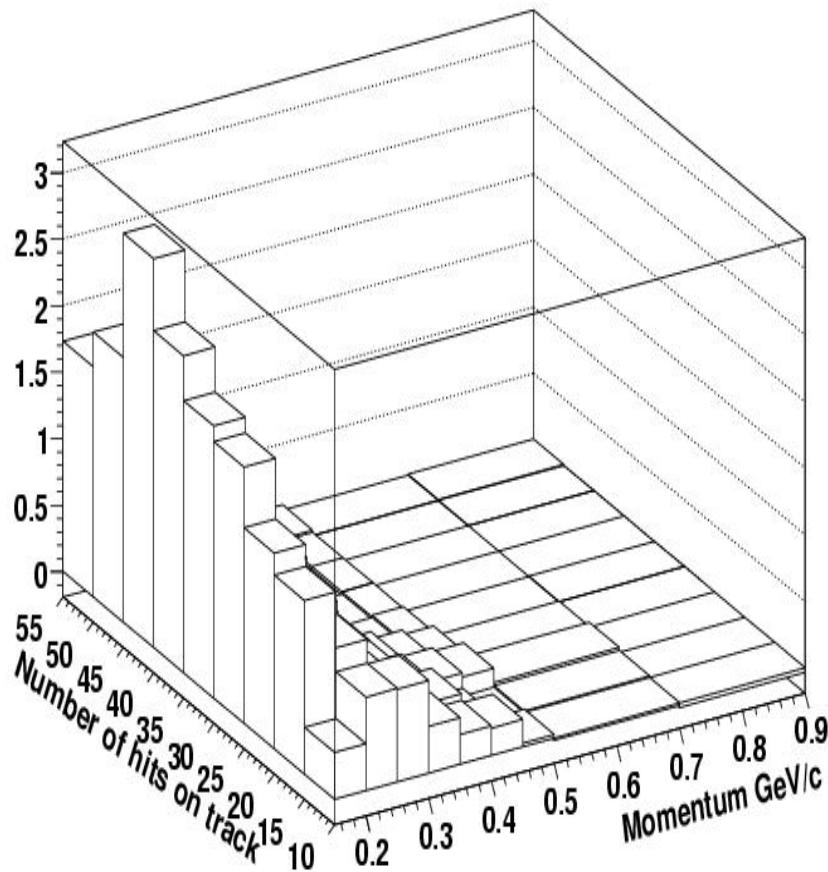


Comparison of Means for Protons

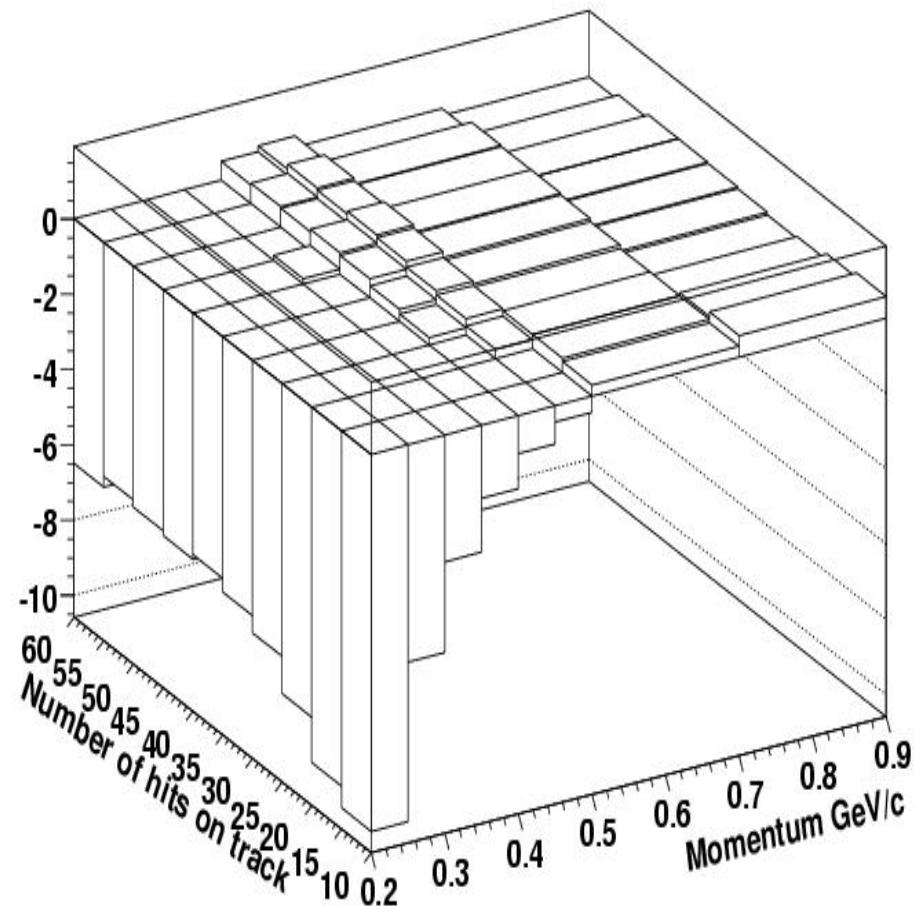
Means (dEdx – Calculated dEdx)

Means(dEdx- Predicted dEdx)

Means as a function of nhits and momentum



Means as a function of nhits and momentum

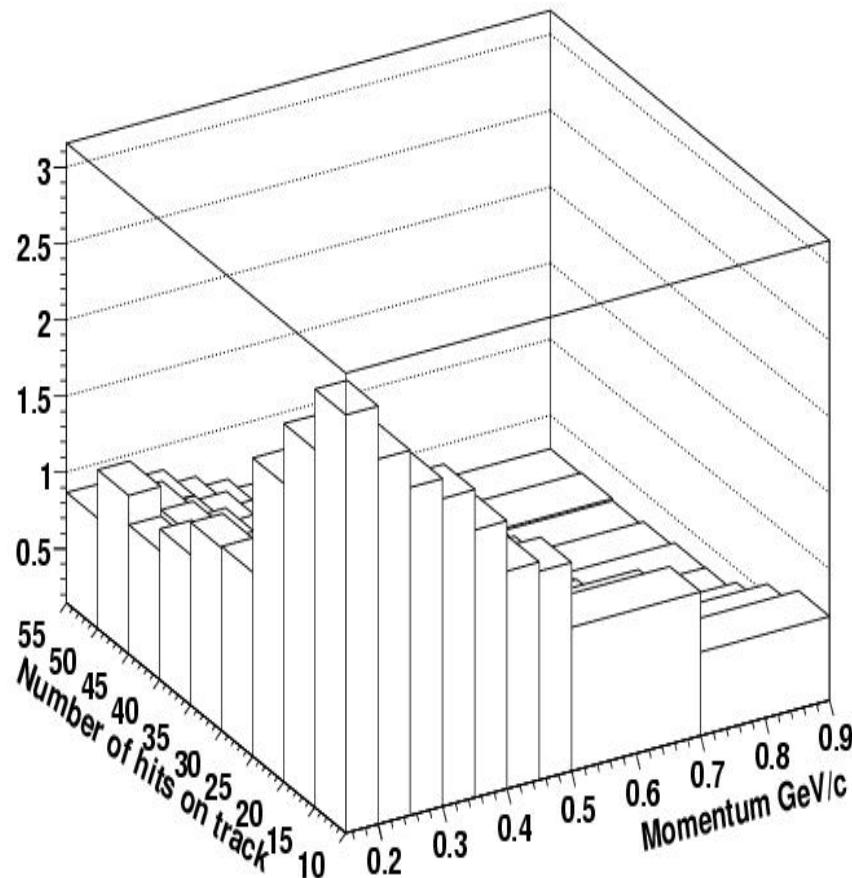


Comparison of Sigmas for Protons

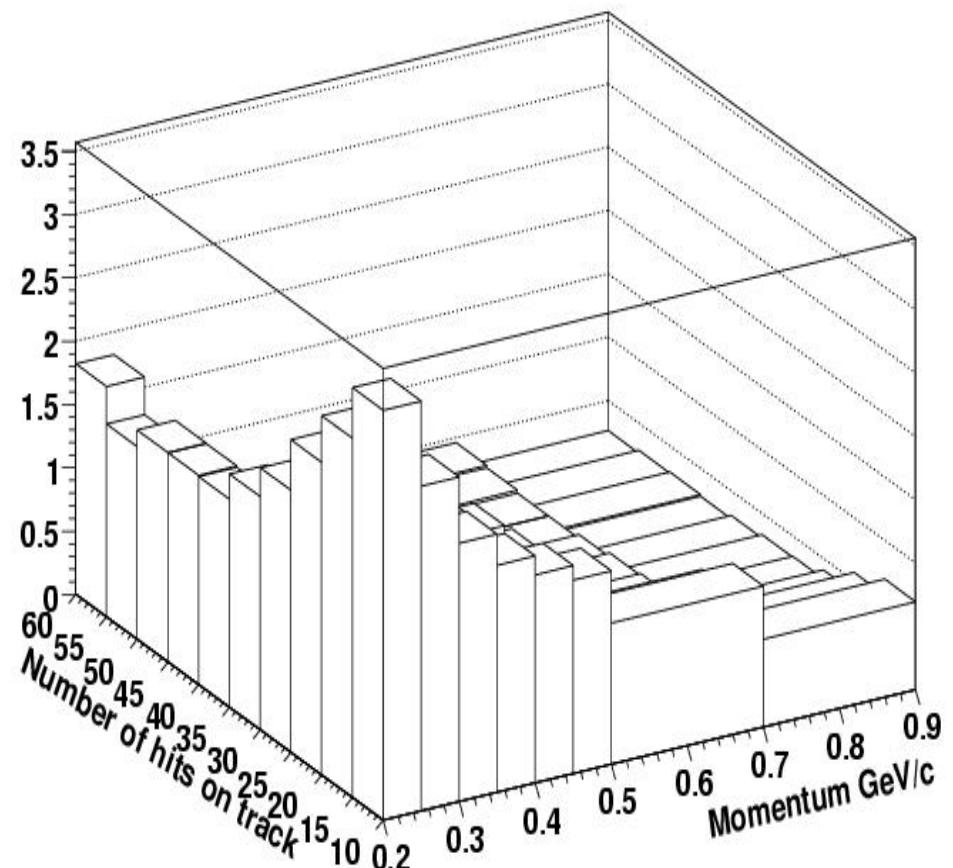
Sigmas (dEdx – Calculated dEdx)

Sigmas(dEdx- Predicted dEdx)

Sigmas as a function of nhits and momentum



Sigmas as a function of nhits and momentum

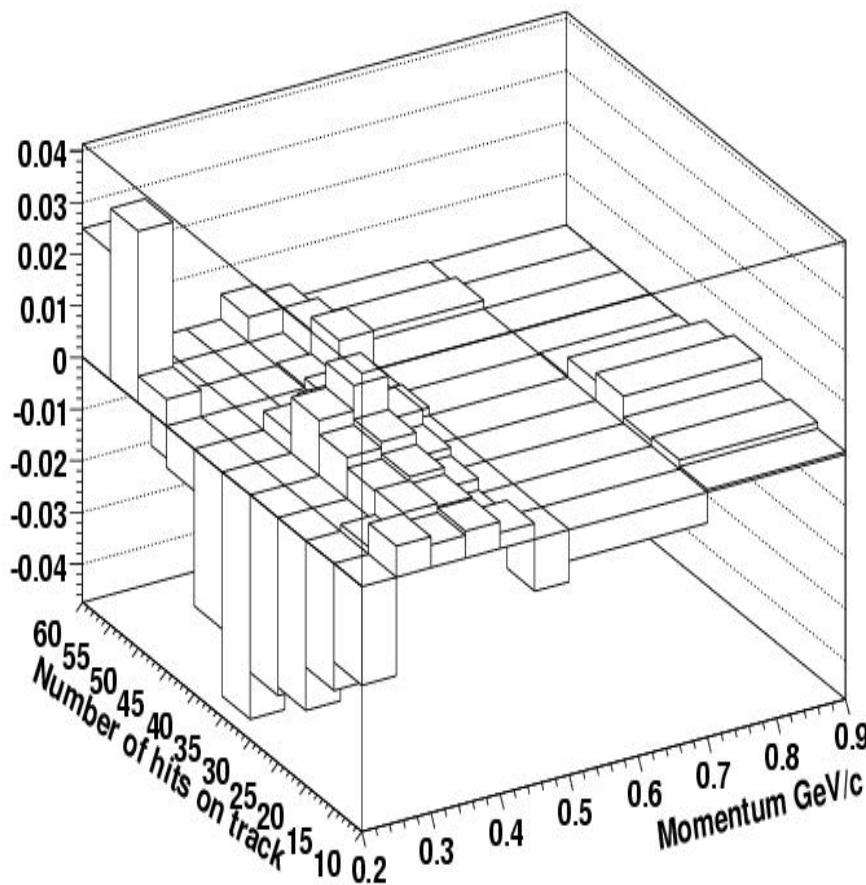


Comparison of Means for Pions

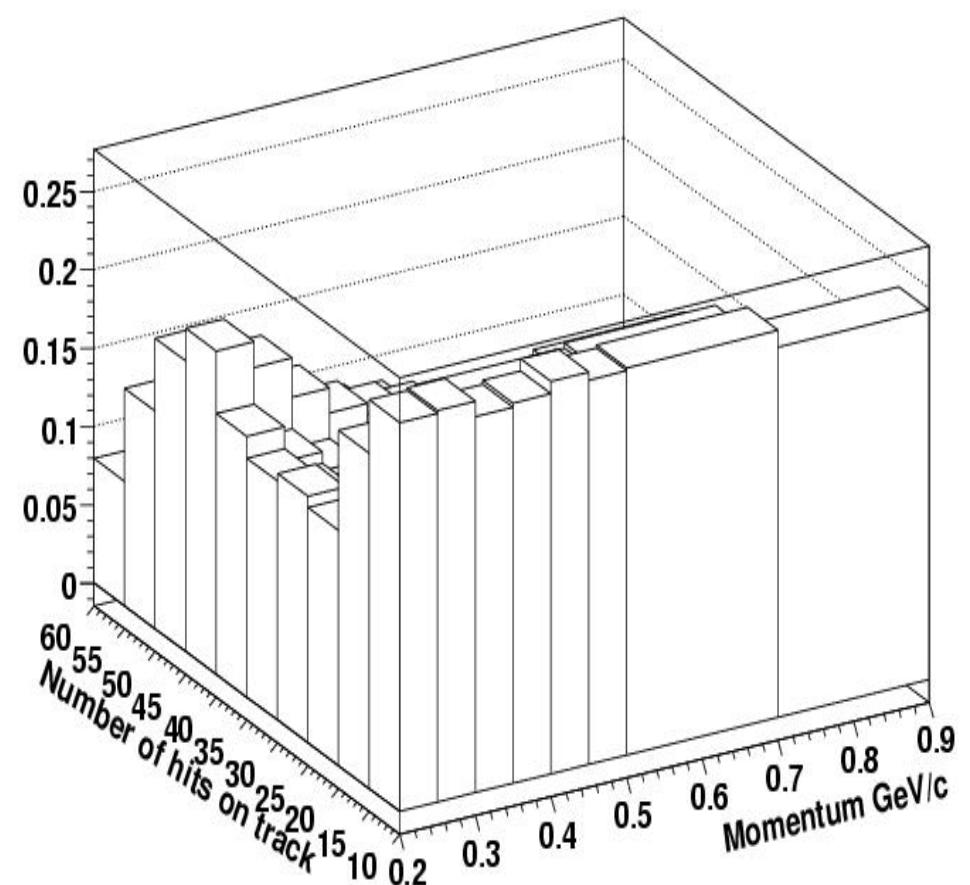
Means (dEdx – Calculated dEdx)

Means (dedx – Predicted dEdx)

Means as a function of nhits and momentum



Means as a function of nhits and momentum

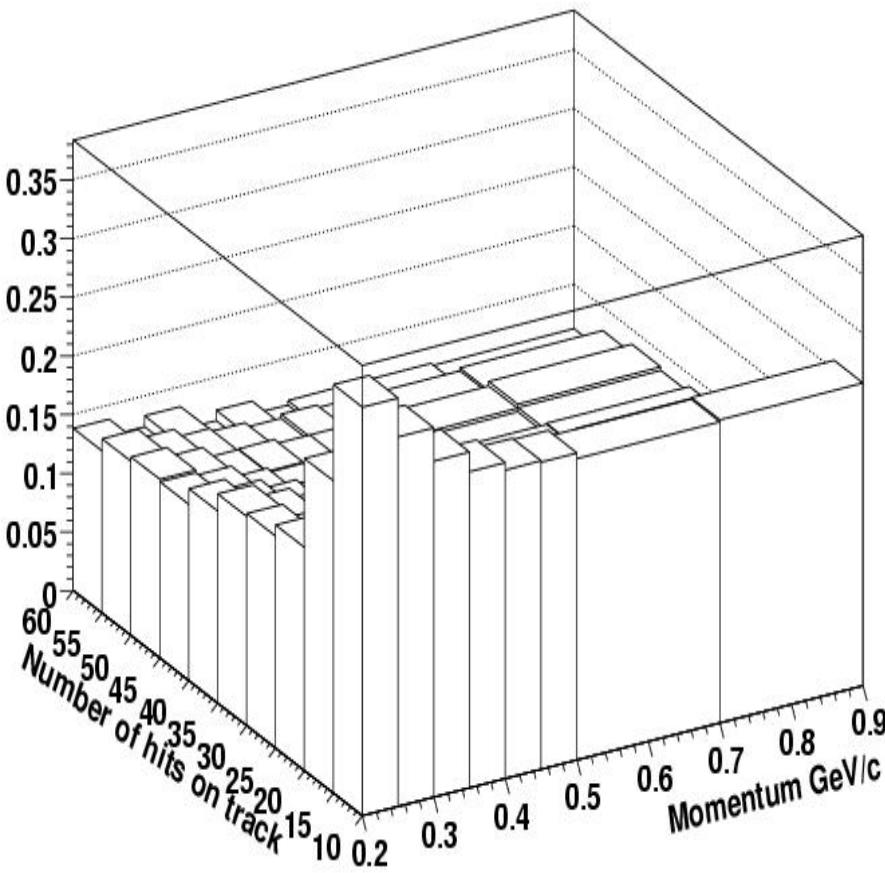


Comparison of Sigmas for Pions

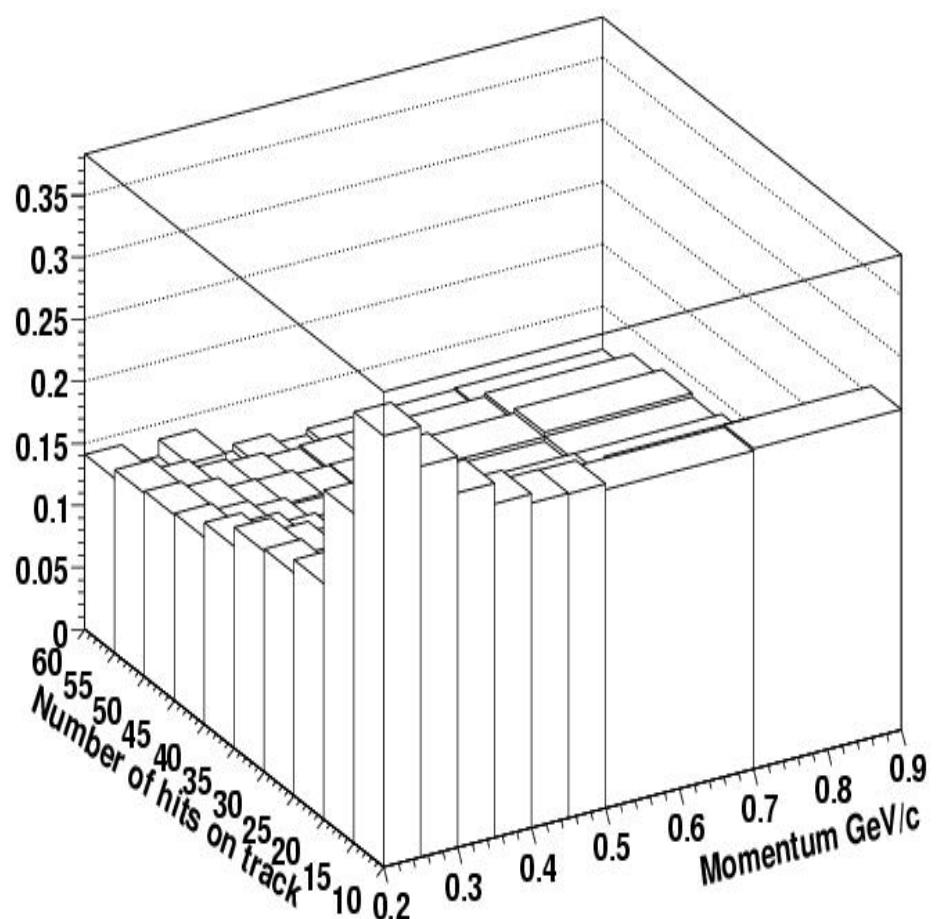
Sigmas (dEdx – Calculated dEdx)

Sigmas(dEdx- Predicted dEdx)

Sigmas as a function of nhits and momentum



Sigmas as a function of nhits and momentum

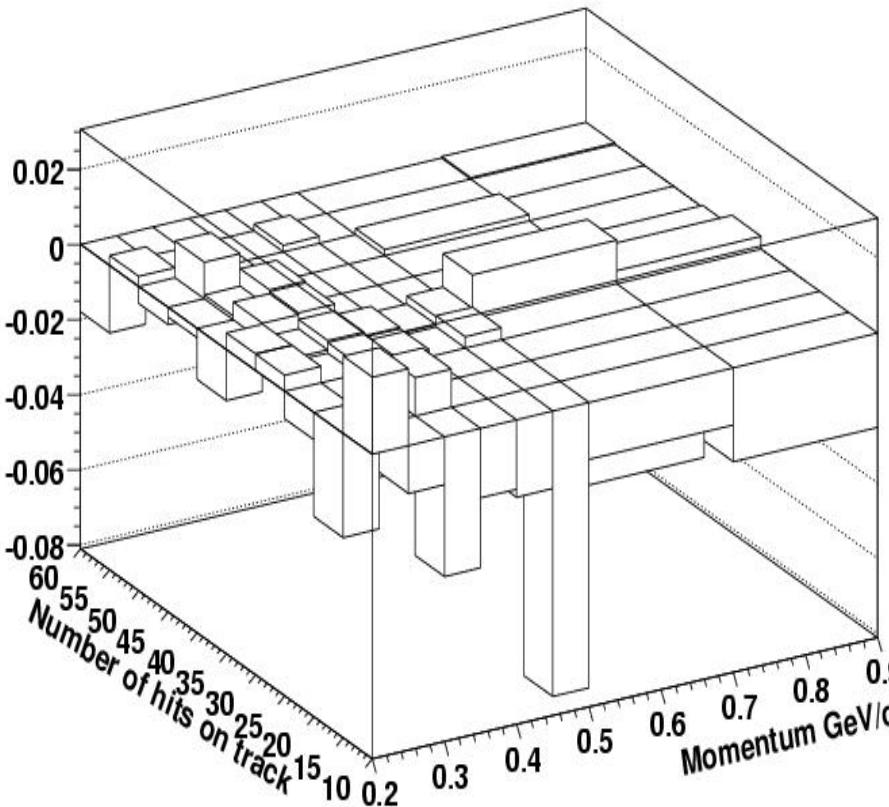


Comparison of Means for Electrons

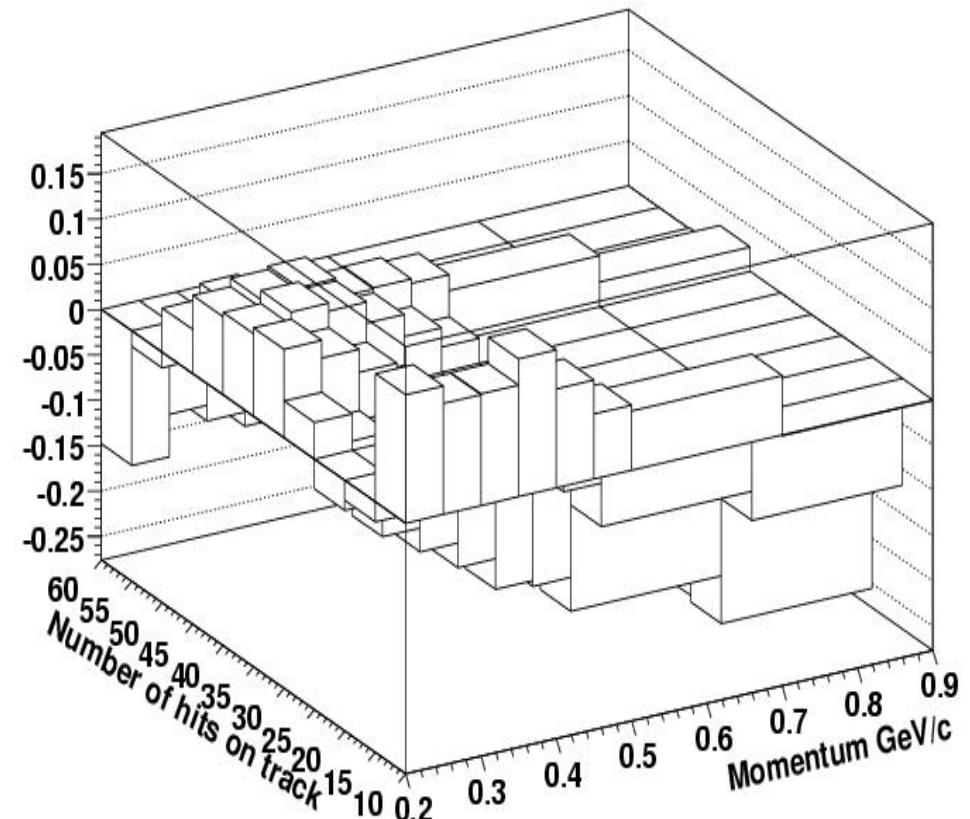
Means (dEdx – Calculated dEdx)

Means (dedx – Predicted dEdx)

Means as a function of nhits and momentum



Means as a function of nhits and momentum

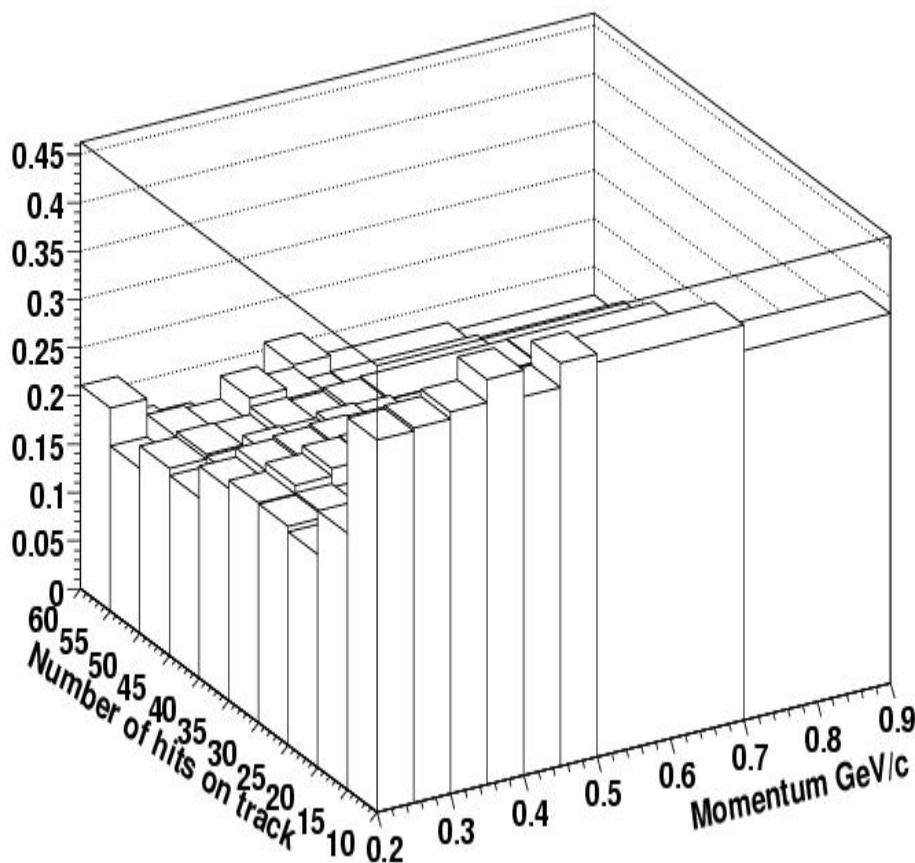


Comparison of Sigmas for Electrons

Sigmas (dEdx – Calculated dEdx)

Sigmas(dEdx- Predicted dEdx)

Sigmas as a function of nhits and momentum



Sigmas as a function of nhits and momentum

