Measurement of Non prompt J/Ψ in Pb-Pb collisions at 5.02 TeV

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ALICE-IFJ Meetings

Outline:

- **Acc * Eff cerrections from MC**
- **Description of Fbkg(x) in ML-fits**

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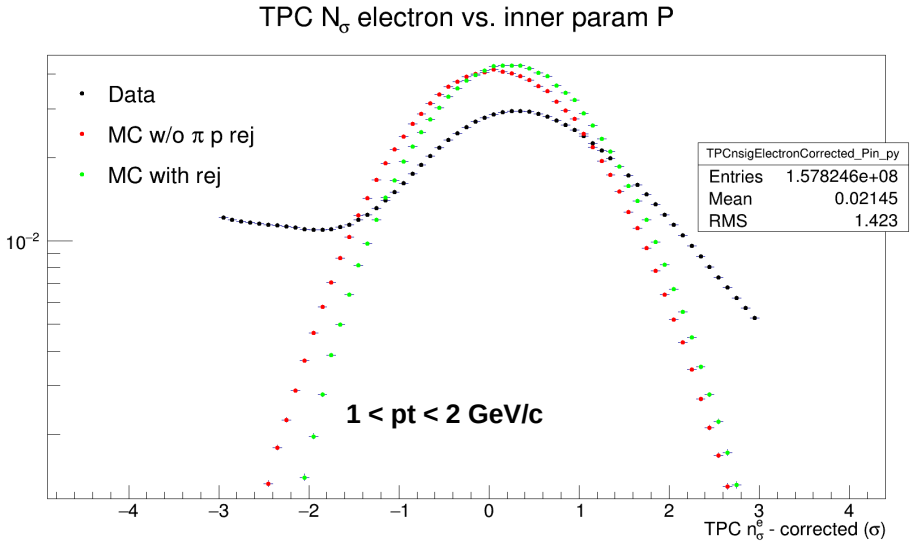
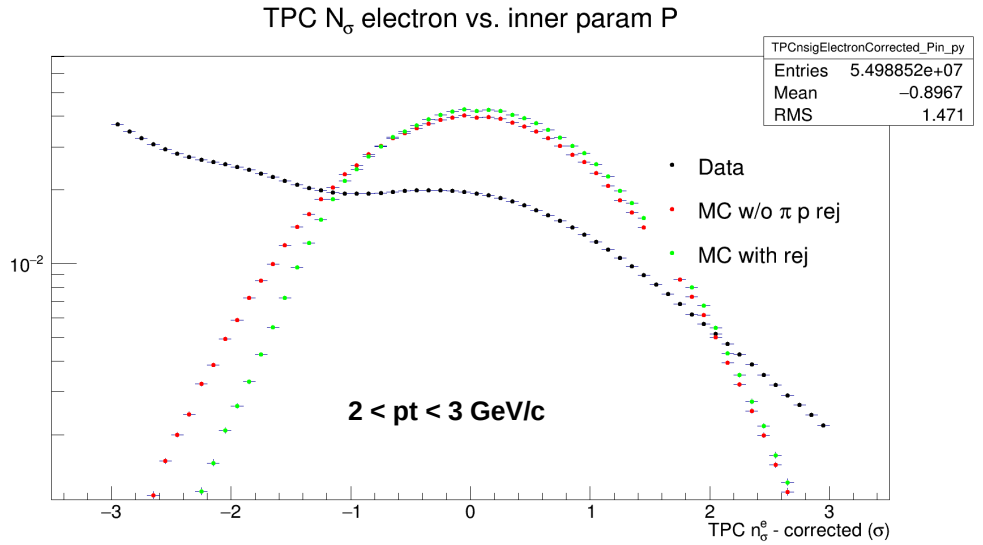
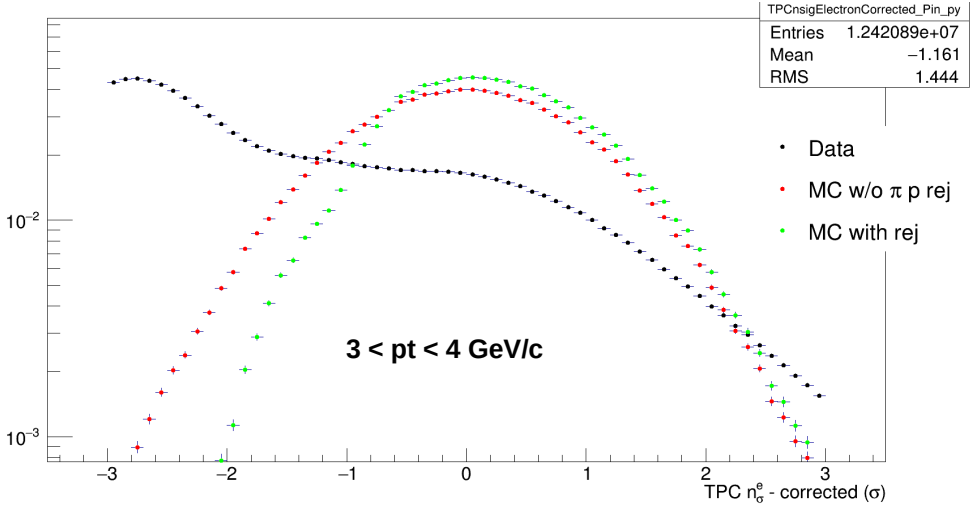
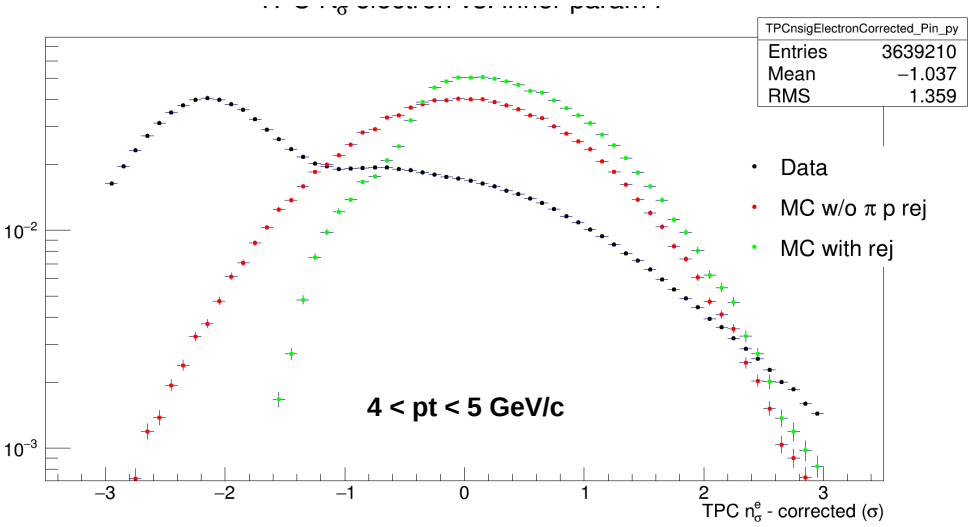
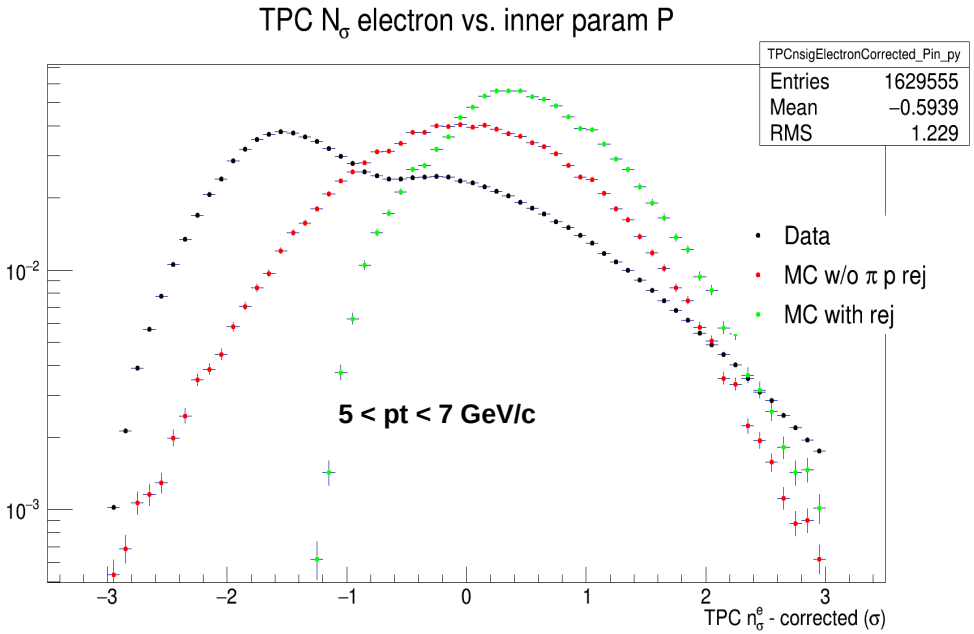
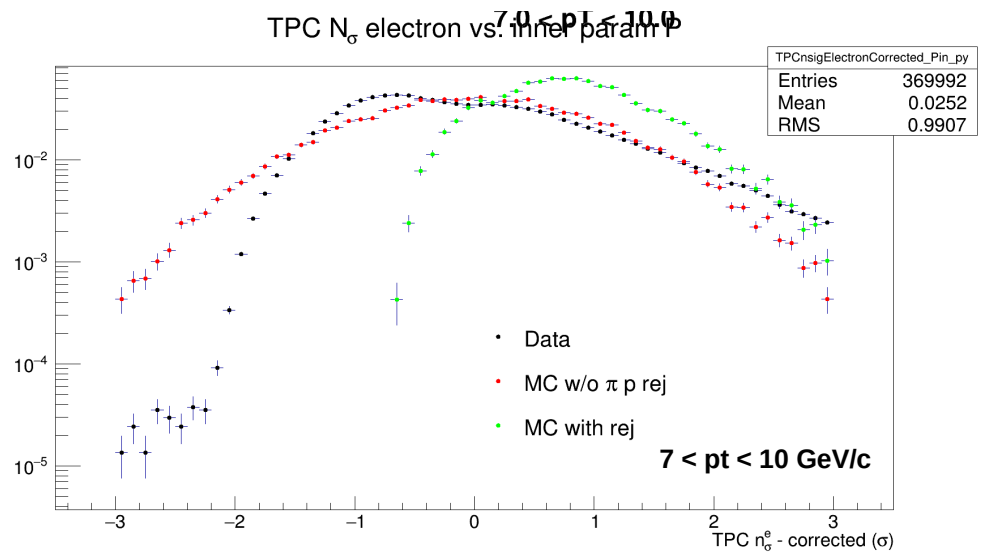

TPC N_σ electron vs. inner param P
Data
MC w/o π p rej
MC with rej
TPCnsigElectronCorrected_Pin_py
Entries 1.578246e+08
Mean 0.02145
RMS 1.423
1 < pt < 2 GeV/c
TPC n_σ^e - corrected (σ)


TPC N_σ electron vs. inner param P
TPCnsigElectronCorrected_Pin_py
Entries 5.498852e+07
Mean −0.8967
RMS 1.471
Data
MC w/o π p rej
MC with rej
2 < pt < 3 GeV/c
TPC n_σ^e - corrected (σ)


TPCnsigElectronCorrected_Pin_py
Entries 1.242089e+07
Mean −1.161
RMS 1.444
Data
MC w/o π p rej
MC with rej
3 < pt < 4 GeV/c
TPC n_σ^e - corrected (σ)

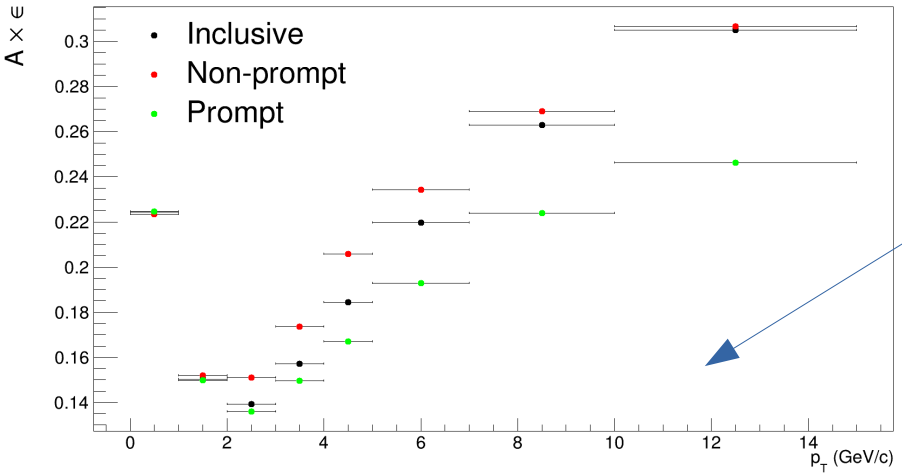

TPCnsigElectronCorrected_Pin_py
Entries 3639210
Mean −1.037
RMS 1.359
Data
MC w/o π p rej
MC with rej
4 < pt < 5 GeV/c
TPC n_σ^e - corrected (σ)





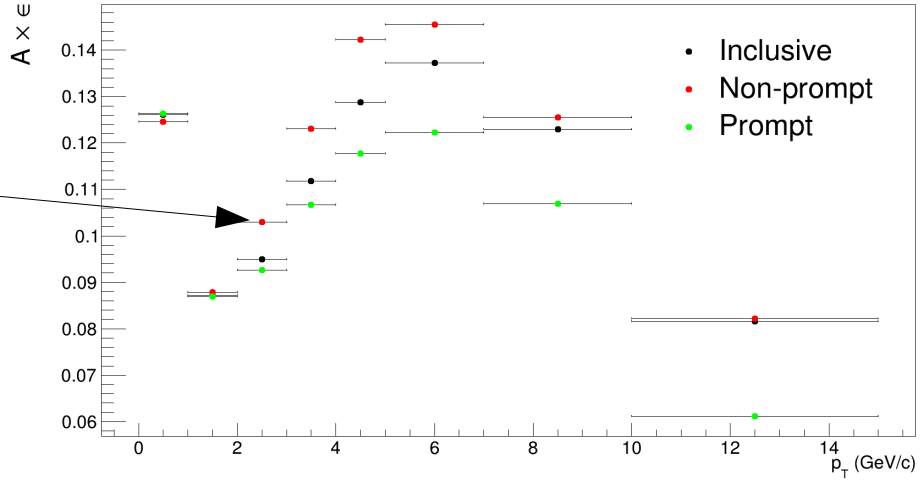
- Pion contamination is visible in data

Acc * Eff in MC



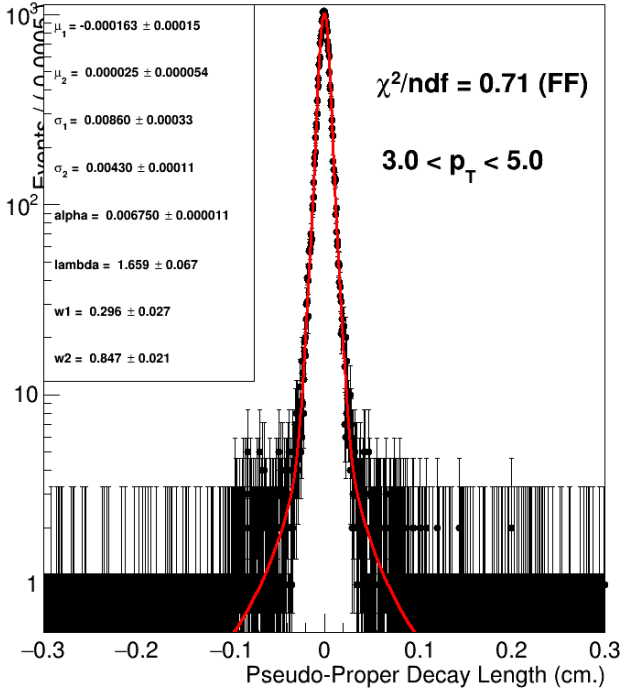
- Without Pi - proton rejection in MC

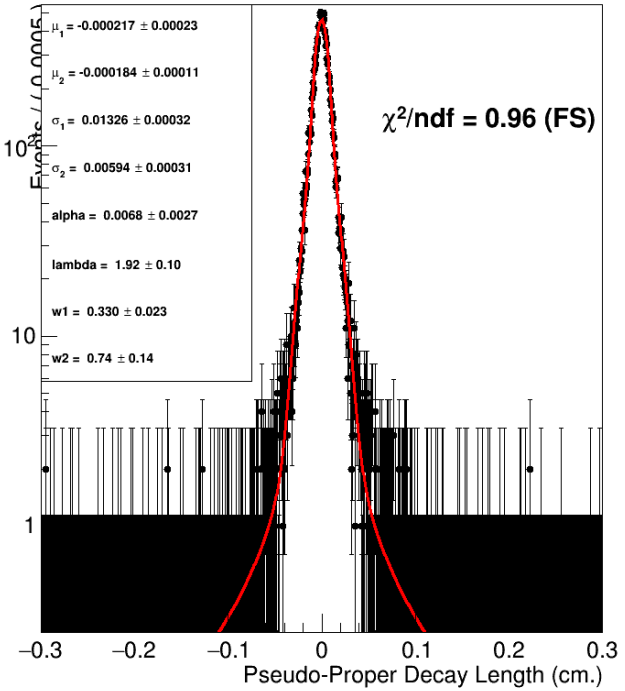
- With Pi - proton rejection in MC
- Correction to fB
  = Ratio of <A x ϵ> for NonPrompt to Prompt



Description of Fbkg(x) in ML-fits

- Reconstructed Prompt Jpsi





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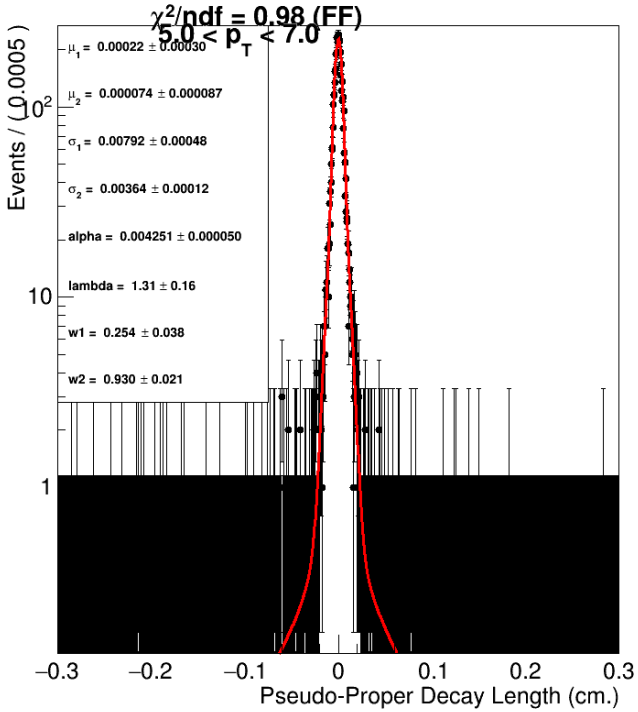
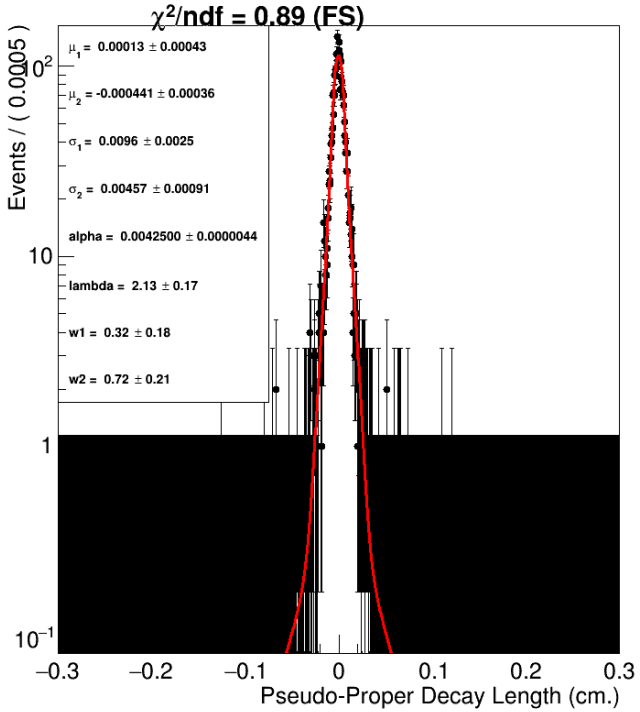
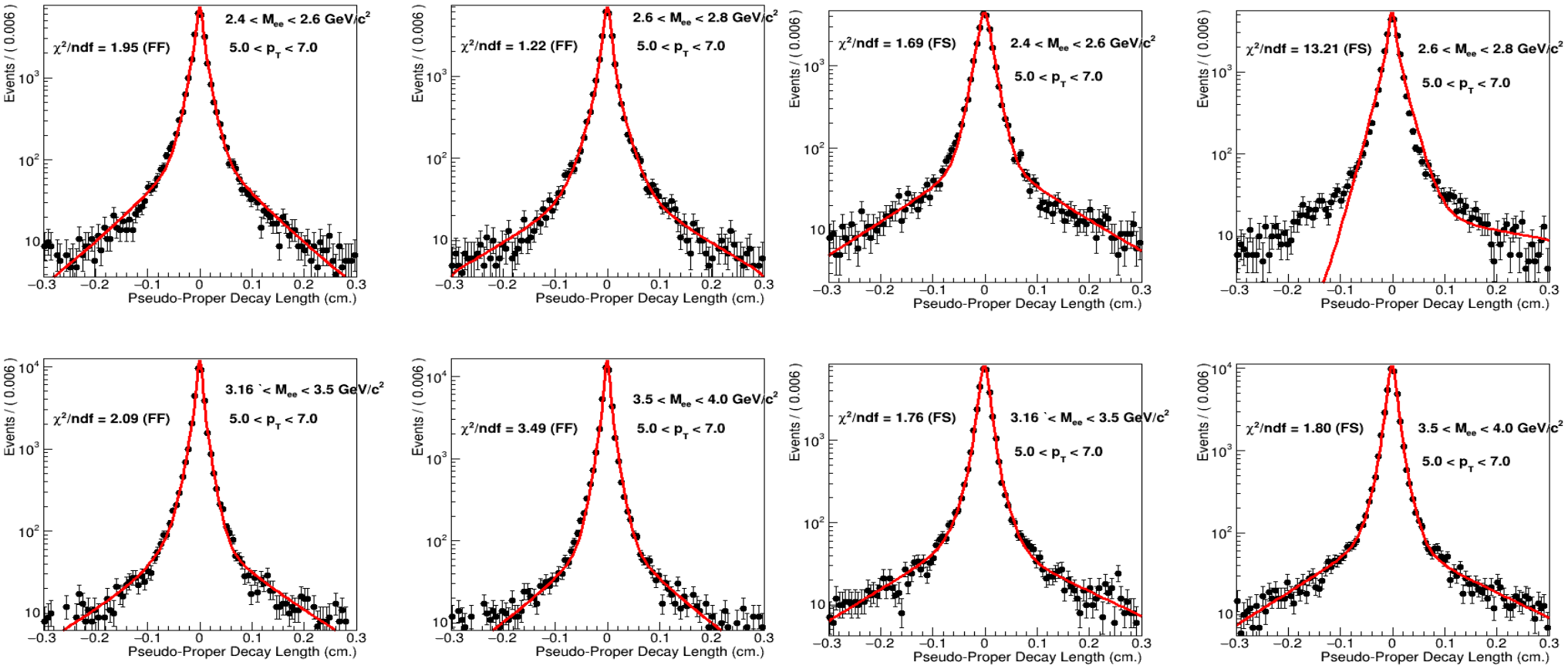




Fbkg(x) in ML-fits (Jpsi-Canddidates outside signal region)



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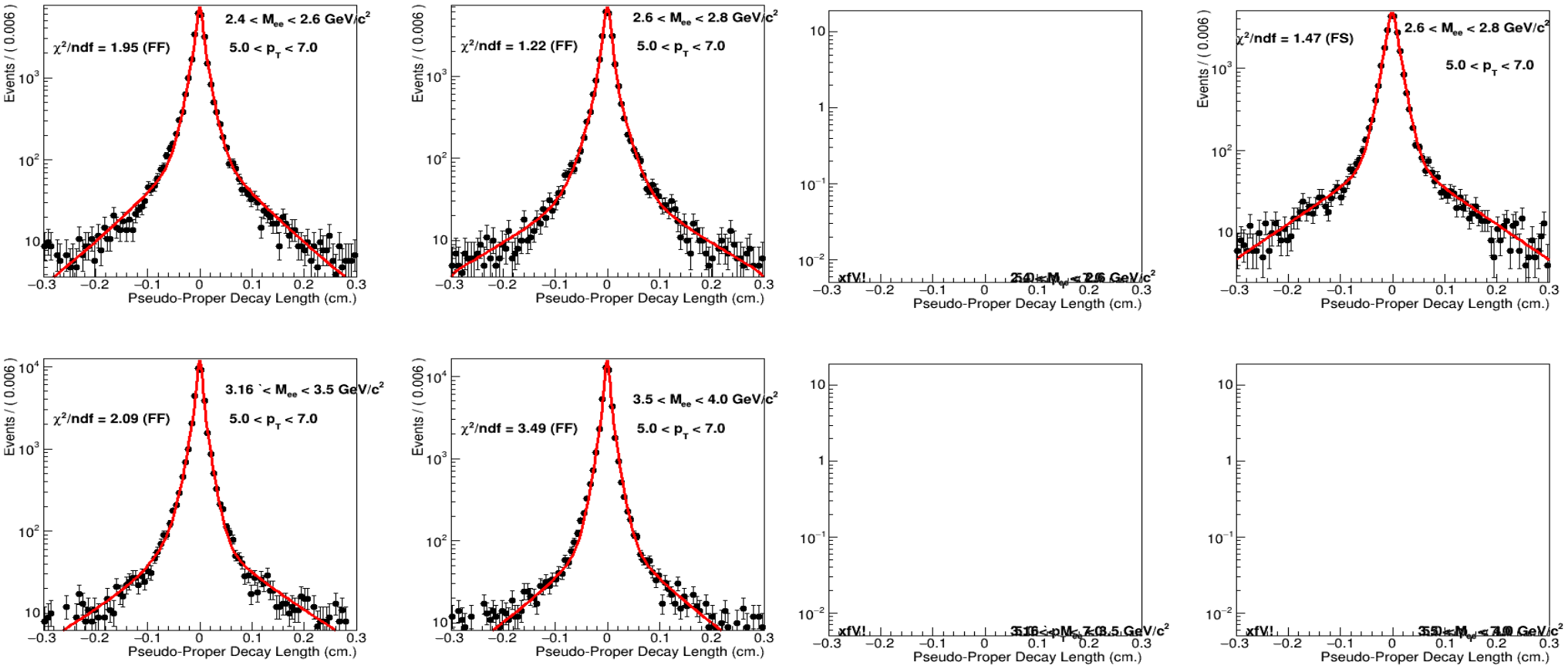

Next Steps :