
Non-Prompt J/psi Analysis

PbPb @ 5.02 TeV



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ALICE

Feb 17, 2020

IFJ-ALICE Meetings

Activities -

- Status of Improver
- Some QA with MC-statistics

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- Didn't work for ESDs (PbPb). Worked for AODs (p-Pb and PbPb)

Fiorella mentioned about McEventHandler.
I haven't added this in the improver task.

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Activities -

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- Some QA of MC-statistics

• Didn't work for ESDs (PbPb). Worked for AODs (p-Pb and PbPb)

- Tested the Improver on AODs from PbPb – LHC19f1b, just to see the effect on (small sample only 1400 tracks) -

- DCAs
- TrackParams

(See the jupyter-notebook)

Activities -

- Status of Improver
- Some QA of MC-statistics

Activities -

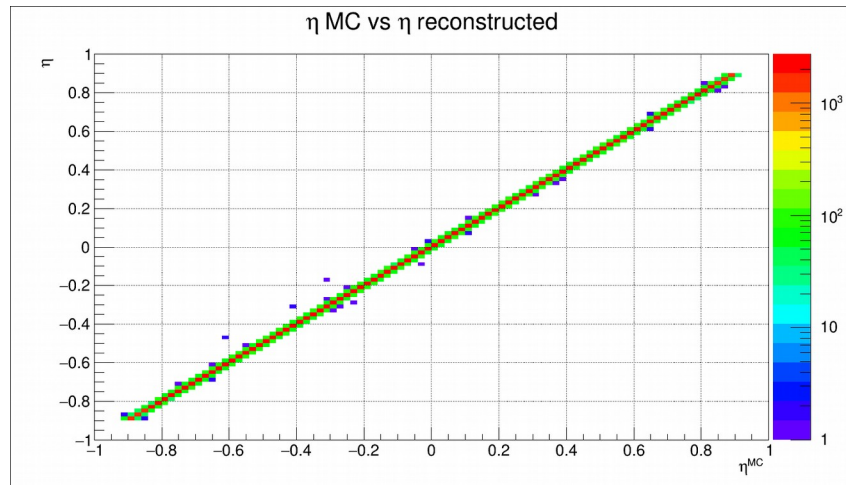
- Status of Improver
- Some QA of MC-statistics

DataSet :

- Events ~ 134K
- PbPb @ 5.02TeV
- 0-10% Centrality (LHC19f1b)

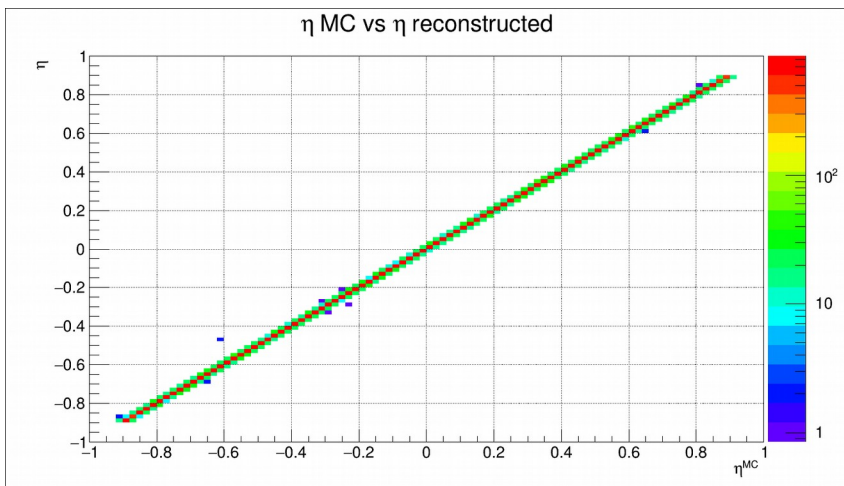
Distributions from Tracks

Eta (Reconstructed vs Truth)

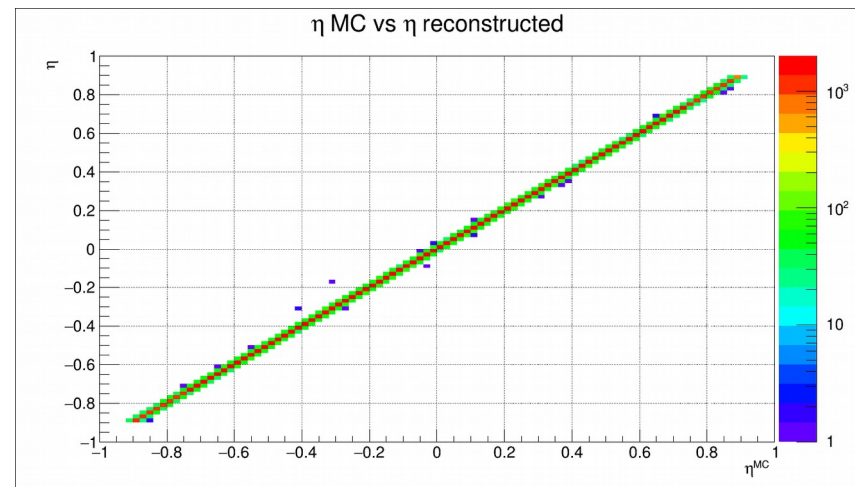


TrueElectron

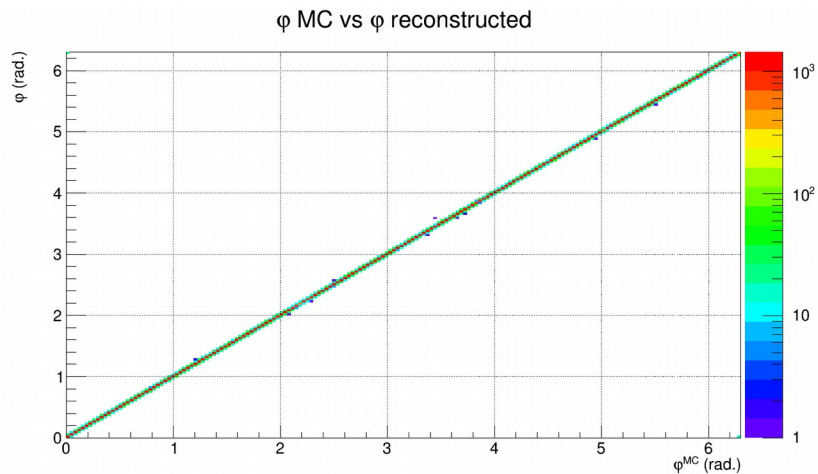
TrueEleNonPrompt



TrueElePrompt

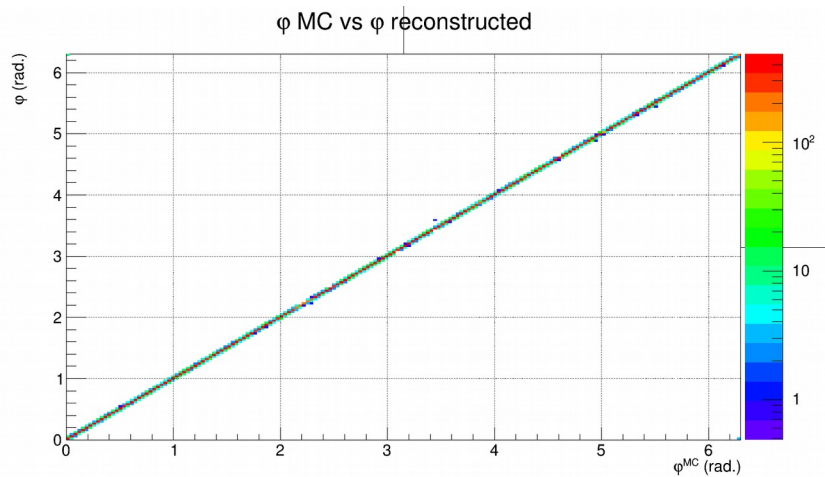


Phi (Reconstructed vs Truth)

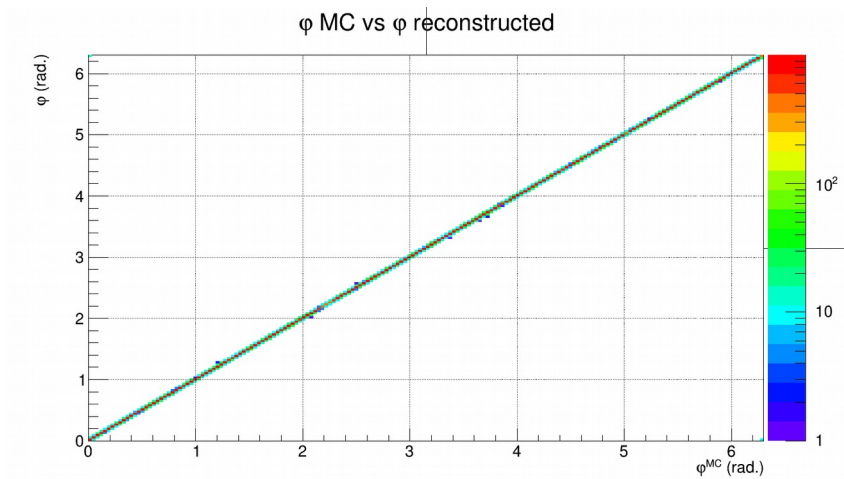


TrueElectron

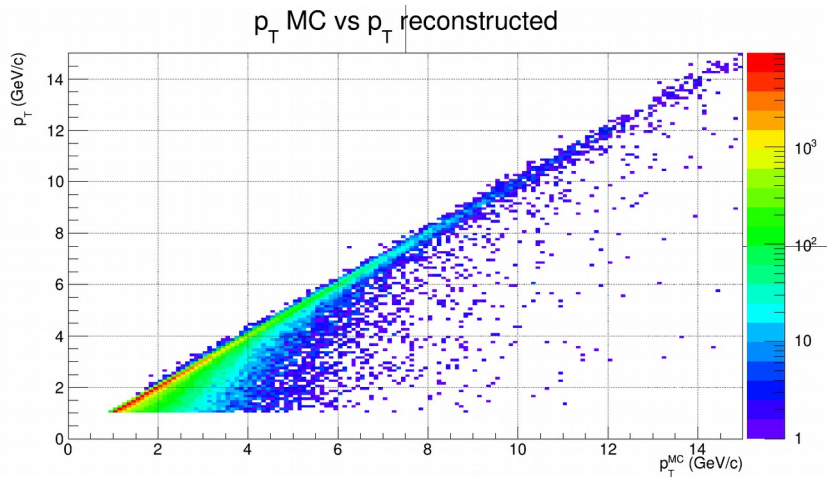
TrueEleNonPrompt



TrueElePrompt

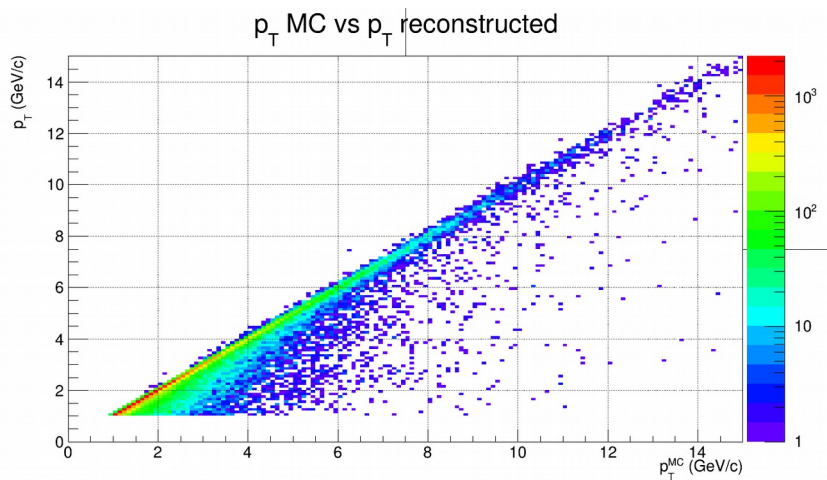


Pt
(Reconstructed vs Truth)

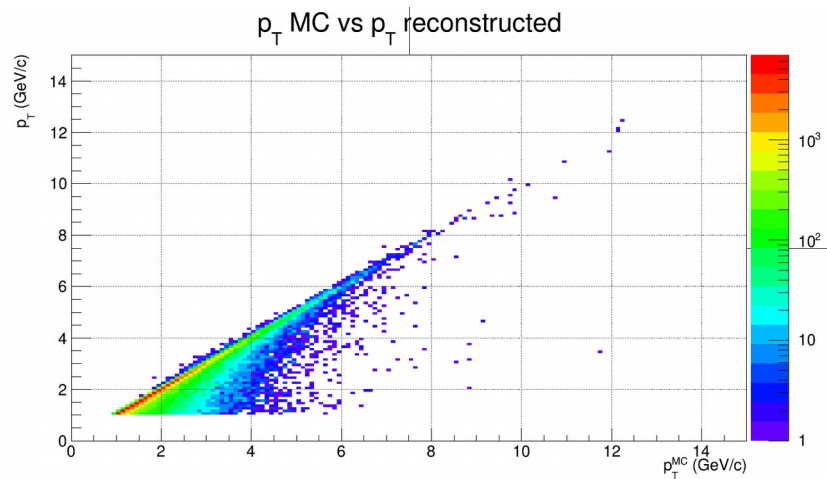


TrueElectron

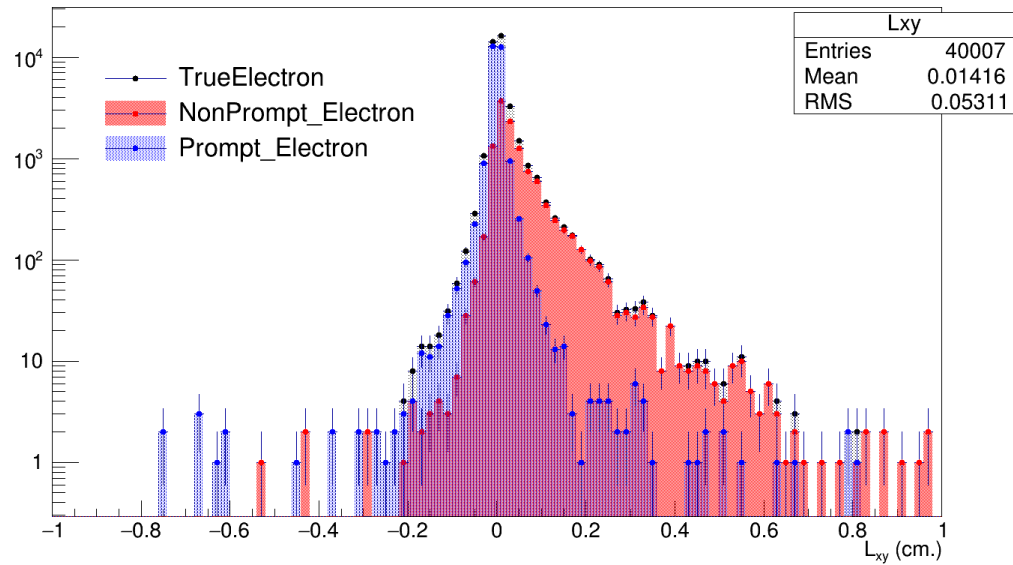
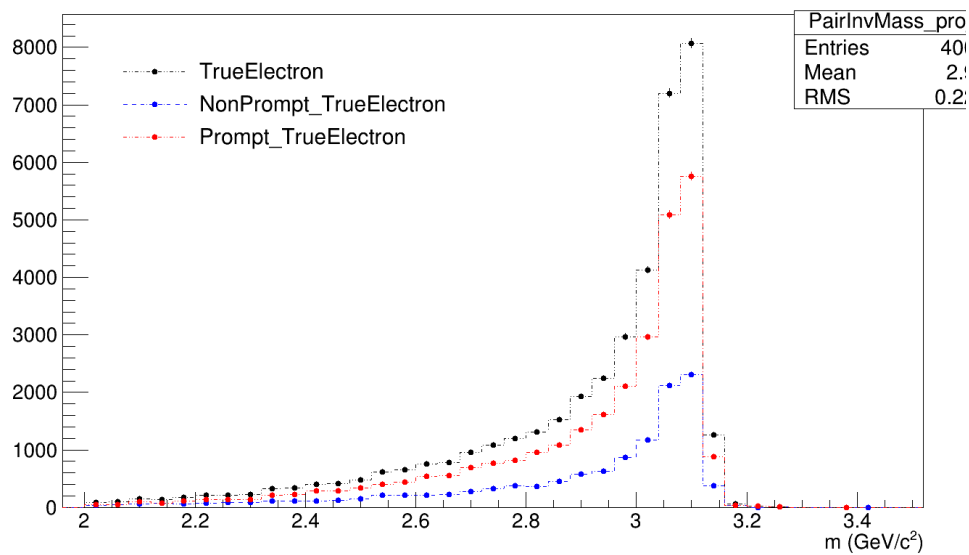
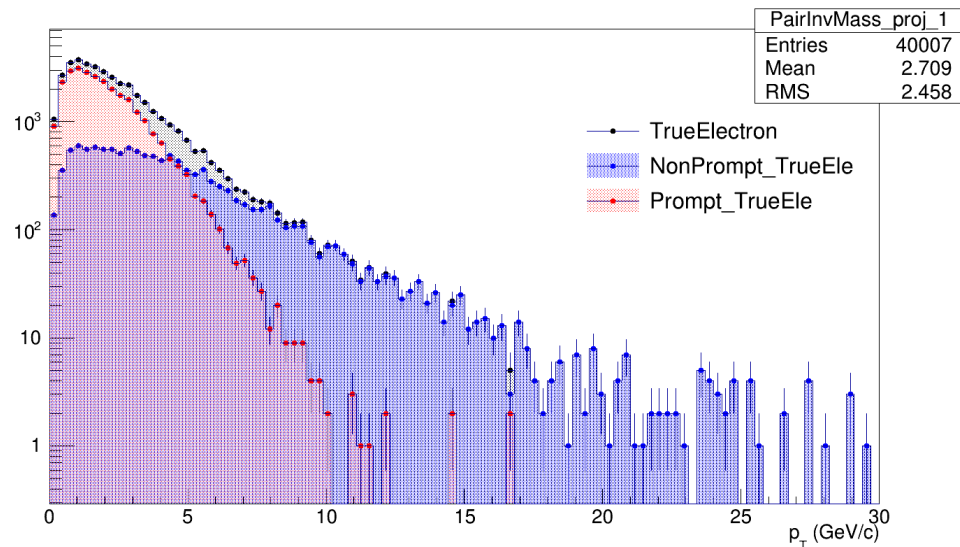
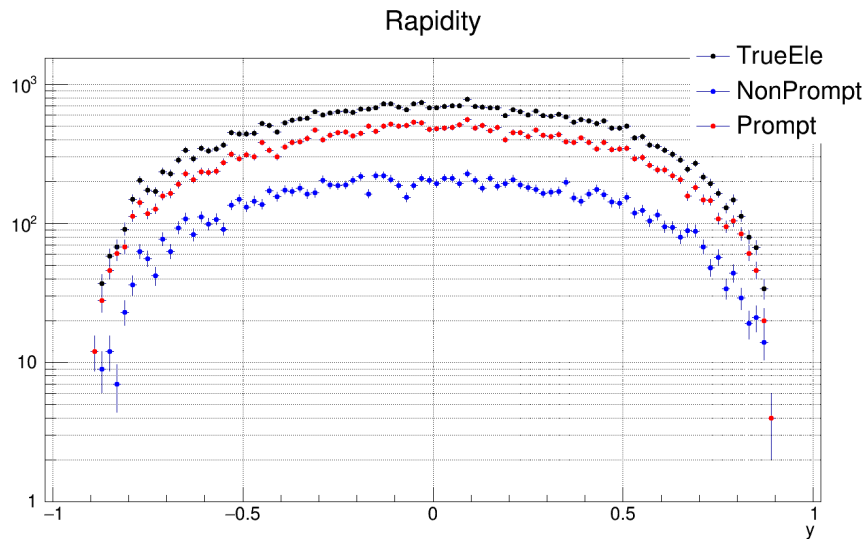
TrueEleNonPrompt



TrueElePrompt



Distributions from Pair Candidates



Stats of Histograms :

- NonPrompt = 11831
- Prompt = 28176
- TrueEle = 40007