
Non-Prompt J/psi Analysis

PbPb @ 5.02 TeV



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ALICE

14th Jul 2020

IFJ - ALICE Meetings

Plan :

- Background suppression using the NN
- **Objective:** To see J/psi-signal in the low-pt region (< 5 GeV/c) in Unlike-sign pairs inv-mass w/o subtracting Like-sign background.
- **Implementations / Realization of the idea :**
 - Training NN on the topology $\pi^0 \rightarrow \gamma \rightarrow ee$
 - Data Sample : MC-period anchored with PbPb @ 5.02 TeV 0-10% LHC18I8b – General Purpose MC – should be enough statistics for training.
 - In the dstTree, additional signals to be injected for $\pi^0 \rightarrow \gamma \rightarrow ee$
 - Testing the ‘trained-NN’ on the real-data.

Preparation of the data

Application of NN

