LHC on the March



Contribution ID: 11

Type: not specified

## Jet measurements in proton-proton and PbPb collisions with the ALICE experiment at LHC

Wednesday 21 November 2012 18:30 (30 minutes)

Jets are an important tool in testing QCD and probing the hot and dense nuclear matter created in high energy heavy-ion collisions. They can be used to study hard scatterings, fragmentation and hadronisation and how this processes differ from baseline vacuum measurements in case of presence of a partonic medium. Vacuum measurements are obtained from proton-proton collisions.

Data taken by the ALICE detector system in proton-proton collisions at sqrt(s) = 7 TeV and in heavy ion collisions at sqrt(s) = 2.76 have been analysed and results for jet pT spectra, R\_AA, cross section and inclusive structure are presented. The procedures used to reconstruct jets and to extract them from a background will be discussed.

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Session Classification: Evening Session

Track Classification: Heavy Ions Collisions