

ICHEP2012



Contribution ID : 638

Type : **Parallel Sessions**

Collective flow and charged hadron correlations in 2.76 TeV PbPb collisions at CMS

Friday, 6 July 2012 11:45 (15)

We report on the CMS measurements of charged hadron anisotropic azimuthal distributions from PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. The results are presented as a function of transverse momentum, centrality and pseudorapidity and cover a broad kinematic range. Long range in pseudorapidity di-hadron azimuthal correlations are also studied and discussed in terms of the possible influence of the initial collision geometry. These results can provide constraints on the theoretical description of the early dynamics in the hot and dense medium created at the LHC and the transport properties through this medium.

Financial Support Justification for Early-Stage Researchers

Summary

Primary author(s) : Dr PADULA, Sandra (UNESP - Universidade Estadual Paulista (BR))

Presenter(s) : Dr PADULA, Sandra (UNESP - Universidade Estadual Paulista (BR))

Session Classification : Room 217 - Heavy Ion Collisions / B-Physics / CP Violation - TR5/7/9

Track Classification : Track 9. Heavy Ion Collisions