

Charged-particle production in PbPb and pp collisions at 5 TeV with CMS

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During the fall of 2015, LHC provided high-luminosity PbPb and pp collision data at 5 TeV collision energy per nucleon pair, allowing for precision measurements of hot-medium effects. The measured charged particle spectra from the two collision systems are presented up to approximately 100 GeV of transverse momentum, for charged particles produced in the central rapidity region. The nuclear effects on the particle spectrum are accessed via the construction of nuclear modification factors. The centrality dependence of the nuclear modification factor is explored.

Collaboration

CMS

Presenter: BATY, Austin Alan (Massachusetts Inst. of Technology (US))

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