Abstract for an Invited Paper for the DNP11 Meeting of The American Physical Society

Overview of Pb+Pb results from CMS

GUNTHER ROLAND, Massachusetts Institute of Technology

We will present an overview of CMS results on Pb+Pb collisions and p+p reference data at sqrt(s) = 2.76 TeV. In addition to results on quarkonimum suppression, the talk will in particular focus on long-range azimuthal correlations observed in p+p and Pb+Pb collisions and their connection to hydrodynamic flow and on measurements related to parton propagation in the QCD medium. For the latter topic, measurements of charged hadron and photon momentum distributions, as well as detailed studies of dijet final states will be discussed.