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Transverse momentum and pseudorapidity dependence of charged particle production and nuclear modification factor in pPb collisions at sqrt(sNN)=5.02 TeV with CMS[1] ERIC APPELT, Vanderbilt Univ, CMS COLLABORATION — The charged particle transverse momentum (pT) spectra at midrapidity and forward pseudorapidity ranges up to pT=100 GeV/c are presented for pPb collisions at sqrt(sNN)=5.02 TeV. The nuclear modification factor (RpPb) is measured at midrapidity by dividing the measured pPb spectrum by a pp reference spectrum constructed using interpolation methods. In addition, the asymmetries in the charge particle yields between equivalent positive and negative pseudorapidity ranges in both the laboratory and center-of-mass frames are presented as a function of pT.

[1]On behalf of the CMS Collaboration

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