Contribution ID: **92** Type: **Talk**

Identified hadron production in pp and pPb collisions with CMS

Thursday 25 July 2013 12:00 (30 minutes)

Spectra of identified charged hadrons measured in pPb collisions at the LHC at $sqrts_{NN} = 5$TeV are presented. Charged pions, kaons, and protons in the transverse-momentum range p_T = 0.1-1.7 GeV/c and for central rapidities are identified via their energy loss in the CMS silicon tracker. The average p_T increases rapidly with the mass of the hadron and the charged-particle multiplicity of the event. The fully corrected transverse momentum spectra and integrated yields are compared to pp data at various collision energies and to several Monte Carlo event generators.

Primary authors: APPELT, Eric Andrew (Vanderbilt University (US)); CMS COLLABORATION, The (CMS)

Presenters: APPELT, Eric Andrew (Vanderbilt University (US)); CMS COLLABORATION, The (CMS)

Session Classification: Plenary 9