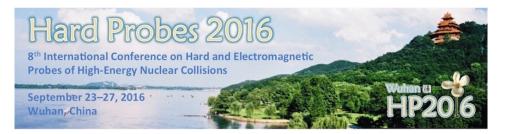
Hard Probe 2016



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Measurement of the nuclear modification factor for high-pT charged hadrons in pPb collisions with the ATLAS detector

Saturday, 24 September 2016 08:50 (20 minutes)

The charged hadron spectra in p+Pb and pp collisions at sqrt(s)=5.02TeV are measured with the ATLAS experiment at the LHC. The measurements are performed with p+Pb data recorded in 2013 with an integrated luminosity of 25nb^-1 and pp data recorded in 2015 with an integrated luminosity of 28pb^-1. The p+Pb results are directly compared to pp spectra, as a ratio scaled by the number of binary nucleon-nucleon collisions, the nuclear modification factor RpPb. RpPb allows for a detailed comparison of the collision systems in several rapidity ranges, different centrality intervals and up to high transverse momentum.

Summary

Presentation type

Oral

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Session Classification: Parallel Session I: Hard Probes in p+p and p+A Collisions (I)