



Contribution ID: 119

Type: Talk in Parallel Session at DIS2013

ATLAS Jet production measurements and determination of α_S

Tuesday 23 April 2013 12:00 (20 minutes)

An inclusive jet multiplicity ratio is sensitive to the strong coupling constant α_S and has reduced sensitivity to the uncertainties due to parton distribution functions.

The ATLAS data are used to determine the strong coupling's strength at the highest energy scales. The results probe the consistency of the running of the coupling as predicted by QCD.

Author: COLLABORATION, ATLAS

Presenter: WARDROPE, David (University College London (UK))

Session Classification: WG4: QCD and HFS

Track Classification: QCD and Hadronic Final States