

XXVIII International Workshop on Deep Inelastic Scattering and Related Subjects



Contribution ID: 52

Type: **Contributed Talk**

ATLAS Jet Measurements for PDFs and their Uncertainties

Tuesday, March 24, 2020 2:48 PM (18 minutes)

Jet measurements play an essential role in PDF fits and the available measurements will be briefly summarized. The primary experimental uncertainties in these measurements are the knowledge of the jet energy scale and resolution. The analyses used to evaluate these uncertainties will be described as well as how they are combined to form the set of uncertainties that dominate these measurements. How these uncertainties should be correlated between ATLAS measurements and those of other experiments in PDF fits will be discussed too. Estimated projections towards higher luminosity will also be briefly discussed.

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Session Classification: Structure function and parton densities

Track Classification: Structure Functions and Parton Densities