Contribution ID: **193** Type: **Talk**

Measurements of soft-QCD and diffractive processes with ATLAS

Thursday 30 July 2020 10:10 (15 minutes)

In this talk we present various measurements sensitive to non-perturbative physics performed using data collected by the ATLAS experiment at the LHC. Inclusive single diffractive dissociation (pp->pX) is studied using data collected by the ATLAS forward spectrometer spectrometers, while charged particles from the dissociative system (X) are reconstructed and measured using the ATLAS inner tracking detector and calorimeters. In addition, measurements of charged-particle production that are sensitive to the properties of the underlying event and the hadronisation mechanism are also presented. The measurements are corrected for detector inefficiency and resolution and compared with the predictions of various Monte Carlo generators.

I read the instructions

Secondary track (number)

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