



Contribution ID: 557

Type: **Poster**

Charged particle multiplicity distribution in pp collisions at $\sqrt{s} = 13.6$ TeV with ALICE

Tuesday 5 September 2023 17:30 (2h 10m)

Multiplicity distributions of primary charged particles are sensitive to non-linear QCD evolution in the initial state. We present the distributions in various pseudorapidity ranges in proton-proton collisions at $\sqrt{s} = 13.6$ TeV. Charged particles are reconstructed using the Inner Tracking System that has been upgraded for Run3 at LHC and is operation starting in 2022. The data are compared to models with recent PYTHIA 8, EPOS-LHC, and EPOS 3.

Category

Experiment

Collaboration (if applicable)

ALICE Collaboration

Primary author: Mr BAE, Joonsuk (Sungkyunkwan University (KR))

Presenter: Mr BAE, Joonsuk (Sungkyunkwan University (KR))

Session Classification: Poster Session

Track Classification: Initial state