

ALICE results in pp collisions at 13 TeV

Friday, 3 June 2016 12:50 (0:40)

Collaboration

ALICE

Abstract content

Results from the ALICE experiment obtained in the second LHC run (Run-2) on charged-particle production will be presented. Charged hadrons emerging from high-energy collisions are dominated by mesons (mainly pions and kaons), being the baryon fraction (mainly protons and antiprotons) lower than about 5% of the total inclusive charged-hadron production. The pseudorapidity and transverse momentum distributions of charged-particles are measured at midrapidity in pp collisions at $\sqrt{s} = 13$ TeV. The evolution of the transverse momentum spectra of charged particles is also investigated as a function of event multiplicity. The results are compared to Monte Carlo models commonly used to describe high-energy hadron interactions.

Primary author(s) : PREGHENELLA, Roberto (CERN and INFN Bologna)

Presenter(s) : PREGHENELLA, Roberto (CERN and INFN Bologna)

Session Classification : Plenary Session