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ALICE results in pp collisions at 13 TeV

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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.

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