



Nuclear Experiment

Charged-particle multiplicity and transverse energy in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with ALICE

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The measurements of charged-particle multiplicity and transverse energy at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV are reported as a function of centrality. The fraction of the inelastic cross section recorded by the ALICE detector is estimated using a Glauber model. The results scaled by the number of participating nucleons are compared with pp collisions at the same collision energy, to similar results obtained at significantly lower energies, and with models based on different mechanisms for particle production in nuclear collisions.

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