

Heavy Flavour Production measurement at LHC energies with the ALICE detector

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ALICE is the dedicated heavy-ion experiment at the LHC. Its main physics goal is to study the properties of strongly-interacting matter at conditions of high energy density and high temperature expected to be reached in central Pb–Pb collisions. Charm and beauty quarks are well-suited tools to investigate this state of matter since they are produced in initial hard scatterings and are therefore generated early in the system evolution and probe its hottest, densest stage. ALICE recorded pp data at $\sqrt{s}=7$ TeV and 2.76 TeV and PbPb data at $\sqrt{s_{NN}}=2.76$ TeV in 2010 and 2011. We will present the latest results on heavy flavour production measurement at both central and forward rapidity

Keywords

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