

The Simulation of (Anti-)Kaon and (Anti-)Proton At 7 Tev by Using Paciae Model

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Abstract:

Charged particles K[±] and p[±] production at scaled mid-rapidity $y < 0.5$ in proton-proton collisions at 7 TeV were simulated by using the PACIAE model. The simulation results were consistent with ALICE experimental data on K[±] and p[±] yields, where the kaon and proton were measured with the transverse momentum in the regions 0.2-6 GeV/c and 0.3-6 GeV/c.

Keywords:

Kaon, Proton, PACIAE model.