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Light flavour results in p-Pb collisions with ALICE

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Particle ratios provide insight into the hadrochemistry of the event and the mechanisms for particle production. In Pb-Pb collisions the relative multi-strange baryon yields exhibit an enhancement with respect to pp collisions, whereas the short-lived K^{*0} resonance is suppressed in the most central events due to re-scattering. Measurements in p-Pb allow us to investigate the development of these effects as a function of the system size.

We report comprehensive results on light-flavour hadron production measured with the ALICE detector in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV, covering a wide range of particle species which includes long-lived hadrons, resonances and multi-strange baryons.

The measurements include the transverse momentum spectra and the ratios of spectra among different species, and extend over a very large transverse momentum region, from ~ 100 MeV/c to ~ 20 GeV/c, depending on the particle species.

On behalf of collaboration:

ALICE

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