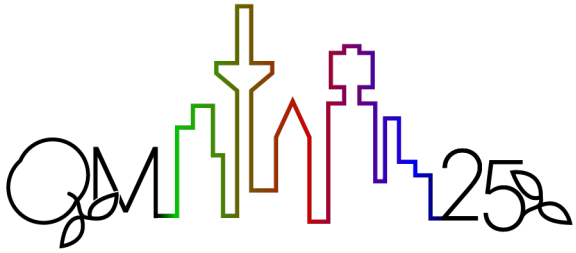

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EPJ Featured Poster: New results on identified hadron production in central Xe+La collisions from NA61/SHINE at CERN SPS

NA61/SHINE is a multipurpose fixed-target experiment located at CERN SPS. One of its main goals is to study the onsets of fireball and deconfinement and the properties of strongly interacting matter. For this purpose, a unique two-dimensional scan in collision energy ($\sqrt{s_{NN}} = 5.1 - 17.3$ GeV) and system size was performed. Results for p+p, Be+Be, and Ar+Sc collisions were already published by NA61/SHINE, and results for Pb+Pb were published by NA49. The ''horn" in the K^+/π^+ ratio measured in Pb+Pb collisions is not present in Ar+Sc collisions. Therefore, the results for Xe+La collisions, with a size between Ar+Sc and Pb+Pb, are crucial for the understanding of the system size dependence.

This talk presents new results on spectra of hadrons produced in central Xe+La collisions. The beam energy dependence of the measured quantities will be presented. The kinematic distributions and the multiplicities of identified hadrons will be compared with NA61/SHINE results for other systems, NA49 results, as well as available world data.

Category

Experiment

Collaboration (if applicable)

NA61/SHINE

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