

”Identified hadron production in Ar+Sc collisions at SPS energies”

Monday 7 August 2017 16:00 (30 minutes)

NA61/SHINE is a fixed target experiment at the CERN Super Proton Synchrotron. The main goals of the experiment are to discover the critical point of strongly interacting matter and to study the properties of the onset of deconfinement.

In order to reach these goals, a study of hadron production properties is performed in nucleus-nucleus, proton-proton and proton-nucleus interactions as a function of collision energy and size of the colliding nuclei. In this talk, the newest preliminary results on identified hadron spectra produced in Ar+Sc collisions at six beam momenta (13A, 19A, 30A, 40A, 75A and 150A GeV/c) will be shown. The distributions of transverse mass and rapidity will be compared with NA61/SHINE and NA49 p+p, Be+Be and Pb+Pb results, as well as with available world data.

Summary

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