Contribution ID: **48** Type: **not specified**

Light flavor hadron production investigated in Xe-Xe collisions with ALICE experiment at the LHC

Thursday 27 July 2023 09:20 (30 minutes)

Light flavor hadron production has been studied over the last years in pp, p-Pb, and Pb-Pb collisions. In 2017, the ALICE Collaboration collected data from the collisions between Xenon nuclei at center-of-mass energy per colliding nucleon pair of 5.44 TeV. Such medium-sized nuclei offer the opportunity to reach multiplicities covering the gaps between Pb-Pb and pp collisions, thus contributing to a detailed characterization of hadron production as a function of system size. In this contribution, the measurements of pions, kaons, (anti-)protons, ϕ mesons, as well as strange hadrons will be presented. These measurements will be discussed in the context of state-of-the-art particle production models.

Author: DZALAIOVA, Natalia (Comenius University (SK))

Co-author: MERES, Michal (Comenius University (SK))

Presenter: DZALAIOVA, Natalia (Comenius University (SK))

Session Classification: Short talks