



Contribution ID: 187

Type: **Talk**

The study of identified charged-hadron production at PHENIX

Wednesday 28 August 2024 11:40 (20 minutes)

Identified hadron production has long played an important role in studying the final state effects of relativistic ion collisions and the details of hadronization processes. The studies of various observables in both small and large collision systems are crucial to investigate the dependence of various quark gluon plasma and hadronization properties and the observability of final state effects on initial conditions of the collisions, i.e. nuclear-overlap size. In this talk, identified charged hadron production in $p+Al$, $p/d/{}^3\text{He}/\text{Cu}+\text{Au}$, and $U+U$ collisions, measured by PHENIX is presented. The comparisons of obtained results to previous measurements of light hadron production are provided for better understanding of the underlying processes.

Internet talk

Maybe

Is this an abstract from experimental collaboration?

Yes

Name of experiment and experimental site

PHENIX experiment

Is the speaker for that presentation defined?

Yes

Details

Mariia Mitrankova, Dr., Stony Brook University, USA, <https://www.stonybrook.edu/>

Author: MITRANKOVA, Mariia

Presenter: MITRANKOVA, Mariia

Session Classification: Heavy Ion Collisions and Critical Phenomena

Track Classification: Main topics: Heavy Ion Collisions and Critical Phenomena