

# Investigation of $K^+$ emission from Ru+Ru collisions at 1.65A GeV with FOPI.

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## Collaboration

## Abstract content

Investigation of kaon production in heavy ion collisions at beam energies around threshold in the elementary NN collision has often aroused interest due to its sensitivity to the in-medium modifications of basic hadron properties, like mass and decay constant [1-4].

The FOPI Collaboration has investigated the collisions of Ru+Ru at the beam kinetic energy of 1.65A GeV. An installation of the RPC-based ToF detector with the good timing capabilities and granularity enhanced the acceptance of charged kaon measurements [5]. In this contribution, we present the  $K^+$  phase space distribution analysis. Our work is a part of the analysis of hadron emission from the abovementioned collisions, with the aim to compare the yields to the predictions of the Statistical Model [6].

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