Contribution ID : **138** Type : **Poster**

Directed flow of charged pions in Xe+Cs(I) collisions at the beam energy of 3.8A GeV with BM@N experiment

Tuesday, 27 October 2026 19:20 (5)

The anisotropic flow of produced particles provides the insight into the transport properties and the equation of state (EoS) of strongly interacting matter. This talk presents directed flow (v_1) measurements of charged pions in Xe+Cs(I) collisions at 3.8A GeV, obtained with the BM@N experiment. Pion directed flow is studied as a function of centrality, rapidity, and transverse momentum. The results are compared with existing world data, and their implications for constraining the EoS of dense baryonic matter are discussed.

Primary author(s) : КАРПУШКИН, Фёдор

Presenter(s) : КАРПУШКИН, Фёдор

Session Classification : Poster session

Track Classification : Heavy ion physics