

Directed flow of protons in Xe+CsI collisions at $E_{kin} = 3.8A$ GeV from first physical run at BM@N.

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Collective flow is one of the most important observables sensitive to hot and dense matter produced in heavy ion collisions at the beam energy of several GeV. In 2023 Baryonic Matter at Nuclotron experiment conducted the first physical run collecting high-statistics data on Xe+CsI collisions at $E_{kin} = 3.8A$ GeV. We present the first results for directed flow of protons with respect to the spectator symmetry plane and compare the obtained results with existing world data.

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