

Flow measurements at LHCb experiment

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Particle correlations are powerful tools for studying quantum chromodynamics in hadron collisions. In heavy-ion collisions, azimuthal angular correlations probe collective phenomena in hot, dense, nuclear media, such as QGP. The LHCb experiment has the ability to study particle correlations in high-energy hadron collisions at forward rapidity, complementing the results from other experiments. It also has the unique fixed-target configuration at LHC, with various species of gas target available.

In this contribution, recent results on collective flow from the LHCb experiment will be discussed, aimed to study the hydrodynamics at forward regions and nuclear structure of the gas targets.

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