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Flow and correlation measurements at LHCb

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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. Angular correlations in small collision systems could point to QGP production or potential initial-state correlations. The LHCb experiment has the unique ability to study particle correlations in high-energy hadron collisions at forward rapidity, complementing the results from other experiments. In this contribution, recent results on collective flow from the LHCb experiment will be discussed

Category

Experiment

Collaboration

LHCb

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