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Measurements of collectivity in the forward region at LHCb

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Particle flow measurements, which provide evidence of the QGP medium, are a powerful tool to study the QGP evolution in heavy-ion collisions. Using the two-particle correlation technique, LHCb has observed the ridge structure due to particle flow, in the forward pseudorapidity range $2 < \eta < 5$ alongside the leading jet peak in long-range correlations ($|\eta| > 2$). This talk will detail the analyses of the ridge structure and the extraction of flow harmonics in pPb$ and PbPb collisions. This presentation will also include the details of new LHCb studies of Bose-Einstein Correlations with same-sign charged pions.

Present via

Online

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