

# 11th International Conference on Hard and Electromagnetic Probes of High-Energy Nuclear Collisions



Beitrag ID: 199

Typ: **Poster**

## Collectivity at LHCb

*Dienstag, 28. März 2023 18:15 (2 Stunden)*

Particle correlations are a powerful tool to study the bulk properties in relativistic heavy ion collisions. The momentum correlations between identical particles originating from the same particle-emitting source, referred to as the Bose-Einstein correlations, measure scales that are related to the geometrical size of the source. The two particle azimuthal angular correlations measure the momentum spatial anisotropy of produced particles, providing information on collective phenomena arising in the dense nuclear medium. This poster will discuss new LHCb measurements of Bose-Einstein correlations and collective flow coefficients in  $p$ Pb and PbPb collisions in the forward rapidity region.

### Experiment/Theory

LHCb

### Affiliation

on behalf of the LHCb Collaboration, speaker to be defined later

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**Sitzung Einordnung:** Poster Session

**Track Klassifizierung:** High momentum hadrons and correlations