

## Two-particle angular correlations studies in pPb and pp in LHCb

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Two-particle angular correlations are studied in proton-proton collisions at  $\sqrt{s} = 13\text{TeV}$ , collected with the LHCb detector at the LHC. LHCb detector provides measurement in the very forward region,  $2 < \eta < 5$ . This region is complementary to other experiments and allows to explore low Bjorken-x region. A dedicated trigger to study the highest-activity events was used. A total of about 180 million minimum-bias events and 48 million high-activity events were used in this analysis.

The two-dimensional correlation function is studied as a function of difference in pseudorapidity ( $\Delta\eta$ ) and azimuthal angle ( $\Delta\phi$ ). The study was done for four different activity classes and four  $p_T$  classes. In high-activity events an enhancement is observed in the long range near side region,  $2 < \Delta\eta < 2.5, \Delta\phi \sim 0$ .

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