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Type: **Parallel Talk**

Three-dimensional femtoscopy with two identical pions and pion-kaon pairs in Pb-Pb collisions from the LHC ALICE experiment

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Results are presented for femtoscopic correlations with charged pion-kaon and identical pion-pion pairs measured with ALICE for Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV. Three-dimensional femtoscopic analyses were performed for both systems in different transverse-momentum intervals and for different centrality classes. The source radius and the correlation strength parameter for the case of two identical pions together with the source radius and emission asymmetry extracted from the pion-kaon correlations are reported. The average source size of the system and emission asymmetry between pions and kaons increase for more central collisions. The results are compared with calculations from hydrodynamic-based models, and implications for model parameters are discussed.

Content type

Experiment

Collaboration

ALICE

Centralised submission by Collaboration

Presenter name already specified

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