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Pion-Kaon femtoscopy in Pb-Pb collisions at 2.76 TeV measured with ALICE

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Femtoscopic correlation between charged pions and kaons for different charge combinations are measured in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with ALICE at the LHC. The three-dimensional pion-kaon correlation functions and double ratios in out-side-long pair rest frame are studied in different centrality bins. The π -K femtoscopic source size parameter ($R_{\pi K}$) and emission asymmetry (μ) are extracted. It is observed that average source size of the system and emission asymmetry between pions and kaons increase from peripheral to central events.

Content type

Experiment

Collaboration

ALICE

Centralised submission by Collaboration

Presenter name already specified

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