



XXIV QUARK MATTER DARMSTADT 2014

Contribution ID: 249

Type: Poster

Untriggered di-hadron correlations in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV with the ALICE experiment

Tuesday 20 May 2014 16:30 (2 hours)

We present measurements of untriggered di-hadron correlations in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. The momentum evolution of untriggered data has been studied by applying symmetric p_{T} cuts. A smooth evolution of the structures in the correlation function is observed. We further quantify the evolution of the contributing components by fitting a model function. The model function quantifies possible initial state fluctuation contributions via the use of higher harmonics, v_n ($n = 2, 3, 4, 5$). The near side jet peak is modeled with an asymmetric 2D Gaussian. In order to model non-flow contributions the Fourier harmonics are shown with and without such a 2D Gaussian. Extracted harmonics parameters are compared with IP Glasma model predictions.

On behalf of collaboration:

ALICE

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Session Classification: Poster session

Track Classification: Correlations and Fluctuations