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Study of h-h and V0-h angular correlations in Pb-Pb collisions at sNN = 2.76 TeV

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Two-particle angular correlations provide a powerful tool to study jets and their modication in ultra-relativistic heavy-ion collisions. The study of the particle species dependence of correlation structures as a function of transverse momentum provides additional information on the particle production mechanisms at LHC energies.

In this contribution we will present studies of a near-side jet-like correlation peak in (eta,phi) space for Pb-Pb collisions at

 $sqrt(s_NN) = 2.76$ TeV. The measurement is performed using the correlations formed by pairs of high pT (6 < $pT_trig < 15$ GeV/c), and Lambda, antiLambda, K0S (trigger particles) associated with

unidentified charged hadrons in the transverse momentum range 3 GeV/c < $pT_assoc < pT_trig$. The jet-like peak yield and width for different trigger strange particles are investigated as a function of pT_trig , pT_assoc and collision centrality.

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