Contribution ID: **36** Type: **Talk**

Anisotropic flow of inclusive and identified particles in Pb–Pb collisions at $\sqrt{s_{\rm NN}} = 5.02$ TeV

Thursday 15 June 2017 18:20 (20 minutes)

Measurements of azimuthal anisotropic flow provide valuable information on the properties of the matter created in heavy-ion collisions. In this talk we present the elliptic, triangular and quadrangular flow of inclusive and identified charged particles measured in Pb–Pb collisions at $\sqrt{s_{\rm NN}} = 5.02$ TeV recorded by the ALICE detector. The measurements are presented for a wide range of particle transverse momenta within the pseudo-rapidity region $|\eta| < 0.8$. The results are compared to the measurements at lower energy reported by the LHC experiments and also to theoretical predictions.

List of tracks

Fluctuation in initial conditions, collective flow and correlations

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Session Classification: Fluctuation in initial conditions, collective flow and correlations