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## Dihadron angular correlations in PbPb collisions with HYDJET++ model.

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The hybrid model HYDJET++, including soft and hard physics, is employed for the analysis of azimuthal anisotropy harmonics and dihadron angular correlations measured in PbPb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV. The soft part of the model represents a thermal hadron production at the freeze-out hypersurface in accordance with hydrodynamical calculations. The possible triangular shape fluctuation of the initial overlap density of the colliding nuclei was implemented in HYDJET++ by the modulation of the final freeze-out hypersurface with the appropriate triangular coefficient, which results in triangular flow  $v_3$ . Along with elliptic flow  $v_2$ , it generates higher order flow coefficients, as well as a specific structure of dihadron angular correlations on relative azimuthal angle in a broad range of relative pseudorapidities ( $\Delta\varphi\Delta\eta$ ). The comparison of model results with the LHC data on short- and long-range angular correlations is presented for different collisions centralities and transverse momenta intervals.

### On behalf of collaboration:

None

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