

Elliptical and triangular azimuthal flows in heavy-ion collisions with HYDJET++ model at the LHC energies

We are generating the production of particles in Xe–Xe, Pb–Pb and O–O collisions using Monte Carlo HYDJET++ model which simulates collisions of heavy ions as a mixture of two independent components: the soft hydrodynamic part and the hard part with multipart processes. A comparison of the model results for elliptical and triangular azimuthal flows of charged particle at the LHC energies with the CMS experimental data is presented. In addition, the predictions are given for azimuthal flows for new energies and new nuclei.

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Section

Heavy ion collisions at Intermediate and high energies

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