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Influence of spatial and dynamical anisotropies on flow and femtoscopy radii in relativistic heavy-ion collisions at LHC.

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Correlations between geometric and dynamical anisotropies and development of elliptic and triangular flow together with the oscillations of femtoscopy radii are studied within the HYDJET++ model in relativistic heavy ion collisions at energies of LHC. The point was to describe the flow and the femtoscopy observables simultaneously. It appears that the results obtained for spatial anisotropy alone anticorrelate with the data, whereas dynamical anisotropy provides both the correct sign of v_2 and v_3 and the correct phase of the oscillations of femtoscopy radii. Nevertheless, magnitudes of the oscillations in the latter case cannot match the measured signals. For the quantitative description of the data we need both types of the anisotropy.

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