

Higher flow harmonics and cross-talk of elliptic and triangular flows

Monday 15 September 2014 09:30 (30 minutes)

Generation of higher flow harmonics in the HYDJET++ model is studied for lead-lead collisions at $\sqrt{s} = 2.76$ ATeV. The model enables one to investigate the role of several processes, such as the interplay of hydrodynamics and jets, and the final state interactions. Comparison with the experimental data shows that the cross-talk of elliptic v_2 and triangular v_3 flows in the model reproduces qualitatively and, sometimes, quantitatively the basic trends observed for quadrangular v_4 , pentagonal v_5 and hexagonal v_6 flows.

Author: ZABRODIN, Evgeny (University of Oslo (NO))

Presenter: ZABRODIN, Evgeny (University of Oslo (NO))