Contribution ID: **7** Type: **Lecture**

Thermal and hydrodynamic models for description of relativistic nucleus-nucleus collisions.

Monday 8 January 2018 18:15 (1 hour)

The models of relativistic nuclear-nuclear collisions: statistical, as historically the first, and currently used - thermal, hydrodynamic, kinetic, and others will be described. Significant attention will be paid to the hydrodynamic approach to nuclear collisions modeling as the basis of all modern models. The pioneering analytical model - the hydrodynamic Landau model, as well as the more modern - Bjorken model will be considered in detail. The formation of hadron spectra in such models will be considered, the concept of "freeze-out" - the freezing of hadron spectra and chemical composition - will be introduced.

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