DUALITIES IN HEAVY-ION COLLISIONS

O. Teryaev, G. Prokhorov, V. Zakharov

Joint Institute for Nuclear Research

E-mail: teryaev@theor.jinr.ru

The interplay between different theoretical descriptions of nuclear matter is considered. The statistical approach based on Zubarev density matrix appears to be dual to the geometrical one based on conical singularities for accelerated media. The new phase transition in accelerated media is predicted in both approaches which may explain the hadronization and fast thermalization.