

## The Equation of State and Multiple Particle Production

*пятница, 1 декабря 2023 г. 11:35 (45)*

The connection between the equation of state of fireball matter produced in collisions of heavy nuclei and the distribution of such fireballs in the net-baryon number is considered on the basis of lattice simulations of QCD at imaginary chemical potential. A particular attention is given to events with great net-baryon numbers. Equations of state are discussed that assume a phase transition with a discontinuity in the net-baryon number density at 1 GeV.

**Presenter(s)** : ROGALYOV, Roman (NRC KI - Logunov IHEP, Protvino)

**Session Classification** : Morning session 1/12/2023

**Track Classification** : General Quantum Field Theory