



Contribution ID: 219

Type: **Talk**

## Shear viscosity of nucleons and pions in heavy-ion collisions at energies of NICA

*Friday, 11 September 2020 09:00 (30 minutes)*

We continue our study of shear viscosity of nuclear matter in the central zone of central Au+Au collisions at NICA energies. Calculations are done within the UrQMD model both for dynamic case of A+A collisions and for the box with periodic boundary conditions to study the relaxation process and determine the damping rates. Statistical model of ideal hadron gas helps us to extract temperature and chemical potentials of the system. Shear viscosity is calculated according to the Green-Kubo formula. Partial viscosities of nucleons and pions are also studied.

### Is this abstract from experiment?

No

### Internet talk

Yes

### Name of experiment and experimental site

N/A

### Is the speaker for that presentation defined?

Yes

### Details

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**Session Classification:** Plenary