



Contribution ID: 225

Type: **Talk**

Strangeness freeze-out in heavy-ion collisions at energies of BES/FAIR/NICA

Thursday, 1 October 2020 15:05 (30 minutes)

Production of strange hadrons is studied in heavy-ion collisions at energies of BES, FAIR and NICA within the microscopic transport models. The whole interaction area is subdivided into the smaller cells. We perform the analysis of the space-time evolution of all particles in all cells, in the $T\text{-}\mu_B$ and $T\text{-}\mu_S$ planes, and the analysis in $x\text{-}t$ of the finally emitted strange and non-strange particles.

Following the time evolution of the distributions, one sees earlier freeze-out of kaons and pions compared to, e.g., protons and Lambdas. The latter appear to be frozen out at lower temperature and larger strangeness chemical potential.

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

Prof. Larisa Bravina, Department of Physics, University of Oslo,
www.uio.no

Primary authors: BRAVINA, Larisa; ZABRODIN, Evgeny (University of Oslo (NO))

Presenter: BRAVINA, Larisa

Session Classification: Plenary