Workshop on Collectivity in Small Collision Systems

Report of Contributions

https://indico.nbi.ku.dk/e/981

Contribution ID: **0** Type: **not specified**

Collectivity in EPOS

EPOS is a “unified approach” for small and big systems, in all cases implementing intial and final state interactions, the latter ones being essentially a hydrodynamical evolution of the core part. We report about recent developments of the EPOS approach, aiming to understand the transition from small to big systems.

Summary

EPOS is a “unified approach” for small and big systems, in all cases implementing intial and final state interactions, the latter ones being essentially a hydrodynamical evolution of the core part. We report about recent developments of the EPOS approach, aiming to understand the transition from small to big systems.

Author: WERNER, Klaus (Univ Nantes)

Presenter: WERNER, Klaus (Univ Nantes)

Contribution ID: **1** Type: **not specified**

Collectivity in small systems with the DIPSY and FritiofP8 MC event generators

The study of collectivity is usually carried out using macroscopic hydrodynamical models, to describe features of the QGP phase. We present new efforts involving the construction of microscopic models to describe strangeness production and collective effects, so far tested for small systems, implemented in the DIPSY and the FritiofP8 event generators.

Author: BIERLICH, Christian (Lund University)

Presenter: BIERLICH, Christian (Lund University)

Contribution ID: **2** Type: **not specified**

Collective behavior in small systems from the RHIC geometry and energy scan

I will present recent results from RHIC examining collective behavior in a series of experiments that scan different small-system geometries and center-of-mass energies.

Author: Prof. VELKOVSKA, Julia (Vanderbilt University)

Presenter: Prof. VELKOVSKA, Julia (Vanderbilt University)

Contribution ID: **3** Type: **not specified**

Opening

Contribution ID: **4** Type: **not specified**

Opening

Tuesday 9 May 2017 09:30 (10 minutes)

Presenter: Prof. GAARDHOJE, Jens Jorgen (Niels Bohr Institute)

Session Classification: Session I

Contribution ID: **5** Type: **not specified**

Review of current status (Open Questions)

Tuesday 9 May 2017 09:40 (20 minutes)

Presenter: Dr SCHUKRAFT, Jurgen (CERN)

Session Classification: Session I

Contribution ID: **6** Type: **not specified**

"Long-range collectivity"in small systems

Tuesday 9 May 2017 11:00 (40 minutes)

Presenter: Prof. JIA, Jiangyong

Session Classification: Session I

Contribution ID: **7** Type: **not specified**

Collective behavior in small systems

Tuesday 9 May 2017 14:30 (30 minutes)

Presenter: Mr ZHOU, Mingliang

Session Classification: Session II

Contribution ID: **8** Type: **not specified**

Is a QGP fluid created in pp/pA and why it's a question of importance? –some perspectives on the key questions

Tuesday 9 May 2017 10:00 (40 minutes)

Presenter: Prof. LI, Wei (Rice University)

Session Classification: Session I

Contribution ID: **9** Type: **not specified**

Exploring collectivity with multi-particle correlations: status, new developments and limitations

Tuesday 9 May 2017 12:20 (40 minutes)

Presenter: Dr GUILBAUD, Maxime

Session Classification: Session I

Contribution ID: **10** Type: **not specified**

”Flow” in small systems: current and future developments

Tuesday 9 May 2017 11:40 (40 minutes)

Presenter: Dr ZHOU, You (Niels Bohr Institute)

Session Classification: Session I

Contribution ID: **11** Type: **not specified**

2- and multi-particle cumulants in small systems

Tuesday 9 May 2017 15:00 (30 minutes)

Presenter: Ms GAJDOSOVA, Katarina (Niels Bohr Institute, Copenhagen)

Session Classification: Session II

Contribution ID: **12** Type: **not specified**

Collective behavior in small systems from the RHIC geometry and energy scan

Tuesday 9 May 2017 16:00 (40 minutes)

Presenter: Prof. VELKOVSKA, Julia (Vanderbilt University)

Session Classification: Session II

Contribution ID: **13** Type: **not specified**

Selected STAR results and more

Tuesday 9 May 2017 16:40 (40 minutes)

Presenter: Prof. LACEY, Roy

Session Classification: Session II

Contribution ID: **14** Type: **not specified**

Discussion: Analysis details

Contribution ID: **15** Type: **not specified**

Open discussion (Analysis Details)

Tuesday 9 May 2017 17:20 (40 minutes)

Session Classification: Session II

Contribution ID: **16** Type: **not specified**

Collectivity in EPOS

Wednesday 10 May 2017 10:30 (40 minutes)

Presenter: WERNER, Klaus (Univ Nantes)

Session Classification: Session III

Contribution ID: **17** Type: **not specified**

What do hydrodynamic fits to data tell us about QCD properties?

Wednesday 10 May 2017 09:30 (40 minutes)

Presenter: Prof. ROMATSCHKE, Paul

Session Classification: Session III

Contribution ID: **18** Type: **not specified**

Collectivity in small systems with the DIPSY and FritiofP8 MC event generators

Wednesday 10 May 2017 11:10 (40 minutes)

Presenter: BIERLICH, Christian (Lund University)

Session Classification: Session III

Contribution ID: **19** Type: **not specified**

Theory:

Wednesday 10 May 2017 11:50 (40 minutes)

Presenter: Dr SCHENKE, Bjoern

Session Classification: Session III

Contribution ID: **20** Type: **not specified**

And what about parton energy loss?

Wednesday 10 May 2017 15:10 (40 minutes)

Presenter: Dr LOIZIDES, Constantinos

Session Classification: Session IV

Contribution ID: **21** Type: **not specified**

General characteristics of pp collisions at high energy and anisotropic flow

Author: Prof. BRAVINA, Larissa

Presenter: Prof. BRAVINA, Larissa

Contribution ID: **22** Type: **not specified**

Further predictions for flow in p+Pb collisions

Wednesday 10 May 2017 14:30 (40 minutes)

Presenter: Mr OLLITRAULT, Jean-Yves (Saclay)

Session Classification: Session IV

Contribution ID: **23** Type: **not specified**

Summary

Wednesday 10 May 2017 16:10 (40 minutes)

Presenter: Dr FLORIS, Michele

Session Classification: Session IV

Contribution ID: **24** Type: **not specified**

Overview of LPCC activities

Thursday 11 May 2017 09:30 (15 minutes)

vidyo link: https://vidyoportal.cern.ch/join/Kcmvjg7KUm

Presenter: Dr GROSSE-OETRINGHAUS, Jan Fiete (CERN)

Session Classification: Understanding collectivity collectively

Contribution ID: **25** Type: **not specified**

Collectivity in small systems: Ideas for common plots and definitions

Thursday 11 May 2017 09:45 (45 minutes)

Presenter: Dr GROSSE-OETRINGHAUS, Jan Fiete (CERN)

Session Classification: Understanding collectivity collectively

Contribution ID: **26** Type: **not specified**

Discussion

Thursday 11 May 2017 11:00 (1 hour)

Presenter: Dr GROSSE-OETRINGHAUS, Jan Fiete (CERN)

Session Classification: Understanding collectivity collectively