

INT Program INT 15-2b Week 1

Correlations and Fluctuations in p+A and A+A Collisions

July 6 - July 31, 2015

ALL TALKS WILL BE HELD IN THE SEMINAR ROOM, C421

Monday, July 6, 2015

10:00 AM Welcome and informal discussion
Gunther Roland, MIT

3:00 PM Informal discussion

Tuesday, July 7, 2015

10:00 AM "Pending issues on correlations and fluctuations"
Group discussion

3:00 PM Informal discussion

Wednesday, July 8, 2015

10:00 AM "Pending issues on correlations and fluctuations"
Group discussion

3:00 PM Informal discussion

Thursday, July 9, 2015

10:00 AM "Fluctuations in event-by-event hydrodynamics"
Group discussion

3:00 PM Informal discussion

Friday, July 10, 2015

10:00 AM Open Discussion on Other Topics
Group discussion

3:00 PM Informal discussion

INT Program INT 15-2b Week 2

Correlations and Fluctuations in p+A and A+A Collisions

July 6 - July 31, 2015

*ALL TALKS WILL BE HELD IN THE SEMINAR ROOM, C421 &
ALL AFTERNOON DISCUSSIONS WILL BE HELD IN C-423*

Monday, July 13, 2015

- 10:00 AM "Extracting η/s in the presence of bulk viscosity in heavy ion collisions"
Jacquelyn Noronha-Hostler, Columbia University
- 11:00 AM "Fluctuating Hydrodynamics Confronts the Rapidity Dependence of Transverse Momentum Fluctuations"
Sean Gavin, Wayne State University
- 3:00 PM Informal discussion: extracting the shear viscosity of the QGP from experimental data

Tuesday, July 14, 2015

- 10:00 AM "Quantifying properties of hot and dense QCD matter through systematic model-to-data comparison"
Jonah Bernhard, Duke University
- 11:00 AM Moderated discussion about the parameterization of the equation of state
Scott Pratt, Michigan State University
- 3:00 PM Informal discussion about hydrodynamic modeling

Wednesday, July 15, 2015

- 10:00 AM "Proton-nucleus collisions in hydrodynamics"
Matthew Luzum, University of Santiago de Compostela
- 11:00 AM "Alternative to the two-component ansatz and implications for small collision systems"
John Scott Moreland, Duke University
- 2:00 PM Discussion about flow methods in small multiplicity events
Shenqtuan Tuo, Vanderbilt University
- 3:00 PM Informal discussion about flow in proton-nucleus collisions

Thursday, July 16, 2015

- 10:00 AM "Longitudinal decorrelation of flow orientation angle from an experimental perspective"
Wei Li, Rice University
- 10:45 AM "Decorrelation of anisotropic flows along longitudinal direction"
LongGang Pang, Frankfurt Institute of Advanced Studies
- 11:30 AM "Event-plane angle correlation in pseudorapidity"
Piotr Bozek, AGH University of Science and Technology
- 3:00 PM Informal discussion about longitudinal fluctuations

INT Program INT 15-2b Week 2

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Friday, July 17, 2015

- 10:00 AM "Pre-equilibrium dynamics and its influence on final flow and correlation observables"
Ulrich Heinz, The Ohio State University
- 11:00 AM "Chiral anomaly induced phenomena in QGP: How can we test them in A+A and p+A ?"
Ho-Ung Yee, University of Illinois at Chicago
- 3:00 PM Informal discussion on event-by-event HBT fluctuations
Moderated by Ulrich Heinz, The Ohio State University

INT Program INT 15-2b Week 3

Correlations and Fluctuations in p+A and A+A Collisions

July 6 - July 31, 2015

*ALL TALKS WILL BE HELD IN C520,
UNLESS LISTED OTHERWISE*

Monday, July 20, 2015

- 10:00 AM "Two-point correlations in CGC"
Michael Lublinsky, Ben-Gurion University
- 11:00 AM "Perspectives for finding signatures of saturation in production of forward-forward dijets at the LHC"
Krzysztof Kutak, Institute of Nuclear Physics PAN
- 3:00 PM Informal discussion about saturation

Tuesday, July 21, 2015

- 10:00 AM "Thermal noise and Gubser flow"
Li Yan, CEA Saclay
- 11:00 AM "Thermal fluctuations in hydrodynamics and heavy ion collisions"
Clint Young, Michigan State University
- 3:00 PM Informal discussion about hydrodynamic fluctuations

Wednesday, July 22, 2015

- 8:00 AM **Workshop Registration in Room C411**
- 10:00 AM "Principal component analysis and factorization breaking"
Aleksas Mazeliauskas, Stony Brook University
- 10:45 AM **Refreshment Break**
- 11:00 AM "Correlations between flow harmonics in Pb+Pb collisions"
Soumya Mohapatra, Columbia University
- 2:00 PM "Viscous Effects on the Mapping of the Initial to Final State in Heavy Ion Collisions"
Frederique Grassi, Universidade de Sao Paulo
- 2:45 PM "Coarse-grained transport studies about local equilibrium and negative Cooper-Frye"
Hannah Petersen, Frankfurt Institute for Advanced Studies
- 3:30 PM **Refreshment Break**
- 6:30 PM Workshop Dinner at Mamma Melina's

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Thursday, July 23, 2015

- 10:00 AM "Cold atoms and the hot quark-gluon plasma"
Fuqiang Wang, Purdue University
- 10:45 AM **Refreshment Break**
- 11:00 AM "Hard-soft correlations in pA collisions"
Jose Guilherme Milhano, Univ. de Lisboa - IST
- 2:00 PM "Monte Carlo Glauber modeling in pA and AA collisions"
Massimiliano Alvioli, CNR-IRPI
- 2:45 PM "Color fluctuation phenomena in hadron - nucleus collisions at collider energies"
Mark Strikman, Pennsylvania State University
- 3:30 PM **Refreshment Break**

Friday, July 24, 2015

- 10:00 AM "Contribution of Anisotropic Particle Escape to Elliptic Flow from Transport Models"
Zi-Wei Lin, East Carolina University
- 10:45 AM **Refreshment Break**
- 11:00 AM "Flow in small systems from parton scatterings"
Guo-Liang Ma, Shanghai Institute of Applied Physics, Chinese Academy of Sciences
- 2:00 PM "Initial state in small systems"
Soeren Schlichting, Brookhaven National Lab
- 2:45 PM "Anisotropic gluon distribution of a nucleus"
Adrian Dumitru, Baruch College, CUNY
- 3:30 PM **Refreshment Break**

INT Program INT 15-2b Week 4

Correlations and Fluctuations in p+A and A+A Collisions

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Monday, July 27, 2015

10:00 AM "Collective flow without hydrodynamics: simulation results for relativistic ion collisions"
Paul Romatschke, University of Colorado Boulder

3:00 PM Informal discussion

Tuesday, July 28, 2015

10:00 AM "Exact solution to the Boltzmann equation subject to Gubser flow"
Michael Strickland, Kent State University

3:00 PM Informal discussion

Wednesday, July 29, 2015

10:00 AM "Initial state correlations"
Alex Kovner, University of Connecticut

11:00 AM "All-order resummation of large collinear logarithms in the QCD evolution at high energy"
Edmond Iancu, CEA Saclay

3:00 PM Informal discussion

Thursday, July 30, 2015

10:00 AM "Initial baryonic number fluctuations and its hydrodynamic propagation on a Bjorken background"
Mauricio Martinez, The Ohio State University

11:00 AM "Strong-Coupling Effects in a Plasma of Confining Gluons"
Radoslaw Ryblewski, Institute of Nuclear Physics PAN

3:00 PM Informal discussion

Friday, July 31, 2015

10:00 AM "Finite size of hadrons and Bose-Einstein correlations"
Wojciech Florkowski, The Henryk Niewodniczanski Institute of Nuclear Physics

3:00 PM Informal discussion