

## RBRC Workshop

## Initial State Fluctuations and Final-State Particle Correlations

Organizers: Adrian Dumitru, Denes Molnar and Fuqiang Wang

Physics Department Large Seminar Room  
February 2-4, 2011

	Wednesday (feb 2)	Thursday (feb 3)	Friday (feb 4)
8:45 – 9:00	Opening (Organizer)[1]	[2]	[3]
9:00 – 9:30	J. Chin-Hao Chen (Overview of dihadron correlations from PHENIX)	J. Putschke (The high-pT ridge at RHIC)	E. Shuryak (Sound Propagation in an Expanding Fireball)
9:30 – 10:00	F. Wang (How much is medium flow, how much is jet-medium interaction: An experimental perspective)	J. Jalilian-Marian (Di-jets and Ridges from CGC)	K. Dusling (Ridge correlations and high energy QCD evolution)
10:00 – 10:30	R. Lacey (Initial eccentricity fluctuations and their relation to higher-order flow harmonics)	A. Ayala (Away-side Hadron Correlations from NLO pQCD)	Y. Nara (Fluctuating Valence Charges and the CGC)
10:30 – 11:00	<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>
11:00 – 11:30	G. Roland (Initial State Geometry Fluctuations and 2-particle Correlations)	K. Werner (Hydro Evolution Based on Flux Tube Initial Conditions)	Jun Xu (Triangular Flow and Dihadron Azimuthal Correlations)
11:30 – 12:00	Y. Hama (Ridges in Hydro Approach)	A. Kovner (Angular Correlations in Gluon Emission at High Energy)	U. Heinz (Event-by-event Shape and Flow Fluctuations in RHIC Fireballs)
12:00 – 12:30	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
12:30 – 1:00			
1:00 – 1:30	[4]	[5]	[6]
1:30 – 2:00	P. Sorensen (Dihadron Correlations from Initial State Density Fluctuations)	D. Teaney (Triangularity and Dipole Asymmetry in Heavy Ion Collisions)	Summary (X.N. Wang)
2:00 – 2:30	B. Schenke (Event-by-event hydrodynamic description of anisotropic flow and correlations at RHIC and LHC)	G. Qin (From geometry fluctuations to harmonic flows)	Discussion
2:30 – 3:00	G. Ma (Hot Spots, Harmonic Flow, Dihadron and $\gamma$ -hadron Correlations in High-energy Heavy-ion Collisions)	H. Petersen (Initial State Fluctuations and Triangular Flow in Event-by-Event Ideal Hydrodynamics)	Discussion
3:00 – 3:30	<b>Coffee Break</b>	<b>Coffee Break</b>	
3:30 – 4:00	C. De Silva (The Near-side Long Range Correlation Structure in Two Particle Number Correlations at RHIC)	B. Betz (Jets and Fluctuating Initial Conditions)	
4:00 – 4:30	G. Torrieri (Mach cones from fluctuations in initial conditions)	M. Luzum (Collective flow and long-range correlations in heavy ion collisions)	
4:30 – 5:00			
5:00 – 5:30			
5:30 – 6:00		<b>Dinner for registered participants at Berkner Hall</b>	

1. Chair: P. Sorensen
2. Chair: R. Venugopalan
3. Chair: A. Dumitru
4. Chair: F. Wang
5. Chair: U. Heinz
6. Chair: A. Dumitru