

# Opportunities for Exploring Longitudinal Dynamics in Heavy Ion Collisions at RHIC

January 20-22, 2016

Talks are available at <http://quark.phy.bnl.gov/~kdusling/misc/oeld2016/oeld2016.html>

## Wednesday, January 20th

9:00	Welcome	10	
9:10	Summary of LHC Results on Forward Fluctuations and Correlations	30+10	Wie Li
9:50	Summary of RHIC Results on Forward Fluctuations and Correlations	30+10	Shengli Huang
10:30	Coffee break included with attendance	30	
11:00	Rapidity Dependence in Holographic Heavy Ion Collisions	30+5	Wilke van der Schee
11:35	Initial Longitudinal Structure, Angular Momentum and Directed Flow From Classical Gluon Field	30+5	Rainer Fries
12:10	Lunch on your own		
2:00	Isotropization in Heavy-Ion Collisions	30+5	Soeren Schlichting
2:35	Longitudinal Evolution of Small-x Gluons	30+5	Heikki Mäntysaari
3:10	Coffee break included with attendance	30	
3:40	Longitudinal Fluctuations of the Medium Created in Heavy-Ion Collisions	30+5	Adam Bzdak
4:15	Rapidity Fluctuations in the Initial State of Ultra-Relativistic Heavy-Ion Collisions	30+5	Wojciech Broniowski
4:50	Longitudinal Expansion and the Critical Point	30+5	Yi Yin

## Thursday, January 21st

9:00	STAR Detector Capabilities and Plans	20+5	Zhangbu Xu
9:25	sPHENIX Detector Capabilities and Plans	20+5	John Lajoie
9:50	Anisotropic Hydrodynamics	30+10	Mike Strickland
10:30	Coffee break included with attendance	30	
11:00	Thermal Noise in Heavy Ion Collisions	30+10	Clint Young
11:40	Hydrodynamic Noise and Gubser Flow	30+10	Hanna Gronqvist
12:20	Lunch on your own		
2:00	The Effect of Longitudinal Asymmetries in 3+1D Hydrodynamic Models	30+10	Piotr Bożek
2:40	Fluctuating Hydro Confronts the Rapidity Dependence of Transverse Momentum Fluctuations	30+10	George Moschelli
3:20	Coffee break included with attendance	30	
3:50	Forward $v_n$ Correlations at RHIC Energies	15+5	Niseem Abdelrahman
4:10	Longitudinal $v_1$ Fluctuations at 200 GeV	15+5	Yang Wu
4:35	Rapidity Dependence of Multiplicity Correlations at the LHC	15+5	Sooraj Radhakrishnan

## Friday, January 22nd

9:00	Rapidity Dependence of Flow & Fluctuations: New Constraints on Transport Prop. & the Init. Sta	30+5	Bjoern Schenke
9:35	Initial Baryon Number Fluctuations and Their Fluid Dynamic Response	30+5	Mauricio Martinez
10:10	Coffee break included with attendance	20	
10:30	Transport Coefficients in a Strongly Coupled, Baryon-Rich QGP	30+5	Jorge Noronha
11:05	Hydrodynamics with Noise, Hydrokinetics, and Fractional Powers of the Gradient Expansion	30+5	Derek Teaney
11:40	Workshop Summary	40+10	Sean Gavin
12:30	Adjourn		