

The Ridge Workshop, May 7 - 11, 2012, Insitute of Nuclear Theory, Seattle

All talks in Room C-520

I. MONDAY, May 7, 2012

8:00 - 9:00	Registration and Check-In at INT Office, C-411
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Session Chairman: Fuqiang Wang (Purdue)

9:00 - 9:05	Welcome to INT	D Kaplan (INT)
	Welcome to the Ridge Workshop	CY Wong (ORNL)
9:05 - 9:45	High-pt dihadron correlations on ϕ and η (STAR)	O Evdokimov (Uillinois)
9:45 - 10:25	Dihadron correlations at RHIC in PHENIX	J Frantz (Ohio)
10:25 - 10:45	Break	
10:45 - 11:25	Hadron pair correlations on 1D ϕ and 2D (ϕ, η) (CMS)	W Li (MIT)
11:25 - 12:05	Angular correlations on 1D ϕ and 2D (ϕ, η) (ALICE)	C Pruneau (Wayne State)
12:05 - 1:30	Lunch	

Session Chairman: Thomas Trainor (U Washington)

1:30 - 2:10	pt-integral (inclusive) jet correlations with 2D (ϕ, η) model fits (also p-p)	D Prindle (UWashington)
2:10 - 2:50	Two-particle correlations on $\log(p_t)$ and the $\log(p_t)$ dependence of angular (η, ϕ) correlation features in Au+Au at $\sqrt{s_{NN}} = 200$ GeV at STAR	E Oldag (UTexas)
2:50 - 3:10	Break	
3:10 - 3:50	Correlation comparisons (CMS and PHOBOS)	G Stephans (MIT)

Discussion Chairman: Roy Lacey (Stonybrook)

3:50 - 4:40	Discussion on Experimental 1D and 2D angular correlations, jets, and the ridge
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II. TUESDAY, May 8, 2012

Session Chairman: Wei Li (MIT)

9:00 - 9:40	v_n and correlations on ϕ [and 2D on (ϕ, η)] (ATLAS)	J Jia (Stonybrook)
9:40 - 10:20	v_n and correlations on ϕ (PHENIX)	J Chen (BNL)
10:20 - 10:40	Break	
11:20 - 12:00	v_n analysis and flow/nonflow separation	D Kikola (Purdue)
10:40 - 11:20	v_n measurements and flow/nonflow studies by STAR	L Yi (Purdue)
12:00 - 1:30	Lunch	

Session Chairman: Jiangyong Jia (Stonybrook)

1:30 - 2:10	Azimuth quadrupole (v_2) correlations on (ϕ, η) with 2D model fits (also p-p)	D Kettler (UWashington)
2:10 - 2:50	v_n in relation to initial-state geometry and medium properties	R Lacey (Stonybrook)
2:50 - 3:10	Break	
3:10 - 3:50	Initial-state geometry fluctuations and final-state v_n fluctuations	P Sorensen (BNL)
3:50 - 4:30	Dihadron Correlations in AMPT	CM Ko (TexasA&M)

Discussion Chairman: Lanny Ray (UTexas)

4:50 - 5:40	Discussion on 1D and 2D v_n measurements and interpretations, hydro flows, and the ridge
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III. WEDNESDAY , May 9, 2012

Session Chairman: Jamal Jalilian-Marian (CUNY)

9:00 - 9:40	Fluctuations in the CGC: KNO scaling and higher-order eccentricities	A Dumitru (CUNY)
9:40 - 10:20	Long-range rapidity correlations in high multiplicity p-p collisions	K Dusling (NCarolinaState)
10:20 - 10:40	Break	
10:40 - 11:20	Fluctuating Glasma initial conditions and flow in heavy ion collisions	R Venugopalan (BNL)
11:20 - 12:00	A-A initial conditions (glasma flux tubes) \times radial flow \rightarrow the ridge	S Gavin (WayneState)
12:00 - 1:30	Lunch	

Session Chairman: Yojiro Hama (USaoPaulo)

1:30 - 2:10	Ridges at low and high transverse momentum	K Werner (SUBATECH)
2:10 - 2:50	On the connection between initial eccentricity fluctuations & flow harmonics	WL Qian (UOuroPreto)
2:50 - 3:10	Break	
3:10 - 3:50	How ridge structures appear dynamically in a hydro approach with one-tube model	R Andrade (USaoPaulo)
3:50 - 4:30	Hydrodynamic fluctuations	B Müller (Duke)

Discussion Chairman: Raju Venugopalan (BNL)

4:50 - 5:40	Discussion on CGC and other initial conditions plus transport models and the ridge
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IV. THURSDAY, May 10, 2012

Session Chairman: Enke Wang (HuaZhongNU)

9:00 - 9:40	Hot spots and dihedron correlations	XN Wang (LBL)
9:40 - 10:20	Ridge correlations from 3+1D hydrodynamics	LG Pang (LBL)
10:20 - 10:40	Break	
10:40 - 11:20	Novel Bose-Einstein interference effect in the passage of a jet in a dense medium	CY Wong (ORNL)
11:20- 12:00	Effects of minijets on hadronic observables without hydro flow	R Hwa (UOregon)
12:00 - 1:30	Lunch	

Session Chairman: Klaus Werner (SUBATECH)

1:30 - 2:10	Manifestations of pQCD and jets in high-energy nuclear collisions	T Trainor (UWashington)
2:10 - 2:50	Ridge in pp collisions at LHC	CB Yang (HuaZhongNU)
2:50 - 3:10	Break	
3:10 - 3:50	Correlation systematics vs the current suite of RHIC/LHC sQGP theories	L Ray (UTexas)

Discussion Chairman: Rudy Hwa (UOregon)

3.50 - 4.40	Discussion on parton propagation in a dense medium, jet modifications, and the ridge
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7:00 - 9:30	Banquet
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V. FRIDAY, May 11, 2012

Session Chairman: Larry McLerran (BNL)

9:00 - 9:40	The ridge from BFKL evolution and beyond	A Rezaeian (USantaMaria)
9:40 - 10:20	Jet tomography of fluctuating initial conditions and the “hard ridge”	J Liao (Indiana)
10:20 - 10:40	Break	
10:40 - 11:20	Long-range rapidity correlations, parton percolation, color glass condensate	C Pajares (SantiagoDelCom)
11:20 - 12:00	Thermal gauge theories, hydrodynamics, and the AdS/CFT correspondence	M Kaminski (UWashington)