

NEW DIRECTIONS IN NONPERTURBATIVE QCD

Workshop Schedule

Monday, March 27th

09:30 - 10:00	<i>registration</i>	
10:00 - 10:50	GUPTA	Localization of eigenvectors of the Dirac operator above T_c
10:50 - 11:15	<i>coffee break</i>	
11:15 - 12:05	STEPHANOV	QCD and a Holographic Model of Hadrons
12:05 - 12:55	BRINGOLTZ	The critical region in phase transitions of strong-coupling lattice QCD
13:00 - 14:30	<i>lunch break</i>	
14:30 - 15:20	SPLITTORFF	The epsilon-limit of QCD at Nonzero Chemical Potential
15:20 - 15:45	<i>coffee break</i>	
15:45 - 16:35	WIESE	D-Theory : Field Theory from Dimensional Reduction of Discrete Variables
16:35 - 17:25	WENGER	Baryonic matter in the lattice Gross-Neveu model
19:30	<i>welcome dinner</i>	

Tuesday, March 28th

10:00 - 10:50	LAERMANN	Approaching QCD at finite density via Taylor expansion
10:50 - 11:15	<i>coffee break</i>	
11:15 - 12:05	HERNANDEZ	Towards a quantitative understanding of the Delta $I=1/2$ rule
12:05 - 12:55	LAINE	Determining low-energy constants with topological zero modes
13:00 - 14:30	<i>lunch break</i>	
14:30 - 15:20	ZIRNBAUER	Howe Duality and the Color-Flavour Transformation
15:20 - 15:45	<i>coffee break</i>	
15:45 - 16:35	NONNENMACHER	Color-Flavour Transformation and effective chiral models
16:35 - 17:25	FYODOROV	A few remarks on color-flavour and related transformations


Wednesday, March 29th

10:00 - 10:50	NEUBERGER	Infinite N phase transitions in continuum Wilson loop operators
10:50 - 11:15	<i>coffee break</i>	
11:15 - 12:05	TEPER	Large N : some lattice calculations
12:05 - 12:55	KORTHALS- ALTES	Large N gauge theory : why 1/N corrections are possible
13:00 - 14:30	<i>lunch break</i>	
14:30 - 15:20	BASILE FRANSEN	- Relax and complex correlations functions in massive symplectic Random Matrix Ensembles - Higher representations and the Corrigan- Ramond large-N : Getting non-perturbative QCD from SYM
15:20 - 15:45	<i>coffee break</i>	
15:45 - 16:35	KANZIEPER	Statistics of real eigenvalues in the complex spectra of random real matrices
16:35 - 17:25	CICUTA	Random Matrices with independent entries

Thursday, March 30th

10:00 - 10:50	D'ADDA	Exact extended Supersymmetry on the lattice
10:50 - 11:15	<i>coffee break</i>	
11:15 - 12:05	FEO	Exact lattice supersymmetry
12:05 - 12:55	CATTERALL	Twisted Lattice Supersymmetry
13:00 - 14:30	<i>lunch break</i>	
14:30 - 15:20	GIEDT	Symmetry and scaling in the Q-exact lattice (2,2) 2d Wess-Zumino model
15:20 - 15:45	<i>coffee break</i>	
15:45 - 16:35	TOUBLAN	Phases of QCD in the 1/Nc expansion
16:35 - 17:25	MEURICE	Interpolation between weak and strong coupling of the plaquette in quenched QCD
20:00	<i>social dinner</i>	

Friday, March 31st

10:00 - 10:50	BIETENHOLZ	Overlap Hypercube Fermions in QCD Near the Chiral Limit
10:50 - 11:15	<i>coffee break</i>	
11:15 - 12:05	FOLLANA	Index Theorem and Random Matrix Theory for Staggered Quarks
12:05 - 12:55	SHCHEREDIN	Latest applications of a perfect action
13:00 - 14:30	<i>lunch break</i>	
14:30 - 15:20	WETTIG	
15:20 - 16:00	VERBAARSCHOT	Summary