

## Tuesday 16 December

### Lake View Room session



8:00-8:30		<i>registration</i>	
8:30-9:00			
9:00-9:30		<i>coffee break</i>	
9:30-10:00			
10:00-10:30	Thom	Volovich	<i>Gluon scattering amplitudes: from weak to strong coupling</i>
10:30-11:00		Orland	<i>Near-Integrability and Soft Scattering in QCD</i>
11:00-11:30		Siopsis	<i>Bjorken flow from an AdS Schwarzschild black hole</i>
11:30-12:00		Spradlin	<i>The Tree-Level S-Matrix of Gravity</i>
12:00-12:30			
12:30-1:00		<i>lunch break</i>	
1:00-1:30			
1:30-2:00			
2:00-2:30			
2:30-3:00	Luca & Cosmas	Englert	<i>The twenty-four near-instabilities of Caspar-Klug viruses</i>
3:00-3:30		Bracken	<i>Schrodinger's Equation in Phase Space</i>
3:30-4:00		Zachos	<i>Umbral Deformations to Discrete Spacetime</i>
4:00-4:30		Miller	<i>Regge Calculus and the Quantum Computational Universe: Quantum Gravity without Quantum Gravity</i>
4:30-5:00			<i>tea break</i>
5:00-5:30		McGuire	<i>Quantum wires and simplexes in an integrable system</i>
5:30-6:00		Pawellek	<i>Finite size effects on kinks and solitons</i>
6:00-6:30		Bender	<i>Classical and Quantum Physics in the Complex Domain</i>
6:30-7:00			
7:00-9:00		<i>reception</i>	

## Wednesday 17 December



### Lake View Room session

8:00-8:30	Ina & Steve	Yasuda	<i>Signatures of sterile neutrino mixing in high-energy cosmic neutrino flux</i>	
8:30-9:00		Ekelof	<i>The 3 TeV Compact Linear Collider CLIC</i>	
9:00-9:30			<i>coffee break</i>	
9:30-10:00		Williams	<i>Status of the IceCube Neutrino Observatory</i>	
10:00-10:30		Fazely	<i>Search for <math>\eta \rightarrow \nu_e \bar{\nu}_e \nu_e \nu_e</math> Decay in Cubic Kilometer Detectors</i>	
10:30-11:00		Richardt	<i>Status and first results of the ANTARES neutrino telescope</i>	
11:00-11:30		Sarcevic	<i>High Energy Neutrinos from Charm in Astrophysical Sources</i>	
11:30-12:00				
12:00-12:30				
12:30-1:00				
1:00-1:30		<i>lunch break</i>		
1:30-2:00				
2:00-2:30				
2:30-3:00	Steve & Ina	Mintz	<i>Weak Lambda and Sigma Production &amp; Polarization in Neutrino and Electron Scattering From Protons</i>	
3:00-3:30		Osmanov	<i>OscSNS - Proposal for a neutrino experiment at ORNL SNS facility</i>	
3:30-4:00		Ray	<i>MiniBooNE Status</i>	
4:00-4:30		D'Angelo	<i>Recent results in low energy solar neutrino spectroscopy with the Borexino detector</i>	
4:30-5:00			<i>tea break</i>	
5:00-5:30		Stanco	<i>Neutrino oscillations with Beams and Reactors: near and far future</i>	
5:30-6:00		Jaffe	<i>The Daya Bay experiment and the quest for <math>\theta_{13}</math></i>	
6:00-6:30	Pastore	<i>The OPERA experiment</i>		
6:30-7:00	de Jong	<i>Recent Results from MINOS</i>		

### Ocean View Room parallel session

2:30-3:00	Luca & Thom	Bhatta	<i>The Nature of Microvariability in Blazars</i>	
3:00-3:30		Guendelman	<i>Axion-Photon duality and splitting of axion and photon beams in the lab. and in the cosmos</i>	
3:30-4:00		Gurtug	<i>Effect of NUT parameter on analytic extension of the Cauchy horizon that may develop in colliding wave spacetimes</i>	
4:00-4:30				
4:30-5:00			<i>tea break</i>	
5:00-5:30		Mazhari	<i>Einstein-Maxwell-Yang-Mills-Born-Infeld black holes</i>	
5:30-6:00		Ashoorioon	<i>Energy Transfer in Multi-field Inflation and Cosmological Signatures</i>	
6:00-6:30	Geshnizjani	<i>Explaining anomalies in cosmology with modified gravity</i>		
6:30-7:00	Burdyuzha	<i>Cosmological Constant in Multiverse</i>		

## Thursday 18 December



### Lake View Room session

8:00-8:30	Josh & Paul	Tronconi	<i>Cosmology and broken scale invariance: a numerical analysis</i>
8:30-9:00		Buniy	<i>Decomposition of geometric perturbations</i>
9:00-9:30		Marfatia	<i>Phase transition in the fine structure constant</i>
9:30-10:00			<i>coffee break</i>
10:00-10:30		Dujmic	<i>Beyond counting: a directional approach to dark matter detection</i>
10:30-11:00		Fry	<i>Probing Dark Matter Substructure with Pulsar Timing</i>
11:00-11:30		Afshordi	<i>Hierarchy in the phase space of dark matter haloes and dark matter detection</i>
11:30-12:00	Cline	<i>Detection and Study of Dark Matter in the Next Few Years</i>	
12:00-12:30			
12:30-1:00		<i>lunch break</i>	
1:00-1:30			
1:30-2:00			
2:00-2:30			
2:30-3:00			
3:00-3:30	Josh & Syd	Robertson	<i>LIGO and the Search for Gravitational Waves</i>
3:30-4:00		Webb	<i>Time Series Analysis of Blazar Optical Variability</i>
4:00-4:30		Bond	<i>Constraining Trajectories of Dark Energy Inflatons</i>
4:30-5:00			<i>tea break</i>
5:00-5:30		de Rham	<i>Cascading Gravity and Degravitation</i>
5:30-6:00		Moffat	<i>Verifiable Predictions in Modified Gravity Theory</i>
6:00-6:30		Branchina	<i>Effective field energy-momentum tensor and cosmological constant problem</i>
6:30-7:00	Mannheim	<i>Doing physics with non-diagonalizable Hamiltonians and solution of ghost problem in fourth-order derivative theories</i>	

### Ocean View Room parallel session

2:30-3:00	Thom & Luca	Minic	<i>String theory of condensed matter systems</i>
3:00-3:30		Okuda	<i>Matrix models for the black hole information paradox</i>
3:30-4:00		Uzawa	<i>Classification of dynamical intersecting brane solutions</i>
4:00-4:30		Gomis	<i>Membranes and Holography</i>
4:30-5:00			<i>tea break</i>
5:00-5:30		Lee	<i>On the giant magnon and spike solutions for strings</i>
5:30-6:00		Thorn	<i>Nonabelian Dirichlet Branes, Open Strings, and Gauge Theory</i>
6:00-6:30	Sawado	<i>Fermions in gravity and the skyrmion background in 6D warped space-time</i>	
6:30-7:00	Kodama	<i>Textures as Branes in Six-dimensional Braneworld Models</i>	

## Friday 19 December



### Lake View Room session

8:00-8:30	Don & Tom	Uno	<i>Determination of light quark masses from electromagnetic splitting ... with QCD + QED domain wall fermions</i>
8:30-9:00		Hosek	<i>A model of soft mass generation</i>
9:00-9:30		Nandi	<i>A New Two Higgs Doublet Model</i>
9:30-10:00			<i>coffee break</i>
10:00-10:30		Russell	<i>Measuring Torsion</i>
10:30-11:00		Colladay	<i>Radiative Corrections in the Electroweak Sector of the Standard Model Extension</i>
11:00-11:30		Goldberg	<i>Dijet signals for low mass strings at the LHC</i>
11:30-12:00		Freund	<i>Diffraction Vector Meson Photoproduction from Dual String Theory</i>
12:00-12:30			
12:30-1:00			<i>lunch break</i>
1:00-1:30			
1:30-2:00			
2:00-2:30			
2:30-3:00	Tom & Paul	Barr	<i>Horizontal (flavor) symmetry from vertical (unified) symmetry</i>
3:00-3:30		Scott	<i>A Flavour-Symmetric Perspective on Neutrino Mixing</i>
3:30-4:00		Shafi	<i>Higgs Mass and Neutrino Oscillations</i>
4:00-4:30		Frampton	<i>T Prime and the Cabibbo Angle</i>
4:30-5:00			<i>tea break</i>
5:00-5:30		Petcov	<i>Neutrino Mass Hierarchy, Dirac and Majorana Leptonic CP Violation and Leptogenesis</i>
5:30-6:00		Oh	<i>Neutrino mass matrix in triplet Higgs models with <math>A_4</math> symmetry</i>
6:00-6:30		Gogoladze	<i>Soft Probes of SU(5) Unification</i>
6:30-7:00			

### Ocean View Room parallel session

2:30-3:00	Thom & Jaume	Rubin	<i>Gravitational Dirac bubbles: Stability and the Mass splitting</i>
3:00-3:30		Shilon	<i>Child universe creation without energy barriers</i>
3:30-4:00		Haba	<i>S-Parameter in the Holographic Walking/Conformal Technicolor</i>
4:00-4:30		Tan	<i><math>N=4</math> SYM in High Energy Collision and the Kalb-Ramond Odderon in AdS/CFT</i>
4:30-5:00			<i>tea break</i>
5:00-5:30		Nilsson	<i>New features of superconformal M2 branes</i>
5:30-6:00		Bergshoeff	<i>Supersymmetry in Three Dimensions</i>
6:00-6:30		Curtright	<i>Ternary Algebras</i>
6:30-7:00			
7:00-10:00			<i>cocktails &amp; banquet</i>

Saturday 20 December



Lake View Room session

8:00-8:30	Guenakh & Pierre	Calmet	<i>Running of the Planck Mass and Colorful Quantum Black Holes at LHC</i>
8:30-9:00		Low	<i>Landau-Yang Theorem and Decays of a <math>Z'</math> Boson into Two Z Bosons</i>
9:00-9:30			<i>coffee break</i>
9:30-10:00		Simard	<i>The Unitarity Triangle measured by BABAR</i>
10:00-10:30		Schumm	<i><math>b \rightarrow s</math> gamma and <math>b \rightarrow d</math> gamma Transition Rates at the B Factories</i>
10:30-11:00		Juste	<i>Recent results and prospects from the Tevatron</i>
11:00-11:30		Bodek	<i>Constraints on PDF from W Asymmetry Data and Z rapidity Distributions at CDF and Prospects for LHC</i>
11:30-12:00			
12:00-12:30			
12:30-1:00			<i>lunch break</i>
1:00-1:30			
1:30-2:00			
2:00-2:30	Tom & Guenakh		
2:30-3:00		Martin	<i>Exploring compressed supersymmetry at the Large Hadron Collider</i>
3:00-3:30		Biino	<i>NA62 experiment at CERN - Testing LFV and the future rare kaon decay project</i>
3:30-4:00		de Barbaro	<i>Status of CMS commissioning</i>
4:00-4:30		Pontecorvo	<i>Status of the ATLAS experiment</i>
4:30-5:00		van Eldik	<i>First physics with ATLAS &amp; CMS</i>
5:00-5:30			<i>tea break</i>
5:30-6:00			
6:00-7:00		<i>travel to Nova</i>	
7:00-8:00			
7:00-8:00		Spiropulu	<i>The Universe in Collisions: Discovery Physics at the LHC</i>
8:00-9:00			<i>reception</i>

**Sunday 21 December**



*Lake View Room session*

8:00-8:30	Thom & Luca	. Beylin	<i>Unitary Spherical Super-Landau Models</i>
8:30-9:00		. Veitia	<i>Dynamical Entanglement Transfer</i>
9:00-9:30		LeClair	<i>A quantum field theory for high <math>T_c</math> superconductivity</i>
9:30-10:00			<i>coffee break</i>
10:00-10:30		Berera	<i>How Galilean invariant theories such as Navier-Stokes are like gauge theories</i>
10:30-11:00		Meurice	<i>Color entropy and Dyson's instability</i>
11:00-11:30		Sezgin	<i>Supersymmetric Solutions of Topological Massive Supergravity</i>
11:30-12:00		Percacci	<i>Fixed points for nonlinear sigma models in <math>d&gt;2</math></i>
12:00-12:30			
12:30-1:00			
1:00-1:30			<i>lunch break</i>
1:30-2:00			
2:00-2:30			

*Travel safely!*