

17th PACIFIC COAST GRAVITY MEETING



Program

March 9, 2001
Friday Morning

Session Chair: Andrew Cumming

Time	Speaker	Affiliation	Title
9:00	Daniel Holz	ITP	Welcome and Opening Remarks
9:15	Andrew Cumming	ITP	Probing neutron stars with X-ray bursts
9:30	Lars Bildsten	ITP	Gravitational Waves from Accreting Neutron Stars
9:45	Michele Vallisneri*	Caltech	Nonlinear evolution of the r-modes in rapidly rotating neutron stars
10:00	Lee Lindblom	Caltech	Gravitational Radiation from the r-Mode Instability
10:15	Yuk Tung Liu*	Caltech	Instabilities of Differentially Rotating Neutron Stars
10:30	-----	COFFEE BREAK	-----
11:00	Virginia Trimble	UC Irvine	Thirty Years After: Joe Weber's Observations with Bar Antennas in the LIGO Era
11:15	Daniel Holz	ITP	Gravitational lensing of high-redshift objects
11:30	Vladimir Pariev*	Los Alamos National Laboratory	Dragging near Supermassive Black Holes: Do We See It?
11:45	Eric Agol	Caltech	The Galactic Center Black Hole
12:00	Walter Landry	Univ. of Utah	Fully Relativistic 3D simulations of Accretion onto Black Holes
12:15	-----	LUNCH BREAK	-----

*student, and hence eligible for the Bell Prize.

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Friday Afternoon

Session Chair: Kirill Krasnov

Time	Speaker	Affiliation	Title
14:00	Amanda Peet	Univ. of Toronto	Black Hole Singularity Resolution and Other Uses of String Theory
14:15	Andrew Chamblin	MIT	Brane-world black holes
14:30	Steve Gubser	Caltech	Black hole instabilities in anti-de Sitter space
14:45	Sumati Surya	Univ. of British Columbia	Phase Transitions for Flat AdS Black Holes
15:00	Kirill Krasnov	UCSB	Asymptotic Quantization of AdS 3D Gravity
15:15	Stanley Ruby	SLAC	Gravity from a new view of Atoms
15:30	-----	COFFEE BREAK	-----
16:00	Brookie Williams*	UCSB	D-branes and Cosmological Singularities
16:15	Ruth Williams	Caltech / Cambridge (DAMTP)	Perturbations of state sum models of 3-d quantum gravity
16:30	Kengo Maeda	UCSB	Reconsideration of the enhancon geometry in general relativity
16:45	Gary Horowitz	UCSB	Bosonic M Theory
17:00	Veronika Hubeny*	UCSB	What can we learn about small objects in AdS?
17:15	Eric Woolgar	Univ. of Alberta	Horizon topology in 5 dimensions
17:30	-----	DINNER	-----

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17th PACIFIC COAST GRAVITY MEETING



Program

March 10, 2001
Saturday Morning

Session Chair: Adrian Gentle

Time	Speaker	Affiliation	Title
9:00	Lior Burko	Caltech	Self force on a scalar charge in the spacetime of a stationary, axisymmetric black hole
9:15	Roberto Sussman	National University of Mexico (UNAM)	Volume averaging in inhomogeneous spacetimes with spherical symmetry
9:30	Charles Torre	Utah State University	General Relativity and Symmetric Criticality
9:45	Adrian Gentle	Los Alamos National Laboratory	Applications of Regge geometrodynamics
10:00	Jim Isenberg	Univ. of Oregon	Gluing Wormholes Onto Your Spacetime
10:15	Poghos Kazarian	Glendale Community College	On the tensor field inflation in the General Relativity homogeneous cosmological model
10:30	-----	COFFEE BREAK	-----
11:00	Jim Hartle	UCSB	How to Teach Relativity to Undergraduates
11:15	Doug Eardley	UCSB	Collapse and Trapped Surfaces in Vacuum Gravity
11:30	William Pezzaglia	Santa Clara University	Equations of Motion of Spinning Particles
11:45	Mac Keiser	Stanford	The status of the Relativity Mission, Gravity Probe B
12:00	Alexandre Kretchetov*	Stanford	Optimal using of the redundant magnetometer signals in the GPB Data Processing
12:15	-----	LUNCH BREAK	-----

17th PACIFIC COAST GRAVITY MEETING



Program

Saturday Afternoon

Session Chair: Scott Hughes

Time	Speaker	Affiliation	Title
14:00	Kip Thorne	Caltech	LIGO-I and LIGO-II Interferometers -- Status and Plans
14:15	Dennis Ugolini	Caltech	Physics Program at the Caltech 40m LIGO Prototype
14:30	Biplab Bhawal	Caltech	End-to-End simulation for LIGO
14:45	Yanbei Chen*	Caltech	Quantum noise in signal recycled laser-interferometer gravitational-wave detectors
15:00	Richard O'Shaughnessy*	Caltech	Reducing thermoelastic noise in LIGO mirrors
15:15	Shanti Rao*	Caltech	Thermal Noise Experiments at LIGO
15:30	Patricia Purdue*	Caltech	Design for a QND speed-meter interferometer
15:45	-----	COFFEE BREAK	-----
16:15	Scott Hughes	ITP	Can LISA see extreme mass ratio inspiral?
16:30	Bill Hiscock	Montana State Univ.	LISA, binary stars, and the mass of the graviton
16:45	Neil Cornish	Montana State Univ.	Measuring and mapping the cosmic gravitational wave background
17:00	Ronald Hellings	JPL	Gravitational Wave Astrometry
17:15	-----	-----	Closing Remarks and Awarding of the Bell Prize

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For more information, contact Daniel Holz (deholz@itp.ucsb.edu).