Pacific Coast G..vity Meeting 21
2005

Friday, 25 March 2005

Time	Name	Affiliation	Title
8:00-8:50	**Registration**		
8:50-9:00	**Welcome**		
9:00	Neil Cornish	Montana State University	The Big Bang Observatory
9:15	Joseph Plowman*	Montana State University	Results of a Covariance Study for the Proposed LATOR Mission
9:30	Jeff Crowder*	Montana State University	Beyond LISA: Exploring the Possibilities
9:45	Joey Shapiro*	Montana State University	A Bigger Universe? - Extending the WMAP Bound
10:00	Brian Murray*	University of Oregon	Instabilities and the Null Energy Condition
10:15	Roman Buniy	University of Oregon	Semi-Classical Wormholes and Time Machines Are Unstable
10:30	**Break**		
11:00	Malik Rakhmanov	University of Florida	Gravitational Redshift Effects in the Response of Test Masses to Plane Gravitational Waves
11:15	Pavlin Savov*	Caltech	Comparison Between Nearly Flat and Concentric Mexican-Hat Mirrors for Advanced LIGO - Applications to Angular Instabilities

11:30	Yanbei Chen	Max Planck Institute for Gravitational Physics	Displacement-noise-free Gravitational-Wave Detection
11:45	Yi Pan*	Caltech	Optimized Signal Recycling Cavity Degeneracy in Advanced LIGO
12:00	**Lunch**		
1:15	C. D. Hoyle	University of Washington	Current Status of the Eot-Wash Short-Range Gravity Experiment
1:30	George Soli	Integrated Detector Systems	Sidereal Tunneling Data as Dilaton Footprints
1:45	David Mattingly	UC Davis	Tests of Special Relativity
2:00	Tevian Dray	Oregon State University	The Geometry of Special Relativity
2:15	C. D. Hoyle	University of Washington	The APOLLO Lunar Laser Ranging Project
2:30	**Break**		
3:00	Steven Carlip	UC Davis	Horizon Constraints and Black Hole Entropy
3:15	Mihai Bondarescu*	Caltech	Simple Solutions to Einstein Equations in spaces with unusual compactification
3:30	R. Steven Millward	Brigham Young University	Two-Timing Einstein
3:45	Wenceslao Santiago-German	UC Davis	Strong Cosmic Censorship: The Role of Nearly Extreme Non-rotating Black Holes
4:00	Jim Isenberg	University of Oregon	Topologically General U(1) Symmetric Vacuum Spacetimes with AVTD Behavior

4:15	Adam Clausen*	University of Oregon	Gowdy Spacetimes with a Cosmological Constant
4:30	Paul Allen*	University of Oregon	Critical Timelike Surfaces in Minkowski Space
4:45	William Pezzaglia	Santa Clara University	Teleparallel Treatment of Sagnac, Ehrenfest and Field Rotation Paradoxes

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Saturday, 26 March 2005

9:00	Hector Calderon*	Montana State University	Quantum Fields And "Big Rip" Expansion Singularities
9:15	Charles Torre	Utah State University	Path Integrals and Quantum Gravity Models
9:30	Lee Lindblom	Caltech	Optimal Constraint Projection
9:45	Mark Scheel	Caltech	Boundary Conditions for the Einstein Evolution System
10:00	Olivier Sarbach	Caltech	Outer Boundary Conditions in General Relativity
10:15	Michael Boyle*	Caltech	Evaluating Techniques in Numerical Relativity
10:30	**Break**		
11:00	Robert Owen*	Caltech	An Extension of the KST Evolution Equations
11:15	Luisa Buchman	Jet Propulsion Laboratory Caltech	Numerical Implementation of a Frame-Based Einstein Bianchi
11:30	James Bardeen	University of Washington	Gauge Conditions for a Tetrad-Based Einstein-Bianchi
11:45	Marsha Weaver	University of Canberra	Numerical Study Motivated by Bartnik Quasilocal Mass

12:00	**Lunch**		
1:15	James Imamura	University of Oregon	Fizzlers and the Bar Mode Instability
1:30	Sherry Suyu*	Caltech	The Anatomy of a Quadruply Imaged Gravitational Lens System
1:45	Paul Schladensky*	Montana State University	A Hierarchical Approach for Detecting Supermassive Black Hole Binaries
2:00	Geoffrey Lovelace*	Caltech	Tidal Coupling in Extreme Mass Ratio Inspirals
2:15	Rauha Rahkola*	University of Oregon	A Search for GRBs with LIGO
2:30	Isabel Leonor	University of Oregon	Searching for Gamma-Ray Burst and Gravitational-Wave Burst Coincidence Using LIGO
2:45	**Break**		
3:15	Edward Porter	Montana State University	Improved Templates for Detecting Gravitational Waves From Kerr Binary Systems
3:30	Gregory Mendell	LIGO Hanford Observatory	The Search For Periodic Gravitational Waves
3:45	Yasushi Mino	Caltech	Renormalized Metric Perturbation and Radiation Reaction

* Student
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