

11th Caltech

All talks will be in rm 201 East Bridge Hall. The Coffee and donuts will be served somewhere near rm 201.

FRIDAY, 24 MARCH

TIME NAME, INST., EMAIL TITLE

8:30 Coffee and Donuts

8:45 Kip Thorne Welcome and Housekeeping
Alan Wiseman

**** Astrophysics ****

9:00 Jim Ipser "Relativistic accretion disks: low-
ipser@possum.phys.ufl.edu frequency modes and frame dragging"
University of Florida

9:15 Dong Lai "Gravitational waves from rapidly
dong@tapir.caltech.edu rotating nascent neutron stars"
Caltech

9:30 David Skinner "Secular Instability in Rapidly Rotating
skinner@star.oscs.montana.edu Stellar Models: A New Critical Polytropic
Montana State University Index"

**** Cosmology ****

9:45 David Craig "Arguments Against Time Symmetric Boundary
dac@cosmic.physics.ucsb.edu Conditions in Quantum Cosmology"
UC Santa Barbara

10:00 Heinz-Dieter Conradi "Quantum Cosmology of Kantowski-Sachs
conradi@thphys.physik.rwth-aachen.de like models"
Universität Aachen (?)

10:15 Shane Larson "Astrophysical Bounds on Global Strings"
uphplsl@gemini.oscs.montana.edu
Montana State University

10:30 - 11:00 Coffee Break

**** Black Holes, Horizons and Singularities ****

- 11:00 Eric Poisson "Semiclassical enforcement of strong
poisson@wurel.wustl.edu cosmic censorship?"
Washington University
- 11:15 Bill Hiscock "Semiclassical Stability of the Extreme
billh@orion.oscs.montana.edu Reissner-Nordstrom Black Hole"
Montana State University
- 11:30 Daniel Loranz "Thermal divergences on event horizons
??? in two dimensions"
Montana State University
- 11:45 Rhett Herman "Point-Splitting Renormalization of the
upwhrh@gemini.oscs.montana.edu Charged Scalar Field"
Montana State University
- 12:00 Gary Horowitz "Quantum Probes of Spacetime
gary@cosmic2.physics.ucsb.edu Singularities"
UC Santa Barbara
- 12:15 -- 1:45 LUNCH
- 1:45 Dean Welch "On the smoothness of the horizons of
dean@cosmic.physics.ucsb.edu multi-black hole solutions"
UC Santa Barbara
- 2:00 Richard Price "Black Hole Collisions without
rprice@mail.physics.utah.edu Supercomputers"
University of Utah
- 2:15 Tom Helliwell "The Validity of a Stability Test for
helliwell@tau.claremont.edu Cauchy Horizons"

Claremont College

- 2:30 Alan Steif "Phase Transitions and Supergeometry in
steif@dirac.ucdavis.edu 2+1 Dimensional Black Holes"
UC Davis
- 2:45 Doug Eardley "S-Duality at the Black Hole Threshold in
doug@avalon.itp.ucsb.edu Gravitational Collapse"
UC Santa Barbara
- 3:00 Jim Hartle "Spacetime Information and Black Hole
hartle@cosmic.physics.ucsb.edu Evaporation"
UC Santa Barbara
- 3:15 Janet Whitesell "Charged Black Hole in Equilibrium with a
janetw@orion.oscs.montana.edu Massive Scalar Field"
Montana State University
- 3:30 - 4:00 Coffee Break
- 4:00 Tsunefumi Tanaka "Self-interacting Scalar Field in Grant
tanaka@orion.oscs.montana.edu Space and its Effect on Chronology
Montana State University Protection"
- 4:15 Robert Myers "Black Hole Entropy Without Brick Walls"
rcm@hep.physics.mcgill.ca
McGill University
- 4:30 Eric Hirschmann "Universal Scaling and Echoing in
ehirsch@sbphy.physics.ucsb.edu Gravitational Collapse of a Complex
UC Santa Barbara Scalar Field"
- 4:45 Niall 'O Murchadha "The configuration space of G.R.: the
step8030@iruccvax.ucc.ie spherically symmetric case"
University College Cork, Ireland
- 5:00 Zoltan Perjes "Einstein-Maxwell Fields with no
zoltan@cosmic.physics.ucsb.edu no Vacuum Counterpart"
UC Santa Barbara
University of Budapest

5:15 Mael Melvin "Einstein-Maxwell Fields with no
UC Santa Barbara no Vacuum Counterpart II"

5:30 Fay Dowker "Pair Creation of Black Holes"
UC Santa Barbara
dowker@cosmic.physics.ucsb.edu

Saturday, 25 March 1995

8:30 Coffee and donuts

**** Experimental Gravity and Gravitational Radiation ****

8:45 Koya Suehiro "Operation of 20m Fabry-Perot prototype
sue@gravity.mtk.nao.ac.jp with modecleaner"
National Astronomical Observatory,
Japan

9:00 Joe Weber "Gravitational Antenna Observations"
???
UC Irvine

9:15 Albert Lazzarini "Overview and Status of Ligo Project"
lazz@ligo.caltech.edu
Caltech

9:30 Aaron Gillespie "Installation of New Test Masses in the
aaron@ligo.caltech.edu 40-meter Interferometer"
Caltech

9:45 Torrey Lyons "Recombination of the 40-m Interferometer"
torrey@ligo.caltech.edu
Caltech

10:00 Alan Wiseman "Gravitational Wave Signals from
agw@tapir.caltech.edu Coalescing Binaries"
Caltech

10:15 Bill Folkner "LISA - Laser Interferometer Space Antenna
wmf@logos.jpl.nasa.gov for Gravitational Wave Measurements"
JPL

10:30 - 11:00 Coffee Break

11:00 Michael Bartel "Another Big G Experiment"
eapg380@ea.oac.uci.edu
UC Irvine

11:15 Thierry Kauffmann "A New Test of the Equivalence Principle
thierry@physics.purdue.edu and the Isotropy of Space"
Purdue University
(not friday morning)

11:30 Fintan Ryan "Effect of gravitational radiation reaction
fryan@tapir.caltech.edu on Circular orbits around a spinning
Caltech black hole"

11:45 Ken Nordtvedt "Extended Body Dynamics in Strong
??? Gravity"
Montana State University

12:00 Sanjay Kumar "Preferred Frame Effects in Relativistic
sanjay@physics.purdue.edu Binary Orbits"
Purdue University

12:15 -- 1:45 LUNCH

**** Mathematical Relativity ****

1:45 Domenico Giulini "What is the geometry of superspace?"
giulini@sun2.ruf.uni-freiburg.de
Universit\at Freiburg

2:00 Frank Estabrook "Immersion of 4 dimensions in 10 and
frank@bottom.jpl.nasa.gov the causal structure of Ricci-flat

JPL

geometries"

- 2:15 Jim Isenberg "Non-constant Mean Curvature Solutions
jim@newton.uoregon.edu of the Einstein Constraint Equations"
University of Oregon
- 2:30 Frank Kutchko "Spinor Connections and Field Equations
kutchko@eq12.caltech.edu with Torsion"
- 2:45 John Urani "Torsion in Dirac Spinor Theories"
uranijr@vax1.umkc.edu
University of Missouri-Kansas City
- 3:00 Charles Torre "Conservation Laws Built From Lorentzian
torre@cc.usu.edu Metrics"
Utah State University
- 3:15 Neil Cornish "Chaos and Fractals in General Relativity"
cornish@medb.physics.utoronto.ca
University of Toronto
- 3:30 - 4:00 Coffee Break
- 4:00 Arthur Fischer "On the Road to Quantum Gravity"
aef@cats.ucsc.edu
UC Santa Cruz
- 4:15 Jerome Gauntlett "Decay of Magnetic Fields in Kaluza-Klein
jerome@theory.caltech.edu Theory"
Caltech
- 4:30 John Whelan "Generalized Quantum Mechanics of
whelan@cosmic.physics.ucsb.edu Non-Abelian Gauge Theories"
UC Santa Barbara
- 4:45 Russell Cosgrove "Consistent Evolution with Different
cosgrove@landau.ucdavis.edu Time Slicings in 2+1 Quantum Gravity"
UC Davis
- 5:00 Shawn Kolitch "Classical Dynamics of Spherical Domain

touchngo@physics.ucsb.edu
UC Santa Barbara

Walls"

5:15 Don Salisbury
dsalisbury@austinc.edu
Austin College

"A Connection Approach to Numerical
Relativity"

5:30 Jonathan Halliwell
j.halliwell@ic.ac.uk
Imperial College

"Quantum State Diffusion, Density Matrix
Diagonalization and Decoherent Histories"

5:45 Herbert Hamber
UC Irvine
hamberh@uciph0.ps.uci.edu

"Scaling and Universality in
Quantum Gravity"

ELEVENTH PACIFIC COAST GRAVITY MEETING

(second announcement)
Caltech, Pasadena CA
March 24 & 25 1995

- 1) Call for speakers.
- 2) Hotel and Travel Information.

The eleventh annual Pacific Coast Gravity Meeting will be held at CALTECH in Pasadena, California, on Friday & Saturday, MARCH 24 & 25, 1995. As in previous years, this will be an open meeting: All interested researchers and students in all areas of gravitation physics---classical and quantum, theory and experiment---are invited. Because this is a regional meeting, we expect few participants from outside the Western United States, but others are cordially invited.

The meeting will follow the standard, very informal format of previous PCGM's: There will be no plenary talks. Instead, all participants, especially postdocs and graduate students, are invited to contribute talks on their current research. Unless we are overwhelmed with speakers, we shall allot equal time to everyone who requests to speak, and we shall have no parallel sessions. Based on prior experience, this likely means that each talk will be between 10 and 15 minutes long plus 3 minutes of