SCHEDULE OF SPEAKERS FOR THE EIGHTH PACIFIC COAST GRAVITY MEETING

Saltair Room
A. Ray Olpin Union Building
University of Utah
6-7 March 1992

FRIDAY MORNING

8:30am Registration
8:45am Introductory Remarks: Karel Kuchař

9:00am First Session
Session Chair: Peter Bender

9:00am Greg Smith, University of Washington, Probing the Eot-Wash Rotating Pendulum Data for a Sun-Based Signal


9:40am Jens Gundlach, University of Washington, “A New Rotating Source Torsion Balance Experiment”

10:00am Dieter Hils, Joint Institute for Laboratory Astrophysics Boulder, Colorado, “Event Rates for Inspiral of Compact Objects to Supermassive Black Holes in AGN’s”

---------------Coffee Break 10:20 –10:50am---------------

10:50am Second Session
Session Chair: Lee Lindblom

10:50am Gabriela González, Syracuse University, “Thermal Noise in Suspensions for Test Masses in Interferometers”

11:10am Kip Thorne, CalTech, “LIGO: An Update”

11:30am Curt Cutler, CalTech, “The Last Three Minutes: A Program of LIGO Research on Coalescing Binaries”

---------------11:50 noon – 2:00pm Lunch---------------
FRIDAY AFTERNOON
2:00pm Third Session
Session Chair: James Ipser

2:00pm Lee Lindblom, Montana State University, “Inverting the Oppenheimer-Volkoff Map”

2:20pm Eric Poisson, CalTech “Mass Inflation Inside Black Holes”

2:40pm Greg Burnett, University of Utah, “Linear-order Stability of the Gravitational Plane Wave Horizon”

3:00pm Eanna Flanagan, CalTech, Trapped surfaces in nonspherical initial data sets and the Hoop Conjecture

———Coffee Break 3:20pm –3:50pm———

3:50pm Fourth Session
Session Chair: Kip Thorne

3:50pm James Ipser, University of Florida, “Phase Space Structure of Dark Galactic Halos”

4:00pm Patricio Letelier, Tours University, “On the Interaction of Gravitational Waves with Cosmic Strings”

4:20pm Richard Price, University of Utah, “Escape of Gravitational Waves from a Massive Galaxy”

SATURDAY MORNING
9:00am Fifth Session
Session Chair: James Hartle

9:00am Tevian Dray, Oregon State University, “The Wave Equation in the Presence of Topology and Signature Change”

9:20am Jim Isenberg, University of Oregon, “NonConstant Mean Curvature Initial Data for Einstein’s Equations”

9:40am Charles Torre, Utah State University, “Is General Relativity an ‘Already Parametrized Theory’”

10:00am Viqar Husain, ICTP, “2+1 Gravity without Dynamics”

———Coffee Break 10:20 –10:50am———
Sixth Session
Session Chair: Jim Isenberg

10:50am Gary Horowitz, UC Santa Barbara, “Singularity in String Theory”

11:10am Jim Wheeler, Utah State University, “Finitely generated extended Weyl algebras”

11:30am Corinne Manogue, Oregon State University, “Lorentz Transformations and Division Algebras”

11:50 noon – 2:00pm Lunch

SATURDAY AFTERNOON
2:00pm Seventh Session
Session Chair: Gary Horowitz

2:00pm Scott B. Anderson, Logicon, Inc., “A New Approach to Quantum Gravity Using Path Integration”

2:20pm Steve Giddings, UC Santa Barbara, “Black Hole Evaporation in 2 Dimensions”

2:40pm Petr Hájíček, Institute for Theoretical Physics, Bern, “Quantum Mechanics of Gravitational Collapse”

3:00pm Gunnar Klinkhammer, Caltech, “Vacuum polarization of supersymmetric fields in wormhole spacetimes with closed timelike curves”

Coffee Break 3:20pm – 3:50pm

3:40pm Eighth Session
Session Chair: Petr Hájíček

3:50pm James Hartle, UC Santa Barbara, “Unitarity and Causality in Generalized Quantum Mechanics for Wormhole Spacetime”

4:10pm Jorge Pullin, University of Utah, “The Jones Polynomial in Quantum Gravity”

4:30pm Arley Anderson, McGill University, “Canonical Transformation in Quantum Theory and the Global Problem of Time”

4:50pm Karel Kuchař, University of Utah, “Dust as a Standard of Space and Time in Canonical Quantum Gravity”