

**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

9:20am **Y. Su**, University of Washington, "A New Test of the Weak Equivalence Principle"

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, "Singularities 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"