

10TH PACIFIC COAST GRAVITY MEETING  
Oregon State University, Corvallis, OR, USA  
25-26 March 1994

Schedule  
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Friday, March 25

8:30 AM Registration Gilfillan Auditorium lobby  
9 AM - 12:15 PM Morning Talks Gilfillan Auditorium  
1:30 - 5 PM Afternoon Talks Gilfillan Auditorium  
7:30 PM Party Manogue/Dray residence

Saturday, March 26

8:30 AM - 12 PM Morning Talks Gilfillan Auditorium  
1:30 - 4:45 PM Afternoon Talks Gilfillan Auditorium

Friday Morning Talks:

9 AM - 10:15 AM

Pirce: Colliding black holes: the close limit  
Ipsier: low-frequency modes and nonbarotropic effects  
in accretion disks  
Das: Spherically symmetric collapse of an anisotropic fluid body  
Nordvedt: General relativistic lunar orbit

\*\* BREAK \*\*

10:45 AM - 12:15 PM

Horne: Some implications of S-duality  
Schray: Octonionic spinors and supersymmetry  
Brooks: The geometry of flat connections and 3d quantum gravity  
Cosgrove: Topology change in (2+1)-dimensional quantum gravity  
Romano: A canonical formalism for spherical symmetry

Friday Afternoon Talks:

1:30 PM - 3 PM

Adulburg: A new twist of the weak equivalence principle  
Smith: A test of the equivalence principle for ordinary matter  
falling toward dark matter  
Gundlach: New constraints on composition-dependent interactions  
with ranges down to 1 cm  
Harris: Development of a spin-polarized torsion pendulum  
Weber: Supernova 1987A Rome Maryland gravitational radiation  
antenna observations

\*\* BREAK \*\*

3:30 PM - 5 PM

Taub: Geometry, Spacetimes, and O(3,C) Gauge Potentials  
Isenberg: Chaos in the Cauchy horizon and the fountain conjecture  
Isacson: Economics 101

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Saturday Morning Talks:

8:30 AM - 10:20 AM

Thorne: Theoretical research challenges posed by LIGO/VIRGO  
Flanagan: Measuring absolute distances from LIGO's observations  
of coalescing binaries  
Apostolatos: Modulation of the gravitational waves from merging binaries  
due to orbital precession  
Laurance: Measuring neutron star radii in NS-NS binary coalescences  
Poisson: Gravitational radiation reaction  
for strong fields, fast motions  
Kennefick: Gravitational radiation reaction for bound motion  
around a Schwarzschild black hole

\*\* BREAK \*\*

10:50 AM - 12 PM

Dray: Spinors without spinors  
Agnew: Separable stiff-fluid cosmologies with heat flow  
Boersma: Parametric structures  
Pinto: Atomic transitions induced by time-dependent  
spacetime geometries

Saturday Afternoon Talks:

1:30 PM - 3:20 PM

Hiscock: Extreme black holes: a third venue for quantum gravity?  
Bruekner: Black holes can change mass when nucleating  
vacuum phase transitions  
Whitesell: Semiclassical black hole in thermal equilibrium  
with a nonconformal scalar field  
Herman: Charged pair production in the  
Reissner-Nordstrom black hole interior  
Loranz: Extreme semiclassical black holes in two dimensions  
Tanaka: Chronology protection and nonconformal and massive scalar  
fields in spacetimes with nontrivial topology

\*\* BREAK \*\*

3:50 PM - 4:45 PM

Pezzaglia: Lense-Thirring effect on Pauli particles  
from non-relativistic spin curvature  
Differ: Polydimensional covariance theories:  
geometric algebra groundwork  
Young: Gravity and quantum phase measurement