4ᵗʰ ANNUAL PACIFIC GRAVITY MEETING
University of California
Santa Barbara, CA 93106
February 12–13, 1988 (Friday and Saturday)
UCEN Pavilion Room
10:00 am – 6:30 pm, Friday
Chemistry Building Room 1179
9:00 am – 4:30 pm, Saturday

Talks will be 15 minutes long, with ∼ 5 minutes more for questions — except for Saturday morning, when experimental talks will be ∼ 20 minutes long.

Friday, February 12

Time	Speaker	Title
9:50		*Opening Remarks*
10:00	Frank Estabrook	*Exterior Differential Systems for Einstein-Maxwell Spacetimes*
10:20	Tevian Dray	*Glueing Spacetimes Together*
10:40	Jonathon Simon	*Black Hole Thermodynamics in Higher Dimensional, Higher Derivative Gravities*
11:00	Robert Ferrell	*Scattering & Coalesence of Maximally Charged Black Holes*
11:20	Joan Centrella	*Nonlinear Waves in General Relativity*
11:40	Bill Unruh	*Gravitational Field of a Loop of String*
	Lunch	
2:00	Corinne Manogue	*The Trousers Problem*
2:20	Don Witt	*Maximal Slices*
2:40	Jonathan Morrow-Jones	*To be Announced*
3:00	Martin Jackson	*Smoothing Inhomogeneous and Anisotropic Cosmologies*
3:20	Jim Isenberg	*Comments on the Smoothing of Cosmological Models & Ricci Flow*
3:40	**Break**	
4:10	David Garkinkle	*Kinky Cuspless Cosmic Loops*
4:30	Jennie Traschen	*Quantum Flucuations & Semi-Classical Physics*
4:50	Alan Cresswell	*Dual Mass in the Solar System*
5:10	Michael Morris	*Initial Conditions for the $R + \epsilon R^2$ Cosmology*
7:30		*** Party? ***

Saturday, February 13

Time	Speaker	Title
9:00	Alan Bostick	*A New Noise Source for Laser Interferometric Gravity Radiation Detectors*
9:25	Peter Bender	*Expected Sensitivity for Laser Gravitational Wave Observations in Space*
9:50	Robin Stebbins	*Low Frequency Seismic Isolation for Ground-Based Gravitational Wave Detectors*
10:15	Massimo Tinto	*Networks of Laser Interferometric Gravitational Wave Detectors*
10:40	Joe Weber	*Gravitational Wave Antenna Correlations During Supernova 1987A, and Other Work*
11:05	**Break**	
11:30	Gary Horowitz	*The Current Status of String Theory*
11:50	Stephen Martin	*Background Independent String Theory*
12:10	Christopher Pope	*Quantum Membranes*
	Lunch	
2:00	James Hartle	*Time & Quantum Cosmology*
2:20	Kristin Schleich	*Euclidean Functional Integrals in Parameterized Theories*
2:40	Jonathan Halliwell	*Derivation of the Wheeler-DeWitt Equation from the Path Integral*
3:00	Terry Tomboulis	*Conformal Anomalies and the Gravitational Constant*