

28th Pacific Coast Gravity Meeting

Friday			
Welcome - Gary Horowitz : 9:00 - 9:15			
	Speaker	Title	Chairman:
Session I: 9:15 - 10:30	Alex Maloney	Gravity Dual of the Ising Model	Steve Giddings
	Jorge Santos	Gravitational Crystals	
	Aron Wall	The Generalized Second Law as a Quantum Singularity Theorem	
	Dmitri Krioukov	Network Cosmology	
	Rob Myers	Holographic Entanglement Entropy	
Coffee Break			
Session II: 11:00 - 12:30	Steve Giddings	Unitary models for quantum black hole evolution	Don Marolf
	David Rideout	A microscopic account of causal horizon entropy	
	Yinbo Shi *	Constraints on Unitary Black Hole Evolution	
	Sebastian Fischetti *	Flowing Funnels: the AdS ₃ dual of CFT ₂ Hawking radiation	
	Tomas Andrade *	Banishing AdS ghosts with a UV cutoff	
	Benson Way *	Finite Size Effects in Holographic Superconductors	
Lunch			
Session III: 14:00 - 15:30	Eduardo Guendelman	Non Singular Origin of the Universe and the Cosmological Constant Problem	Jim Isenberg
	Evan Ranken *	Power Law Inflation in Loop Quantum Cosmology	
	Alejandro Satz	Limit cycles in quantum gravity renormalization group	
	Joshua Cooperman *	An Update on Causal Dynamically Triangulated Horava-Lifshitz Gravity	
	Henrique Gomes	Shape Dynamics	
	Casey Handmer *	Fourier continuation and several model astrophysical problems	
Coffee Break			
Session IV: 16:00 - 17:30	Don Marolf	The effective Shockwave inside generic black holes	Alex Maloney
	Scott Fraser	Stability and Binding Energy of Small Asymptotically Randall-Sundrum Black Holes	
	Colin Cunliff *	Non-Einstein AdS ₃ asymptotics in New Massive Gravity	
	McCullen Sandora *	Four Form Cosmology and Catastrophic Nonperturbative Instabilities	
	Ellery Ames *	AVTD behavior in T ² -symmetric Einstein Equation	
	Kari Hodge *	Exploring Various Machine Learning Algorithms (MLAs) for the Purpose of Glitch Detection in LIGO detectors	

Saturday			
	Speaker	Title	Chairman
Session V: 9:00 - 10:30	Bela Szilagyι	SpEC – where are we now and where are we heading	Mark Scheel
	Aaron Zimmerman *	Tendex and Vortex Lines of Black Hole Spacetimes	
	David Nichols *	Tendex and Vortex Lines of Black Hole Spacetimes	
	Jeffrey Kaplan *	Resolving Topological Features of Black Hole Event Horizons	
	Philipp Moesta	On the detectability of dual jets from binary black holes	
	Roland Haas	Self-force driven inspiral of a scalar point particle into a Schwarzschild black hole	
Coffee Break			
Session VI: 11:00 - 12:30	Nicholas Taylor	Cauchy-characteristic extraction versus extrapolation in SpEC	Christian Ott
	Leo Singer *	Optimization and Coordination of Electromagnetic Followup of Gravitational Wave Candidates	
	Karthik Balakrishnan *	UV LED charge control of an electrically isolated proof mass in a Gravitational Reference Sensor configuration at 255 nm	
	Christian Reisswig	TBA	
	William Kelly *	Phase Spaces for asymptotically de Sitter Cosmologies	
	Gary Horowitz	Instability of AdS	
Lunch			
Session VII: 14:15 - 15:30	Jim Isenberg	The Conformal Method and Non CMC Solutions of the Einstein Constraint Equations	Ted Jacobson
	Jeffrey Hazboun *	A systematic construction of curved phase space: a gravitational gauge theory with symplectic form	
	Chad Galley	Global structure of wavefront propagation in black hole spacetimes	
	Majd Abdelqader *	Exploring the Global Structure of the Curzon-Chazy Metric by Analyzing the Weyl Invariants	
	Huan Yang *	Quasinormal modes of Kerr black holes in the eikonal limit	
Coffee Break			
Session VIII: 16:00 - 17:30	Ted Jacobson	Gravitational waves from spherical core collapse	Rob Myers
	Arthur Fischer	Conformal Ricci flow as a parabolic model of the reduced hamiltonian formulation of Einstein's equations	
	Bijan Berenji	TBA	
	Anil Zenginoglu	Solving the linearized Einstein equations along hyperboloidal surfaces	
	Douglas Singleton	Anti-de-Sitter Island-Universes from 5D Standing Waves	
	Norihiro Tanahashi	Observing the time-dependent graviton mass in the nonlinear massive gravity	