40th Jim Isenberg Pacific Coast Gravity Meeting

Location: Mosher Alumni Hall

Schedule:

Friday March 1

	Opening Session PCGM40: 8:50-9:00	
8:50	Gary Horowitz	
	Friday Session 1: 9:00-10:30	
9:00	Sergio Hernandez-Cuenca	Effective Theories as Ensemble Averages
9:15	Mykhaylo Usatyuk	Closed universes in two dimensional gravity
9:30	Steven Carlip	Midisuperspacetime Foam
9:45	Kunal Lobo*	Scooting through Post-Minskowskian Scattering
10:00	Jesse Held*	Do Axion Wormholes Contribute to the Factorization Problem?
10:15	Molly Kaplan*	Do Axion Wormholes Contribute to the Factorization Problem?
	Coffee Break 10:30-11:00	
	Friday Session 2: 11:00-12:30	
11:00	Marija Tomasevic	Low d singularities
11:15	David Grabovsky*	Heavy and Thermal States in 3d Gravity
11:30	Maciej Kolanowski	Holographic CFT2 at rational points
11:45	Sean McBride*	Holographic Entanglement Negativity and Replica Symmetry Breaking
12:00	Jiuci Xu*	Von Neumann Algebra of Matter Chords in Double Scaled SYK
12:15	Damien Easson	The possibility of an eternal universe
	Lunch 12:30-14:00	
	Friday Session 3: 14:00-15:30	
14:00	James Kwon*	Nonlinear Tidal pg-instability in Coalescing Binary Neutron Stars
14:15	Yoonsoo Kim*	A discontinuous Galerkin-finite difference hybrid method for general relativistic force-free electrodynamics
14:30	Andrew Laeuger*	Measuring Supermassive Black Hole Properties via Gravitational Radiation from Eccentrically Orbiting Stellar Mass Black Hole Binaries
14:45	Himanshu Chaudhary*	Efficient high mass ratio binary black holes simulations using new gauges and initial data
15:00	Preston Jones	Intensity correlations for gravitational wave signal detections
15:15	Tousif Islam	Study of eccentric binary black hole mergers using numerical relativity and an inspiral-merger-ringdown model
	Coffee Break 15:30-16:00	
	Friday Session 4: 16:00-17:00	
16:00	Raphaela Wutte	Hyperbolic Mass in 2+1 Dimensions
16:15	Chih-Hung Wu*	Semi-classical critical gravitational collapse in 2+1 dimensions
16:30	Hong Zhe (Vincent) Chen	Disentanglement across Cauchy horizons
16:45	Christian Ferko	Towards Flat Space Holography using Irrelevant Deformations

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Saturday March 2

	Saturday Session 1: 9:00-10:30	
9:00	Talya Klinger*	Basis Function Transformations for Numerical Relativity
9:15	Isabella Pretto*	Automated determination of the end time of junk radiation in binary black hole simulations
9:30	Xiaoyi Liu*	New Well-Posed Boundary Conditions for Semi-Classical Euclidean Gravity
9:45	**Hailey Murray***	**Black Hole Solutions with Spacetime Symmetry Breaking**
10:00	Sarah Habib*	Eccentricity Reduction in SpEC
10:15	Taylor Knapp*	Controlling Spin and Eccentricity of BBH NR Simulated Waveforms
	Coffee Break 10:30-11:00	
	Saturday Session 2: 11:00-12:30	
11:00	**Quentin G Bailey**	**Spacetime-symmetry breaking and wave generation**
11:15	**Kellie O'Neal-Ault**	**Spacetime symmetry tests with an Effective Field Theory Framework**
11:30	Jude Pereira*	Quantum Fluctuations of the Black Hole Horizon
11:45	Samarth Chawla*	Local Horizons from the Double Copy
12:00	**Brian Seymour***	Constraining Nonviolent Nonlocality using LIGO
12:15	Yuan Feng*	Relativistic Superfluid Hydrodynamics: Numerical Methods and Tests for a Bosonic Superfluid
	Lunch 12:30-14:00	
	Saturday Session 3: 14:00-15:30	
14:00	**Colin Weller***	Spectroscopy of bumpy black holes: non-rotating case
14:15	**Dongjun Li***	Perturbations of spinning black holes in dynamical Chern Simons gravity: quasinormal modes
14:30	Sang-Eon Bak*	Near-horizon fluids from spacetime fluctuations
14:45	Xuyang Yu*	Averaging over de Sitter Symmetry
15:00	Kyle Nelli*	Horizon Tracking in SpECTRE with Task-Based Parallelism
15:15	Guido Da Re*	Dirac equation on Kerr spacetime coupled with Wald electromagnetic field
	Coffee Break 15:30-16:00	
	Saturday Session 4: 16:00-17:00	
16:00	Rahul Walia	Shadows of Regular Black Holes and Horizonless Objects
16:15	Jens Boos	Kilometer-scale ultraviolet regulators and astrophysical black holes
16:30	Rahulkumar Solanki	On Projective Equivalence of Fermat's Metrics