Scientific Program
29th Pacific Coast Gravity Meeting

Friday, March 29

Time	Speaker	Title
8:30-9:00	Coffee and pastries	
9:00-9:15	Welcome	
9:15-9:30	Norihiro Tanahashi	Horizon instability of an extreme Reissner-Nordstrom black hole
9:30-9:45	Steven Carlip	Near-horizon black hole symmetry revisited
9:45-10:00	Yinbao Shi	Nonlocal model for Black Hole Evaporation
10:00-10:15	Charles Torre	The spacetime geometry of an electromagnetic wave
10:15-10:30	Lee Lindblom	Solving the Relativistic Inverse Stellar Structure Problem
10:30-11:00	Coffee Break	
11:00-11:15	Bela Szilagyi	Update on Binary Black Hole work with SpEC
11:15-11:30	Roland Haas	Binary neutron star simulations using SpEC
11:30-11:45	Fan Zhang	Suppressing initial junk radiation in NR simulations

11:45-12:00	Anil Zenginoglu	Caustic Echoes from Black Holes
12:00-12:15	Evan Foley	Comparing black-hole masses and spins in simulations using different initial data method
12:15-12:30	Sarah Gossan	The Application of Bayesian Inference to Gravitational Waves from Core-Collapse Supernovae
12:30-2:00	Lunch	
2:00-2:15	James P. Dilts	The Einstein Constraint Equations on Asymptotically Flat Manifolds
2:15-2:30	Henrique Gomes	Lorentz or spatial Weyl symmetry? An alternative description of gravity
2:30-2:45	William R. Kelly	A positive energy theorem for the gravitational Dirichlet Problem
2:45-3:00	Jeffrey S. Hazboun	General relativity in a signature changing phase space
3:00-3:15	Amy Thompson	Gravitational radiation with linked tendex and vortex lines
3:15-3:30	Tevian Dray	Exceptional Symmetry Groups
3:30-4:00	Coffee Break	
4:00-4:15	Daniel E. Clark	The Seismic Platform Interferometer - an auxiliary instrument for control of seismic isolation platforms in Advanced LIGO
4:15-4:30	David Atherton	Testing Gravity With Laser Cooled and Trapped Microspheres
4:30-4:45	Eric A. Quintero	Nonlinear noise generation in mechanical systems
4:45-5:00	Marcus Luty	Renormalization of Entanglement Entropy and the Gravitational Effective Action

Saturday, March 30

8:30-9:00	Coffee and pastries	

9:00-9:15	David Rideout	Summing over Causal Set Histories with Metropolis Monte Carlo
9:15-9:30	Joshua H. Cooperman	Transition Amplitudes in Causal Dynamical Triangulations Part 1
9:30-9:45	Jonah M. Miller	Transition Amplitudes in Causal Dynamical Triangulations Part 2
9:45-10:00	Charles A. Pierce	Expansion of Light Cones in CDT
10:00-10:15	Adam Getchell	The Newtonian Limit in CDT
10:15-10:30	Eugene Kur	Connection between discrete exterior calculus and Regge calculus
10:30-11:00	Coffee Break	
11:00-11:15	Robert G. Littlejohn	Asymptotics of spin networks
11:15-11:30	Colin I. Cunliff	Do new massive gravitons have mass?
11:30-11:45	McCullen Sandora	Nonlinear Partially Massless from Massive Gravity?
11:45-12:00	Danny Birmingham	Stability of black holes in topologically massive gravity
12:00-12:15	Ahmad Borzou	General Relativity as an Effective Field of a Power-Counting Renormalizable Tensor-Tensor Theory of Gravity
12:15-12:30	Geoffrey Lovelace	The tidal disruption of a neutron star by a nearly extremal black hole
12:30-2:00	Lunch	
2:00-2:15	Rana X. Adhikari	LIGO III
2:15-2:30	Debajyot Sarkar	CFT Representation of Bulk Locality for Fields With and Without Spin

2:30-2:45	Sebastian Fischetti	Flowing Black Funnels: AdS black holes with non-Killing horizons and heat flow in the dual CFT
2:45-3:00	Sayandeb Basu	Asymptotic Darkness vs Asymptotic Safety: An assessment
3:00-3:15	Huan Yang	Macroscopic quantum mechanics in a classical spacetime
3:15-3:30	Munawar Karim	Fluctuations in Shapiro delay as evidence of quantum property of gravity field
3:30-4:00	Coffee Break	
4:00-4:15	William S. Oakley	The Gravitational Field
4:15-4:30	Alexander F. Mayer	No ‘dark halo’: the effect of host cluster gravitational tidal forces on the internal dynamics of spiral galaxies
4:30-4:45	TBA	
4:45-5:00	TBA	