Welcome		Friday, April 4
8:20 AM	Coffee & continental breakfast	
8:50 AM Geoffrey Lovelace	Welcome & announcements	

Session I		Friday, April 4
9:00 AM	Vladimir Strokov	LISA double white dwarf binaries as Galactic accelerometers
9:15 AM	Tyler Smith*	Isolated But Not Alone: Binary Black Hole Mergers
9:30 AM	Isabella Pretto*	Automated multimode fitting of binary black hole ringdowns
9:45 AM	Brian Seymour*	Inspiral tests of general relativity and waveform geometry
10:00 AM	Tousif Islam	Data-driven extraction, phenomenology and modeling of eccentric harmonics in binary black hole merger waveforms
10:15 AM	Jarosław Kopiński	Conformal geometry of spacetimes with prescribed asymptotic behavior
10:30 AM	- 11:00 AM	Coffee break

Session II	Friday, April 4
11:00 AM Marceline Bonilla	Rescaled ppE Parameters for Parameter Estimation Across PN Order
11:15 AM Kai-Isaak Ellers*	How to measure gravitational frame-dragging on Earth with a superfluid interferometer
11:30 AM Ryan Johnson*	Correcting Compact Binary Inspiral Gravitational Waveform Uncertainty in Bayesian Inference Parameter Estimation
11:45 AM Daniel Hooker*	Testing Generalized Uncertainty Principles via Coherent States
12:00 PM Daniel Grass*	Photon counting interferometry to detect geotropic space-time fluctuations with GQuEST
12:15 PM Ajit Kumar Mehta	Constraints on high-mass black hole populations from a search incorporating higher harmonics
12:30 PM – 2:00 PM	Lunch

<sup>\*</sup> Student presenter

Session III	Friday, April 4
2:00 PM Quentin Bailey	Aspects of spacetime-symmetry breaking and gravity
2:15 PM Zi-Yue Wang*	The D-series minimal string theory
2:30 PM David Grabovsky*	Spin-Refined Partition Functions and CRT Black Holes
2:45 PM Colin Weller*	Classifying Isospectrality Beyond General Relativity
3:00 PM Sang-Eon Bak*	Modular Hamiltonian Fluctuations in Cosmology
3:15 PM Krishan Saraswat	Constraints from Entanglement Wedge Nesting for Holography at a Finite Cutoff
3:30 PM – 4:00 PM	Coffee break

Session IV	Friday, April 4
4:00 PM Himanshu Chaudhary*	How accurate is SpEC?
4:15 PM Taylor Knapp*	A detailed look on the accuracy of BBH simulations with SpEC
4:30 PM Dongze Sun*	Parameter matching between Post-Newtonian and Numerical Relativity for binary black hole systems
4:45 PM Guido Da Re*	Modeling the BMS transformation induced by a binary black hole merger

Welcome		Saturday, April 5
8:20 AM	Coffee & continental breakfast	

Session V		Saturday, April 5
9:00 AM	Emily Wuchner	Simulating the Recovery of Tidal Parameters From Neutron-Star Mergers With Ground-Based Gravitational-Wave Detectors
9:15 AM	James Kwon*	Impact of nonlinear hydrodynamics on g-modes in neutron stars in coalescing binaries
9:30 AM	Philip Sarkisian*	Electrodynamics in an Expanding Universe
9:45 AM	Isaac Legred*	Nuclear physics and extreme gravity
10:00 AM	Andrew Laeuger*	Ringdown Stability and Localized Matter Distributions
10:15 AM	Yoonsoo Kim*	Monster shocks and black hole pulsars from neutron starblack hole mergers
10:30 AM ·	- 11:00 AM	Coffee break

Session VI	Saturday, April 5
11:00 AM Guanyu Lu*	Arbitrarily Negative ADM Mass for Kaluza-Klein Bubbles
11:15 AM Henry Leung*	New bulk cone singularities in Vaidya-like spacetimes from large c conformal blocks
11:30 AM Sawyer Star*	Solutions to Modified Uniform Accelerating Motion and Their Rindler Coordinates
11:45 AM Nauman Ibrahim*	On the road to estimating the Weyl curvature in a causal set
12:00 PM Dario Walter-Cardona*	Lorentz Symmetry Breaking as a nonlinear ODE
12:15 PM Joonhwi Kim*	Newman-Janis Algorithm from Taub-NUT Instantons
12:30 PM – 2:00 PM	Lunch

Session VII	Saturday, April 5
2:00 PM Kyle Nelli*	Simulating Binary Black Holes with SpECTRE
2:15 PM Alexandra Macedo*	Improvements to SpECTRE's Computational Domain for Binary Black Hole Simulations
2:30 PM Alex Carpenter*	Simulating Unequal Mass and Precessing Binary Black Holes with SpECTRE
2:45 PM Richard Cook	The Gravitational Analog of Maxwell's Equations: A Solution to the Vacuum-energy and Cosmological-constant Problems within Conventional General Relativity
3:00 PM Brian Tillotson	Does gravitation emerge from a neutrino-antineutrino plasma?
3:15 PM Gh. Saleh	A New Perspective on the Structure, Model, and Mechanism of Gravity
3:30 PM – 4:00 PM	Coffee break

Session VIII	Saturday, April 5
4:00 PM David Lindsay	wCDM with w < -1 can solve the Hubble Tension, but destroys the universe
4:15 PM Don V Black	Mass Detection via Time Dilation
4:30 PM Frank Hafner	Can an added degree of freedom of motion relate to gravity
4:45 PM Geoffrey Lovelace	Announcement of the DGRAV student prize winner