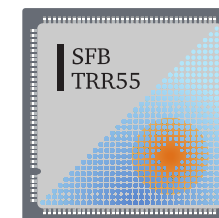


# QUANTUM GRAVITY MEETS LATTICE QFT

September 03 – 07, 2018

Trento, Italy

Program, v3



	Monday	Tuesday	Wednesday	Thursday	Friday
09:00-10:00	<i>Denjoe O'Connor:</i> Matrix Membranes	<i>Biagio Lucini:</i> SU(N) gauge theories beyond large N: universalities of spectral ratios	<i>Valentina Forini:</i> Superstrings on the Lattice	<i>Goro Ishiki:</i> The gauge/gravity correspondence for the BFSS matrix model	<i>Francesca Vidotto:</i> Loop Quantum Gravity: a general-covariant lattice gauge theory
10:00-11:00	<i>Koji Hashimoto:</i> Deep learning and AdS/CFT	<i>Pavel Buividovich:</i> Lyapunov exponents and entanglement generation in real-time simulations of the ungauged BFSS matrix model	<i>David Schaich:</i> Lattice N=4 Supersymmetric Yang-Mills	<i>Daniele Oriti:</i> Lattice quantum gravity and its continuum limit in the group field theory formalism	<i>Sebastian Waeber:</i> Finite 't Hooft coupling corrections to gauge fields in AdS/CFT
11:00-11:30	Coffee Break (30 min)				
11:30-12:30	<i>Evan Berkowitz:</i> Black Holes in D0 Brane Quantum Mechanics	<i>Aldo Riello:</i> What's at the edge of 3d quantum gravity?	<i>Gia Dvali:</i> TBA	<i>Poul Damgaard:</i> Perturbative gravity and the link to gauge theory	<i>Fabio Mele:</i> Holographic Signatures of Resolved Cosmological Singularities: Numerical Investigations
12:30-14:30	Lunch Break (120 min)				
14:30-15:30	<i>Andrea Dapor</i> Loop Quantum Gravity on the Lattice: Examples and Surprises	<i>Bianca Dittrich:</i> A dual field theory for boundary gravitons in 4D	<i>Enrico Rinaldi:</i> Ungauging the gauge/gravity duality	<i>Daisuke Kadoh:</i> Supersymmetric gradient flow	
15:30-16:00	Coffee Break (30 min)				
16:00-17:00	<i>Georg Bergner:</i> Simulations of supersymmetric and near conformal gauge theories on the lattice	<i>Paul Romatschke: (via Skype)</i> Real Time Quantum Gravity Dynamics from Classical Statistical Yang-Mills Simulations	<i>Andreas Rabenstein:</i> Calculating Entanglement entropy on the lattice	<i>Berndt Müller:</i> Hot Spaghetti	