

Session Program

6-10 May 2024

Loops'24 International Conference on Quantum Gravity

Covariant LQG

Broward County Main Library Auditorium
Florida Atlantic University, Fort Lauderdale Campus, 111 E Las Olas Blvd, Fort Lauderdale, FL 33301,
USA

Sunday 5 May

14:00

Covariant LQG

Session | **Location:** FAU FTL Room 312

14:00–14:15

What configurations should we sum over in the Lorentzian gravitational path integral?

Speaker

Bianca Dittrich

14:15–14:30

Progresses in Spinfoam Cosmology

Speaker

Francesca Vidotto

14:30–14:45

Spinfoam: Bulk from Boundary

Speaker

Etera LIVINE

14:45–15:00

Tunneling of quantum geometries in spinfoams

Speaker

Hal Haggard

15:00–15:15

New algorithms for computing spin foam amplitudes

Speaker

Sebastian Steinhaus

15:15–15:30

Loop Quantum Gravity, Permutation Symmetry and Entanglement

Speaker

Eugenio Bianchi

15:30–15:45

Stabilizer entropy of quantum tetrahedra

Speaker

Goffredo Chirco

15:45–16:00

Landscape of 4D spinfoam quantum geometry: Results from next-to-leading order spinfoam large- \hbar asymptotics of 1-5 Pachner move

Speaker

Haida Li

16:00

16:30

Covariant LQG

Session | **Location:** FAU FTL Room 312

16:30–16:45

Generative Flow Networks in Spin Foam Cosmology

Speaker

Athanasios Kogios

16:45-17:00

Spinfoams, γ -duality and Parity Violation in the Primordial Universe

Speaker

Monica Rincon Ramirez

17:00-17:15

Quantization of Constantly Curved Tetrahedron

Speaker

Chen Hung Hsiao

17:15-17:30

A new 2+1 coherent spin-foam vertex for quantum gravity

Speaker

Jose Diogo Simao

17:30-17:45

Area metric actions and the Barbero-Immirzi parameter

Speaker

Johanna Borissova

17:45-18:00

De Sitter horizon entropy from a simplicial Lorentzian path integral

Speaker

José de Jesús Padua Argüelles

18:00-18:15

Matter coupled to 3d Quantum Gravity: One-loop Unitarity

Speaker

Valentine MARIS

18:15