

Session Program

6-10 May 2024

**Loops'24 International Conference on
Quantum Gravity**

Canonical 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

Canonical LQG

Session | Location: FAU FTL Room 131

14:00–14:15 **Pullin vacuum**

Speaker

Jerzy Lewandowski

14:15–14:30

Towards canonical LQG with neural networks: From the basics to 3d gravity in Smolin's weak coupling limit

Speaker

Hanno Sahlmann

14:30–14:45 **Relating Canonical and Covariant Hamiltonian frameworks**

Speaker

Alejandro Corichi

14:45–15:00 **Asymptotic safety and canonical quantum gravity**

Speaker

Renata Ferrero

15:00–15:15 **Fermions in LQG**

Speaker

Federica Fragomeno

15:15–15:30 **Symmetry charges on reduced phase space and BMS algebra**

Speaker

Hongwei Tan

15:30–15:45 **Effective LTB: from dust collapses to regular black holes**

Speaker

Stefan Weigl

16:00