

**Session Program**

**6-10 May 2024**

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

***Cosmology, Black Holes, and other  
applications/phenomenology***

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

# Thursday 9 May

15:10

## Cosmology, Black Holes, and other applications/phenomenology

Session | Location: FAU FTL Room 312

15:10–15:25 **Black hole as a semi-classical configuration with maximum entropy**

**Speaker**

Yuki Yokokura

15:25–15:40

**Scalar cosmological perturbations from quantum-gravitational entanglement**

**Speaker**

Luca Marchetti

15:40–15:55

**Timelike building blocks in quantum cosmology**

**Speaker**

Alexander Jercher

15:55–16:10

**Poincare symmetries for 4D gravity and spin networks**

**Speaker**

Simon Langenscheidt

16:10–16:25

**Purification of Hawking radiation: messages from a moving mirror analogue**

**Speaker**

Paula Calizaya Cabrera

16:25