

**Session Program**

**6-10 May 2024**

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

***Quantum Foundations and QG***

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

# Wednesday 8 May

15:10

## Quantum Foundations and QG

Session | Location: FAU FTL Room 131

15:10–15:25

### Understanding gravitationally induced decoherence parameters in neutrino oscillations using a microscopic quantum mechanical model

**Speaker**

Kristina Giesel

15:25–15:40

### Entanglement in quantum field theory: lessons from Minkowski and de Sitter space

**Speaker**

Ivan Agullo

15:40–15:55

### Quantum Reference Frames and the Localisation of Events in Superpositions of Spacetimes

**Speaker**

Viktoria Kabel

15:55–16:10

### Motivating semiclassical gravity: a classical-quantum approximation for bipartite quantum systems

**Speaker**

Irfan Javed

16:10–16:25

### The problems of time, normalizability and classical limit in canonical quantum gravity: A pilot-wave approach

**Speaker**

Indrajit Sen

16:25