

Session Program

7–10 Jul 2025

**Bridging high and low energies in search of quantum
gravity - 2025 Cost Action CA23130 First Annual
Conference**

WG1 High Energy QG Theory 2

LPNHE, Amphithéâtre Charpak
4 Place Jussieu 75005 Paris Tour 22

Tuesday 8 July

11:20

WG1 High Energy QG Theory 2

Session | Location: LPNHE, Amphithéâtre Charpak, 4 Place Jussieu 75005 Paris Tour 22

11:20–11:40

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

Speaker

Roman Kemper

11:40–12:00

Generalized Cotangent Geometry and Its Applications in Quantum Gravity

Speaker

Dr Lucia Santamaria-Sanz

12:00–12:20

What quantum foundations teach us about black holes

Speaker

Ladina Hausmann

12:20–12:40

Bound on Gravitational Wave Luminosity from Non-Perturbative Quantum Effects of Gravity

Speaker

Mr Wolfgang Wieland

12:40