

**Session Program**

7–10 Jul 2025

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

***WG3 Low-energy Gravitational Effects in Quantum Systems 1***

LPNHE, Amphithéâtre Charpak  
4 Place Jussieu 75005 Paris Tour 22

## Tuesday 8 July

16:50

### WG3 Low-energy Gravitational Effects in Quantum Systems 1

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

#### 16:50–17:30 Reassessing Quantum Einstein Equivalence Principle

Speaker

Caslav Brukner

#### 17:30–17:50

#### Progress on satellite-to-ground single-photon interference experiment: toward a quantum test in curved spacetime

Speaker

Yu-Huai Li

#### 17:50–18:10 Testing Quantum Mechanics and the Nature of Gravity through Diffusion

Speaker

Sandro Donadi

#### 18:10–18:30 Probing the Quantum Nature of Gravity through Diffusion

Speaker

Oliviero Angeli

#### 18:30–18:50 Detecting post-Newtonian classical and quantum gravity via atom clock interferometry

Speaker

Eyuri Wakakuwa

18:50