

**Session Program**

**31 August 2019 to 5 September 2019**

**Association Physique-Outremer**

***Session 4***

# Wednesday 4 September

18:00

## Session 4: Black Holes and Gravity

### Session

18:00–18:45

### Exploring fundamental Physics with Gravitational Waves

#### Speaker

Archil Kobakhidze

18:45–19:30

### Primordial Black holes

#### Speaker

Juan Garcia-Bellido

19:30–20:15

### Supergravity and Cosmology

#### Speaker

Renata Kallosh

20:15–20:45

### Coffee break

20:45–21:25

### Eternally inflating multiverse and many worlds in quantum mechanics: same concept?

#### Speaker

Yasunori Nomura

21:25–22:05

### Testing the Quantum Coherent Behavior of Gravity

#### Speaker

Sougato Bose

22:05–00:00

### Lunch break

00:00–00:30

### Quantum Insights on Primordial Black Holes as Dark Matter

#### Speaker

Francesca Vidotto

00:30–01:00

### The dark side of gravity and the acceleration of the Universe

#### Speaker

Frederic Henry-Couannier

01:00