

**Session Program**

**25-29 May 2020**

**Spring workshop on gravity and cosmology**

***session III***

Jagiellonian University

# Wednesday 27 May

10:00

## session III

**Session** | **Location:** Jagiellonian University

10:00–10:50

### Looking for a healthy nonsingular bounce

#### Speaker

Prof. Yifu Cai

10:50–11:15

### Stable Cosmology in Generalised Massive Gravity

#### Speaker

Michael Kenna-Allis

11:15–11:45

### coffee break

11:45–12:35

### Gravitational footprints of massive neutrinos and lepton number breaking

#### Speaker

Antonino Marciano

12:35–13:00

### Cosmology with unparticles: Bounces, inflation, cyclic Universe and dark energy

#### Speaker

Michał Artymowski

13:00–14:00

### lunch break

14:00–14:50

### Some aspects of stochastic background of gravitational waves

#### Speaker

Dr Shi Pi

14:50–15:15

### Induced gravitational waves in general cosmologies

#### Speaker

Dr Guillem Domenech

15:15–15:45

### coffee break

15:45–16:35

### Big Bounce and inflation from spin and torsion

#### Speaker

Nikodem Poplawski

16:35–17:00

### Proof of the quantum null energy condition for free fermionic field theories

#### Speaker

Taha Malik

17:50