

Session Program

May 25 - 29, 2020

Spring workshop on gravity and cosmology

session III

Jagiellonian University

Wed, May 27

10:00 AM

session III

Session | **Location:** Jagiellonian University

10:00 - 10:50 AM **Looking for a healthy nonsingular bounce**

Speaker

Prof. Yifu Cai

10:50 - 11:15 AM **Stable Cosmology in Generalised Massive Gravity**

Speaker

Michael Kenna-Allis

11:15 - 11:45 AM **coffee break**

11:45 AM - 12:35 PM

Gravitational footprints of massive neutrinos and lepton number breaking

Speaker

Antonino Marciano

12:35 - 1:00 PM

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

Speaker

Michal Artymowski

1:00 - 2:00 PM **lunch break**

2:00 - 2:50 PM **Some aspects of stochastic background of gravitational waves**

Speaker

Dr Shi Pi

2:50 - 3:15 PM **Induced gravitational waves in general cosmologies**

Speaker

Dr Guillem Domenech

3:15 - 3:45 PM **coffee break**

3:45 - 4:35 PM **Big Bounce and inflation from spin and torsion**

Speaker

Nikodem Poplawski

4:35 - 5:00 PM

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

Speaker

Taha Malik

5:50 PM