

## **Session Program**

**1-5 Jul 2019**

# **Beyond General Relativity, Beyond Cosmological Standard Model**

## ***Beyond IV***

Faculty of Physics, University of Warsaw  
conference hall 0.03, Faculty of Physics, University of Warsaw ul. Pasteura 5, 02-093 Warszawa Poland

# Thursday 4 July

08:45

## Beyond IV

**Session** |

**Location:** Faculty of Physics, University of Warsaw, conference hall 0.03, Faculty of Physics, University of Warsaw ul. Pasteura 5, 02-093 Warszawa Poland |

**Conveners:** Prof. Yifu Cai (afternoon), Prof. Misao Sasaki (morning)

08:45–10:00

### Reverse Engineering the Universe

**Speaker**

Andrei Linde

10:00–10:20

### Probing the Inflationary Field Content with Primordial Gravitational Waves and more.

**Speaker**

Matteo Fasiello

10:20–10:50

### coffee break

10:50–11:35

### The Search for Inflationary B-modes with the BICEP/Keck Telescopes

**Speaker**

Prof. Clem Pryke

11:35–12:20

### Testing primordial Non-Gaussianity: perspectives beyond Planck

**Speaker**

Prof. Michele Liguori

12:20–12:40

### Shift-symmetric orbital inflation: single field or multi-field?

**Speaker**

Mr Dong-Gang Wang

12:40–14:00

### lunch break

14:00–14:45

### Updates on the Cosmological Collider Physics

**Speaker**

Prof. Yi Wang

14:45–15:30

### Primordial Standard Clocks as Direct Probes of the Scenario of the Primordial Universe

**Speaker**

Prof. Xingang Chen

15:30–15:50

### Stability of de Sitter spacetime against the backreaction of the infrared modes of scalar fields

**Speaker**

Gabriel Moreau

15:50-16:20 **coffee break**

16:20-17:05

**Monodromy inflation and an emergent mechanism for stabilising the cosmological constant**

**Speaker**

Prof. Tony Padilla

17:05-17:25

**Primordial-Black-Holes-as-CDM Scenario and Gravitational Waves**

**Speaker**

Misao Sasaki

17:25-17:45

**Cosmic Inflation and Dark Energy from the Electroweak Phase Transition**

**Speaker**

Dr Konstantinos Dimopoulos

17:45-18:05

**Complementary probes of cosmic inflation**

**Speaker**

Jurgen Mifsud

18:05-18:25

**Constant roll warm inflation**

**Speaker**

Dr Michal Artymowski

19:45