

Session Program

19-20 Jun 2026

2026 Theory Canada 18

Gravitation and Cosmology

Université de Montréal (MIL campus), A-4502.1
1375 Avenue Thérèse-Lavoie-Roux, Montréal (QC) H2V 0B3

Friday 19 June

09:45

Gravitation and Cosmology: I

Session |

Location: Université de Montréal (MIL campus), A-4502.1, 1375 Avenue Thérèse-Lavoie-Roux, Montréal (QC) H2V 0B3

09:45-10:05

Conversion between Gravitational and Electromagnetic Waves at Medium Boundaries

Speaker

Serge Hamoudou

10:05-10:25

Polarization Formalism for Photon-Gravitational Wave Mixing Around Magnetars

Speaker

Jean-Simon Côté

10:25-10:45

Cold and Fuzzy Dark Sector

Speaker

Christian Capanelli

10:45

Saturday 20 June

09:45

Gravitation and Cosmology: II

Session |

Location: Université de Montréal (MIL campus), A-4502.1, 1375 Avenue Thérèse-Lavoie-Roux, Montréal (QC) H2V 0B3

09:45-10:05

The $13\text{CO}(2-1)/12\text{CO}(2-1)$ Line Ratio from 100 Molecular Clouds in the Large Magellanic Cloud

Speaker

Dia Kalra

10:05-10:25

Dark Energy Bubble as Dynamical Dark Energy: Properties and CMB Constraints

Speaker

Batia Friedman-Shaw

10:25-10:45

Unified Standard Model with Emergent Gravity-Effective Field Theory: First Successful Unification of Gravity with the Standard Model

Speaker

Dr Farrukh Ahmed Chishtie

10:45