

Session Program

6-11 Jun 2021



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2021 CAP Virtual Congress / Congrès virtuel de l'ACP 2021

M1-2 Classical and Quantum Gravity I (DTP) / Gravité classique et quantique I (DPT)

Underline Conference System

Sunday 6 June

11:45

M1-2 Classical and Quantum Gravity I (DTP) / Gravité classique et quantique I (DPT)

Session | **Location:** Underline Conference System | **Convener:** Robert Mann

11:45-11:50 **(I) On the firewall puzzle**

Speaker

Beni Yoshida

11:50-11:55

(I) Quantum Gravity Phenomenology from the Generalized Uncertainty Principle

Speaker

Pasquale Bosso

11:55-11:58

Scalar-tensor gravity as an imperfect fluid, with applications

Speaker

Valerio Faraoni

11:58-12:01

(G*) Test of Quantum Gravity in Statistical Mechanics

Speaker

Mitja Fridman

12:01-12:04

(G*) Analyzing Loop Quantum Cosmology of Bianchi II Space with Numerical Methods

Speaker

Timothy Blackmore

12:04-12:07

(G*) Effective loop quantum gravity framework for vacuum spherically symmetric space-times

Speaker

Jarod Kelly

12:07-12:10

Dust collapse and bounce in effective loop quantum gravity

Speaker

Robert Santacruz

12:10-12:30

Questions/Answers and Discussion Period

12:30