

Session Program

18-23 Jun 2023



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2023 CAP Congress / Congrès de l'ACP 2023

***(DTP) R1-2 Mathematical and Theoretical
Physics | Physique mathématique et
théorique (DPT)***

University of New Brunswick

Thursday 22 June

08:30

(DTP) R1-2 Mathematical and Theoretical Physics | Physique mathématique et théorique (DPT)

Session | **Location:** Rm. 104 (max. 82), UNB Tilley Hall | **Convener:** Sanjeev Seahra

08:30–09:00

(I) Quantum Resource Theories and Beyond

Speaker

Carlo Maria Scandolo

09:00–09:15

Emergent Cosmology from Quantum Gravity

Speaker

Luca Marchetti

09:15–09:30

First-order thermodynamics of scalar-tensor gravity: recent progress

Speaker

Valerio Faraoni

09:30–09:45

Continuum properties using Causal Sets

Speaker

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09:45–10:00

Determining Excited States using the Conjugate Gradient Method in a Hilbert Space of Infinite Dimension

Speaker

Robert Petry

10:00