

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) R2-2 Frontiers in Theoretical Physics |
Frontières de la physique théorique (DPT)***

University of New Brunswick

Thursday 22 June

10:30

(DTP) R2-2 Frontiers in Theoretical Physics | Frontières de la physique théorique (DPT)

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

10:30–11:00 (I) The Axiverse of Dark QCD

Speaker

Evan McDonough

11:00–11:15 A Penrose-type inequality with angular momenta for black holes

Speaker

Hari Kunduri

11:15–11:30

Photon propagation in curved space: loss of interference and Bell inequality violation

Speaker

Karl-Peter Marzlin

11:30–11:45

Power Series Solution of Massless Klein-Gordon Equation in Spatially Dependent Gravitational Wave Background

Speaker

Dr Todd Fugleberg

11:45–12:00 Lambert W Lines and Metamaterials

Speaker

Prof. Najeh Jisrawi

12:00