

## 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) T4-4 Hot Topics From Theory Made  
Accessible | Sujets chauds de la théorie  
rendus accessibles (DPT)***

University of New Brunswick

# Monday 19 June

15:15

## **(DTP) T4-4 Hot Topics From Theory Made Accessible | Sujets chauds de la théorie rendus accessibles (DPT)**

**Session** | **Location:** Rm. 205 (max. 85), UNB Tilley Hall | **Convener:** Turkuler Durgut

15:15-15:45 **(I) What is the simplicity of the early universe trying to tell us?**

**Speaker**

Latham Boyle

15:45-16:15

**(I) Theoretical modeling of topological microelectronic devices with van Roosbroeck's equations**

**Speaker**

Ion Garate

16:15-16:45

**(I) Quantum Computational Advantage with a Programmable Photonic Processor**

**Speaker**

Nicolás Quesada

16:45-17:15

**(I) How can we define and control the material properties of developing tissues?**

**Speaker**

Dr Gonca Erdemci-Tandogan

17:15