

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/DNP/PPD) W2-4 Advances in Nuclear and
Particle Theory | Progrès dans la théorie
nucléaire et la théorie des particules (DPT/
DPN/PPD)***

University of New Brunswick

Tuesday 20 June

13:45

(DTP/DNP/PPD) W2-4 Advances in Nuclear and Particle Theory | Progrès dans la théorie nucléaire et la théorie des particules (DPT/DPN/PPD)

Session | **Location:** Rm. 215 (max. 190), UNB Kinesiology | **Conveners:** Nicole Vassh, Nicole Vassh

13:45-14:15

(I) Understanding the Quark Gluon Plasma using High-Performance Computing and Bayesian Analyses

Speaker

Prof. Gojko Vujanovic

14:15-14:30

Gravitational Effect on Quark Gluon Plasma

Speaker

Dr Arundhati Dasgupta

14:30-14:45

(G*) Unified Interacting Quark Stars in 4D Gauss-Bonnet Gravity

Speaker

Michael Gammon

14:45-15:00

Mutual information harvested by uniformly accelerated particle detectors

Speaker

Manar Naeem

15:00-15:15

(G*) A Complex Window-Based Joint-Chirp-Rate-Time-Frequency Transform for BH Merger Gravitational Wave Signal Detection

Speaker

Xiyuan Li

15:15