

## **Session Program**

**18-23 Jun 2023**



**Canadian Association  
of Physicists**

**Association canadienne  
des physiciens et physiciennes**

# **2023 CAP Congress / Congrès de l'ACP 2023** ***(PPD) M3-1 Collider 2 | Collider 2 (PPD)***

University of New Brunswick

# Monday 19 June

16:00

## (PPD) M3-1 Collider 2 | Collider 2 (PPD)

Session | Location: Rm. 104 (max. 82), UNB Tilley Hall | Convener: Luise Poley

16:00–16:30 **(I) Recent Physics Highlights from the ATLAS Experiment**

**Speaker**

Nikolina Ilic

16:30–16:45 **(G\*) Training electron identification CNN in real data**

**Speaker**

Olivier Denis

16:45–17:00 **Calorimetry Detectors for Particle Physics**

**Speaker**

Prof. Francois Corriveau

17:00–17:15

**(G\*) Simulating noise waveforms in the Belle II electromagnetic calorimeter (ECL) using generative adversarial neural networks (GANs)**

**Speaker**

Alexandre Beaubien

17:15–17:30

**(G\*) Simulating high-energy particle-calorimeter interactions with quantum-classical generative models**

**Speaker**

Hao Jia

17:30–17:45

**(G\*) A simultaneous measurement of 24 observables in Z+jets events using the ATLAS detector**

**Speaker**

Laura Miller

17:45