

## Session Program

5-11 Jun 2022



Canadian Association  
of Physicists

Association canadienne  
des physiciens et physiciennes

## 2022 CAP Congress / Congrès de l'ACP 2022

***M3-8 Dark Matter Experiment II (PPD) |  
Expériences de matière sombre II (PPD)***

McMaster University

## Sunday 5 June

16:00

### M3-8 Dark Matter Experiment II (PPD) | Experiences de matière sombre II (PPD)

**Session** | **Location:** McMaster University, MDCL 1309 | **Convener:** Marie-Cécile Piro

16:00-16:15

#### **(G\*) The NEWS-G light Dark Matter search experiment: Current status and preparation for experiment at SNOLAB**

**Speaker**

Mr Daniel Durnford

16:15-16:30

#### **(G\*) First direct detection constraints on Planck-scale mass dark matter using DEAP-3600 detector**

**Speaker**

Shivam Garg

16:30-16:45

#### **(G\*) Measuring alpha quenching factors in liquid argon using Argon-1**

**Speaker**

Michael Perry

16:45-17:00

#### **(G\*) Toward understanding the nuclear efficiency threshold of bubble chamber detectors**

**Speaker**

Xiang Li

17:00-17:15

#### **(G\*) detector response simulation for NEWS-G experiment**

**Speaker**

Yuqi Not Supplied

17:15-17:30

#### **(G\*) Laser Absorption Spectroscopy for Methane Sensing in SPCs for the NEWS-G Experiment**

**Speaker**

Mr Carter Garrah

17:30