

Session Program

2-7 Jun 2019



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2019 CAP Congress / Congrès de l'ACP 2019

W2-5 Dark matter searches (PPD) | Recherche de matière sombre (PPD)

Simon Fraser University

Wednesday 5 June

13:15

W2-5 Dark matter searches (PPD) | Recherche de matière sombre (PPD)

Session | **Location:** Simon Fraser University, HC 126 | **Convener:** Isabel Trigger

13:15-13:30

Using the profile-likelihood method to search for dark matter in DEAP-3600

Speaker

Ms Ashlea Kemp

13:30-13:45

Calibration and Physics Outlook of PICO-40L

Speaker

Colin Moore

13:45-14:00

Measurement of the single electron response of Spherical Proportional Counters for the NEWS-G light dark matter search experiment

Speaker

Mr Daniel Durnford

14:00-14:15

Modelling Cherenkov in DEAP-3600

Speaker

Courtney Mielnichuk

14:15-14:30

Determination of the Physics Reach of the PICO-40L and PICO-500 Bubble Chamber Dark Matter Detectors

Speaker

Mr Clarke Hardy

14:30-14:45

Dark Absorption in SuperCDMS Soudan

Speaker

Eleanor Fascione

14:45