

Session Program

26-31 May 2024



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2024 CAP Congress / Congrès de l'ACP 2024

***(PPD) T2-1 Neutrinos and Dark Matter II |
Neutrinos et matière noire II (PPD)***

Western University

Tuesday 28 May

14:15

(PPD) T2-1 Neutrinos and Dark Matter II | Neutrinos et matière noire II (PPD)

Session | **Location:** Social Science Centre, Western U., SSC Rm 2032 (cap. 135)

14:15–14:30

Incorporating Advances in Machine Learning for Reconstruction in T2K and Super-Kamiokande Experiments

Speaker

Félix Cormier

14:30–14:45

(G*) Helium Scintillation Background Light in T2K's Optical Transition Radiation Monitor"

Speaker

Jasmine Zhang

14:45–15:00

Alternative energy calibration method for the DEAP-3600 experiment

Speaker

Badamsambuu Jigmeddorj

15:00–15:15

The Cryogenic Underground TEST (CUTE) facility at SNOLAB

Speaker

Dr Matthew Stukel

15:15–15:30

Achieving complete renormalization of observables using the Principle of Observable Effective Matching

Speaker

Dr Farrukh Ahmed Chishtie

15:30–15:45

First Glimpses of the SuperCDMS High Voltage Detectors

Speaker

Yan Liu

15:45