

Session Program

8-13 Jun 2025



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2025 CAP Congress / Congrès de l'ACP 2025

***DCMMP Poster Session & Student Poster
Competition | Session d'affiches DPMCM et
concours d'affiches étudiantes (13)***

Tuesday 10 June

18:00

DCMMP Poster Session & Student Poster Competition | Session d'affiches DPMCM et concours d'affiches étudiantes (13)

Session

18:00-18:02

(POS-18) A molecular dynamics simulation study of glassy dynamics in supercooled glycerol.

Speaker

Shreya Tiwary

18:02-18:04

(POS-10) Extending the Mean First-Passage Time Formalism to the Reconstruction of High Free Energy Barriers

Speaker

Ying Jiang

18:04-18:06

(POS-12) The influence of dynamic/tetrahedral correlations on the ice/water interface

Speaker

Mathieu Muise

18:06-18:08

(POS-13) Resonant Soft X-ray Scattering and Reflectometry for Quantum Materials at the REIXS beamline

Speaker

Ronny Sutarto

18:08-18:10

(POS-14) Band gap and electronic structure of oxygen-containing $\text{Ca}_5\text{Sb}_2(\text{NH})_2$: A soft X-ray spectroscopy and DFT

Speaker

Saloni Saloni

18:10-18:12

(POS-15) Resonant X-ray Reflectometry of a Mn_3Ge -based Quantum Heterostructure

Speaker

Ms Meemansha Bahuguna

18:12-18:14

(POS-16) Revealing Graphene Oxide Structure using Synchrotron and DFT techniques

Speaker

Sakshi Sakshi

18:14-18:16

(POS-17) A Large-Scale Molecular Dynamics Simulation of Compressed Ice

Speaker
Rielly Castle

18:16-18:18

(POS-19) The effect of quasi-one-dimensional confinement on dynamical heterogeneities in glass forming liquids.

Speaker
Josh Gramlich

18:18-18:20

(POS-20) Probing the Electronic Structure and Luminescence Mechanisms of BaSiP₃N₇:Eu²⁺ Using DFT and Synchrotron-Based Spectroscopy.

Speaker
Osebi Daudu

18:20-18:22

(POS-21) Unraveling (e_g) Orbital Splitting in TiO₂: The Role of Local Distortion in Ligand Field Multiplet Theory

Speaker
Peter Ufondu

18:22-18:24

(POS-22) Uncovering the Electronic Environment of a Novel Nitridophosphate: GeP₂N₄

Speaker
Cody Somers

18:24-18:26

(POS-23) Group Theory and Energies of a Cornerless Two Dimensional Su-Schrieffer-Heeger Model

Speaker
Ilya Iakoub

18:26-18:28

(POS-11) Calculation of angle-dependent magnetoresistance with magnetic breakdown for temperature dependent anisotropic scattering

Speaker
Mrs Sepideh Mirabi

19:30