

Session Program

26-31 May 2024



**Canadian Association
of Physicists**

**Association canadienne
des physiciens et physiciennes**

2024 CAP Congress / Congrès de l'ACP 2024

***DTP Poster Session & Student Poster
Competition (11) | Session d'affiches DPT et
concours d'affiches étudiantes (11)***

Western University

Monday 27 May

17:45

DTP Poster Session & Student Poster Competition (11) | Session d'affiches DPT et concours d'affiches étudiantes (11)

Session | Location: Western University, PAB Hallways

18:00-18:02

(G*) (POS-72) Motivating semiclassical gravity: a classical-quantum approximation for bipartite quantum systems

Speaker

Irfan Javed

18:02-18:04

(POS-70) Discrete Quantum Mysteries: Biphasic Transitions and Matter-Energy Equivalence

Speaker

Dr Steven Moore

18:04-18:06

(G) (POS-74) The hypothesis of a new fundamental physical constant (the limit electric potential) and outline of its theoretical exploration

Speaker

Yingtao Yang

18:06-18:08

(POS-71) Scalar-tensor realizations of the ugly duckling of the Hawking-Ellis classification of stress-energy tensors

Speaker

Valerio Faraoni

18:08-18:10

(G*) (POS-76) Same Data, New Insights: Virial Analysis of Ammonia-Identified Clumps in Giant Molecular Clouds

Speaker

Tai Withers

18:10-18:12

(G) (POS-75) Bouncing cosmology; a solution to the singularity problem and more.

Speaker

Mr Amirhossein Dehghanizadeh

18:12-18:14

(G*) (POS-73) Diffuse emission from black hole remnants

Speaker

Mateo Pascual

18:14-18:16

(G*) (POS-77) Dense Annular Rings found in Two Class 0/I Protostellar Disks

Speaker

Mr Shamus Tobin

18:16-18:18 (G) (POS-78) Quantum Formulation of Classical Mechanics

Speaker
Mr Mustafa Amin

18:20-18:22

(POS-79) Scalar cosmological perturbations from quantum-gravitational entanglement

Speaker
Dr Luca Marchetti

18:24-18:26 (G*) (POS-80) Accelerated detector in a superposed spacetime

Speaker
Lakshay Goel

19:15