

## **Session Program**

**19-20 Jun 2026**

# **2026 Theory Canada 18**

## ***Quantum Information***

Université de Montréal (MIL campus), A-4502.1  
1375 Avenue Thérèse-Lavoie-Roux, Montréal (QC) H2V 0B3

# Friday 19 June

09:45

## Quantum Information: I

Session | Location: A-2553

09:45-10:05

### Photon-number cumulants of Gaussian states

**Speaker**

Yanic Cardin

10:05-10:25

### Perspective on quantum clocks

**Speaker**

Mrs Kobra Mahdavi-pour

10:25-10:45

### Hybrid Quantum-Classical Neural Networks with a Fermionic Layer

**Speaker**

Ayana Sarkar

10:45

## Saturday 20 June

14:00

### Quantum Information: II

Session |

Location: Université de Montréal (MIL campus), A-4502.1, 1375 Avenue Thérèse-Lavoie-Roux, Montréal (QC) H2V 0B3

14:00–14:20

#### Collective Quantum Phenomena in Astrophysical Media

Speaker

Dr Fereshteh Rajabi

14:20–14:40

#### Exotic differential seven spheres and the two qubit phase space

Speaker

Prof. Manu Paranjape

14:40–15:00

#### Eigenstate thermalization hypothesis as a quantum resource for linear algebra problems

Speaker

Thomas Baker

15:00

16:00

### Quantum Information: III

Session |

Location: Université de Montréal (MIL campus), A-4502.1, 1375 Avenue Thérèse-Lavoie-Roux, Montréal (QC) H2V 0B3

16:00–16:20

#### Do $\psi$ -Ontic Models Capture the Reality of Pure Quantum States? A Response from Measure Theory

Speaker

Doyeong Kim

16:20–16:40

#### Finite-Size Effects in Quantum Metrology at Strong Coupling: Microscopic vs Phenomenological Approaches

Speaker

Ali Pedram

16:40–17:00

#### A Unified Framework for Locally Stable Phases

Speaker

Raz Firanko

17:00