

**Session Program**

**19-20 Jun 2026**

**2026 Theory Canada 18**

***Particles and Fields***

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

# Friday 19 June

11:15

## Particles and Fields: I

Session |

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

11:15-11:35

### Radiative & dark-Higgs effects on complex scalar dark matter

**Speaker**

Lilianna Hariasz

11:35-11:55

### Neutrinos as dark matter

**Speaker**

James Cline

11:55-12:15

### Dynamics of nucleation in thermal phase transitions

**Speaker**

Andrey Shkerin

12:15-12:35

### Freeze-in Dark Matter from a Conformal Higgs Sector Extension

**Speaker**

Tianyi Xie

12:35

16:00

## Particles and Fields: II

Session | Location: A-2553

16:00-16:20

### Impact of Vector like quarks in Rare B decays

**Speaker**

Dr Maryam Bibi

16:20-16:40

### Rare B Meson Decays as Probes of New Physics: Theoretical Challenges and Precision Tests of the Standard Model

**Speaker**

Mohammad Ahmady

16:40-17:00

### Short-Range Contributions to Neutrinoless Double-Beta Decay from Ab Initio Nuclear Theory

**Speaker**

Alex Todd

17:00-17:20

### SU(3)-flavour symmetry breaking in B->DP decays

**Speaker**

Rida Boumris

17:20

# Saturday 20 June

11:15

## Particles and Fields: III

Session | Location: A-2553

**11:15-11:35** **Bootstrapping Gravity with Crossing Symmetric Dispersion Relations**

**Speaker**

Celina Pasiecznik

**11:35-11:55** **Conformal inversion in the pion**

**Speaker**

Prof. Ruben Sandapen

**11:55-12:15**

**Anomaly mediated supersymmetry breaking and Seiberg-Witten theory**

**Speaker**

Cyrus Robertson Orkish

**12:15-12:35** **The Analytic Functional in the Conformal Bootstrap**

**Speaker**

Dr Zechuan Zheng

12:35