

Perimeter-SAIFR  
**JOURNEYS**

**INTO THEORETICAL PHYSICS**

**JULY 17-23, 2023**

IFT-UNESP, São Paulo



ICTP  
SAIFR

International Centre  
for Theoretical Physics  
South American Institute  
for Fundamental Research



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INSTITUTO DE FÍSICA TEÓRICA

**JUAN CARRASQUILLA**  
(Vector Institute/U. Waterloo/  
U. Toronto)

MACHINE LEARNING  
FOR QUANTUM MATTER

**YIN-CHEN HE**  
(Perimeter Institute)  
INTRODUCTION TO THE  
QUANTUM HALL EFFECT

**RICARDO MATHEUS**  
(IFT-UNESP)

OPEN PROBLEMS IN  
PARTICLE PHYSICS

**NATHAN BERKOVITS**  
(IFT-UNESP/ICTP-SAIFR)

INTRODUCTION TO  
SUPERSYMMETRY

Financial support is available, and top students will be offered master's fellowships to spend one year in ICTP-SAIFR and one year in the Perimeter Scholars International program.

Application deadline: May 10, 2023  
Application form and information at <http://journeys.ictp-saifr.org/>