

## **Session Program**

**19-24 Nov 2023**



# **Quantum Techniques in Machine Learning (QTML conference 2023)**

## ***Reinforcement Learning and Robust Learning***

CERN, 500/1-001 - Main Auditorium

# Friday 24 November

12:00

## Reinforcement Learning and Robust Learning

**Session** | **Location:** CERN, 500/1-001 - Main Auditorium | **Convener:** Sofiene Jerbi

12:00–12:30

### Quantum adaptive agents with efficient long-term memories

**Speaker**

Thomas Elliott

12:30–12:31

### Talk cancelled: Self-Correcting Quantum Many-Body Control using Reinforcement Learning with Tensor Networks

**Speaker**

Friederike Metz

12:31–12:46

### Quantum machine learning with enhanced adversarial robustness

**Speaker**

Maxwell West

12:47–13:02

### Quantum algorithm for robust optimization via stochastic-gradient online learning

**Speaker**

Debbie Huey Chih LIM

13:02