

## **Session Program**

**22-23 Dec 2025**

# **Turin Lattice Meeting 2025**

## ***Talks***

Dipartimento di Fisica, Aula C  
Via Pietro Giuria 1, 10125 Torino

# Monday 22 December

09:15

## Talks

**Session** | **Location:** Dipartimento di Fisica, Aula C, Via Pietro Giuria 1, 10125 Torino

09:15–09:45

### Finite density QCD phase structure from lattice simulations: some recent results

**Speaker**

Paolo Parotto

09:45–10:15

### Analytic continuation from imaginary chemical potential as an inverse problem

**Speaker**

Marco Aliberti

10:15–10:45

### Constrained Symplectic Quantization: a new method for real-time dynamics

**Speaker**

Martina Giachello

10:45

11:15

## Talks

**Session** | **Location:** Dipartimento di Fisica, Aula C, Via Pietro Giuria 1, 10125 Torino

11:15–11:45

### Quantum gravity from the replica trick

**Speaker**

Andrea Bulgarelli

11:45–12:15

### How hard is it to simulate a quantum many-body system?

**Speaker**

paolo stornati

12:15–12:45

### Space time tensor networks and temporal entropies

**Speaker**

Luca Tagliacozzo

12:45

14:30

## Talks

**Session** | **Location:** Dipartimento di Fisica, Aula C, Via Pietro Giuria 1, 10125 Torino

14:30–15:00

### Study of the continuum limit of the lattice step scaling function in (2+1)D U(1) Yang-Mills on the lattice

**Speaker**

Alessio Negro

15:00–15:30

### Out-of-equilibrium entanglement growth in integrable field theories

**Speaker**

Dr Emanuele Di Salvo

15:30-16:00

## Variational Method in Quantum Field Theory

### Speaker

Mr Andrea Stampiggi

16:00

# Tuesday 23 December

09:30

## Talks

**Session** | **Location:** Dipartimento di Fisica, Aula C, Via Pietro Giuria 1, 10125 Torino

09:30-10:00 **Learning how to solve the signal-to-noise ratio problem**

**Speaker**

Dr Pietro Butti

10:00-10:30 **A scalable flow-based approach to mitigate topological freezing**

**Speaker**

Elia Cellini

10:30-11:00 **Interfaces Free energy in the  $\phi^4$  theory**

**Speaker**

Lorenzo Verzichelli

11:00

11:45

## Talks

**Session** | **Location:** Dipartimento di Fisica, Aula C, Via Pietro Giuria 1, 10125 Torino

11:45-12:15

**Ground-State Extraction of Heavy-Light-Meson Semileptonic Decay Form Factors**

**Speaker**

Antonino D'Anna

12:15-12:45

**Studying the effective restoration of the  $U(1)_A$  symmetry on the lattice with Wilson fermions**

**Speaker**

Antonio Smecca

12:45