ROOM CONVERSI

PHYSICS DEPARTMENT
BUILDING MARCONI

Seminar

CHIRALITY, TOPOLOGICAL MATTER, AND THE STANDARD MODEL

The Standard Model describes observed particle physics very well, but at the same time is so poorly defined it cannot be formulated on a computer.

I describe an intriguing path toward rectifying this situation which starts at a bottle of wine, detours through the Integer Quantum Hall Effect, and then wanders off into a fifth dimension. On the journey we may learn something new about the Standard Model, such as why the neutron electric dipole moment vanishes.

MARCH 18TH, 2025 AT 15:00

Winner of the award

DAVID BENJAMIN KAPLAN

AWARD

FELICE PIETRO CHISESI E CATERINA TOMMASSONI

Award "For introduction of the domain wall method for simulating chiral fermions on the lattice and for seminal work on other strongly interacting systems"

Seminar 2025

18 MARZO

Starting from **15:00**

Welcome
Professor **EUGENIO GAUDIO**

Introduction
Professor **DANIELE DEL RE**

Announcement of the winner
Professor **GIORGIO PARISI**

Award ceremony

Buffet

FREE ENTRY
FREE ENTRY
FREE ENTRY