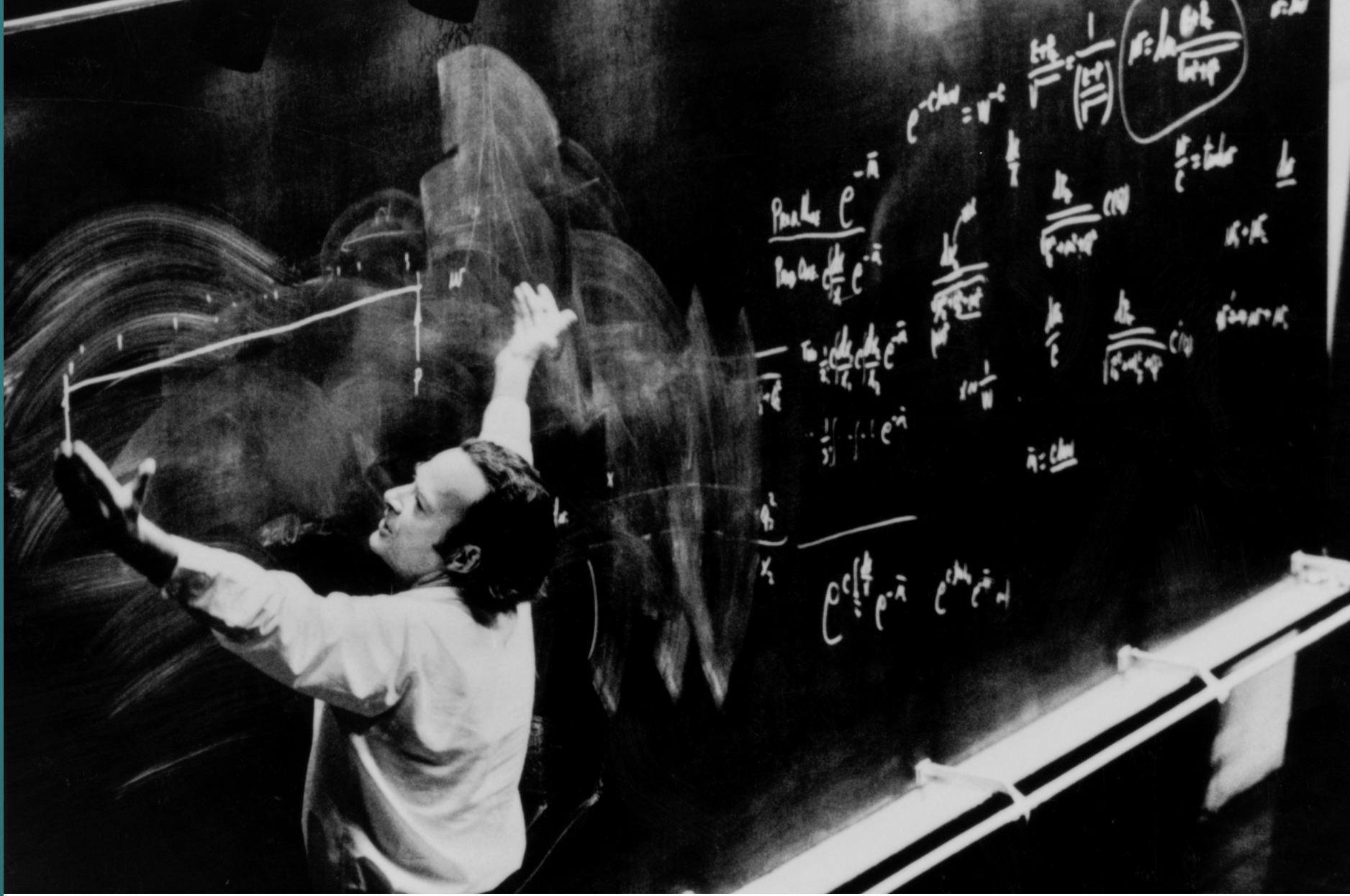




GGI
SCHOOL



13-31 JANUARY
2025

GGI LECTURES ON THE THEORY OF FUNDAMENTAL INTERACTIONS

Galileo Galilei Institute for Theoretical Physics - Firenze

Organizers

FRANCESCO D'ERAMO
(Padova U. & INFN)

ANGELO ESPOSITO
(Roma Sapienza U. & INFN)

ROBERTO FRANCESCHINI
(Roma Tre U. & INFN)

DIEGO REDIGOLO
(INFN Firenze)

GIULIA RICCIARDI
(Napoli Federico II U. & INFN)

ANDREA TESI
(INFN Firenze)

local organizer:

MICHELE TAMMARO
(INFN Firenze)

Lecturers and Topics

PRATEEK AGRAWAL (Oxford U.)
The Strong CP problem

EDWARD HARDY (Oxford U.)
Beyond the SM in the early Universe

LAM HUI (Columbia U.)
Symmetries in cosmology and black hole perturbations

LAURA LOPEZ HONOREZ (Bruxelles U.)
Dark Matter cosmology

FABIO MALTONI (Bologna U.)
Collider Physics

IAIN STEWART (MIT)
Effective Field Theories

The lectures are primarily addressed to Ph.D. students in High Energy Particle and Astroparticle Physics. The aim of the school is to give a pedagogical introduction to the basic concepts and tools needed for research, covering the foundations of the subject at a deep and advanced level.



deadline for applications: 31 October 2024
<https://l.infn.it/fundamentalinteractions2025>