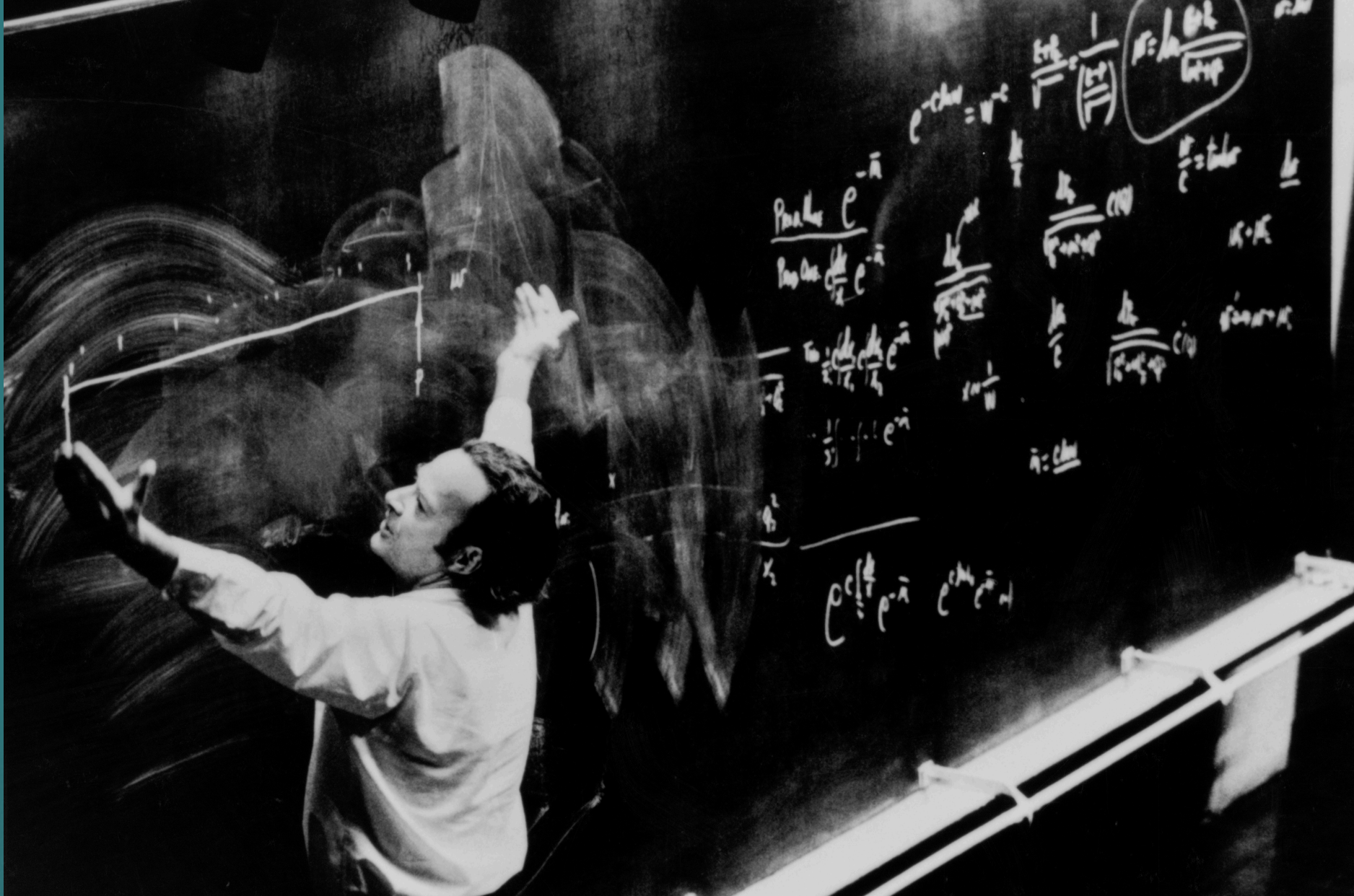




GGI
SCHOOL



10-28 JANUARY
2022

GGI LECTURES ON THE THEORY OF FUNDAMENTAL INTERACTIONS

Galileo Galilei Institute for Theoretical Physics - Firenze

Organizers

FRANCESCO D'ERAMO
(Padova U. & INFN)

FABIO MALTONI
(Bologna U. & Louvain U.)

GIULIANO PANICO
(Firenze U. & INFN)

DIEGO REDIGOLO
(INFN Firenze & CERN)

GIULIA RICCIARDI
(Napoli Federico II U. & INFN)

FRANCESCO RIVA
(Geneva U.)

Lecturers and Topics

SEBASTIEN DESCOTES-GENON (Orsay)
Flavor Physics

GIA DVALI (Munich U. and MPI Munich)
Beyond the Standard Model

DANIEL FIGUEROA (IFIC & Valencia U.)
Gravitational Wave Backgrounds

YONIT HOCHBERG (Hebrew U.)
Dark Matter: New Directions for Theory and Experiment

SIMONE MARZANI (Genova U.)
QCD and Collider Physics

ALEXANDER ZHIBOEDOV (CERN)
The Analytic S-matrix

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.



The Galileo Galilei Institute for Theoretical Physics

Deadline for application: 1 November 2021
<http://www.ggi.infn.it/ggilectures>