

DOMOSCH ∞ L

International Alpine School of Mathematics and Physics

JULY 14-18 2025 | DOMODOSSOLA

Amplitools: mathematical methods for Particles Physics, Gravitation and Cosmology

The Domoschool 2025 edition focuses on the rich mathematical structure emerging from Feynman integrals and Scattering Amplitudes in Particle Physics, Gravity, Cosmology and String Theory, as well as from Euler-Mellin integrals and related GKZ systems in Mathematics, and their relation to modern techniques of Computer Science.

Its interdisciplinary program consists of **FOUR** courses for a total of **20** hours and it is oriented to PhD students, postdocs and early career researchers, both in mathematics and in physics.

Interaction with and among professors will be also encouraged.

LECTURERS

Raphael PORTO

DESY, Hamburg

Anna Laura SATTELBERGER

MPI MIS, Leipzig

Lorenzo TANCREDI

TUM, Munich

Matthias WILHELM

USD, Odense

TOPICS

REGISTRATION

EARLY FEE: € 245,00

due payment by **May 30th**

REGULAR FEE: € 295,00

due payment by **June 30th**

Registration includes: **teaching material** in PDF format, **lunches**, **coffee breaks**, **Guided tour** and **Social Dinner**

LECTURERS

FELLOWSHIPS

Deadline June 30, 2025

With the support of FONDAZIONE CRT and INFN, **FREE HOSPITALITY GRANTS** (B&B in shared rooms) are offered for up to a maximum of **20 participants staying the whole period**.

Request must be indicated in the REGISTRATION FORM, to be filled and sent before the deadline.

Priority: order of arrival or special indicated reasons.

SHORT TALKS

Deadline July 4th 2025

A limited number of **slots** for a **20-minute talk** are reserved to students and postdocs.

Title and abstract should be mailed to the Organizing Committee for approval by the SCIENTIFIC BOARD.

SIGNUP

SCIENTIFIC BOARD: S. CACCIATORI (COORDINATOR), F.D.BELGIORNO, A.CARLOTTO, O.CARAMELLO, A.KAMENCHTCHIK, L.LAFFORGUE, P.MIAO, G.GIONTI S.J., M.GIUDICI, P.A.GRASSI, B.GUNEYSU, P.MASTROLIA, S.NOJA, S.PIGOLA, R.RE, P.URSINO.

ORGANIZING BOARD: S.CACCIATORI, E.CRISTINA, D. PERNA, S.NOJA, P. MASTROLIA, S.PIGOLA, P.A.GRASSI.

ORGANIZING COMMITTEE

ARS.UNI.VCO ETS Association

+39 388 984 3952 - domoschool@arsunivco.eu