

Domoschool 2025

Report of Contributions

Contribution ID: 1

Type: **not specified**

Registration

Monday 14 July 2025 08:30 (30 minutes)

Contribution ID: 2

Type: **not specified**

Introduction to the Theory of Feynman Integrals

Monday 14 July 2025 09:00 (2 hours)

Presenter: TANCREDI, Lorenzo

Contribution ID: 3

Type: **not specified**

Gravitational Waves: the (Quantum) Field Theory Approach

Monday 14 July 2025 11:30 (1 hour)

Presenter: PORTO, Rafael

Contribution ID: 4

Type: **not specified**

Gravitational Waves: the (Quantum) Field Theory Approach

Monday 14 July 2025 14:30 (1 hour)

Presenter: PORTO, Rafael

Contribution ID: 5

Type: **not specified**

Introduction to the Theory of Feynman Integrals

Monday 14 July 2025 15:30 (1 hour)

Presenter: TANCREDI, Lorenzo

Contribution ID: 6

Type: **not specified**

Algebraic Aspects of Linear PDEs

Monday 14 July 2025 17:00 (1 hour)

Presenter: SATTELBERGER, Anna Laura

Contribution ID: 7

Type: **not specified**

Wall crossing structure from quantum phenomena to Feynman integrals

Monday 14 July 2025 18:00 (30 minutes)

Presenter: MASSIDDA, Anthony

Contribution ID: 8

Type: **not specified**

Introduction to the Theory of Feynman Integrals

Tuesday 15 July 2025 09:00 (2 hours)

Presenter: TANCREDI, Lorenzo

Contribution ID: 9

Type: **not specified**

Gravitational Waves: the (Quantum) Field Theory Approach

Tuesday 15 July 2025 11:30 (1 hour)

Presenter: PORTO, Rafael

Contribution ID: **10**

Type: **not specified**

Gravitational Waves: the (Quantum) Field Theory Approach

Tuesday 15 July 2025 14:30 (1 hour)

Presenter: PORTO, Rafael

Contribution ID: 11

Type: **not specified**

Machine Learning for Theoretical Particle Physics

Tuesday 15 July 2025 15:30 (1 hour)

Presenter: WILHELM, Matthias

Contribution ID: 12

Type: **not specified**

Feynman Integral Reduction using Syzygy-Constrained Symbolic Reduction Rules

Tuesday 15 July 2025 17:00 (30 minutes)

Presenter: SMITH, Sid

Contribution ID: 13

Type: **not specified**

Polynomial Division and Elimination Theory Over Finite Fields

Tuesday 15 July 2025 18:00 (30 minutes)

Presenter: CRISANTI, Giulio

Contribution ID: 14

Type: **not specified**

Algebraic Aspects of Linear PDEs

Thursday 17 July 2025 09:00 (2 hours)

Presenter: SATTELBERGER, Anna Laura

Contribution ID: 15

Type: **not specified**

Machine Learning for Theoretical Particle Physics

Thursday 17 July 2025 11:30 (1 hour)

Presenter: WILHELM, Matthias

Contribution ID: **16**

Type: **not specified**

Machine Learning for Theoretical Particle Physics

Thursday 17 July 2025 14:30 (1 hour)

Presenter: WILHELM, Matthias

Contribution ID: 17

Type: **not specified**

Gravitational Waves: the (Quantum) Field Theory Approach

Thursday 17 July 2025 15:30 (1 hour)

Presenter: PORTO, Rafael

Contribution ID: **18**

Type: **not specified**

Gravitational Waves: the (Quantum) Field Theory Approach

Thursday 17 July 2025 17:00 (1 hour)

Presenter: PORTO, Rafael

Contribution ID: 19

Type: **not specified**

Analytic Gravitational Waveforms in General Relativity from Scattering Amplitudes

Thursday 17 July 2025 18:00 (30 minutes)

Presenter: BRUNELLO, Giacomo

Contribution ID: 20

Type: **not specified**

Modelling vector borne diseases and control measures

Friday 18 July 2025 09:00 (1 hour)

Presenter: CRISANTI, Andrea

Contribution ID: 21

Type: **not specified**

Unnatural selection modelling and implementation of gene drive

Friday 18 July 2025 10:00 (1 hour)

Contribution ID: 22

Type: **not specified**

Machine Learning for Theoretical Particle Physics

Friday 18 July 2025 11:30 (1 hour)

Presenter: WILHELM, Matthias

Contribution ID: 23

Type: **not specified**

Machine Learning for Theoretical Particle Physics

Friday 18 July 2025 14:30 (1 hour)

Presenter: WILHELM, Matthias

Contribution ID: 24

Type: **not specified**

Algebraic Aspects of Linear PDEs

Friday 18 July 2025 15:30 (1 hour)

Presenter: SATTELBERGER, Anna Laura

Contribution ID: 25

Type: **not specified**

Short Talk

Contribution ID: 26

Type: **not specified**

Gluings via Intersection Theory

Friday 18 July 2025 17:00 (30 minutes)

Presenter: SCHERDIN, Tobias

Contribution ID: 27

Type: **not specified**

TBA

Friday 18 July 2025 17:30 (30 minutes)

Presenter: PEGORIN, Matteo

Contribution ID: **28**

Type: **not specified**

Short Talk

Contribution ID: 29

Type: **not specified**

Public Lecture – Riscrivere le regole dell'ereditarietà: la genetica contro le malattie trasmesse dagli insetti

Thursday 17 July 2025 21:00 (1 hour)

Presenter: CRISANTI, Andrea

Contribution ID: 30

Type: **not specified**

Computing three-loop master integrals for the production of two off-shell vector bosons

Tuesday 15 July 2025 17:30 (30 minutes)

Presenter: CANKO, Dhimiter

Contribution ID: 31

Type: **not specified**

Two-loop integrals for top-pair production plus a W boson

Wednesday 16 July 2025 09:00 (30 minutes)

Presenter: POZZOLI, Mattia

Contribution ID: 32

Type: **not specified**

D-modules of Feynman Integrals

Wednesday 16 July 2025 09:30 (30 minutes)

Presenter: FLIEGER, Wojciech