

Data Science Applications in Physics, Winter School in Tirana 2025

Report of Contributions

Contribution ID: 1

Type: **not specified**

Students' registration

Monday 27 January 2025 11:45 (15 minutes)

Contribution ID: 2

Type: **not specified**

Opening / welcoming speech

Monday 27 January 2025 12:00 (5 minutes)

Presenter: Prof. KALLUCI, Eglantina (Dean of the Faculty of Natural Sciences)

Contribution ID: 3

Type: **not specified**

Optical and Interferometric Methods for Material Characterization and Dimensional Analysis

Monday 27 January 2025 12:30 (1h 30m)

Presenter: Prof. PAPPALETTERA, Giovanni (Politecnico di Bari & INFN Bari, Italy)

Contribution ID: 4

Type: **not specified**

Hands on: Introduction to Machine Learning

Monday 27 January 2025 14:30 (1h 30m)

Presenter: Prof. CALABRIA, Nicola Fulvio (Dipartimento Interateneo di Fisica "M. Merlin", Politecnico di Bari)

Contribution ID: 5

Type: **not specified**

Optical Wavefront Shaping and its applications in photonics, imaging and biomedical technologies

Tuesday 28 January 2025 10:00 (2 hours)

Presenter: Dr GJONAJ, Bergin (Politecnico di Bari & INFN Bari, Italy)

Contribution ID: 6

Type: **not specified**

Machine learning approaches for neutrino physics

Tuesday 28 January 2025 12:30 (1h 30m)

Presenter: Prof. CALABRIA, Nicola Fulvio (Dipartimento Interateneo di Fisica "M. Merlin", Politecnico di Bari)

Contribution ID: 7

Type: **not specified**

Machine learning applications for the future circular collider project at CERN

Wednesday 29 January 2025 10:00 (2 hours)

Presenter: Prof. DE FILIPPIS, Nicola (Politecnico di Bari & INFN Bari, Italy)

Contribution ID: 8

Type: **not specified**

Hands on: Introduction to Deep Learning for HEP

Wednesday 29 January 2025 12:30 (1h 30m)

Presenter: DE FILIPPIS, Nicola (Politecnico/INFN Bari (IT))

Contribution ID: 9

Type: **not specified**

Dosimetry of Medical Linear Acceleration

Thursday 30 January 2025 10:00 (45 minutes)

Presenter: Dr TELHAJ, Ervis (Hygeia Hospital Tirana ·Department of Medical Physics)

Contribution ID: **10**

Type: **not specified**

Opening speech

Italian Embassy Representative

Contribution ID: 11

Type: **not specified**

Opening / welcoming speech

Monday 27 January 2025 12:05 (5 minutes)

Presenter: Prof. XHIXHA, Gerti (Head of the Department of Physics)

Contribution ID: 12

Type: **not specified**

Opening / welcoming speech

Monday 27 January 2025 12:10 (10 minutes)

Presenter: Dr RUGGERA, Alessandro (Director of the Italian Cultural Institute in Tirana)

Contribution ID: 13

Type: **not specified**

Opening / welcoming speech

Monday 27 January 2025 12:20 (10 minutes)

Presenter: Dr ALIAS (Delegate of the Italian Ambassador in Tirana)