

End of Year Seminars

Report of Contributions

Contribution ID: 1

Type: **not specified**

Classification of Quantum Cellular Automata

Wednesday, 17 September 2025 09:00 (30 minutes)

Presenter: PIZZAMIGLIO, ANDREA

Session Classification: Morning Session (day 1)

Contribution ID: 2

Type: **not specified**

Smart BNCT Planning: When Artificial Intelligence Meets Radiobiology

Wednesday, 17 September 2025 09:30 (30 minutes)

Presenter: PEZZI, CRISTINA

Session Classification: Morning Session (day 1)

Contribution ID: 3

Type: **not specified**

Bouncing off the wall: quantum fields at the boundary

Wednesday, 17 September 2025 10:00 (30 minutes)

Presenter: COSTERI, BEATRICE

Session Classification: Morning Session (day 1)

Contribution ID: 4

Type: **not specified**

Gaussian boson sampling in frequency and time bins

Wednesday, 17 September 2025 10:45 (30 minutes)

Presenter: BRUSASCHI, EMANUELE

Session Classification: Morning session (day 1)

Contribution ID: 5

Type: **not specified**

A laser-written directional coupler resonator

Wednesday, 17 September 2025 11:15 (30 minutes)

Presenter: PERRUCCIO, LORENZO

Session Classification: Morning session (day 1)

Contribution ID: 6

Type: **not specified**

Precision measurements in High Energy Physics

Wednesday, 17 September 2025 11:45 (30 minutes)

Presenter: CRESTA, TOMMASO

Session Classification: Morning session (day 1)

Contribution ID: 7

Type: **not specified**

The Game of Hadron Physics

Wednesday, 17 September 2025 14:30 (30 minutes)

Presenter: SCHIAVI, ANDREA

Session Classification: Afternoon session (day 1)

Contribution ID: 8

Type: **not specified**

Quantum batteries not included in the package

Wednesday, 17 September 2025 15:00 (30 minutes)

Presenter: RINALDI, DAVIDE

Session Classification: Afternoon session (day 1)

Contribution ID: 9

Type: **not specified**

Discriminating superimposed historical inks exploiting a non-invasive and multi-analytical strategy

Wednesday, 17 September 2025 15:30 (30 minutes)

Presenter: DELLEDONNE, CHIARA

Session Classification: Afternoon session (day 1)

Contribution ID: **10**

Type: **not specified**

On the way to transversity: A PhD Triathlon

Wednesday, 17 September 2025 16:15 (30 minutes)

Presenter: POLANO, LUCA

Session Classification: Afternoon session (day 1)

Contribution ID: **11**

Type: **not specified**

Peering into the proton: insights from theory

Wednesday, 17 September 2025 16:45 (30 minutes)

Presenter: ALVARO, ALESSIO CARMELO

Session Classification: Afternoon session (day 1)

Contribution ID: 12

Type: **not specified**

Combining Carbon Ions radiotherapy and Boron Neutron Capture Therapy: in vitro and in silico preliminary studies

Wednesday, 17 September 2025 17:15 (30 minutes)

Presenter: SOMENZI, ALESSANDRO

Session Classification: Afternoon session (day 1)

Contribution ID: 13

Type: **not specified**

For a safer Hadrontherapy

Thursday, 18 September 2025 09:00 (30 minutes)

Presenter: CASALI, ALICE

Session Classification: Morning session (day 2)

Contribution ID: 14

Type: **not specified**

Exploring diffusion mechanisms and energetics of battery materials

Thursday, 18 September 2025 09:30 (30 minutes)

Presenter: MARTI, LORENZO

Session Classification: Morning session (day 2)

Contribution ID: 15

Type: **not specified**

Precision QED tests at present and future e^+e^- colliders

Thursday, 18 September 2025 10:00 (30 minutes)

Presenter: UCCI, FRANCESCO PIO

Session Classification: Morning session (day 2)

Contribution ID: 16

Type: **not specified**

A Quantum Cellular Automata framework for interacting quantum fields

Thursday, 18 September 2025 10:45 (30 minutes)

Presenter: ROTA, SAVERIO

Session Classification: Morning session (day 2)

Contribution ID: 17

Type: **not specified**

Focusing Delivery Schemes: A comparative analysis for Extreme UltraViolet Ultrafast tabletop ptychography

Thursday, 18 September 2025 11:15 (30 minutes)

Presenter: MAZZARONE, ANTONIO EMANUELE

Session Classification: Morning session (day 2)

Contribution ID: **18**

Type: **not specified**

Shake it until you make it: driving precision in thermometry

Thursday, 18 September 2025 11:45 (30 minutes)

Presenter: TUMBIOLO, EMANUELE

Session Classification: Morning session (day 2)

Contribution ID: 19

Type: **not specified**

$0\nu\beta\beta$ decay searches with the CUORE and CUPID experiments

Thursday, 18 September 2025 14:30 (30 minutes)

Presenter: MANENTI, NICOLA

Session Classification: Afternoon session (day 2)

Contribution ID: 20

Type: **not specified**

The Pion form factor through radiative return method

Thursday, 18 September 2025 15:00 (30 minutes)

Presenter: GHILARDI, MARCO

Session Classification: Afternoon session (day 2)

Contribution ID: 21

Type: **not specified**

ATLAS Trigger and Data Acquisition in the High Luminosity LHC era

Thursday, 18 September 2025 15:30 (30 minutes)

Presenter: SCAGLIONI, RICCARDO

Session Classification: Afternoon session (day 2)

Contribution ID: 22

Type: **not specified**

Picosec: toward a greener detector for the future

Thursday, 18 September 2025 16:15 (30 minutes)

Presenter: BRUNOLDI, MATTEO

Session Classification: Afternoon session (day 2)

Contribution ID: 23

Type: **not specified**

Exploring RNA-seq as a high-throughput approach: Principles, Techniques, and Strategies for Data Analysis

Thursday, 18 September 2025 16:45 (30 minutes)

Presenter: RIANI, CECILIA

Session Classification: Afternoon session (day 2)

Contribution ID: 24

Type: **not specified**

Computational and experimental studies for space radiation and hadrontherapy

Thursday, 18 September 2025 17:15 (30 minutes)

Presenter: CANAY, EZEQUIEL IGNACIO

Session Classification: Afternoon session (day 2)