CURRICULUM VITAE – Vittorio Larotonda

Personal data

Vittorio Larotonda

Born in Melfi, Italy, 25 November 1999

Based in Bologna, Emilia Romagna, Italy

Email : vittorio.larotonda@unibo.it

Phone: +39 340 544 9079

Education

2025 – Currently Visiting scientist, Instituto de Física Teórica UAM/CSIC, Madrid.

2023 – Currently PhD Student in Theoretical Physics, *Alma Mater Studiorum* - Università di Bologna, Bologna.
Supervisor: Ling Lin
Co-supervisor: Michele Cicoli

2021 – 2023 Master of Science in Theoretical Physics, Università degli studi di Torino, Turin.
Magna cum Laude.
Thesis title: "Anomaly inflow in non-supersymmetric String Theories"

Supervisors: Carlo Angelantonj, Ivano Basile.

Thesis in formal theoretical physics done at LMU with the collaboration of Max Planck Institute.

2022 – 2023 Eramus+ student in Theoretical Physics, Ludwig-Maximilians-Universität München, Munich.

2018 – 2021 Bachelor in Physics, Università degli studi di Torino, Turin.
Magna cum Laude.
Thesis title: "Derivation of the complete equations of second order viscous hydrodynamics from the kinetic theory"

Supervisors: Marco Panero, Andrea Beraudo.

Theoretical thesis in collaboration with Istituto Nazionale di Fisica Nucleare.

2018 - 2023 Student of Collegio di Merito "R.Einaudi", Turin.
Merit university college where I have to attend to 70 hours of extra-courses per academic year.

2013-2018 Scientific Liceum "Giustino Fortunato", Rionero in Vulture.
High school diploma, vote: 100/100 cum laude.

Given seminars and talks

2025 SPLE talk, Istituto de Fisica Teorica UAM-CSIC, Madrid
Title: "Non-supersymmetric branes and discrete topological terms"

2025 Regular String Seminar, Università degli Studi di Milano, Milano
Title: "Anomaly Inflow and the Gauge Group Topology in the 10d Sugimoto String Theory"

2024 Parallel talk, String Phenomenology, Padova
Title: “Chiral anomalies and their implications in 10d non-supersymmetric sp(16) gauge theories”

2024 Journal Club, University of Bologna, Italy
Title: “Anomaly Inflow in non-supersymmetric String Theories”

2023 Lunch seminar, Max Planck Institute, Germany
Title: “Fake supersymmetry with tadpole potentials”

Other training

2024 XX Avogadro Meeting on Strings, Supergravity and Gauge Theories, Napoli

2024 WISPs in String Cosmology, Bologna

2024 W.E Heraeus Summer School “Saalburg” on “Fundations and new methods in Theoretical Physics”, Bayrischzell

2024 String Phenomenology, Padova

2024 Swamplandia – in Bavaria, Munich

2024 Strings & Geometry, DESY, Hamburg

2023 LACES – Lezioni avanzate di campi e stringhe, Galileo Galilei Institute, Firenze
PhD School on various topics in Formal Theoretical Physics.

2023 ASC School, “The Quantum Gravity Swampland and its consequences for the observable world”, Arnold Sommerfeld Centre, Munich

2023 Sommerfeld Theory Colloquim, Arnold Sommerfeld Centre, Munich
Title: "Constraints on Quantum Gravity”, relator: H. Ooguri

2023 ASC Colloquium, Arnold Sommerfeld Centre, Munich
Title: "Positivity constraints on theory space”, relator: L. Rastelli

2023 Fields&Strings, Max Planck Institute for Physics, Munich
Title: “The Dark Dimension”, relator: M. *Montero*

2022 Winter School on Supergravity, Strings and Gauge Theory, CERN.

2017 Stage in Mathematics, Scuola Superiore di Catania, Catania.
Mathematics Internship offered in the occasion of the National Mathematics Olympiad.

Prizes

2022 Awarded of the Start Stem scholarship.

2019 – 2021 Winner for three years of the “Giovanni Garavelli” study prize.
Study prize offered by Collegio di Merito “R. Einaudi” to the most deserving student.

2016-2017 First Place in the regional Mathematics Olimpic Games

“Olimpiadi della matematica”.

Professional experiences

2024 Alma Mater Studiorum - Università di Bologna, Academic Tutor
Lecturer for the tutorial sessions of the corses Calculus II (A-L) and (L-Z)

2021 Qui si Risolve, Author in collaboration, Rome.
Activity focused on the didactic explanation of Physics exercises.

2020 – 2021 Università degli Studi di Torino, Tutor, Turin.

2021 Private lessons.
Private lessons at university level of Analysis I and General Physics

2017 Tour guide, IIS G. Fortunato.
Guide at the exhibition of physics experiments.

Languages

Italian mother tongue

English level: B2

Spanish level: B1

French level: A2

German level: A1

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