

LORENZO GIANNELLI

Education

- 2018-2021 **MSc IUSS License in Science and Technology Class, IUSS, Pavia (Italy)**
Average 28.6/30, 2 honours
Final grade: 100/100
IUSS (University School for Advanced Studies) is a research institute of higher education, where selected students are enrolled in an interdisciplinary program which allows them to develop a broad variety of analytical and research skills
- 2018-2020 **MSc in Theoretical Physics, University of Pavia, Pavia (Italy)**
Average 29.6/30, 5 honours
Final grade: 110/110 cum laude
Thesis: "Bit Commitment in Operational Probabilistic Theories"
Supervisors: Prof. Giacomo Mauro D'Ariano and Doctor Alessandro Tosini
- 2015-2018 **BSc IUSS License in Science and Technology Class, IUSS, Pavia (Italy)**
Average 29.0/30, 1 honour
Final grade: Top Score
- 2015-2018 **BSc Degree in Physics, University of Pavia, Pavia (Italy)**
Average: 28.8/30, 2 honours
Final grade: 110/110 cum laude
Thesis: "Information-Disturbance Trade-Offs in Quantum Theory"
Supervisor: Prof. Giacomo Mauro D'Ariano
- 2010-2015 **Liceo Scientifico G. Galilei, Poppi (Italy)**
Final grade: 100/100

Research and Academic Experience

- March-Nov 2018 **MSc thesis at University of Pavia, P.I.: G.M. D'Ariano, Pavia (Italy)**
Study of bit commitment protocol in operational probabilistic theories
- Oct 2017 **Particle and Astroparticle Autumn Program, INFN (National Institute of Nuclear Physics) and Gran Sasso National Laboratories, Rome and L'Aquila (Italy)**
Attendee at an international conference organised by the Italian National Association of Physics Students
- July-Aug 2017 **Academic Visitor Student at CERN, P.I.: C. Riccardi, Geneve (Switzerland)**
Evaluation of aging effects on GEM detectors for CMS experiment and implementation of GEM detector software in the general control system

Publication

- Jan 2021 MSc thesis (<https://arxiv.org/abs/2101.09171>), article in preparation

Leadership, Coordination and Working Experiences

- Dec 2020 High school teacher
- 2018-2020 Elected Alumni Representative of Collegio Ghislieri (member of the council board)
- 2019 Classical Mechanics Course **Tutor**
- 2018-2019 General Physics Course for Medical Students **Tutor**
- 2016-2019 Co-organizer of the Science Festival "IndiScienza" by Associazione Studentesca Ghislieri-Scienza
- December 2018 **Swap** (inter-collegiate events and academic talk) attendee with sister college Saint John's Cambridge, UK

Awards, Honours and Fellowships

- 2015-present **Alumno of IUSS, Pavia (Italy)**
5-year scholarship recipient
- 2015-2020 **Alumno of Collegio Ghislieri, Pavia (Italy)**
Collegio Ghislieri is a merit based institution that promotes higher studies. Students are admitted via a highly selective and nation-wide exam
- March 2019 Taiwanese Ministry of Science and Technology Summer Fellowship
- April 2017 Uroboro Association Scholarship for CERN Summer Internship

Language Capabilities

Italian: native

English: IELTS 7.5 (C1 level, administered in April 2021)

Programming

C++: intermediate

Python: intermediate

Matlab: beginner

Extracurricular Experience, Sports and Leisure

Amateur Football Player

- 2018-2020 **Founder and Member of the Council Board of JECO Pavia**
JECO is the junior enterprise of Pavia. It is a no-profit consulting association of university students that joins the european network of junior enterprises
- March 2017 **Sant'Anna Business Game, Pisa (Italy)**
Selected participant at Sant'Anna Business game, two-day competition where students from all over Europe are challenged to solve finance, marketing and business problems