



# Martina Carillo

*Ph.D. candidate*

## Education

- 2020–present **Ph.D. in Accelerator physics**, *University of Rome "La Sapienza"*, Rome, Italy.
- 2017–2020 **Master's Degree in Physics**, *Sapienza Università di Roma*, Rome, Grade – 108/110.
- Physics, High Energy physics, Computer Programming, Mathematical physics, Medical Application.
  - Laboratory experience of Radio Frequency systems, INFN, Frascati (Rome)
- 2013–2017 **Bachelor's Degree in Physics**, *Sapienza Università di Roma*, Rome.
- Mathematics, Physics, Optics, Electronics, Computer Programming (C language), Quantum Mechanics, Relativistic Mechanics, Fluidodynamics, Chemistry, Atmospheric Physics.
- 2014 **Diploma di Maturità**, *Liceo scientifico Cavoure*, Rome.

## Master's Thesis

- Title *Analysis and simulation of cryogenic hybrid C-band photo-injector*
- Supervisor Professor Daniele del Re
- Co-Supervisor Professor Luigi Palumbo
- Description Development of code for simulation and analysis of beam dynamics within RF structure. Physical analysis of beam dynamics.

## Teaching Activities

2020-2021 **Lecture assistant** *Course of Physics I (Mechanics and Thermodynamics)*, for Electronic engineer students held by Professor L.Faillace. "SAPIENZA", UNIVERSITY OF ROME

2020-2021 **Lecture assistant** *Course of Physics (Mechanics, Thermodynamics and Electromagnetism)*, for Gestional engineer students held by Professor R.Li Voti. "SAPIENZA", UNIVERSITY OF ROME

## Courses and Stages

Jan-Feb 2021 **Joint Univeristies Accelerator School (JUAS), Course on Particle Accelerator**, *European Scientific Insitute, Archamps, France*

## Attended Conference

May 2021 **IPAC 2021- onlie conference**, *Three-Dimensional Space Charge Oscillations in a Hybrid Photoinjector* Poster Oral presentatio

## Computer skills

Basic C++

Advanced C, Python, Matlab, Office

## Languages

English Advanced

Italian Mother tongue

## Interests

- Sport
- Traveling
- Tutoring