

# Niccolò Cocciaglia

## EDUCATION

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- High School Diploma**, Grade: 100/100 Sep. 2011 – July 2016  
Liceo Scientifico F. Masci Chieti, Italy
- B.Sc. in Physics**, Grade: 110/110 *cum laude* Sep. 2016 – Oct. 2019  
La Sapienza University Rome, Italy
- Thesis: “Modello di Thomas-Fermi”
  - Advisors: Prof. Paolo Postorino, Dr. Francesca Ripanti
- M.Sc. in Theoretical Physics**, Grade: 110/110 *cum laude* Sep. 2019 – Oct. 2021  
La Sapienza University Rome, Italy
- Thesis: “Thermalization without chaos: study of *random* modes in the harmonic chain”
  - Advisors: Prof. Angelo Vulpiani, Dr. Giacomo Gradenigo
- Ph.D. in Physics** Nov. 2021 – Ongoing  
La Sapienza University Rome, Italy
- Scholarship funded by La Sapienza University

## TEACHING EXPERIENCE

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- **Tutor** for the course *Physics 1 with Laboratory* of the B.Sc. degree in Electronic and Telecommunications Engineering, La Sapienza University Mar. 2022 – May 2022  
*Frontal lessons in classroom, solving Mechanics and Thermodynamics exercises; assistance to students during Laboratory practices*

## EXTRACURRICULAR ACTIVITIES

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- Independent tutoring for high school students Occasionally  
*Private lessons of mathematics and physics: support in the understanding of specific topics, help with exercises, preparation for written and oral tests*
- Co-operation Scholarship, Library of Physics Department Jan. 2019 – Dec. 2019  
*Front-Desk services: book lending, archive consultations, management of public computers*
- Co-operation Scholarship, Electronics Laboratory of Physics Department Sep. 2020 – Dec. 2020  
*Preparation of instrumentation and components needed for laboratory practices, assistance to students of B.Sc. during laboratory practices*

## ATTENDANCE TO SCHOOLS AND CONFERENCES

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- Spring College in the Physics of Complex Systems Feb. 21st 2022 – Mar. 18th 2022  
*ICTP, Trieste (held online)*

## AWARDS

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- “Achievement of the Diploma with maximum score”  
from Liceo Scientifico F. Masci Dec. 2016
- “Excellence Programme” of the Bachelor’s degree Jan. 2018 - Oct. 2019

## SKILLS

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- **Programming Languages:** C (good knowledge),  
Phyton (basic knowledge)
- **Other Computer Knowledges:** R, LaTeX,  
Gnuplot, Microsoft Office, numerical simulations and  
data visualization

## LANGUAGES

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- **Italian:** mother tongue
- **English:** good written and oral knowledge, both  
colloquial and academic
- **French:** basic knowledge

## PUBLICATIONS

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- [1] **N. Cocciaglia**, G. Gradenigo, and A. Vulpiani, “Thermalization without chaos in harmonic systems”,  
*Physica A: Statistical Mechanics and its Applications*, vol. 601, p. 127581, 2022.