


PERSONAL INFORMATION

Lorenzo Savino

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WORK EXPERIENCE

March 2022 – June 2022 **Tutor - Physics 1 (Statistics)**Rome, IT Department of Chemistry, Sapienza.
Tutor for physics 1 exam (B. Sc in Chemistry).July 2021 – September 2021 **Tutor - Sapienza Math OFA**Rome, IT Department of Mathematics of Sapienza University of Rome
Revision of the Sapienza online OFA (obblighi formativi aggiuntivi) platform.November 2021– June 2021 **Tutor - INFN Lab2Go project**Rome, IT Sapienza and INFN (Istituto Nazionale di Fisica Nucleare)
Project in collaboration with the high schools (Licei) of Rome, whose goal is to bring students closer to the world of physics through experiences, lessons and enhancement of the museum heritage of the respective schools.

EDUCATION AND TRAINING

November 2021 – Present **PhD student at Sapienza SBAI department**Rome, IT Phd in mathematical models for engineering, electromagnetism and nanosciences at "Scienze di Base Applicate all'Ingegneria" department, Sapienza University of Rome
Research project: Innovative targets for laser-driven thermonuclear fusion energy: models, simulation, scaled-down experiments
Tutor: S. Atzeni in collaboration with University of Rochester USAJuly 2022 **Summer school "Plasmas in Super-Intense Laser Fields"**

Erice, IT Organized by EUROFUSION, Université de Bordeaux, Politecnico di Milano, ENSURE project, HB11, ELI beamlines and ALP.

March 2022 **Course: Parallel computing with MPI and OPENMP**

IT CINECA (PRACE partner), certificate ID: 409D4A50

November 2021 **Course: Fortran for Scientific computing**

IT CINECA (PRACE partner), certificate ID: 3B8A2830

September 2019 - September 2021 **Master Degree in Physics**Rome, IT Department of Physics, Sapienza university of Rome
Curriculum: Particle physics
Title: Studio di target innovativi per la fusione inerziale via Laser.
Thesis Advisor: S. Atzeni | Collaboration with university of Rochester NY, USA
Final grade : 107/110

- June 2021 **Summer school on energy**
IT Course 6 - Joint EPS-SIF International School on Energy Energy Innovation and Integration for a Clean Environment
- 2014–2019 **Bachelor Degree in Physics**
Rome, IT Department of Physics, Sapienza university of Rome
Curriculum: physics
Title: Il filtro ottimo applicato all'esperimento CUORE
Thesis Advisor: M. Vignati
- 2009–2014 **Scientific high school diploma**
Naples, IT Liceo Calamandrei
Final grade : 100/100
- 2014 **Masterclass in crystallograph**
Naples, IT Department of Physics, Federico II university
- 2013 **Masterclass in Particle physics**
Naples, IT Department of Physics, Federico II university
- November 2012 **English intensive school**
London, UK Bell Centers
- 2012 **"Lauree Scientifiche" Project in mechanics and thermodynamics**
Naples, IT Department of Physics, Federico II university

ACHIEVEMENTS AND AWARDS

- 2021 **Best Communication**
IT 107th SIF (Società Italiana di Fisica) National congress
Award: Free publication on " Il Nuovo Cimento C"
- 2013 **Gaetano Balzano philosophy award**
Naples, IT 2nd classified
- 2013 **Publication of two short novels**
IT titles: "Lost in his mind" and "baby story of DNA"
book: Merk-Serono award book "la scienza narrata 2013".
- 2012 **Publication of a short novel**
IT title: "Yuri Gagarin"
book: Merk-Serono award book "la scienza narrata 2012".
- 2012 **EU PON scholarship**
London, UK One month scholarship for intensive course at Bell centers in London.

PERSONAL SKILLS

Driving licence B

Mother tongue Italian

Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	C1	C1
English Certificates: PET, B2+ British Council					
French	A2	A2	A1	A1	A2

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
[Common European Framework of Reference for Languages](#)

Digital competences

SELF-ASSESSMENT				
Information Processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

[Digital competences - Self-assessment grid](#)

Computer skills

- Programming languages: C, C++, Fortran, Python
- Others: Parallel computing (MPI and OPENMP), ROOT, Bash, \LaTeX , gnuplot (et similia).
- programs: Office, Inkscape, Nitro (pdf manipulation) (et similia).

WORKSHOPS

2021 **16th DFI Direct Drive Fast Ignition**
 Participant ELI Beamlines, 22-24 March 2021.

CONGRESS

2021 **107th SIF (Società italiana Di Fisica) Congress**
 Oral contribution Italy, 13-17 September 2021.

PUBLICATIONS

- [1] L. Savino et al. "Studies on dynamical shell formation for direct-drive laser fusion". In: *nuovo Cimento C*.
- [2] L. Savino et al. "Studies on dynamical shell formation for direct-drive laser fusion". In: *Atti del 107 congresso SIF*.
- [3] I. Igumenshchev et al. "Dynamic Shell Stability to Low-Mode Perturbations". In: *63rd Annual Meeting of the APS Division of Plasma Physics*. Vol. 66. Pittsburgh, PA.

EN: In compliance with the Italian legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document.

Intended for publication.

IT: Autorizzo il trattamento dei miei dati personali presenti nel curriculum vitae ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 e del GDPR (Regolamento UE 2016/679).

Ai fini della pubblicazione.

F.TO/Signed

Lorenzo Savino