

**PERSONAL INFORMATION** **Lorenzo Savino**

[REDACTED]  
[REDACTED]

**WORK EXPERIENCE**

**November 2021 – Present** **PhD student Sapienza at 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 USA

**July 2021 – September 2021** **Sapienza OFA Tutor (math section)**  
Rome, IT Department of Mathematics of Sapienza University of Rome  
Revision of the Sapienza online OFA (obblighi formativi aggiuntivi) platform.

**November 2021– June 2021** **INFN Lab2Go project Fellow**  
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** **Course: Fortran for Scientific computing**  
IT CINECA (PRACE partner)

**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 107<sup>th</sup> SIF (Società Italiana di Fisica) National congress  
Award: Free publication on " Il Nuovo Cimento C"

**2013 Gaetano Balzano philosophy award**

Naples, IT 2<sup>nd</sup> 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**

Mother tongue Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	C1	C1
	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: ROOT Cern, Bash, L<sup>A</sup>T<sub>E</sub>X, gnuplot et simila.
  - programs: Office, Inkscape, Octave

## WORKSHOPS

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

2021 **Fusione a confinamento inerziale**  
Uditor ENEA Frascati, 10 november 2021.

Driving licence B

## PUBLICATIONS

- [1] L. Savino et al. "Studies on dynamical shell formation for direct-drive laser fusion". In: *nuovo Cimento C*. In PUBLICATION.
- [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.

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).  
Al fine della pubblicazione.

F.to Lorenzo Savino