

Luca Giunti, PhD

🇮🇹 Italian, 1993 🏠 Torino, Italy ✉️ luca.giunti.phd@gmail.com ☎️ (+39) 333 334 338 9 👤 [GitHub](#), [LinkedIn](#)

I am a PhD astrophysicist with 4+ years of hands-on experience in scientific software development and data analysis, looking forward to transfer my competences to the private sector. As a former scientist I bring key skills such as critical thinking, creativity, clear communication, autonomy as well as positive teamwork habits. I am by nature an extremely fast learner, with a proven track record as scientific programmer and lead paper author within large international collaborations.

EXPERIENCE

PostDoc researcher in High Energy Astrophysics **Dec 2021 — Dec 2022**
Centre National de la Recherche Scientifique (CNRS) *Paris, France*

- Software development for high-energy Astrophysics (Python)
- Advanced scientific data analysis
- Teaching, mentoring and theses supervision

PhD in Physics of the Universe **Nov 2018 — Nov 2021**
Université Paris-Cité *Paris, France*

- Thesis: [The Galaxy beyond TeV energies with H.E.S.S. and CTA](#)
- Development and application of new data modeling techniques
- Lead project management and first paper authorship

ACHIEVEMENTS

Software development

I have been for 4 years a developer of [GammaPy](#), an open-source Python package for high-energy Astronomy that has been recognized with the [Jury Prize at the 2022 Open Science Awards for Open-Source Research Software](#) and [selected as the official software tool for the major next-generation international gamma-ray observatory](#).

Publications

- Selected (Corresponding author): [HESS Collaboration 2021](#), [HESS Collaboration 2022](#), [CTA Consortium 2023](#)
- Comprehensive list: [ORCID](#)

Public speaking

International conferences (selected contributions): [ICRC-2021](#), [9th Fermi Symposium](#), [Gamma-2022](#)

EDUCATION

Master degree in Theoretical Physics (110/100 cum laude) **Dec 2015 – Oct 2018**
Università degli Studi di Torino *Torino, Italy*

Erasmus+ exchange program in Astroparticle Physics **Sep 2016 — Apr 2017**
Universitat de Valencia *Valencia, Spain*

Bachelor degree in Physics (110/100 cum laude) **Dec 2015 — Oct 2015**
Università degli Studi di Torino *Torino, Italy*

SKILLS

Programming languages	Python (Numpy, Matplotlib, Pandas, Scikit-learn), Bash, SQL
Dev tools	GitHub, Jupyter notebook, Pycharm, MySQL Workbench
Competences	Data analysis, Object-oriented programming, Scientific writing, Public speaking
Languages	Italian (Mother-tongue), English, French, Spanish (Full working proficiency)

INTERESTS

I am a passionate musician and rock climber having a strong connection with Nature and love for outdoor activities.