

Luca Prudenzi | Curriculum Vitae

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Student at the second year in Astrophysics master's course at the University of Milan-Bicocca. My research interests include parameter estimation for compact binary coalescence signals and multimessenger astronomy

Personal information

Birth date: 10th June 1994

Present position: Astrophysics department, Milan-Bicocca

Citizenship: Italy, EU

Personal webpage: <https://lucaprudenzi.github.io/>

Education

Università degli studi di Milano Bicocca

Master's degree in Physics, Milan, Italy

2017–now

- *Final degree grade:* in fieri (expected 110/110 with distinction)
- *Thesis:* Gravitational wave parameter estimation in the multimessenger era
- *Thesis advisors:* Monica Colpi, Walter del Pozzo, Om Sharan Salafia

Università degli studi di Milano Bicocca

Bachelor's degree in Physics, Milan, Italy

2013–2017

- *Final degree grade:* 110/110 with distinction ("cum laude")
- *Thesis:* The gravitational wave signal from coalescing binary black holes in the PN approximation
- *Thesis advisor:* Monica Colpi

Projects

- Interactive 3D simulation of compact binary coalescence in ThreeJS (prepared for didactical astrophysical stand at MeetMeTonight 2018), <https://lucaprudenzi.github.io/BinaryGW/>
- Interactive 3D conversion of Euler angles that describes a gravitational wave source from geocentric reference frame to interferometer reference frame, made with Asymptote, and associated SNR, <https://github.com/lucaprudenzi/SNR>
- Interactive 3D tour of radio telescopes that observed GW170817 jet emission, made with ThreeJS <https://github.com/lucaprudenzi/TelescopeTour>

Skills

Programming languages: Python, C++, JavaScript, Bash

Other: LALInference, PyCBC, Bilby, Bayestar, LaTeX, Git

Languages: English (fluent), Italian (native)