



# Paolo Cremonese

PostDoc Researcher

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## About me

I am a PostDoc researcher at the Universitat de les Illes Balears, in Palma, Spain. I work on gravitational lensing of gravitational waves. I am passionate about technologies, data analysis, travelling and learning new things. Like, for example, how to create a website! You can find it at [paolocremonese.com](#), with more information about me.

## Skills

- |                                 |                |
|---------------------------------|----------------|
| Python                          | MacOS          |
| Linux                           | Mathematica    |
| L <sup>A</sup> T <sub>E</sub> X | Slurm          |
| Git                             | Apple Keynotes |
| HTML/CSS                        |                |

## Languages

- Italian - Mother Tongue
- English - Fluent
- Spanish - Basics
- Polish - Very Basic

## Interests

- Gravitational Waves & Lensing
- Data Analysis
- Finance and Investments
- Sports, Books & Piano.

## Projects

Coming soon.

## Work Experience

- |         |   |                   |
|---------|---|-------------------|
| Current | PostDoc Researcher<br>Member of LIGO collaboration.<br>Working on Lensing of Gravitational Waves  | UIB, Palma, Spain |
| 2018    | Internship as Data Scientist<br>I worked in a group developing methods and knowledge on how to record and elaborate different type of data, from meteorological to industrial | DBA Group, Italy  |

## Education

- |      |  |                   |
|------|--|-------------------|
| 2022 | Ph.D. in Physics<br>Gravitational lensing of Gravitational Waves | Szczecin, Poland  |
| 2017 | M.Sc. in Astronomy   | Padua & Stockholm |
| 2015 | B.Sc. in Astronomy   | Padua             |

## Main Publications

- #4 Characteristic features of Gravitational Wave lensing as probe of lens mass model
- #3 Breaking the mass-sheet degeneracy with gravitational wave interference in lensed events
- #2 High accuracy on H measurements from gravitational wave lensing events
- #1 The lensing time delay between gravitational and electromagnetic waves

The complete list at [inspirehep.net](#)

## Mentions

- #2 Top ArXiv papers from week15, 2021 - S.Vagnozzi Linktoarticle
- #1 Constraining the Hubble Constant with Lensed Gravitational Wave Events - K. Shin - 2019 - Link to article

## Main Conferences

### Talks & Posters

- “Wave-optics in Gravitational Waves lensed events” @ UIB Relativity and Gravity group seminar, 2021/11
- Presented paper #3 @ GWverse, 2021/09; Gravitex 2021, 2021/08; COSMO ’21, 2021/08; Amaldi 14, 2021/07 Cosmology from Home, 2021/07; Ibericos 2021/04
- Presented paper #2 @ Cosmoc controversies, 2019/10
- Member of organizing committee @ The 6th Conference of the Polish Society on Relativity, 2019/09

### Participation

LVK meeting, 2023/03 - 12<sup>th</sup> Iberian Gravitational Waves Meeting, 2022/06 - The 16<sup>th</sup> Iberian Cosmology Meeting, 2022/05 - XIV Tonale Winter School on Cosmology, 2021/12 - 4<sup>th</sup> Azores school on Observational Cosmology, 2021/09 - GW Open Data Workshop #4, 2021/05 - 11<sup>th</sup> Iberian Gravitational Waves Meeting, 2021/06 - Workshop on Gravitational Wave Astrophysics for Early Career Scientists, 2021/05 - First EuCAPT Annual Symposium, May 2021 - Current challenges in gravitational physics, April 2021 - IPARCOS School on Cosmology, 2019/12 - XIII Tonale Winter School on Cosmology, December 2019

The complete list with slides and link to conferences at [paolocremonese.com/CV](#)