

PAOLO CREMONESE

I am a PhD student at University of Szczecin, Poland.

I work on gravitational lensing of gravitational waves.

I am passionate about technologies, data analysis, travelling and learning new things.

Like, for example, hot to create a website! You can find it at paolocremonese.com, with more information about me.



CONTACT

✉ paolo.cremonese@usz.edu.pl

✉ cremonesep25@gmail.com

🏠 paolocremonese.com

🏛️ cosmo.usz.edu.pl/pcremonese

🐦 @paolo_cre

🌐 Paolo Cremonese

📞 0000-0001-6472-8509

📱 @PaoloCremo

SKILLS

Programming

Python

LaTeX

Mathematica

HTML/CSS

C



Operating Systems

Linux

MacOS

Windows



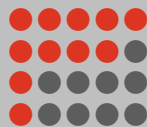
Languages

Italian

English

Spanish

Polish



INTERESTS

Technology

Data analysis

Sports

Travelling

Books

Piano

EDUCATION

📅 2018

📍 University of Szczecin
supervisor: V. Salzano

PhD - Astrophysics

📅 2015 - 2017

📍 Stockholm University -
Università degli studi di Padova

Master's Degree - Astronomy

final result: 110L/100

supervisors: E. Mörtzell & S. Matarrese

Thesis' title: Delay in arrival time between Gravitational Waves and Electromagnetic signal due to Gravitational Lensing

📅 2011 - 2015

📍 Università degli studi di Padova

Bachelor's Degree - Astronomy

final result: 98/100

supervisor: A. Pizzella

Thesis' title: Dark matter in spiral galaxies

PUBLICATIONS

DETAILED LIST ON PAGE 2

- #3 Breaking the mass-sheet degeneracy with gravitational wave interference in lensed events; P. Cremonese, J.M. Ezquiaga, V. Salzano. 2104.07055 - Phys.Rev.D 104 (2021) 2, 023503
- #2 High accuracy on H_0 measurements from gravitational wave lensing events; P. Cremonese, V. Salzano. 1911.11786 - Physics of the Dark Universe Vol. 28, pag. 100517, 2020
- #1 The lensing time delay between gravitational and electromagnetic waves; P. Cremonese, E. Mörtzell. 1808.05886

MENTIONS

Top ArXiv papers from week 15, 2021

👤 S. Vagnozzi

📅 2021

📄 sunnyvagnozzi.com/blog

🔗 [Link to article](#)

Constraining the Hubble Constant with Lensed Gravitational Wave Events

👤 K. Shin

📅 2019

📄 astrobites.org

🔗 [Link to article](#)

WORK EXPERIENCE

📅 Feb.-July, 2018

📍 DBA group, Treviso, Italy

Internship, data scientist

I worked in a group developing methods and knowledge on how to record and elaborate different type of data, from meteorological to industrial.

CONFERENCES & DOCTORAL SCHOOL

COMPLETE LIST ON PAGE 2

Amaldi 14, July 2021 - Cosmology from Home, July 2021 - Workshop on Gravitational Wave Astrophysics for Early Career Scientists, May 2021 - First EuCAPT Annual Symposium, May 2021 - Ibericos 2021, March 2021 - IPARCOS School on Cosmology, December 2019 - Cosmic controversies, October 2019

PUBLICATIONS

Full list of publication can be found (at the links) on ArXiv and on INSPIRE.

Breaking the mass-sheet degeneracy with gravitational wave interference in lensed events

#3

 P. Cremonese, J.M. Ezquiaga, V. Salzano

 2021  Phys.Rev.D 104 (2021) 2, 023503

 [ADS](#), [arXiv](#)

High accuracy on H_0 measurements from gravitational wave lensing events

#2

 P. Cremonese, V. Salzano

 2019  Physics of the Dark Universe Vol. 28, pag. 100517, 2020

 [ADS](#), [arXiv](#)

The lensing time delay between gravitational and electromagnetic waves

#1

 P. Cremonese, E. Mörtzell


 2018

 [ADS](#), [arXiv](#)


CONFERENCES & DOCTORAL SCHOOLS

Presented work

Amaldi 14


 Poster presented based on 2104.07055

 OzGrav & IUPAP


 19-23 July, 2021

 [web-site](#)

Cosmology from Home


 Talk given based on 2104.07055




 5-16 July, 2021

 [web-site](#)

Ibericos 2021


 Talk given based on 2104.07055

 Universidade de Coimbra


 29 March - 1 April, 2021

 [web-site](#)

Cosmic controversies

 Poster presented based on 1911.11786

 University of Chicago

 5-8 October, 2019

 [web-site](#)

The 6th Conference of the Polish Society on Relativity

 Member of organizing committee


 University of Szczecin


 23-26 September, 2019

 [web-site](#)

Participated only


11th Iberian Gravitational Waves Meeting

 Astronomy and Astrophysics Department (DAA) and the Mathematics Department (DM) of the University of Valencia

 9-11 June, 2021

 [web-site](#)

Workshop on Gravitational Wave Astrophysics for Early Career Scientists

 Lorentz Center, Leiden University, the Netherlands

 3-7 May, 2021

 [web-site](#)


First EuCAPT Annual Symposium

 CERN

 5-7 May, 2021

 [web-site](#)

Current Challenges in Gravitational Physics

 INFN - erc - SISSA - ifpU

 21-28 April, 2021

 [web-site](#)

IPARCOS School on Gravitational Waves

 Universidad Complutense de Madrid

 18-20 December, 2019

 [web-site](#)

XIII Tonale Winter School on Cosmology

 Heidelberg University, Theoretical Physics and Astrophysics institutes

 9-13 December, 2019

 [web-site](#)