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

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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
final result: 110L/100
supervisors: E. Mörtsell & S. Matarrese
Thesis' title: Delay in arrival time between Gravitational Waves and Electromagnetic signal due to Gravitational Lensing
Master's Degree - Astronomy

2011 - 2015
Università degli studi di Padova
final result: 98/100
supervisor: A. Pizzella
Thesis' title: Dark matter in spiral galaxies
Bachelor's Degree - Astronomy

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 - submitted to PRD*

#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. Mörtsell*. *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

Workshop on Gravitational Wave Astrophysics for Early Career Scientists, May 2021 - **First EuCAPT Annual Symposium**, May 2021 - **Current challenges in gravitational physics**, April 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 Submitted to PRD 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. Mörtsell

2018 ADS, arXiv

CONFERENCES & DOCTORAL SCHOOLS

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

Ibericos 2021

Talk given based on 2104.07055

Universidade de Coimbra

29 March - 1 April, 2021 web-site

IPARCOS School on Gravitational Waves

Universidad Compultense 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

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 commitee

University of Szczecin

23-26 September, 2019 web-site