

ORNELLA JULIANA PICCINNI

National Institute for Nuclear Physics (INFN) \diamond Sapienza University of Rome

POSITIONS

- Postdoctoral Research Fellow** *June 2020 -*
Amaldi Research Center, Rome, Italy
- Postdoctoral Research Fellow** *February 2018 - January 2020*
Sapienza University of Rome

EDUCATION

- Ph.D in Astronomy, Astrophysics and Space Science** *November 2014 - January 2018*
Joint PhD program between University of Rome Tor Vergata, the Sapienza University of Rome and the National Institute of Astrophysics (INAF).
- Erasmus visiting fellow - Master thesis project** *February 2014 - September 2014*
Max Planck Institute for Gravitational Physics (AEI), Hannover, Germany
- Master's degree in Physics cum laude**
(Theoretical physics curriculum) *November 2012 - October 2014*
Sapienza University of Rome
- Bachelor's degree in Physics cum laude** *October 2009 - November 2012*
Sapienza University of Rome.

RESEARCH GRANTS, AWARDS AND GENERAL GRANTS

† denotes co-recipient with the LIGO-Virgo Scientific collaboration.

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| 2020 - Amaldi Research Center postdoctoral fellowship | INFN |
| 2018 - Postdoctoral fellowship | INFN-EGO |
| 2018 - Research Grant for Early Career Scientist - PI | Sapienza |
| 2017 - † Special Breakthrough Prize in Physics | |
| 2016 - Research Grant for Early Career Scientist - PI | Sapienza |
| 2014 - Ph.D grant | Sapienza |
| 2014 - Erasmus University Fellowship | |
| 2014 - Erasmus regional contribute | LAZIODISU |
| 2012 - Outstanding thesis award | LAZIODISU |
| 2012 - Physics Department Part-time collaboration fellowship (merit based, assigned for 4 years in a row) | |
| 2009 - Regional grant for accomodation and scholarship (merit based, assigned for 5 years in a row) | LAZIODISU |

PUBLICATION METRICS

- h-index = 6, 169 citations** (excluding collaboration papers) adsabs.harvard.edu
h-index = 56, 34k citations (including collaboration papers) Google Scholar

SEMINARS AND TALKS

Searching for continuous gravitational-waves from Galactic neutron stars *Sep. 2019*
 YITP long-term workshop: multi-messenger astrophysics in the gravitational wave era (Yukawa Institute, Kyoto)

A Directed Search For Continuous Wave Signals From The Galactic Center In Advanced LIGO's Second Observing Run *Jul. 2019*
 GR22 and Amaldi13 (Valencia)

A method for directed searches of continuous gravitational waves in advanced detector data *Apr. 2019*
 PHAROS Conference 2019: the multi-messenger physics and astrophysics of neutron stars

The Band-Sampled-Data Collection for the Search of Continuous Gravitational Wave Signals (proceeding) *Sep. 2018*
 EUSIPCO 2018 - European Signal Processing Conference

Searching for continuous gravitational-waves from Galactic neutron stars *Nov. 2017*
 GW170817 - Italian contributions to the dawn of the multi-messenger astronomy (GSSI)

LSC-Virgo collaboration meeting talks *2014–now*
 Search for continuous gravitational waves from supernova remnants in O3a, a BSD update (Nov. 2020)
 Update on O2 Band Sampled Data Galactic center search (Mar. 2019)
 Updated spectral noise tracker: NoEMi 2.0 (Mar. 2019)
 First results of a BSD based method directed search - The Galactic Center (Aug. 2017)
 Update on the Band Sampled Data method (Mar. 2017)
 Band Sampled Data collection to improve CW semi-coherent searches (Aug. 2016)
 Update on the O1 All-Sky search (RDC) (Mar. 2016)
 S6 bucket post-processing (Aug. 2014)

TEACHING AND SUPERVISION

2020 - Tutor of the nuclear and subnuclear physics lab Phys. Dept. Sapienza
2016–2017 - Tutor in Maths courses (OFA) Science faculty Sapienza
 Course for students of the Science Faculty.
2013–2014 - Part-time assistant to laboratory classes Phys. Dept. Sapienza
 Classical Mechanics, Thermodynamics, Optics, Electromagnetism

PUBLIC TALKS AND OUTREACH ACTIVITIES

Fuori Corso: alla scoperta dell'Universo lontano *2016*
 general audience invited talk, Melkweg, Terlizzi (BA).

Onda su onda, il cosmo si rivela *2017*
 general audience invited talk, Centro Culturale Luigi Padovese, Cucciago (CO).

Immagini e suoni dall'universo: 'Un dialogo che apre una nuova era per l'astronomia' *2017*
 general audience invited talk, Centro Culturale Luigi Padovese, Cucciago (CO).

The Science Picnic of Polish Radio and the Copernicus Science Centre *2018*
 INFN – Virgo stand Rep.

Boosting science education at school *2017-2019*
 KA2 Strategic Partnership EU funded project

The Science Zone - active member *2016-now*
 Scientific outreach project and cultural association for the diffusion of science in Schools

OTHER SERVICES

Referee for Classical and Quantum Gravity 2020 -