

M. Almudena Prieto

Senior astronomer
Instituto Astrofísica Canarias, IAC
Dpto. Astrophysics, University of La Laguna, Tenerife
Associate Scientist, University Observatory of Munich [CAST](#)

Research interests

Black Hole accretion
Physics of star formation
Astronomical Instrumentation

Qualifications

1986 M. Sc. Physics, Univ. Complutense Madrid
1989 PhD Physics, Univ. Complutense Madrid

Career path

1986 – 1989 Junior Fellow, VILSPA IUE Observatory of the European Space Agency (ESA)
Co-investigator for the End of Life final Calibration of the LWP camera on board the International Ultraviolet Observatory (IUE)

1989 – 1992 ESA postdoc at the Space Telescope European Coordination Facility, Garching

1992 – 1993 Senior Fellow Consejo Superior Investigaciones Científicas at the X-ray ROSAT group of the Max-Planck Inst. extraterrestrische Physik

1993 – 1996 Instrument scientist at X-ray ROSAT group, Max-Planck Inst. extraterrestrische Physik
Lead, end-of-life calibration ROSAT- PSPC camera

1997 – 1999 Senior Fellow - re-incorporation Spanish researchers abroad, Spain
Science – Ministry of Education, Inst. Astrofísica Canarias
Principal Investigator [ATLANTIS](#) – first Adaptive Optics project for the Gran Telescopio Canarias, GTC

1999 – 2003 Faculty astronomer of the European Southern Observatory, Garching
Lead, VLT Infrared instrumentation service-mode operation

2003 - 2006 Senior astronomer, Max Planck Inst. fuer Astronomie in Heidelberg
Lead, [PARSEC](#) project

2004 – present European Principal Investigator of [FRIDA](#) Adaptive Optics instrument for GTC

2005 – present Lead, [PARSEC](#) project

2006 – present Senior astronomer Inst. Astrofísica Canarias, Univ. La Laguna, Tenerife

2020 – present Associate Scientist, Computational Astrophysics Dpto. [CAST](#), Munich University - Observatory

Students supervised

Jimenez, A., 2022, Univ. Turin
Rodríguez Perdomo, A., 2021, Univ. La Laguna
Perez Cardoma, D. 2020, Univ. La Laguna

Lopez-Lopez, X., 2020, Univ. La Laguna
Lopez, E., 2017, Univ. La Laguna
Fresco, A., 2017, Univ. Barcelona
Reb, L., 2016, Ludwig Maximilian Univ. Munchen
Coira, G., 2016, Univ. La Laguna
Minguez, P., 2016, Univ. La Laguna
Nadonly, K., 2015, Univ. La Laguna
Montes, M., 2013, Univ. La Laguna
Fernandez-Ontiveros, J.A., 2010, Univ. La Laguna
Tristram, K., 2003, Univ. Heidelberg
Klug, M., 1996, Ludwig Maximilian Univ. Munchen

List ADS publications

Personal selection...

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| A novel black hole mass scaling relation based on coronal gas, and its dependence with the accretion disc, Prieto et al. | <u>2022MNRAS.510.1010P</u> |
| The central parsecs of M87: jet emission and an elusive accretion disc, Prieto et al. | <u>2016MNRAS.457.3801P</u> |
| The spectral energy distribution of the central parsecs of the nearest AGN, Prieto et al. | <u>2010MNRAS.402..724P</u> |
| Discovering the local accelerators in the hot spots of radio galaxies, Prieto et al. | <u>2002Sci...298..193P</u> |
| Evidence of anisotropic radiation in NGC 5252, Prieto & Freudling | <u>1993ApJ...418..668P</u> |