

## M. Almudena Prieto

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Senior astronomer Instituto Astrofisica Canarias, IAC  
Associate Scientist, Computational Astrophysics Dpto, University 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 Cientificas, X-ray ROSAT group, Max-Planck Inst. extraterrestriche Physik

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

1997 – 1999 Senior Fellow, Spain Science Ministry of Education, Inst. Astrofisica Canarias  
Principal Investigator [ATLANTIS](#) – first Adaptive Optics project for the Gran Telescopio Canarias, GTC

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

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

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

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

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

2020 – present






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

## Students supervised

Jimenez, A., 2022, Univ. Turin  
Rodriguez 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...

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

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