

## M. Almudena Prieto

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Senior astronomer /Instituto Astrofisica Canarias and Dpto. Astrophysics of the University of La Laguna, Tenerife  
Associate Scientist, University Observatory of Munich

### 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 at the X-ray ROSAT group of the Max-Planck Inst. extraterrestriche Physik

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

1997 – 1999 Senior Fellow - re-incorporation Spanish researchers abroad, 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 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 & University of La Laguna, Tenerife
2020 – present	Associate Scientist, Computational Astrophysics Dpto. <a href="#">CAST</a> , Munich University - Observatory

## Students supervised

Salibur, E., 2023, Univ. Paris-Saclay  
 Cervera, M., 2023, Univ. La Laguna  
 Jimenez, A., 2022, Univ. Turin  
 Rodríguez Perdomo, A., 2021, Univ. La Laguna  
 Pérez Cardoma, D. 2020, Univ. La Laguna  
 López-López, X., 2020, Univ. La Laguna  
 López, E., 2017, Univ. La Laguna  
 Fresco, A., 2017, Univ. Barcelona  
 Reb, L., 2016, Ludwig Maximilian Univ. München  
 Coira, G., 2016, Univ. La Laguna  
 Minguez, P., 2016, Univ. La Laguna  
 Nadon, K., 2015, Univ. La Laguna  
 Montes, M., 2013, Univ. La Laguna  
 Fernández-Ontiveros, J.A., 2010, Univ. La Laguna  
 Tristram, K. 2003, Univ. Heidelberg  
 Klug, M., 1996, Ludwig Maximilian Univ. München

## 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. [2022MNRAS.510.1010P](#)
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 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 particles accelerator 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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