

M. Almudena Prieto

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

Research interests

Black Hole accretion
Physics of star formation
High Angular Resolution 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
Principal Investigator [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. CAST , Munich University - Observatory

Students supervised

Demay, Camille, 2024, Univ. Paris-Saclay
 Marrero, Gonzalo 2024, Univ. La Laguna
 Salibur, E., 2023, Univ. Paris-Saclay
 Cervera, M., 2023, Univ. La Laguna
 Jimenez, A., May 2022, Univ. Turin
 Rodriguez Perdomo, A., 2021, Univ. La Laguna
 Perez Cardoma, D. 2020, Univ. La Laguna
 Lopez-Lopez, X., June 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

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 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

