

M. Almudena Prieto

Senior astronomer, Instituto Astrofísica Canarias, Astrophysics Dpto.,
University La Laguna, Tenerife

Associate Scientist, University Observatory of Munich

Research interests

Black Hole accretion
Nuclear star formation
High Angular Resolution Instrumentation

Qualifications

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

Career path

1986 – 1989	European Space Agency Fellow, VILSPA IUE Observatory Co-Investigator, End of Life final Calibration, LWP camera on board the International Ultraviolet Observatory (IUE)
1989 – 1992	European Space Agency postdoc, Space Telescope European Coordination Facility, Garching
1992 – 1993	Senior Fellow - Spain Research Council, at the X-ray ROSAT observatory, Max-Planck Inst. extraterrestriche Physik
1993 – 1996	Instrument scientist, X-ray ROSAT observatory, Max-Planck Inst. extraterrestriche Physik Lead, End-of-Life calibration ROSAT- PSPC camera
1997 – 1999	Senior Fellow - Spain Ministry for Research, Program Researcher abroad Incorporation, Inst. Astrofísica Canarias Principal Investigator ATLANTIS – first Adaptive Optics instrument for the Gran Telescopio Canarias, GTC
1999 – 2003	Faculty astronomer, European Southern Observatory, Garching Leader, VLT Infrared instrumentation operation, Garching
2003 - 2006	Senior astronomer, Max Planck Inst. fuer Astronomie, Heidelberg Principal Investigator PARSEC project
2004 – present	European Principal Investigator, 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, G. 2024, Univ. La Laguna
Salibur, E., 2023, Univ. Paris-Saclay
Cervera, M., 2023, Univ. La Laguna
Jimenez, A., 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