

M. Almudena Prieto

Senior astronomer
Instituto Astrofísica Canarias, IAC
Dpto. Astrofísica, Univ. La Laguna, Tenerife

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, European Space Agency (ESA)
Co-investigator End of Life final Calibration of the IUE / LWP camera,
International Ultraviolet Observatory

1989 – 1992 ESA postdoc, Space Telescope European Coordination Facility, Garching
1992 – 1993 Senior Fellow Consejo Superior Investigaciones Científicas, Max-Planck
Inst. extraterrestriche Physik, X-ray ROSAT group

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 - re-incorporation Spanish researchers abroad, Spain
Science – Ministry of Education
Principal Investigator [ATLANTIS](#) – first Adaptive Optics proposal for
GTC, Inst. Astrofísica Canarias

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

2003 - 2006 Senior astronomer, Max Planck Inst. fuer Astronomie Heidelberg
2004 – present Spain Principal Investigator [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
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...

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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> |

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