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+ CONTACT

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Nationality Spanish

Date of birth March 26, 1988

+ EDUCATION

2011 - 2015 PhD
Instituto de Astrofísica de Canarias **Advisor:** Alexandre Vazdekis *Studying the outermost regions of elliptical galaxies to constrain their formation*

2010 - 2011 Master's degree in Astrophysics
Universidad de La Laguna **Advisors:** Dr. Ignacio Trujillo & Dr. Johan H. Knapen
Understanding galaxy assembly through deep Spitzer imaging

2006 - 2010 BA in Physics
Universidad de La Laguna **Advisor:** Dr. Cristina Zurita
dx And: spectroscopic study of a dwarf nova

+ PUBLICATIONS

Two new confirmed massive relic galaxies: red nuggets in the present-day Universe

A. Ferre-Mateu, I. Trujillo, **I. Martín-Navarro** et al., MNRAS, 467, 1929 (2017)

The structural and dynamical properties of compact elliptical galaxies

A. Yildirim, R. van den Bosch et al. (incl. **I. Martín-Navarro**), MNRAS accepted, 27

Stellar populations across the black hole mass – velocity dispersion relation

I. Martín-Navarro, J. Brodie, R. van den Bosch et al., ApJL, 831, 11 (2016b)

IMF shape constraints from stellar populations and dynamics from CALIFA

M. Lyubenova, **I. Martín-Navarro** et al. MNRAS, 463, 3220, (2016)

Revisiting the classics: Is [Mg/Fe] a good proxy for galaxy formation time-scales?

I. Martín-Navarro, MNRAS, 456, 104 (2016)

An Overmassive Dark Halo around an Ultra-diffuse Galaxy in the Virgo Cluster

M. Beasley, A. Romanowsky et al. (incl. **I. Martín-Navarro**), ApJL, 819, 20 (2016)

Radial constraints on the Initial Mass Function from TiO features and Wing-Ford band

F. La Barbera, A. Vazdekis et al. (incl. **I. Martín-Navarro**), MNRAS, 457, 1468 (2016)

The massive dark halo of the compact, early-type galaxy NGC 1281

A. Yildirim, R. van den Bosch et al. (incl. **I. Martín-Navarro**), MNRAS, 456, 538 (2016)

Constraints on the evolutionary mechanisms of galaxies from their velocity dispersion

L. Peralta Arriba, M. Balcells et al. (incl. **I. Martín-Navarro**), MNRAS, 453, 704 (2015)

Radial variations in the stellar initial mass function of early-type galaxies

I. Martín-Navarro, F. La Barbera, A. Vazdekis et al., MNRAS, 447, 1033 (2015a)

The initial mass function of a massive relic galaxy

I. Martín-Navarro, F. La Barbera, A. Vazdekis et al., MNRAS, 451, 1081 (2015b)

The stellar initial mass function at $0.9 < z < 1.5$

I. Martín-Navarro, P.G. Pérez-González, I. Trujillo et al., ApJL, 798, L4, (2015c)

IMF-metallicity: a tight local relation revealed by the CALIFA survey

I. Martín-Navarro, A. Vazdekis, F. La Barbera et al., ApJ, 806, 31 (2015d)

Stellar haloes outshine disc truncations in low-inclined spirals

I. Martín-Navarro, I. Trujillo, J.H. Knapen et al., MNRAS, 441, 4, 2809 (2014)

A unified picture of breaks and truncations in spiral galaxies from SDSS and S4G imaging

I. Martín-Navarro, J. Bakos, I. Trujillo, J.H. Knapen et al., MNRAS, 427, 2 1102 (2012)

+ AWARDS

2016 Thesis of the Year Award, Spanish Astronomical Society

+ JOURNAL COLLABORATIONS

2013 - Referee for Astronomy & Astrophysics

2015 - Referee for the Astrophysical Journal

+ SELECTED SEMINARS AND CONFERENCE PRESENTATIONS

How boring can ETGs be?

Groningen, The Netherlands, December 2016 (Invited seminar)

IMF gradients in ETGs

Leiden, The Netherlands, November 2016 (Lorentz Center workshop)

Stellar populations as tracers galaxy evolution

Santa Cruz, USA, August 2016 (Santa Cruz Galaxy Workshop)

Galactic archeology: unearthing the early Universe through stellar populations analysis

Bilbao, Spain, July 2016 (Sociedad Española de Astronomía meeting)

Initial Mass Function: lessons from the integrated light of ETGs

Santa Cruz, USA, July 2015 (FLASH seminar)

Metallicity-driven IMF variations in ETGs

Berkeley, USA, July 2015 (Gal-Form seminar)

IMF and the formation history of massive galaxies

Baltimore, USA, June 2015 (The stellar IMF at low masses workshop)

Unraveling Initial Mass Function variations in early-type galaxies

Tenerife, Spain, June 2015 (European Astronomical Society EWASS meeting)

Initial Mass Function: implications on ETGs evolution

Groningen, The Netherlands, December 2014 (Lunch talk)

A fresh look at the stellar initial mass function

Leiden, The Netherlands, October 2014 (DAGAL workshop)

Radial variations in the stellar initial mass function

Garching, Germany, October 2014 (RASPUTIN: resolved and unresolved stellar populations)

Variations in the stellar initial mass function

Teruel, Spain, September 2014 (Sociedad Española de Astronomía meeting)

NGC 1277: a high-z massive galaxy in the nearby Universe

Innsbruck, Austria, May 2014 (The Evolution of Galaxies in the Local Universe)

Radial variations in the stellar initial mass function of early-type galaxies

Turku, Finland, July 2013 (European Astronomical Society EWASS meeting)

ETGs in the CALIFA survey: their life story through stellar population analysis

Granada, Spain, November 2012 (CALIFA workshop)

Kinematical mapping of the outskirts of elliptical galaxies using the OSIRIS tunable filters at GTC: a novel approach

Valencia, Spain, July 2012 (Sociedad Española de Astronomía meeting)

Breaks and truncations: a unified picture for spiral galaxies

Rome, Italy, June 2012 (European Astronomical Society EWASS meeting)

+ CONFERENCE PROCEEDINGS

Breaks and truncations: a unified picture for spiral galaxies**I. Martín-Navarro**, I. Trujillo, J. Bakos et al. (2013)

Memorie della Societa Astronomica Italiana Supplement, V25, P25

Kinematical mapping of the outskirts of elliptical galaxies using the OSIRIS tunable filters at GTC: a novel approach**I. Martín-Navarro**, A. Vazdekis, A. Bongiovanni et al. (2013)*Highlights of Spanish Astrophysics VII, Proceedings of the X Scientific Meeting of the Spanish Astronomical Society*

+ FELLOWSHIPS

Formación de Personal Investigador grant, 2011-2015. Ministerio de Ciencia y Educación.

Marie Skłodowska-Curie Individual Fellowship (International), 2016, European Commission

+ AWARDED TELESCOPE TIME AS PI

Kinematical properties in elliptical galaxies through absorption line scanning.

GTC-OSIRIS, tunable filters, 30 hours

The origin of the outermost edge of disk galaxies: a spectroscopic approach

GTC-OSIRIS, long-slit, 16 hours
Is Mrk1216 a relic galaxy?

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WHT, long-slit, 4.5 hours

Witnessing the invisible: do baryons and dark matter interact?

GTC-OSIRIS, long-slit, 6 hours

+ OUTREACH ACTIVITIES

La gaveta Astrofísica

Collaboration with El Dia newspaper (2016)

Astronomical nights: weekly outreach talk and guided astronomical observation

Museo de la Ciencia y el Cosmos , La Laguna, Tenerife (2008-2011)

Wonders of the Universe: invited outreach talk

Colegion Nuryana , La Laguna, Tenerife (2014)