

Laura Scholz Díaz

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| NASA/ADS publication list | ORCID: 000-0002-6624-8880

EDUCATION

PH.D. IN ASTROPHYSICS

INSTITUTO DE ASTROFISICA DE
CANARIAS & UNIVERSITY OF LA
LAGUNA

Summa cum laude

10/2020 - 05/2024 | Tenerife, Spain

MSC IN ASTROPHYSICS

UNIVERSITY OF LA LAGUNA

09/2018 - 07/2020 | Tenerife, Spain

BSC IN PHYSICS

UNIVERSITY OF LA LAGUNA

09/2012 - 07/2016 | Tenerife, Spain

OBSERVING TIME

Isaac Newton Telescope (INT) IDS/EEV10
at the ORM PI: Scholz-Díaz. Awarded
time: 11 nights | 03/2021

COMMUNITY SERVICE

- Co-organizer of weekly extragalactic group meetings (INAF-O.A.A) 09/2024 - present | Florence, Italy
- Co-organizer and co-founder of monthly early-career researchers meetings (INAF-O.A.A) 07/2024 - present | Florence, Italy
- Reviewer for Monthly Notices of the Royal Astronomical Society (MNRAS) 01/2024 - present
- Co-organizer of the weekly TRACES group meetings & Journal Clubs (IAC) 10/2020 - 05/2024 | Tenerife, Spain
- Speaker at the programme *Talk to them: Women in Astronomy* giving talks in high schools 2023-2024 IAC | Tenerife (Spain)
- Invited speaker for interviews at the TV programme *Ponte al Día*, at the newspaper *El Día*, and at the TV news *Atlántico noticias* | 27/02/24, 21/02/24, 11/02/22 | Tenerife (Spain)

SKILLS

PROGRAMMING

- Python (e.g., *astropy*, *numpy*, *scipy*, *emcee*, *pandas*, *matplotlib*, *seaborn*, *multiprocessing*)
- LaTeX • IDL • Fortran
- Astronomical software & tools (e.g. pPXF, VorBin, TOPCAT, IRAF)

RESEARCH EXPERIENCE

POSTDOCTORAL RESEARCHER | INAF-OSSERVATORIO ASTROFISICO

DI ARCETRI (INAF-O.A. ARCETRI)

05/2024 - Present | Florence, Italy

Working in collaboration with Anna Gallazzi, Stefano Zibetti & Filippo Mannucci

SEVERO OCHOA EXCELLENCE PHD FELLOW | INSTITUTO DE ASTROFÍSICA DE CANARIAS (IAC)

10/2020 - 05/2024 | Tenerife, Spain

Thesis: *Probing the baryonic cycle of galaxies through stellar population analyses.*

Supervised by Dr. Ignacio Martín-Navarro & Dr. Jesús Falcón-Barroso

ERASMUS+ STAY | LEIDEN OBSERVATORY

03/2022 - 06/2022 | Leiden, The Netherlands

Supervised by Prof. Dr. Joop Schaye

ERASMUS+ STAY | MAX-PLANCK INSTITUT FÜR ASTRONOMIE (MPIA)

07/2019 - 09/2019 | Heidelberg, Germany

Supervised by Dr. Ignacio Martín-Navarro

FIRST AUTHOR PUBLICATIONS

- [1] Scholz-Díaz et al. 2024. *Nature Astronomy*, 8:648-656
- [2] Scholz-Díaz et al. 2023. *MNRAS*, 518(4):6325-6339
- [3] Scholz-Díaz et al. 2022. *MNRAS*, 511(4):4900-4920
- [4] Scholz-Díaz et al. 2021. *MNRAS*, 505(3):4655-4668

SELECTED TALKS & SEMINARS

- Contributed talk at the *Galaxy memoirs: inferring their past from their present* conference | 11/08/25 Búzios, Brasil
- Contributed talk at the *Massive Galaxies across time* conference - IAU Symposium #396 | 12/06/25 Naples, Italy
- Invited seminar at INAF-O.A. Capodimonte | 09/04/25 Naples, Italy
- Contributed talk at the *WAVES team meeting* | 06/12/2024 Perth, Australia (online)
- Invited outreach talk at the XXXV Winter School of the Canary Islands: *Baryonic cycle across space and time* | 18/10/2024 Tenerife, Spain
- Contributed talk at the XVI Scientific meeting of the Spanish Astronomical Society SEA 2024 conference | 17/07/2024 Granada, Spain
- Invited seminar at the IAC | 14/03/2024 Tenerife, Spain
- Contributed talk at the *A life devoted to stellar populations* conference | 05/10/2023 Tenerife, Spain
- Contributed talk at the *A journey through galactic environments* conference | 25/09/2023 - Porto Ercole, Italy
- Invited talk at the *Santa Cruz Galaxy Workshop* | 10/08/2023, California, USA
- Two contributed talks at the EAS2023 meeting | 12-13/07/23 Krakow, Poland
- CGI (Cosmology/Galaxies/IGM) invited seminar at University of California, Santa Cruz (UCSC) | 13/03/23 California, USA
- Invited lecture at the MSc degree in Astrophysics of the University of La Laguna in the subject *Complementary activities to research* | 13/10/22, Tenerife (Spain)
- Contributed talk at the XV Scientific meeting of the Spanish Astronomical Society SEA 2022 conference | 08/09/22 Tenerife, Spain
- Contributed talk at EAS2022 meeting | 30/06/22 Valencia, Spain
- Invited talk at Kapteyn Institute | 28/04/22 Groningen, The Netherlands
- Invited talk at Leiden Observatory | 21/04/22 Leiden, The Netherlands