

# Elena Arjona Gálvez



Astrophysics Ph.D. student

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## EDUCATION

### Nov 2021 - now, Ph.D. in Astrophysics. FPI-SO grant

Instituto de Astrofísica de Canarias (IAC); Universidad de La Laguna(ULL)

Title: AGN feedback in low-mass galaxies: detailed analysis and comparison with ongoing and upcoming surveys.

Supervised by Arianna Di Cintio and Robert J. J. Grand

### 2019 - 2021, Master's degree in Astrophysics

Universidad de La Laguna (ULL); Theoretical and computational specialisation.

Master thesis: "The formation of bulgeless galaxies in simulations." Grade: **9.1/10**.

Supervised by Claudio Dalla Vecchia

### 2013 - 2019, Bachelor's degree in Physics.

Universidad de Sevilla (US)

Bachelor thesis: "Study of the relation between the morphology of massive galaxies and their satellites using EAGLE simulations." Grade: **9.5/10**. Supervised by Claudio Dalla Vecchia and Chris Brook

## CONGRESS AND WORKSHOPS WITH CONTRIBUTION

- Galactic-Centres as tracers of Galaxy-Evolution(2025) - **Invited Talk**
- ExGal Simulations School(2025)-**Helper & Talk**
- EAS Annual Meeting's (2025&2022)- e-Poster
- I ExGal-Twin meeting (2025) - Talk
- CLUES Annual Meeting (2024) - Two Talks
- I & II UAM-IAC meeting (2023) - Talk
- XIII&XIV DNC (2022&2023)-Talk& Poster
- XXXV, XXXIII & XXXII Canary Island Winter School of Astrophysics (2022,2023&2024)- **LOC** & talk
- WE-Heraeus and NARIT Cosmology School(2025)-Talk
- XVI DNCT (2025) - **Highlight research talk**
- XVI & XV SEA Meeting's (2024&2023)- Talk & e-Poster
- Black Holes on Broadway:AGN workshop(2023)- Talk
- I BEARD meeting (2023) - Talk
- IAA-CSIC Severo Ochoa Advanced School - e-Poster

## SEMINARS

- ICC Seminar (Durham, 2025)
- AGN talk Series (IAC, 2024)
- MWLG monthly Journal Club (IAC, 2023)
- UCR Astro Seminar (UC Riverside, 2024)
- LJMU Research Talk (LJMU Liverpool, 2023)
- Galaxy Coffee (IAC, 2022)

## RESEARCH ACTIVITIES

- Jun2025, visitor at ICC (Durham, UK) with Francesca Frakoudi
- Nov2024-Dic2024, visitor at UCR (Riverside, CA) with Laura V. Sales & Gabriela Canalizo
- Sep2023-Nov2023, visitor at LJMU (Liverpool, UK) with Robert Grand & Andrea Foont
- Aug2019-Oct2019, ERASMUS+ Traineeship at MPE (Garching, MU) with Ariel G. Sánchez
- Dec2018-Jan 2018, research initiation at IAC (La Laguna, ES). Supervisor: Juan Villa

## OBSERVATIONAL EXPERIENCE

Total journeys: 18 nights

Total telescopes: IAC80 (3 nights), Isaac Newton Telescope (INT, 15 nights)

Total instruments: CAMELOT2 (IAC80), Wide-Field Camera (WFC, INT)

## OUTREACH

- Op-ed on sexism in astrophysics (2025)
- Eclipse Outreach, Observatorio del Teide (5hr, 2025)
- Organization of an astronomical night for kids (2023)
- STARMUS Festival (30hr, 2025), La Palma
- Women in Astronomy Talks, Sevilla (2023–2024)

## SKILLS

- PROGRAMMING: Python (advanced), Astro-Softwares (advanced), Matlab( advanced), Fortran (medium), SQL (medium), C/C++ (fair), MPI (fair), IDL (basic), HTML (basic)
- LANGUAGES: Spanish - native & English - advanced B2 (APTIS, 2019)

## ADDITIONAL ROLES

- Member of UNDARK, BEARD & ExGal-Twin Collaborations
- Referee at OJ and A&A
- Member of IAC-Divulga Team
- Former theory group weekly meeting organiser (IAC)
- PhD Student Representative (IAC&ULL).
- Galaxy Coffee organiser committee (IAC)
- Member of the sustainability committee (IAC)