

Javier Alejandro Acevedo Barroso

Doctoral assistant

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Education

- 2021-2025 DOCTOR IN SCIENCES-PHYSICS
Laboratory of Astrophysics, École Polytechnique Fédérale de Lausanne (EPFL).
Finding gravitational lenses at the dawn of the new generation of wide-field surveys.
Advisor: Dr. Frédéric Courbin.
- 2019-2021 MASTER IN SCIENCES-PHYSICS
Departamento de Física, Universidad de los Andes, Bogotá.
Searching for extragalactic variable stars using Machine Learning algorithms.
Advisor: Dr. Alejandro García.
- 2015-2019 UNDERGRADUATE PHYSICS STUDIES
Departamento de Física, Universidad de los Andes, Bogotá.
Simulating a collisional dark matter fluid using a Lattice-Boltzmann method.
Advisor: Dr. Jaime Forero.

Participation in events

- 2025 Strong Lensing in the Next Decade Workshop at the Center for Astrophysics, Harvard & Smithsonian, Cambridge, MA, USA
Talk: Edge-on lenses in UNIONS and the first *Euclid* lenses
- 2024 VIII Colombian Congress of Astronomy and Astrophysics (COCOA) at Bucaramanga, Colombia
Talk: Galaxy-scale lensing in *Euclid*
- 2024 Third Julio Garavito Cosmology meeting at Bucaramanga, Colombia
Talk: Searching for lensing by edge-on galaxies in UNIONS
- 2024 Euclid Consortium Meeting at Rome
Talk: The ERO Lens Search Experiment
- 2023 IAU Symposia 381: Strong gravitational lensing in the era of Big Data
Talk: Searching for lensing by edge-on galaxies in UNIONS
- 2022 Lensing Odyssey 2022 at Kouremenos, Greece
Talk: Automated lens finding: results and prospects
- 2019 COCOA 2019 Medellín: VI Colombian Congress of Astronomy and Astrophysics
Talk: Simulating Collisional Dark Matter

Awards, Scholarships and Fellowships

2025	NASA Postdoctoral Program Fellowship: Mining the Euclid Survey for High-Redshift Quasars and Strong Lenses
2019	Recognition for Best Scores. “Prueba Saber Pro 2018”, awarded by the Colombian Ministry of National Education
2019	Full scholarship for master studies in physics, awarded by Universidad de los Andes, Bogotá
2014	Full scholarship for undergraduate studies, “Bachilleres por Colombia, Programa Mario Galán Gómez”, awarded by Ecopetrol
2013	Best student of the Department of Santander. “Prueba Saber 11 2013”, awarded by the Colombian Ministry of National Education

Teaching and Technical Experience

2022-2024	Service observations for 1.2 m Swiss National Telescope Leonard Euler: 20 nights
2023	Observations on the 3.58 m New Technology Telescope in la Silla: 3 nights
2023	Observations on the 2.56 m Nordic Optical Telescope in la Palma: 2 nights
2022-2024	Teaching assistant. Practical Works IV. École polytechnique fédérale de Lausanne (EPFL)
2022-2023	Teaching assistant. Astrophysics 101. École polytechnique fédérale de Lausanne (EPFL)
2019-2021	Teaching assistant. Experimental Physics I. Universidad de los Andes, Bogotá
2019-2021	Teaching assistant. Experimental Physics II. Universidad de los Andes, Bogotá