



Gastón Javier Escobar

Academic Formation

- 2009–2017 **Ms.S. in Astronomy**, *Faculty of Astronomical and Geophysical Sciences, La Plata National University, La Plata.*
Degree Thesis: High energy radiation in ultraluminous X-ray sources.
Advisor: Gabriela S. Vila. Co-advisor: Gustavo E. Romero.
- 2017–Present **PhD in Astronomy**, *Faculty of Astronomical and Geophysical Sciences, La Plata National University, La Plata.*
Thesis: Production and propagation of neutrons in microquasar jets.
Advisor: Leonardo J. Pellizza. Co-advisor: Gustavo E. Romero.

PhD Courses

- 1. Introduction to black hole astrophysics.**
Professor: Dr. Gustavo E. Romero.
Faculty of Astronomical and Geophysical Sciences, La Plata National University.
Year: 2017 Attending
- 2. Introduction to quantum field theory I.**
Professor: Dr. Horacio Falomir.
Faculty of Exact Sciences, La Plata National University.
Year: 2017 Attended
- 3. Introduction to Magnetohydrodynamics.**
Professor: Dr. Ana María Platzek.
Faculty of Astronomical and Geophysical Sciences, La Plata National University.
Year: 2016 Approved
- 4. Seminar of particles and fields.**
Professor: Dr. Martín Schvelinger.
Faculty of Exact Sciences, La Plata National University.
Year: 2016 Attended

Fellowships

- 2017–2022 **PhD CONICET Research Fellow (National Research Council)**, *Topic: Production and propagation of neutrons in microquasar jets*, Advisor: Dr. Leonardo J. Pellizza.

Teaching Experience

Graduate Experience

06/2017–
Present **Graduate Teaching Assistant of Electromagnetism**, *Faculty of Astronomical and Geophysical Sciences, UNLP, La Plata.*

Undergraduate Experience

2016–2017 **Teaching Assistant of the Summer Entrance Course**, *Faculty of Astronomical and Geophysical Sciences, UNLP, La Plata.*

03/2015–
Present **Teaching Assistant of Special Mathematics I (Complex Variable)**, *Faculty of Exact Sciences, UNLP, La Plata.*

08/2015–
06/2017 **Teaching Assistant of Mathematical Analysis I**, *Faculty of Exact Sciences, UNLP, La Plata.*

04/2016–
08/2016 **Teaching Assistant of Modern Physics**, *Faculty of Astronomical and Geophysical Sciences, UNLP, La Plata.*

03/2014–
08/2015 **Teaching Assistant of Mathematics C**, *Faculty of Engineering, UNLP, La Plata.*

04/2013–
02/2015 **Teaching Assistant of Mathematics B**, *Faculty of Engineering, UNLP, La Plata.*

06/2010–
03/2011 **Collaborator as Teaching Assistant of Mathematical Analysis I**, *Faculty of Exact Sciences, UNLP, La Plata.*

Participation in Scientific Meetings

Posters

2017 **High energy radiation in ultraluminous X-ray sources**, *São Paulo School of Advanced Science on High Energy and Plasma Astrophysics in the CTA Era (SPSAS-HighAstro), São Paulo, Brazil.*

Organization

2013 **1^{er} Congreso de Estudiantes de Ciencia y Tecnología Argentina (CONEC-TAR)**, La Plata.

2014 **2^{do} Congreso de Estudiantes de Ciencia y Tecnología Argentina (CONEC-TAR)**, La Plata.

Attended Meetings

2016 **59^a Reunión anual de la Asociación Argentina de Astronomía (AAA)**, San Juan.

2015 **58^a Reunión anual de la Asociación Argentina de Astronomía (AAA)**, La Plata.

2014 **57^a Reunión anual de la Asociación Argentina de Astronomía (AAA)**, Córdoba.

2013 **56^a Reunión anual de la Asociación Argentina de Astronomía (AAA)**, Tandil.

2011 **1^{ra} Reunión Binacional de Astronomía: Asociación Argentina de Astronomía y Sociedad Chilena de Astronomía (AAA-SOCHIAS)**, San Juan, Argentina.

- 2010 **54^a Reunión anual de la Asociación Argentina de Astronomía (AAA)**, Salta.
- 2009 **53^a Reunión anual de la Asociación Argentina de Astronomía (AAA)**, La Plata.
- 2015 **Meeting of General Relativity Grav15**, Córdoba.
- 2013 **Meeting of General Relativity Grav13**, Córdoba.
- 2016 **4^{to} Congreso de Estudiantes de Ciencia y Tecnología Argentina (CONEC-TAR)**, La Plata.
- 2015 **3^{er} Congreso de Estudiantes de Ciencia y Tecnología Argentina (CONEC-TAR)**, Montevideo, Uruguay.
- 2014 **2^{do} Congreso de Estudiantes de Ciencia y Tecnología Argentina (CONEC-TAR)**, La Plata.
- 2013 **1^{er} Congreso de Estudiantes de Ciencia y Tecnología Argentina (CONEC-TAR)**, La Plata.

Other Courses Attended

- 2017 **Course ‘Massive Stars in the Modern Astronomical Era’**, *Faculty of Astronomical and Geophysical Sciences, UNLP*, La Plata, Dictated by Prof. Michaël De Becker.

Languages

- Spanish** Native
- English** Intermediate-High

Institutional Participation

- 2014–2016 Student member of the Board of Directors of the Faculty of Astronomical and Geophysical Sciences of La Plata.
- 2014–2016 Student member of the Degree Academics & Teaching Comission of the Faculty of Astronomical and Geophysical Sciences of La Plata.
- 2013 Student member of the Advisory Committee for selecting a graduate teaching assistant for Computation, Faculty of Astronomical and Geophysical Sciences of La Plata.
- 2013 Student member of the Advisory Committee for selecting the graduate teaching assistant for Partial Differential Equations, Faculty of Astronomical and Geophysical Sciences of La Plata.

Programming languages

- Fortran** Intermediate level
- Python** Basic level
- C** Basic level