Lais Borbolato

♥ Universidade de São Paulo - Instituto de Astronomia, Geofísica e Ciências Atmosféricas (IAG)
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 ♦ https://laborbolato.github.io/

Education	
 PhD University of São Paulo, Ph.D. in Astronomy, Universidade de Advisor: Silvia Rossi Thesis title: Milky Way's disk structures as a memory of its a 	
 BS University of São Paulo, BS in Astronomy, Universidade de Sã Advisor: Silvia Rossi Thesis title: Kinematics and Detailed Chemistry for Monoce 	
Funding	
 Ph.D. Funding by São Paulo Research Foundation (FAPESP [em pt.]) Project: Milky Way's disk structures as a memory of its turbulent page. 	2024 – 2027 past
 Ph.D. Funding by Brazilian Federal Agency for Support and Evaluation o cation (CAPES [em pt.]) Project: Milky Way's disk structures as a memory of its turbulent p 	
 Undergraduate Research Funding by São Paulo Research Foundation (FAPESP [em pt.]) Project: Kinematics and Detailed Chemistry for Monoceros Overdo 	2021 – 2022 ensity
 Undergraduate Researc Funding by Institutional Scientific Initiation Scholarship Program Council for Scientific and Technological Development (PIBIC/CNP) Project: Chemodynimical properties of the Monoceros Stellar Over 	q [em pt.])
 Unified scholarship program (PUB [em pt.]) Customer service at the Abrahão de Moraes Observatory in Valinh 	2019 – 2020 os, São Paulo
Honors and Awards	
Work awarded at the 75th Annual Meeting of the Brazilian Society forment of Science (SBPC [em pt.])	
Title: Chemodynimical properties of the Monoceros Stellar Overd	•
Honorable mention at the 30th International Symposium on Scien nological Initiation at USP (SIICUSP [em pt.])	tific and Tech- 2022
Title: Chemodynimical properties of the Monoceros Stellar Overdent	ensity
Gold medal at the Brazilian Astronomy and Astronautics Olympiad	(OBA [em pt.]) 2018
Gold medal at the Brazilian Astronomy and Astronautics Olympiad	(OBA [em pt.]) 2017
Honorable mention at the Brazilian Public School Mathematics Oly	mpiad (OBMEP 2015

[em pt.])

Hands-on session: Astronomical data visualization with Matplotlib for Brazilian students	2025
 This course was offered at IAG/USP for undergraduate Astronomy students, aiming to help them create clearer and more visually engaging figures for their academic productions. 	
Teaching assistant: Astronomy for Teachers (IAG-USP)	2024
 This advanced training course is designed to offer Brazilian high school physics teachers an introductory overview of various fields of astronomy, presented from a modern and up-to-date perspective. 	
Astronomical Service at IAG-USP	2022 - 2024
 Supervisor of guided visits at IAG-USP and teaching assistant in virtual sessions with public school students. 	
Night with the Stars - Abrahão de Morais Observatory	2019 - 2023
 Monitor assisting with customer service at the Abrahão de Moraes Observatory (OAM [em pt.]) in Valinhos, São Paulo, including assembling telescopes and leading hands-on workshops with children. 	
ASTROMINAS (website) ☑	2020 - 2021
 This project is dedicated to promoting Science and Technology among female high school students, helping to facilitate their access to university. 	
Cecília project (website) ☑	2020 - 2021
 This project is dedicated to disseminating and popularizing Earth and Universe sciences in schools. 	
earning and Service	
Organizer: "Astronomy at Noon" Seminar Series	2024 - 2025
 Cycle of Seminars of the Astronomy Department of IAG/USP every Thursday at noon. It is dedicated to undergraduate students in exact sciences 	
Organizer: Milky Way Brazillian Group (MWBR)	2024 - 2025
Member: Brazilian Astronomical Society (SAB [em pt.])	2019 - 2025
Students representative: Astronomy Program Coordinating Committee (IAG-USP)	2024
Students representative: Defense of Diversity, Human Rights and Democracy Committee, CDDDHD (IAG-USP)	2021 - 2022
Students representative: Congregation (IAG-USP)	2020 - 2021
Organizer: Brazilian Astronomy Olympiad (OBA [em pt.])	2019 - 2020
Skills	
Languages: Portuguese (native), English (intermediate)	
Coding: Python	

Talk Deciphering the Cosmic Code for Galaxy Formation

the Cosmic Code for Galaxy Formation

Dec 2024

• Title: Deciphering the old Milky Way thin disk formation

• Puerto Varas - Chile

 Poster IAU Symposium 395: Stellar populations in the Milky Way and beyond Title: The Early and Fast Settlement of Milky Way Disk Paraty, RJ - Brasil 	Nov 2024
 Talk XLVII Annual Meeting of the Brazilian Astronomical Society Title: Deciphering the earliest stages of the Milky Way disk formation Águas de Lindóia, SP - Brasil 	Sep 2024
 Talk XXXII IAU General Assembly Title: The Early and Fast Settlement of Milky Way Disk Cape Town - South Africa 	Aug 2024
 Talk XVII Latin American Regional IAU Meeting Title: All-sky Kinematics and Chemistry of Monoceros Stellar Overdensity Montevidéu - Uruguau 	Nov 2023
 Talk XLVI Annual Meeting of the Brazilian Astronomical Society Title: Kinematics and Detailed Chemistry for Monoceros Overdensity Rio de Janeiro, RJ - Brasil 	Oct 2023
 Poster 75th Annual Meeting of Brazilian Society for the Advancement of Science Title: Kinematics and Detailed Chemistry for Monoceros Overdensity Curitiba, PR - Brasil 	Jun 2023
 Poster 30th International Symposium on Scientific and Technological Initiation at USP Title: Kinematics and Detailed Chemistry for Monoceros Overdensity São Paulo, SP - Brasil 	Oct 2022
 Poster XLV Annual Meeting of the Brazilian Astronomical Society Title: Kinematics and Detailed Chemistry for Monoceros Overdensity Online 	Sep 2022
 Poster 29th International Symposium on Scientific and Technological Initiation at USP Title: Chemodynimical properties of the Monoceros Stellar Overdensity Online 	Oct 2021
 Poster XLIV Annual Meeting of the Brazilian Astronomical Society Title: Chemodynimical properties of the Monoceros Stellar Overdensity Online 	Sep 2021
Publications	
1st Author Publications - Journal Articles	
Early Co-formation of the Milky Way's Thin and Thick Disks at Redshift z > 2 Borbolato, L.; Rossi, S.; Perottoni, H. D.; Limberg, G.; Amarante, J A. S.; Queiroz, A. B. A.; Chiappini, C.; Anders, F.; Santucci, R. M.; Barbosa, F. O.; Nogueira-Santos, J. V.; Submitted to ApJ. arXiv ぱ	2025
All-sky Kinematics and Chemistry of Monoceros Stellar Overdensity Borbolato, L.; Perottoni, H. D.; Rossi, S.; Limberg, G.; Pérez-Villegas, A.; Anders, F.; Antoja, T.; Laporte, C. F. P.; Rocha-Pinto, H. J.; Santucci, R. M.; 2024, ApJ, 960, 52. 10.3847/1538-4357/ad02fb ☑	2024

Co-authored Publications - Journal Articles

Extending the Chemical Reach of the H3 Survey: Detailed Abundances of the Dwarfgalaxy Stellar Stream Wukong/LMS-1	2024
Limberg, G.; Ji, A. P.; Naidu, R. P.; Chiti, A.; Rossi, S.; Usman, S. A.; Ting, Y.; Zaritsky, D.; Bonaca, A.; Borbolato, L. ; Speagle, J. S.; Chandra, V.; Conroy, C.; 2024, MNRAS, 530, 3. 10.1093/mnras/stae969 🗹	
Searching for Extragalactic Exoplanetary Systems: The Curious Case of BD+20 2457	2021
Perottoni, H. D.; Amarante, J. A. S.; Limberg, G.; Rocha-Pinto, H. J.; Rossi, S.; Anders, F.; Borbolato, L. ; 2021, ApJL, 913, L3	
10.3847/2041-8213/abfb06 ☑	