

Giovanni Ferrami

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EDUCATION

- **University of Melbourne** 2022-2025
PhD in Astrophysics - supervisor: J. Stuart B. Wyithe
- **Università degli Studi di Milano** 2019-2021
M.Sc. in Physics - supervisors: C. Grillo, G. Bertin
- **Università degli Studi di Milano** 2016-2019
B.Sc. in Physics

RESEARCH INTERESTS

[Strong gravitational lensing](#) | [Galaxy evolution](#) | [Luminosity function](#)

AWARDS AND SCHOLARSHIPS

- Melbourne Research Scholarship 2022
- ASA Student Travel Assistance Scheme 2023 (1500 AUD)
- Uni Melbourne Science Abroad Travelling Scholarships 2023 (2000 AUD)
- Laby PhD Travelling Scholarship 2024 (2000 AUD)

APPROVED OBSERVING PROPOSALS

- ESO-111.24XP.001 (PI, 4.5 hrs): VLT/MUSE time on VV191 to constrain the dark matter profile, stellar IMF, and dust attenuation

CONFERENCE CONTRIBUTED TALKS

- Strong Gravitational Lensing Science with LSST (Oxford, March 2024)
- Asia Pacific IAU Regional Meeting (Koryiama, Aug 2023)
- Astronomical Society of Australia Conference (Sydney, Jul 2023)
- Astro3D Annual Science meeting (Perth, Jun 2023)
- Australian National Institute for Theoretical Astrophysics Conference (Adelaide, Feb 2023)
- DYNAMITE workshop (Perth, Nov 2022)
- Astronomical Society of Australia Conference [*poster contribution*] (Tasmania, Jun 2022)

ASTRONOMY SEMINARS

- UCLA (Los Angeles, Sep 2024) - *Treu's group meeting*
- Yale (New Haven, Sep 2024) - *Natarajan's group meeting*
- Stony Brook (New York, Sep 2024) - *Astro seminar*
- Center for Astrophysics | Harvard & Smithsonian (Boston, Sep 2024) - *ITC Luncheon talk*
- University of Chicago (Chicago, Sep 2024) - *Astro seminar*

- ASU (Arizona, Aug 2024) - *Astro seminar*
- Swinburne University (Melbourne, Nov 2023) - *Glazebrook's group talk*
- Kavli IPMU (Tokyo, Aug 2023) - *Astro seminar*
- ICRR, University of Tokyo (Tokyo, Aug 2023) - *Astro seminar*
- University of Milan (Milan, Dec 2022) - *Astro seminar*
- (x3) University of Melbourne (Melbourne, 2022-2023) - *Astro seminar*

TEACHING

- PHYC 10003 Physics 1 (Tutor, 2023 - 2024)
- PHYC 10008 From the Solar System to the Cosmos (Lab demonstrator, 2022 - 2024)
- PHYC 90009 Physical Cosmology (Exam Marking, Semester 1, 2022)
- PHYC 30019 Astrophysics (Exam Marking, 2022)
- PHYC 10003 Physics 1 (Lab demonstrator, 2022)

SERVICE & OUTREACH

- Reviewer for A&A
- Co-advising two student research projects:
 - Leena Iwamoto (undergrad, Harvard University)
 - Davide Castellani (master, Universita' degli Studi di Milano)
- Member of the ASTRO3D student committee (organised three students workshops, 2023 - now)
- Organised group meetings and journal club (University of Melbourne, 2023 - now)
- In person public lecture and Q&A session on astrophysics to middle school (year 7) students in my home town (Casalbuttano, Italy - 2023)
- Contribute to a [white paper](#) on how to improve the schooling system in Italy, featured on a major online [news website](#) (Yezer, 2021-2022)

PUBLICATION LIST

1. **Ferrami, G.**, Wyithe, J.S.B., [2024](#), [arXiv:2410.20892](#)
'Velocity dispersion function evolution from strong lensing statistics'
2. **Ferrami, G.**, Wyithe, J.S.B., [2024](#), [MNRAS](#), **532**, [1832](#)
'A model for galaxy-galaxy strong lensing statistics in surveys'
3. **Ferrami, G.**, Bertin G., Grillo C., Mercurio A., Rosati P., [2023](#), [A&A](#), **676**, [A66](#)
'Dynamics of the galactic component of Abell S1063 and MACS J1206.2-0847'
4. **Ferrami, G.**, Wyithe, J.S.B., [2023](#), [MNRAS](#), **523**, [L21](#)
'Gravitational lensing modification of the high redshift galaxy luminosity function'.
5. Keel, W.C., [+29 coauthors including **Ferrami, G.**], [2023](#), [AJ](#), **165**, [166](#)
'JWST's PEARLS: dust attenuation and gravitational lensing in the galaxy system VV 191'.
6. Windhorst, R.A., [+84 coauthors including **Ferrami, G.**], [2023](#), [AJ](#), **165**, [13](#)
'JWST's PEARLS: Project Overview and First Results'.

ACADEMIC REFERENCES

Prof. **J. Stuart B. Wyithe** | PhD advisor | email: stuart.wyithe@anu.edu.au
Research School of Astronomy and Astrophysics, ANU, Canberra, ACT 2611, Australia

Prof. **Rogier A. Windhorst** | Collaborator | office email: marisol.j.diaz@asu.edu
School of Earth and Space Exploration, Arizona State University, Tempe, AZ 85287-1404, USA

Prof. **Michele Trenti** | Collaborator | email: michele.trenti@unimelb.edu.au
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