Charlotte Mason

Associate Professor of Extragalactic Astrophysics
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Research Interests

Hydrogen reionization; high redshift galaxy formation and evolution; evolution of the intergalactic medium; dark matter; Lyman-α emission; 21-cm signal; gravitational lensing; Bayesian statistics

Academic Employment

Associate Professor of Extragalactic Astrophysics — 2021 –
Cosmic Dawn Center, Niels Bohr Institute, University of Copenhagen, Denmark

NASA Hubble Fellow & CfA Fellow — 2018 – 2021
Center for Astrophysics | Harvard & Smithsonian, Cambridge, MA, USA

Education

2015 – 2018 | **Doctor of Philosophy (PhD)** in Astronomy
University of California, Los Angeles, California, USA
Thesis: "*Galaxies at the Epoch of Cosmic Reionization*". Advisor: Prof. Tommaso Treu

2013 – 2015 | **Master of Arts (MA)** in Physics, with Astrophysics Emphasis
University of California, Santa Barbara, California, USA

2009 – 2013 | **Master of Physics (MPhys)**, 4 Year Undergraduate Honours Degree
Merton College, University of Oxford, Oxford, UK
Thesis: "*High-Redshift Disk Formation*". Supervisors: Dr. Julien Devriendt & Dr. Adrianne Slyz

Selected Honours, Fellowships, and Awards

L'Oréal-UNESCO For Women in Science Prize, *Royal Danish Academy of Science and Letters*, 2023
NASA Hubble Fellowship, 2018
CfA Fellowship, *Harvard-Smithsonian Center for Astrophysics*, 2018
Rodger Doxsey Prize, *AAS*, 2018
Dr. Pliny A. and Margaret H. Price Prize in Cosmology and AstroParticle Physics, *CCAPP, Ohio State University*, 2017
NASA Earth and Space Science Fellowship (NESSF), 2016 – 2018
Chair's Outstanding Service Award, *Physics Department, UC Santa Barbara*, 2015
Yzurdiaga Graduate Fellowship, *UC Santa Barbara*, 2013
Broida Fellowship, Physics Department, *UC Santa Barbara*
Fowler Prize for Achievement, 4 times, *Merton College, University of Oxford*, 2009 – 2013
Exhibition (Prize Scholarship), *Merton College, University of Oxford*, 2012
Summer Undergraduate Research Fellowship, *California Institute of Technology*, 2011
Scholar, International Summer School for Young Physicists, *Perimeter Institute*, 2008

Publications

84 journal articles (11 under review), including 10 as first author and 5 by students directly under my supervision. 949 first author paper citations, 3491 total citations. h index of 33 (ADS 2023-09-29). Full publication list at end of CV.

Invited Colloquia, Seminars and Lectures

34. Munich Joint Astronomy Colloquium, ESO, Germany, 2023 — Colloquium
33. Aarhus University, Denmark, 2023 — Colloquium
32. Stockholm University, Sweden, 2023 — Seminar
31. University of Southern California, USA, 2023 — Seminar
30. University of Edinburgh, UK, 2023 — Colloquium
29. Laboratoire d'Astrophysique de Marseille, France, 2022 — Seminar

28. Scuola Normale Superiore di Pisa, Italy, 2022 — Colloquium
27. Uppsala University, Sweden, 2022 — Seminar
26. Imperial College London, UK, 2022 — Seminar
25. University of Hertfordshire, UK, 2022 — Seminar
24. Niels Bohr Institute, University of Copenhagen, Denmark, 2021 — Tenure Lecture
23. UCLA, USA, 2021 — Colloquium
22. Kathmandu Astrophysics School, Nepal, 2020 — Lecture
21. University of Arizona, USA, 2020 — Seminar
20. Cosmic Dawn Center, University of Copenhagen, Denmark, 2020 — Seminar
19. University of Sussex, UK, 2020 — Colloquium
18. Institute for Cosmology and Gravitation, Portsmouth, UK, 2020 — Colloquium
17. Lancaster University, UK, 2020 — Seminar
16. University of Minnesota, USA, 2020 — Colloquium
15. UT Austin, USA, 2019 — Colloquium
14. Tufts University, USA, 2019 — Seminar
13. University of Michigan, USA, 2019 — Colloquium
12. University of Melbourne, Australia, 2019 — Colloquium
11. CITA, Canada, 2019 — Seminar
10. McGill Space Institute, Canada, 2018 — Seminar
9. University of Connecticut, USA, 2018 — Seminar
8. Harvard-Smithsonian CfA, USA, 2018 — Seminar
7. UC Berkeley, USA, 2017 — Seminar
6. KIPAC, Stanford University, USA, 2017 — Seminar
5. UC Santa Barbara, USA, 2017 — Seminar
4. CCAPP, Ohio State University, USA, 2017 — Seminar
3. University of Oxford, UK, 2016 — Seminar
2. UC Davis, USA, 2016 — Seminar
1. Institute for Cosmology and Gravitation, Portsmouth, UK, 2015 — Seminar

Conference Talks

Including 19 invited conference talks and reviews since 2016, marked with *****

*****31. (upcoming) The chronology of the very early Universe according to JWST: the first billion years, ISSI, Switzerland, 2024
*****30. JWST turns one: the birth and growth of galaxies, Sexten CfA, Italy, 2023
*****29. Reionization in the Summer, Heidelberg, Germany, 2023
*****28. Annual Danish Astronomy Meeting, Frederica, Denmark, 2023
*****27. A new era in extragalactic astronomy: early results from JWST, Cambridge, UK, 2023 — Invited Review
*****26. Growth of Galaxies in the Early Universe, Sexten CfA, Italy, 2023
*****25. Understanding the epoch of cosmic reionization, Sexten CfA, Italy, 2023
*****24. The Co-evolution of the Cosmic Web and Galaxies across Cosmic Time, KITP, CA, 2023
*****23. Reionization on a Blackboard, New York, NY, 2022 — Invited Review
*****22. DAWN Inauguration Conference, Copenhagen, DK, 2022
*****21. Reionization and Cosmic Dawn, Berkeley, CA, 2022 (cancelled due to illness)
*****20. Growth of Galaxies in the Early Universe, Sexten CfA, Italy, 2022 — Invited Review
19. SAZERAC: The 21cm signal, online, 2022
*****18. SAZERAC: Learning the high-redshift Universe, online, 2022 — Invited Review
*****17. DAWN Summit, Copenhagen, DK, 2021 — Invited Review
16. Cosmology From Home, online, 2021
*****15. EAS Symposium: Panchromatic and hyper-spectral observations of Cluster Lenses and Lensed Galaxies, online, 2020
*****14. Growth of Galaxies in the Early Universe, Sexten CfA, Italy, 2020
13. Barefoot EoR, Fitzroy Island, Australia, 2019
12. Big Eyes on the Early Universe, Los Angeles, CA, 2019
*****11. Growth of Galaxies in the Early Universe, Sexten CfA, Italy, 2019
*****10. KMOS@5, ESO, Garching, Germany, 2018
*****9. Growth of Galaxies in the Early Universe, Sexten CCfA, Italy, 2018
8. AAS 231, Washington DC, 2018 — Dissertation Talk
7. Cosmic Dawn with JWST, STScI, Baltimore, MD, 2017

6. EWASS SS15: Unravelling the First Billion Years, Prague, CZ, 2017
5. Physical Characteristics of Normal Galaxies at $z > 2$, Leiden, NL, 2016
4. Galaxy Workshop, UC Santa Cruz, CA, 2016
3. The Reionization Epoch, Aspen Center for Physics, Aspen, CO, 2016
*2. Growth of Galaxies in the Early Universe, Sexten CfA, Italy, 2016
1. First Light & Cosmology, Institut Astrophysique de Paris, France, 2015

Advising and Teaching Experience

PhD students

- Jo Verwohlt (University of Copenhagen), 2022-
  Project supervisor.
- Ting-Yi Lu (University of Copenhagen), 2021-
  Primary supervisor.
- Gonzalo Prieto Lyon (University of Copenhagen), 2021-
  Primary supervisor. 1 paper published.
- Rohan Naidu (Harvard), 2018-2020
  Co-supervisor for projects related to reionization. 2 papers published.

Masters students

- Kimi Kreilgaard (University of Copenhagen), 2022-, Primary supervisor.

Bachelors students

- Alexa Morales (Florida International University → UT Austin, NSF Graduate Research Fellow)
  Supervisor for SAO Summer REU program, 2020.
  1 published paper: Morales, Mason, et al. 2021. ApJ, 919, 120.
- Lily Whitler (Arizona State University → University of Arizona, NSF Graduate Research Fellow)
  Supervisor for SAO Summer REU program, 2019.
  1 published paper: Whitler, Mason, et al., 2020. MNRAS, 495, 3602.

Examinations

- PhD defense committee: Vasily Kokorev (NBI), Lukas Furtak (Sorbonne Université, France)

Teaching

- Lecturer: *Cosmology*. Unversity of Copenhagen 2022.
- Lecturer: *Extragalactic Astrophysics*. Unversity of Copenhagen 2021–2022.
- Primary Instructor: *Astronomy Lab*, 2015–2017. Interactive class taught in a planetarium and observatory. As Adjunct Faculty, Santa Barbara City College
- Teaching Assistant: *Quantum Mechanics*, *Physics 1 - Classical Mechanics* for non-Physics student. Physics Department, UCSB

Training in teaching and mentorship

- Introduction to University Pedagogy course, University of Copenhagen, 2022
- PhD Supervision course, University of Copenhagen, 2021
- The Science of Teaching Science course, Harvard University, 2021
- Certificate in Undergraduate Mentoring in Science Education, Harvard University, 2020
- AAS Astronomy Ambassador, 2018

Major Grants (PI)

Career total: $2.4 million (16 million DKK) in external funding.

2. Semper Ardens: Accelerate grant, Carlsberg Foundation, 2022 — 5 million DKK
1. Villum Young Investigator, Villum Foundation, 2021 — 8 million DKK

Approved Observing Proposals (PI)

5. JWST-GO-04287. Deep Spectroscopy of the First Ionized Bubbles: New Insight into the Beginning of Reionization (22 hours)
4. JWST-GO-03990. A NIRCam Pure-Parallel Imaging Survey of Galaxies Across the Universe (as Co-PI, PI T. Morishita, 600 hours)

3. ESO-109.24EZ.001 (DDT). The high redshift universe in full colour: the power of MUSE and JWST (5 hours)
2. MMT/Binospec 2019-2020. Unraveling Reionization with Resolved Lyman Alpha (15.5 nights)
1. Magellan/FIRE 2020. The Evolution of Super Massive Black Holes in the First Billion Years (2 nights)

Approved Observing Proposals (CoI)

JWST (1 ERS program – PI Treu, 7 GO programs – PIs: Dunlop, Malkan, Oesch, Roberts-Borsani, Becker, Castellano, Atek), HST (4 GO progams – PIs: Treu, Trenti, 2 archival programs – PIs: Bradač, Morishita), Spitzer (1 program – PI: Bouwens), ESO (3 programs – PIs: Fontana, Sanchez-Janssen, Hayes), MMT (1 program – PI: Tacchella)

Professional Service

- JWST User Committee ESA representive 2023-
- Conference scientific organizing committees: SAZERAC conference (online) 2020, 2021; EAS Symposium (Seville, Spain) 2021, First Light Conference (Boston, USA) 2023; First Stars Conference (New York, USA) 2024; Nordita Program "Cosmic Dawn at High Latitudes" (Stockholm, Sweden) 2024
- Seminar organizing: DAWN Cake talks, CfA High Redshift Galaxy Evolution Meeting, CfA Galaxies & Cosmology Seminar, UCSB Astrophysics Colloquia
- Grant/observing proposal reviewing: JWST Cycle 2 TAC External Review, NSF Astronomy and Astrophysics Grants, NASA Astrophysics Data Analysis Program, NASA FINESST graduate fellowship,
- Hiring committees: DAWN Fellowship committee (chair 2022), DAWN PhD selection committee
- Journal referee: ApJ, MNRAS, A&A, PRL
- Software tester for STScI JWST Data Analysis Development Forum
- Working groups: E-ELT ANDES Science Team member

Media, Outreach and DEI

- Media Interviews:
  - TV/video: BBC/PBS NOVA "Universe"; Videnskab.dk
  - Radio: NPR "All Things Considered"
  - Print: Scientific American; Science; Nature
- Outreach:
  - NASA Universe of Learning Subject Matter Expert
  - AAS Astronomy Ambassador
  - Organiser, host and speaker at Astronomy on Tap, Santa Barbara and Boston
  - Invited Public Talks: Royal Danish Academy of Science and Letters; Merton College, Oxford; Santa Barbara City College; Santa Barbara Salon; Santa Barbara Astronomical Society - Volunteer at Cambridge Explores the Universe
  - Virtual classroom visits with YouthAstroNet
- DEI:
  - Contributor to NHFP Anti-Racism Initiative: https://www.nhfp-equity.org
  - Committee member of UCSB Women in Physics group
  - Started a mentorship program for women in STEM at Oxford University

Publication List

Names of students directly under my supervision are underlined.

First author and student publications

15. Lu, T.-Y., et al. The reionising bubble size distribution around galaxies. arXiv e-prints, arXiv:2304.11192, 2023.
14. Prieto-Lyon, G., et al. Early Results from GLASS-JWST XXIII: The transmission of Lyman-alpha from UV-faint z ~3-6 galaxies. accepted for publication in ApJ, arXiv:2304.02666, 2023.
13. Prieto-Lyon, G., et al. The production of ionizing photons in UV-faint z ∼ 3-7 galaxies. A&A, 672:A186, 2023.
12. Mason, C. A., Trenti, M., and Treu, T. The brightest galaxies at cosmic dawn. MNRAS, 521, 1:497–503, 2023.
11. Mason, C. A., et al. 21CMFISH: Fisher-matrix framework for fast parameter forecasts from the cosmic 21-cm signal. MNRAS, 524, 3:4711–4728, 2023.

10. Morales, A. M., et al. The Evolution of the Lyman-alpha Luminosity Function during Reionization. ApJ, 919, 2:120, 2021.
9. Whitler, L. R., et al. The impact of scatter in the galaxy UV luminosity to halo mass relation on Ly α visibility during the epoch of reionization. MNRAS, 495, 4:3602–3613, 2020.
8. Mason, C. A. and Gronke, M. Measuring the properties of reionized bubbles with resolved Lyα spectra. MNRAS, 499, 1:1395–1405, 2020.
7. Mason, C. A., et al. Model-independent constraints on the hydrogen-ionizing emissivity at z > 6. MNRAS, 489, 2:2669–2676, 2019.
6. Mason, C. A., et al. Inferences on the timeline of reionization at z $\sim$ 8 from the KMOS Lens-Amplified Spectroscopic Survey. MNRAS, 485, 3:3947–3969, 2019.
5. Mason, C. A., et al. Beacons into the Cosmic Dark Ages: Boosted Transmission of Lyα from UV Bright Galaxies at z $\gtrsim$ 7. ApJ, 857, 2:L11, 2018.
4. Mason, C. A., et al. The Universe Is Reionizing at z $\sim$ 7: Bayesian Inference of the IGM Neutral Fraction Using Lyα Emission from Galaxies. ApJ, 856, 1:2, 2018.
3. Mason, C. A., et al. First Results from the KMOS Lens-Amplified Spectroscopic Survey (KLASS): Kinematics of Lensed Galaxies at Cosmic Noon. ApJ, 838, 1:14, 2017.
2. Mason, C. A., Trenti, M., and Treu, T. The Galaxy UV Luminosity Function before the Epoch of Reionization. ApJ, 813, 1:21, 2015.
1. Mason, C. A., et al. Correcting the z $\sim$ 8 Galaxy Luminosity Function for Gravitational Lensing Magnification Bias. ApJ, 805, 1:79, 2015.

Contributing author publications

64. Roy, N., et al. Early Results from GLASS-JWST XXII: Rest frame UV-optical spectral properties of Lyman-alpha emitting galaxies at 3 < z < 6. arXiv e-prints, arXiv:2304.01437, 2023.
63. Glazebrook, K., et al. Early Results from GLASS-JWST. XV. Properties of the Faintest Red Sources in the NIRCAM Deep Fields. ApJ, 947, 2:L25, 2023.
62. Dressler, A., et al. Early Results from GLASS-JWST. XVII. Building the First Galaxies-Chapter 1. Star Formation Histories for 5 < z < 7 Galaxies. ApJ, 947, 2:L27, 2023.
61. Morishita, T., et al. Early Results from GLASS-JWST. XIV. A Spectroscopically Confirmed Protocluster 650 Million Years after the Big Bang. ApJ, 947, 2:L24, 2023.
60. Oesch, P. A., et al. The JWST FRESCO Survey: Legacy NIRCam/Grism Spectroscopy and Imaging in the two GOODS Fields. arXiv e-prints, arXiv:2304.02026, 2023.
59. Mascia, S., et al. Closing in on the sources of cosmic reionization: First results from the GLASS-JWST program. A&A, 672:A155, 2023.
58. Nanayakkara, T., et al. Early Results from GLASS-JWST. XVI. Discovering a Bluer z 4-7 Universe through UV Slopes. ApJ, 947, 2:L26, 2023.
57. Yue, M., et al. Detecting and Characterizing Young Quasars. III. The Impact of Gravitational Lensing Magnification. arXiv e-prints, arXiv:2304.09256, 2023.
56. Bergamini, P., et al. The GLASS-JWST Early Release Science Program. III. Strong lensing model of Abell 2744 and its infalling regions. arXiv e-prints, arXiv:2303.10210, 2023.
55. Bakx, T. J. L. C., et al. Deep ALMA redshift search of a z 12 GLASS-JWST galaxy candidate. MNRAS, 519, 4:5076–5085, 2023.
54. Boyett, K., et al. A massive interacting galaxy 525 million years after the Big Bang. arXiv e-prints, arXiv:2303.00306, 2023.
53. Leethochawalit, N., et al. Early Results from GLASS-JWST. X. Rest-frame UV-optical Properties of Galaxies at 7 < z < 9. ApJ, 942, 2:L26, 2023.
52. Treu, T., et al. Early Results From GLASS-JWST. XII. The Morphology of Galaxies at the Epoch of Reionization. ApJ, 942, 2:L28, 2023.
51. Tang, M., et al. JWST/NIRSpec Spectroscopy of $z = 7-9$ Star Forming Galaxies with CEERS: New Insight into Bright Lyα Emitters in Ionized Bubbles. arXiv e-prints, arXiv:2301.07072, 2023.
50. Paris, D., et al. The GLASS-JWST Early Release Science Program. II. Stage I release of NIRCam imaging and catalogs in the Abell 2744 region. arXiv e-prints, arXiv:2301.02179, 2023.
49. Santini, P., et al. Early Results from GLASS-JWST. XI. Stellar Masses and Mass-to-light Ratio of z > 7 Galaxies. ApJ, 942, 2:L27, 2023.
48. Heintz, K. E., et al. Dilution of chemical enrichment in galaxies 600 Myr after the Big Bang. arXiv e-prints, arXiv:2212.02890, 2022.
47. Giménez-Arteaga, C., et al. Spatially Resolved Properties of High Redshift Galaxies in the SMACS0723 JWST ERO Field. arXiv e-prints, arXiv:2212.08670, 2022.
46. Bolan, P., et al. Inferring the intergalactic medium neutral fraction at z 6-8 with low-luminosity

Lyman break galaxies. MNRAS, 517, 3:3263–3274, 2022.
45. Boyett, K., et al. Early Results from GLASS-JWST. VI. Extreme Rest-optical Equivalent Widths Detected in NIRISS Wide Field Slitless Spectroscopy. ApJ, 940, 2:L52, 2022.
44. Castellano, M., et al. Early Results from GLASS-JWST. XIX: A High Density of Bright Galaxies at $z \approx 10$ in the Abell 2744 Region. arXiv e-prints, arXiv:2212.06666, 2022.
43. Roberts-Borsani, G., et al. A shot in the Dark (Ages): a faint galaxy at $z = 9.76$ confirmed with JWST. arXiv e-prints, arXiv:2210.15639, 2022.
42. Roberts-Borsani, G., et al. Early Results from GLASS-JWST. I: Confirmation of Lensed z $\geq$ 7 Lyman-break Galaxies behind the Abell 2744 Cluster with NIRISS. ApJ, 938, 2:L13, 2022.
41. Yang, L., et al. Early Results from GLASS-JWST. V: The First Rest-frame Optical Size-Luminosity Relation of Galaxies at z > 7. ApJ, 938, 2:L17, 2022.
40. Merlin, E., et al. Early Results from GLASS-JWST. II. NIRCam Extragalactic Imaging and Photometric Catalog. ApJ, 938, 2:L14, 2022.
39. Castellano, M., et al. Early Results from GLASS-JWST. III. Galaxy Candidates at z 9-15. ApJ, 938, 2:L15, 2022.
38. Ishikawa, Y., et al. Unresolved z 8 Point Sources and Their Impact on the Bright End of the Galaxy Luminosity Function. ApJ, 936, 2:167, 2022.
37. Jacobs, C., et al. Early results from GLASS-JWST XIV: A first morphological atlas of the 1 < z < 5 Universe in the rest-frame optical. arXiv e-prints, arXiv:2208.06516, 2022.
36. Treu, T., et al. The GLASS-JWST Early Release Science Program. I. Survey Design and Release Plans. ApJ, 935, 2:110, 2022.
35. Roberts-Borsani, G., et al. Nature and Nurture? Comparing Lyα Detections in UV-Bright and Fainter [O III]+Hβ Emitters at $z \sim 8$ With Keck/MOSFIRE. arXiv e-prints, arXiv:2207.01629, 2022.
34. Ntampaka, M., et al. A Referee Primer for Early Career Astronomers. arXiv e-prints, arXiv:2205.14270, 2022.
33. Valentino, F., et al. The Archival Discovery of a Strong Lyα and [C II] Emitter at z = 7.677. ApJ, 929, 1:L9, 2022.
32. Muñoz, J. B., et al. The impact of the first galaxies on cosmic dawn and reionization. MNRAS, 511, 3:3657–3681, 2022.
31. Gronke, M., et al. Lyman-α transmission properties of the intergalactic medium in the CoDaII simulation. MNRAS, 508, 3:3697–3709, 2021.
30. Lemaux, B. C., et al. The size and pervasiveness of Ly α-UV spatial offsets in star-forming galaxies at z $\sim$ 6. MNRAS, 504, 3:3662–3681, 2021.
29. Roberts-Borsani, G., et al. Improving z $\sim$ 7-11 Galaxy Property Estimates with JWST/NIRCam Medium-band Photometry. ApJ, 910, 2:86, 2021.
28. Pelliccia, D., et al. RELICS-DP7: Spectroscopic Confirmation of a Dichromatic Primeval Galaxy at z $\sim$ 7. ApJ, 908, 2:L30, 2021.
27. Morishita, T., et al. SuperBoRG: Exploration of Point Sources at z $\sim$ 8 in HST Parallel Fields. ApJ, 904, 1:50, 2020.
26. Mirocha, J., Mason, C., and Stark, D. P. Effects of self-consistent rest-ultraviolet colours in semi-empirical galaxy formation models. MNRAS, 498, 2:2645–2661, 2020.
25. Girard, M., et al. The KMOS Lens-Amplified Spectroscopic Survey (KLASS): kinematics and clumpiness of low-mass galaxies at cosmic noon. MNRAS, 497, 1:173–191, 2020.
24. Fuller, S., et al. Spectroscopically Confirmed Lyα Emitters from Redshift 5 to 7 behind 10 Galaxy Cluster Lenses. ApJ, 896, 2:156, 2020.
23. Naidu, R. P., et al. Rapid Reionization by the Oligarchs: The Case for Massive, UV-bright, Star-forming Galaxies with High Escape Fractions. ApJ, 892, 2:109, 2020.
22. Bradač, M., et al. Hubble Frontier Field photometric catalogues of Abell 370 and RXC J2248.7-4431: multiwavelength photometry, photometric redshifts, and stellar properties. MNRAS, 489, 1:99–107, 2019.
21. Hoag, A., et al. Constraining Lyman-alpha spatial offsets at 3 < z < 5.5 from VANDELS slit spectroscopy. MNRAS, 488, 1:706–719, 2019.
20. Ren, K., Trenti, M., and Mason, C. A. The Brightest Galaxies at Cosmic Dawn from Scatter in the Galaxy Luminosity versus Halo Mass Relation. ApJ, 878, 2:114, 2019.
19. Hoag, A., et al. Constraining the Neutral Fraction of Hydrogen in the IGM at Redshift 7.5. ApJ, 878, 1:12, 2019.
18. Morishita, T., et al. The Bright-end Galaxy Candidates at z $\sim$ 9 from 79 Independent HST Fields. ApJ, 867, 2:150, 2018.

17. Livermore, R. C., et al. HST Follow-up Observations of Two Bright z $\sim$ 8 Candidate Galaxies from the BoRG Pure-parallel Survey. ApJ, 861, 2:L17, 2018.
16. Abramson, L. E., et al. The Grism Lens-amplified Survey from Space (GLASS). XII. Spatially Resolved Galaxy Star Formation Histories and True Evolutionary Paths at z > 1. AJ, 156, 1:29, 2018.
15. Quinn Finney, E., et al. Mass Modeling of Frontier Fields Cluster MACS J1149.5+2223 Using Strong and Weak Lensing. arXiv e-prints, arXiv:1806.00698, 2018.
14. Finney, E. Q., et al. Mass Modeling of Frontier Fields Cluster MACS J1149.5+2223 Using Strong and Weak Lensing. ApJ, 859, 1:58, 2018.
13. Hoag, A., et al. HST Grism Observations of a Gravitationally Lensed Redshift 9.5 Galaxy. ApJ, 854, 1:39, 2018.
12. Hoag, A., et al. Spectroscopic confirmation of an ultra-faint galaxy at the epoch of reionization. Nature Astronomy, 1:0091, 2017.
11. Schmidt, K. B., et al. The Grism Lens-Amplified Survey from Space (GLASS). XI. Detection of C IV in Multiple Images of the z = 6.11 Lyα Emitter behind RXC J2248.7-4431. ApJ, 839, 1:17, 2017.
10. Wang, X., et al. The Grism Lens-amplified Survey from Space (GLASS). X. Sub-kiloparsec Resolution Gas-phase Metallicity Maps at Cosmic Noon behind the Hubble Frontier Fields Cluster MACS1149.6+2223. ApJ, 837, 1:89, 2017.
9. Santini, P., et al. Characterizing elusive, faint dusty star-forming galaxies: a lensed, optically undetected ALMA galaxy at z 3.3. A&A, 596:A75, 2016.
8. Bernard, S. R., et al. Galaxy Candidates at z $\sim$10 in Archival Data from the Brightest of Reionizing Galaxies (BORG[z8]) Survey. ApJ, 827, 1:76, 2016.
7. Agnello, A., et al. Spectroscopy and high-resolution imaging of the gravitational lens SDSS J1206+4332. MNRAS, 458, 4:3830–3838, 2016.
6. Huang, K.-H., et al. Detection of Lyman-alpha Emission from a Triply Imaged z = 6.85 Galaxy behind MACS J2129.4-0741. ApJ, 823, 1:L14, 2016.
5. Schmidt, K. B., et al. The Grism Lens-Amplified Survey from Space (GLASS). III. A Census of Lyα Emission at z $\gtrsim$ 7 from HST Spectroscopy. ApJ, 818, 1:38, 2016.
4. Calvi, V., et al. Bright Galaxies at Hubble's Redshift Detection Frontier: Preliminary Results and Design from the Redshift z $\sim$9-10 BoRG Pure-Parallel HST Survey. ApJ, 817, 2:120, 2016.
3. Treu, T., et al. The Grism Lens-Amplified Survey from Space (GLASS). I. Survey Overview and First Data Release. ApJ, 812, 2:114, 2015.
2. Agnello, A., et al. High resolution imaging and spectroscopy of the gravitational lens SDSSJ1206+4332: a natural coronagraph at $z = 1.789$ and a standard ruler at $z = 0.745$. arXiv e-prints, arXiv:1506.02720, 2015.
1. Schmidt, K. B., et al. Through the Looking GLASS: HST Spectroscopy of Faint Galaxies Lensed by the Frontier Fields Cluster MACSJ0717.5+3745. ApJ, 782, 2:L36, 2014.