

CURRICULUM VITAE

Dr. Kasper B. Schmidt

Contact Information

Kasper Borello Schmidt, [ORCID](#)
Leibniz-Institut für Astrophysik Potsdam (AIP)
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14482 Potsdam, Germany

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Personal Information

Nationality Danish
Date of birth April 17 1983
Languages Danish (mother tongue), English (fluent), German (moderate)

Employment

Postdoctoral Researcher 09/11/2015 - present
Leibniz-Institut für Astrophysik Potsdam (AIP), Potsdam, Germany

Postdoctoral Researcher 01/09/2012 - 31/10/2015
University of California Santa Barbara (UCSB), CA, USA

Graduate Researcher 01/10/2008 - 31/08/2012
Max Planck Institute for Astronomy (MPIA), Heidelberg, Germany

Education

Ph.D. in astronomy (Dr. Rer. Nat.) 01/10 2008 - 09/07/2012
Max Planck Institute for Astronomy, Heidelberg, Germany
Thesis: '[Frontiers of Galaxy Evolution – Time-Domain Observations and 3D Spectroscopy](#)'
Supervisor: Prof. Dr. Hans-Walter Rix
Member of: *The International Max Planck Research School for Astronomy and Cosmic Physics at the University of Heidelberg* (IMPRS-HD)

M.Sc. in astronomy 01/07/2006 - 12/08/2008
Dark Cosmology Center, University of Copenhagen, Denmark
Thesis: '[Towards Understanding Dark Matter Structures](#)'
Supervisor: Dr. Steen H. Hansen

B.Sc. in astronomy 01/09/2003 - 30/06/2006
University of Copenhagen, Denmark
Thesis: '[The Inflationary Scenario in the Early Universe](#)'
Supervisor: Dr. Steen H. Hansen & Dr. Anja C. Andersen

References

Prof. Tommaso Treu

UC Los Angeles
Physics & Astronomy
Tel: +1 310-206-5617
tt@astro.ucla.edu

Prof. Lutz Wisotzki

Leibniz-Institut für
Astrophysik Potsdam (AIP)
Tel: +49 (0)331 7499 532
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Prof. Hans-Walter Rix

Max Planck Institute for
Astronomy (MPIA)
Tel: +49 (0)622 1528 210
rix@mpia-hd.mpg.de

Research Interests/topics

Galaxy Formation and Evolution: Optical and near-infrared grism, multi-object and IFU spectroscopy, Lyman break galaxy selection, rest-frame UV emission line searches and diagnostics, emission line mapping,
Gravitational Lensing: emission line mapping, faint object detections, cluster lens modeling,
Quasar Variability: modeling, quasar selection, color changes, AGN accretion disk physics,
Methods: Markov chain Monte Carlo, Bayesian statistics, empirical modeling, data mining, visual inspection, structure functions, luminosity functions.

Research Experience and Positions

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| Member, International Astronomical Union (IAU) | 2018 - Pres. |
| Fellow, International Teaching Professionals program | 2017 - 2018 |
| Team Member, The GLASS JWST ERS program | 2017 - Pres. |
| External Reviewer for Chinese Telescope Access Program TAC | 2017 |
| Team Member, MUSE GTO team | 2016 - Pres. |
| Team Member, The Grism Lens-Amplified Survey from Space (GLASS) | 2012 - Pres. |
| Team Member, BoRG Hubble Parallel Survey Group | 2012 - Pres. |
| Referee, ApJ, MNRAS | 2010 - Pres. |
| Team Member, 3D-HST Hubble Treasury Legacy Survey Group | 2010 - 2013 |
| Organizer & Founder of 'LiHD - Lensing in Heidelberg', monthly seminar session on lensing | 2009 - 2012 |
| Team Member, Pan-STARRS1 Science Collaboration | 2008 - 2012 |
| Member, International Max Planck Research School - Heidelberg (IMPRS-HD) | 2008 - 2012 |
| Member, ELIXIR , Marie Curie Initial Training Network: Early Universe w. NIRSpec on JWST | 2008 - 2011 |

Public Outreach

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| ESO and AIP press releases on MUSE Ly α sky-coverage | 01/10/2018 |
| AIP press release on MUSE velocity fields of nearby galaxies | 06/06/2018 |
| ESO and AIP press releases on MUSE UDF work | 29/11/2017 |
| AIP news post about MACS1423-z7p6 on Facebook and Twitter | 11/04/2017 |
| Preparation and Participation at AIP Open House Day | 23/09/2016 |
| 'Ask-an-Astronomer' session following public talk at High-z Malta conference | 21/07/2016 |
| Press release on SN Refsdal in 'The Current' at UCSB | 05/03/2015 |
| Assisting at ' Cultural Night of Copenhagen ', Dark Cosmology Center | 12/10/2007 |
| Presenting dark matter science to high-school classes, Dark Cosmology Center | 08/11/2007 |
| Co-organizer and tutor, introduction to new students, University of Copenhagen | 2005 & 2006 |

Teaching & Supervision

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| PHY-765 Gravitational Lensing, University of Potsdam, course page | 11/04/2018 - 18/07/2018 |
| Tutoring middle school interns, AIP | 2017 - present |
| Supervisor for F. van Donkelaar's Personal Pursuit, University of Twente | 01/12/2016 - 01/08/2017 |
| Substitute lecturer on ' Astro 2 ' for Prof. Tommaso Treu | 14/05/2013 & 23/05/2013 |
| Tutor on the course ' FP30 - CCD photometry in modern astronomy ' | 14/02/2011 - 01/04/2011 |
| Co-supervisor on M. Knecht's bachelor thesis, University of Heidelberg | 09/08/2010 - 02/11/2010 |

Publications

70. ‘Nearly all the sky is covered by Lyman-alpha emission around high redshift galaxies’
Lutz Wisotzki, Roland Bacon ..., **Kasper B. Schmidt**, et al.
2018, *Nature*, 562, 229
69. ‘The MUSE-Wide Survey: A determination of the Lyman α emitter luminosity function at $3 < z < 6$ ’
Christian Herenz, Lutz Wisotzki, ..., **Kasper B. Schmidt**, et al.
2018, Submitted to *A&A*, [ArXiv:1810.05037](#)
68. ‘The bright-end galaxy candidates at $z \sim 9$ from 79 independent HST fields’
Takahiro Morishita, Michele Trenti, ..., **Kasper B. Schmidt**, et al.
2018, [ArXiv:1809.007604](#)
67. ‘Discovery of Strongly Inverted Metallicity Gradients in Dwarf Galaxies at $z \sim 2$ ’
Xin Wang, Tommaso Treu, ..., **Kasper B. Schmidt**, et al.
2018, [ArXiv:1808.08800](#)
66. ‘Mass and Light of Abell 370: A Strong and Weak Lensing Analysis’
Victoria Strait, Maruša Bradač, ..., **Kasper B. Schmidt**, et al.
2018, Accepted by *ApJ*, [ArXiv:1805.08789](#)
65. ‘The MUSE Hubble UDF Survey XII. MgII emission and absorption in star-forming galaxies’
Anna Feltre, Roland Bacon, ..., **Kasper B. Schmidt**, et al.
2018, *A&A*, 617, A62
64. ‘MUSE Spectroscopic Identifications of Ultra-Faint Emission Line Galaxies with $M_{UV} \sim -15$ ’
Michael Maseda, Roland Bacon, ..., **Kasper B. Schmidt**, et al.
2018, *ApJ*, 865, L1
63. ‘Mass Modeling of Frontier Fields Cluster MACS1149 Using Strong and Weak Lensing’
Emily Q. Finney, Maruša Bradač, ..., **Kasper B. Schmidt**, et al.
2018, *ApJ*, 859, 58
62. ‘Recovering the systemic redshift of galaxies from their Lyman-alpha line profile’
Anne Verhamme, Thibault Garel, ..., **Kasper B. Schmidt**, et al.
2018, *MNRAS*, 478, L60
61. ‘Metal Deficiency in Two Massive Dead Galaxies at $z \sim 2$ ’
Takahiro Morishita, Louis Abramson, ..., **Kasper B. Schmidt**, et al.
2018, *ApJ*, 856, L4
60. ‘Kinematics, Turbulence and Star Formation of $z \sim 1$ Strongly Lensed Galaxies seen with MUSE’
Vera Particio, Johan Richard, ..., **Kasper B. Schmidt**, et al.
2018, *MNRAS*, 477, 18
59. ‘Climbing to the top of the galactic mass ladder: evidence for frequent prolate-like rotation among the most massive galaxies’
Davor Krajinovic, Eric Emsellem, ..., **Kasper B. Schmidt**, et al.
2018, *MNRAS*, 477, 5327
58. ‘An individual star at redshift 1.5 extremely magnified by a galaxy-cluster lens’
Patrick Kelly, Jose M. Diego, ..., **Kasper B. Schmidt**, et al.
2018, *Nature Astronomy*, 2, 334
57. ‘Two Peculiar Fast Transients in a Strongly Lensed Host Galaxy’
Steven Rodney, Italo Balestra, ..., **Kasper B. Schmidt**, et al.
2018, *Nature Astronomy*, 2, 324

56. ‘A free-form lensing model of A370 revealing stellar mass dominated BCGs, in Hubble Frontier Fields images.’
Jose M. Diego, Kasper B. Schmidt, Tom Broadhurst, et al.
[2018, MNRAS, 473, 4279](#)
55. ‘Strong lensing analysis of Abell 2744 with MUSE and Hubble Frontier Fields images..’
Guillaume Mahler, Johan Richard, ..., Kasper B. Schmidt, et al.
[2018, MNRAS, 473, 663](#)
54. ‘The MUSE-Wide survey: A measurement of the Ly α emitting fraction among $z > 3$ galaxies’
Joseph Caruana, Lutz Wisotzki, ..., Kasper B. Schmidt, et al.
[2018, MNRAS, 473, 30](#)
53. ‘HST Grism Observations of a Gravitationally Lensed Redshift 10 Galaxy’
Austin Hoag, Maruša Bradač, ..., Kasper B. Schmidt, et al.
[2018, AJ, 854, 39](#)
52. ‘The Grism Lens-Amplified Survey from Space (GLASS). XII. Spatially Resolved Galaxy Star Formation Histories and True Evolutionary Paths at $z > 1$ ’
Louis. E. Abramson, Andrew B. Newman, ..., Kasper B. Schmidt, et al.
[2018, ApJ, 156, 29](#)
51. ‘The MUSE Hubble Ultra Deep Field Survey: IV. Global properties of C III] emitters’
Michael Maseda, Jarle Brinchmann, ..., Kasper B. Schmidt, et al.
[2017, A&A, 608, A4](#)
50. ‘The MUSE-Wide Survey: A first catalogue of 831 emission line galaxies’
Edmund C. Herenz, Tanya Urrutia, ..., Kasper B. Schmidt, et al.
[2017, A&A, 606, A12](#)
49. ‘Characterizing Intra-cluster light at $z \sim 0.5$ in the Hubble Frontier Fields’
Takahiro Morishita, Louis Abramson, ..., Kasper B. Schmidt, et al.
[2017, ApJ, 846, 139](#)
48. ‘Spectroscopic Confirmation of an Ultra-Faint Galaxy at the Epoch of Reionization’
Austin Hoag, Maruša Bradač, ..., Kasper B. Schmidt, et al.
[2017, Nature Astronomy 1, 90](#)
47. ‘The MUSE-Wide Survey: Detection of a Clustering Signal from Ly α Emitters at $3 < z < 6$ ’
Catrina Diener, Lutz Wisotzki, Kasper B. Schmidt, et al.
[2017, MNRAS, 471, 3186](#)
46. ‘Probing dark matter substructure in the gravitational lens HE0435-1223 with the WFC3 grism’
Anna Nierenberg, T. Treu, ..., Kasper B. Schmidt, et al.
[2017, MNRAS, 471, 2224](#)
45. ‘The Grism Lens-Amplified Survey from Space (GLASS). XI. Detection of CIV in Multiple Images of $z = 6.11$ Ly α Emitter Behind RXCJ2248.7-4431’
Kasper B. Schmidt, Kuang-Han Huang, Tommaso Treu et al.
[2017, ApJ, 839, 17](#)
44. ‘Lens Modeling Abell 370: Crowning the Final Frontier Field with MUSE’
David J. Lagattuta, J. Richard, ..., Kasper B. Schmidt, et al.
[2017, MNRAS, 469, 3946](#)
43. ‘The Grism Lens-Amplified Survey from Space (GLASS) X. Sub-kpc resolution gas-phase metallicity maps at cosmic noon behind the Hubble Frontier Fields cluster MACS1149.6+2223’
Xin Wang, Tucker A. Jones, ..., Kasper B. Schmidt, et al.
[2017, ApJ, 837, 89](#)

42. **‘First Results from the KMOS Lens-Amplified Spectroscopic Survey (KLASS): Kinematics of Lensed Galaxies at Cosmic Noon’**
Charlotte A. Mason, Tommaso Treu, ..., **Kasper B. Schmidt**, et al.
[2017, ApJ, 838, 14](#)
41. **‘ALMA [CII] detection of a redshift 7 lensed galaxy behind RXJ1347.1-1145’**
Maruša Bradač, Diego Garcia-Appadoo, ..., **Kasper B. Schmidt**, et al.
[2017, ApJL, 836, L2](#)
40. **‘The Grism Lens-Amplified Survey from Space (GLASS). IX. The dual origin of low-mass cluster galaxies as revealed by new structural analyses’**
Takahiro Morishita, Louis Abramson, ..., **Kasper B. Schmidt**, et al.
[2017, ApJ, 835, 254](#)
39. **‘The Grism lens-amplified survey from space (GLASS). VIII. The influence of the cluster properties on H α emitter galaxies at $0.3 \leq z \leq 0.7$ ’**
Benedetta Vulcani, Tommaso Treu, ..., **Kasper B. Schmidt**, et al.
[2017, ApJ, 837, 126](#)
38. **‘The Grism lens-amplified survey from space (GLASS). VII. The diversity of the distribution of star formation in cluster and field galaxies at $0.3 \leq z \leq 0.7$ ’**
Benedetta Vulcani, Tommaso Treu, **Kasper B. Schmidt**, et al.
[2016, ApJ, 833, 178](#)
37. **‘MUSE Deep-Fields: The Ly α Luminosity Function in the Hubble Deep Field South at $2.91 < z < 6.64$.’**
Alyssa B. Drake, Bruno Guiderdoni, ..., **Kasper B. Schmidt**
[2016, MNRAS 471 267](#)
36. **‘Galaxy candidates at $z \sim 10$ in archival data from the Brightest of Reionizing Galaxies (BoRG[z8]) survey’**
Stephanie Bernard, Daniela Carrasco, ..., **Kasper B. Schmidt**, et al.
[2016, ApJ, 827, 76](#)
35. **‘Detection of Lyman-Alpha Emission From a Triple Imaged $z=6.85$ Galaxy Behind MACS J2129.4-0741’**
Kuang-Han Huang, Brian C. Lemaux, **Kasper B. Schmidt**, et al.
[2016, ApJL, 823, L14](#)
34. **‘The Grism Lens-Amplified Survey from Space (GLASS). VI. Comparing the Mass and Light in MACSJ0416.1-2403 using Frontier Field imaging and GLASS spectroscopy’**
Austin Hoag, Kuang-Han Huang, ..., **Kasper B. Schmidt**, et al.
[2016, ApJ, 831, 182](#)
33. **‘SN Refsdal: Classification as a Luminous and Blue SN 1987A-like Type II Supernova’**
Patrik L Kelly, Gabriel Brammer, ..., **Kasper B. Schmidt**, et al.
[2016, ApJ, 831, 205](#)
32. **‘Bright galaxies at Hubble’s redshift detection frontier: Preliminary results and design from the redshift $z \sim 9 - 10$ BoRG pure-parallel HST survey’**
Valentina Calvi, Michele Trenti, ..., **Kasper B. Schmidt**, et al.
[2016, ApJ, 817, 120](#)
31. **‘SN Refsdal: Photometry and Time Delay Measurements of the First Einstein Cross Supernova’**
Steven A. Rodney, Louis-Gregory Strolger, ..., **Kasper B. Schmidt**, et al.
[2016, ApJ, 820, 50](#)
30. **‘The Grism Lens-Amplified Survey from Space (GLASS). III. A census of Ly α Emission at $z \gtrsim 7$ from HST Spectroscopy’**
Kasper B. Schmidt, Tommaso Treu, Maruša Bradač, et al.
[2016, ApJ, 818, 38](#)

29. **‘Spitzer UltRa Faint Survey Program (SURFS UP). II. IRAC-Detected Lyman-Break Galaxies at $6 < z < 10$ Behind Strong-Lensing Clusters’**
Kuang-Han Huang, Marusa Bradač, ..., **Kasper B. Schmidt**, et al.
[2016, ApJ, 817, 11](#)
28. **‘Deja Vu All Over Again: The Reappearance of Supernova Refsdal’**
Patrik. L. Kelly, Steven A Rodney, ..., **Kasper B. Schmidt**, et al.
[2016, ApJL, 819, L8](#)
27. **‘Refsdal’ meets Popper: comparing predictions of the re-appearance of the multiply imaged supernova behind MACS1149.5+2223**
Tommaso Treu, Gabriel B. Brammer, ..., **Kasper B. Schmidt**, et al.
[2016, ApJ, 817, 60](#)
26. **‘The Grism Lens-Amplified Survey from Space (GLASS). V. Extent and Spatial Distribution of Star Formation in $z \sim 0.5$ Cluster Galaxies’**
Benedetta Vulcani, Tommaso Treu, ..., **Kasper B. Schmidt**, et al.
[2015, ApJ, 814, 161](#)
25. **‘The Grism Lens-Amplified Survey from Space (GLASS). IV. Mass reconstruction of the lensing cluster Abell 2744 from frontier field imaging and GLASS spectroscopy’**
Xin Wang, Austin Hoag, ..., **Kasper B. Schmidt**, et al.
[2015, ApJ, 811, 29](#)
24. **‘The Grism Lens-Amplified Survey from Space (GLASS). II. Gas-Phase Metallicity and Radial Gradients in an Interacting System at $z \sim 2$ ’**
Tucker Jones, Xin Wang, **Kasper B. Schmidt**, et al.
[2015, ApJ, 149, 107](#)
23. **‘The Grism Lens-Amplified Survey from Space (GLASS). I. Survey Overview and First Data Release’**
Tommaso Treu, **Kasper B. Schmidt**, Gabriel B. Brammer, et al.
[2015, ApJ, 114, 21](#)
22. **‘A spectroscopically confirmed $z = 1.327$ galaxy-scale deflector magnifying a $z \sim 8$ Lyman-break galaxy in the Brightest of Reionizing Galaxies survey’**
Robert Barone-Nugent, Allesandro Sonnenfeld, ..., **Kasper B. Schmidt**, et al.
[2015, MNRAS 453, 3068](#)
21. **‘Quasar Classification Using Color and Variability’**
Christina M. Peters, Gordon T. Richards, ..., **Kasper B. Schmidt**, et al.
[2015, ApJS, 811, 2](#)
20. **‘RCS2 J232727.6-020437: An Efficient Cosmic Telescope at $z = 0.6986$ ’**
Austin Hoag, Marusa Bradač, ..., **Kasper B. Schmidt**, et al.
[2015, ApJ, 813, 1](#)
19. **‘Correcting the $z \sim 8$ Galaxy Luminosity Function For Gravitational Lensing Magnification Bias’**
Charlotte Mason, Tommaso Treu, **Kasper B. Schmidt**, et al.
[2015, ApJ, 805, 79](#)
18. **‘The Impact of Strong Gravitational Lensing on Observed Lyman-Break Galaxy Numbers at $4 < z < 8$ in the GOODS and the XDF Blank Fields’**
Robert Barone-Nugent, Stuart Wyithe, ..., **Kasper B. Schmidt**, et al.
[2015, MNRAS, 450, 1224](#)
17. **‘Multiple Images of a Highly Magnified Supernova Formed by an Early-Type Cluster Galaxy Lens’**
Patrick L. Kelly, Steven A. Rodney, ..., **Kasper B. Schmidt**, et al.
[2015, Science, 347, 1123](#)

16. ‘The Luminosity Function at $z \sim 8$ from 97 Y-band Dropouts: Inferences About Reionization’
Kasper B. Schmidt, Tommaso Treu, Michele Trenti, et al.
[2014, ApJ, 786, 57](#)
15. ‘Through The Looking GLASS: HST Spectroscopy of Faint Galaxies Lensed by the Frontier Field Cluster MACSJ0717.5+3745’
Kasper B. Schmidt, Tommaso Treu, Gabriel B. Brammer, et al.
[2014, ApJ, 782, L36](#)
14. ‘The Changing Ly α Optical Depth in the Range $6 < z < 9$ from MOSFIRE Spectroscopy of Y-dropouts’
Tommaso Treu, Kasper B. Schmidt, Michele Trenti, et al.
[2013, ApJ, 775, L29](#)
13. ‘The Spatial Extent and Distribution of Star Formation in 3D-HST Mergers at $z \sim 1.5$ ’
Kasper B. Schmidt, Hans-Walter Rix, Elisabete da Cunha, et al.
[2013, MNRAS, 432, 285](#)
12. ‘The Radial Distribution of Star Formation in Galaxies at $z \sim 1$ From the 3D-HST Survey’
Erica J. Nelson, Pieter G. van Dokkum, ... , Kasper B. Schmidt
[2013, ApJ, 763, L16](#)
11. ‘Large-Scale Star Formation-Driven Outflows at $1 < z < 2$ in the 3D-HST Survey’
Britt F. Lundgren, Gabriel B. Brammer, ... , Kasper B. Schmidt, et al.
[2012, ApJ, 760, 49](#)
10. ‘3D-HST Grism Spectroscopy of a Gravitationally Lensed, Low-metallicity Starburst Galaxy at $z = 1.847$ ’
Gabriel B. Brammer, Ruben Sanchez-Janssen, ... , Kasper B. Schmidt, et al.
[2012, ApJ, 758, L17](#)
9. ‘H α Equivalent Widths from the 3D-HST Survey: Evolution with Redshift and Dependence on Stellar Mass’
Mattia Fumagalli, Shannon Patel, ... , Kasper B. Schmidt, et al.
[2012, ApJ, 757, L22](#)
8. ‘3D-HST: A wide-field grism spectroscopic survey with the Hubble Space Telescope’
Gabriel B. Brammer, Pieter G. van Dokkum, ... , Kasper B. Schmidt, et al.
[2012, ApJS, 200, 13](#)
7. ‘Spatially resolved H α maps and sizes of 57 strongly star-forming galaxies at $z \sim 1$ from 3D-HST: evidence for rapid inside-out assembly of disk galaxies’
Erica J. Nelson, Pieter G. van Dokkum, ... , Kasper B. Schmidt
[2012, ApJ, 747, L28](#)
6. ‘The Color Variability of Quasars’
Kasper B. Schmidt, Hans-Walter Rix, Joseph C. Shields, et al.
[2012, ApJ, 744, 147](#)
5. ‘First Results From the 3D-HST Survey: The Striking Diversity of Massive Galaxies at $z > 1$ ’
Pieter G. van Dokkum, Gabriel B. Brammer, ... , Kasper B. Schmidt, et al.
[2011, ApJ, 743, L15](#)
4. ‘Discovering the missing $2.2 < z < 3$ quasars by combining optical variability and optical/near-IR colors’
Xue-Bing Wu, Ran Wang, Kasper B. Schmidt, et al.
[2011, ApJ, 142, 78](#)
3. ‘Selecting Quasars by their Intrinsic Variability’
Kasper B. Schmidt, Philip J. Marshall, Hans-Walter Rix, et al.
[2010, ApJ, 714, 1194](#)

2. ‘Dark Matter Angular Momentum Profile From the Jeans Equation’

Kasper B. Schmidt, Steen H. Hansen, Jin H. An, et al.

2009, *ApJ*, 694, 893

1. ‘Alas, the dark matter structures were not that trivial’

Kasper B. Schmidt, Steen H. Hansen, & Andrea Macciò

2008, *ApJ*, 689, L33

Observing experience

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| 4 half nights, MUSE on VLT, Chile | May 2017 |
| 2 nights, Kast on Lick, CA, USA | Nov. 2013 |
| 1 night, Kast on Lick, CA, USA (remotely) | Sep. 2013 |
| 1 night, MOSFIRE on Keck, HI, USA | May 2013 |
| 3 nights, MOSFIRE on Keck, HI, USA | Apr. 2013 |
| 2 half nights, MOSFIRE on Keck, HI, USA (remotely) | Jan. 2013 |
| 4 nights, The Nordic Optical Telescope 2.2m, La Palma, Spain | Apr. 2007 |

Invited Talks

‘GLASS-ERS: a JWST exploration of galaxy formation and evolution behind A2744’ 04/04/2018
EWASS2018, Liverpool, UK
[Meeting URL](#), [PDF](#)

‘GLASS: Physical Parameters at the EoR and Metallicity Maps out to $z \sim 2$ ’ 26/10/2017
Lorentz Center, Leiden, Netherlands
[Meeting URL](#)

‘Searching for rest-frame UV lines in the Early Universe with GLASS and MUSE’ 25/05/2017
ESO Vitacura, Santiago, Chile
[Seminar URL](#)

‘GLASS: Spectroscopy of a Lens-Magnified Early Universe’ 20/01/2017
The growth of galaxies in the Early Universe - III, Sexten, Italy
[Meeting URL](#)

‘Highlights from GLASS: Probing Galaxy Evolution from Redshift 0 to 8 with Slitless HST Spectroscopy of Lensing Clusters’ 14/10/2016
Centre de Recherche Astrophysique de Lyon (CRAL) Seminar
[Seminar URL](#)

‘The Grism Lens-Amplified Survey From Space (GLASS): Grism Spectroscopy of Clusters and The Early Universe’ 16/11/2015
Census, Evolution, Physics meeting, Yale, Connecticut, US
[Meeting URL](#), [PDF](#)

‘The Epoch of Reionization: Observing Galaxies in Their Cradle’ 20/10/2015
Frank N. Bash Symposium 2015, New Horizons in Astronomy, Austin, Texas, US
[Meeting URL](#), [Proceeding: PoS\(BASH2015\)014](#)

‘The Grism Lens-Amplified Survey From Space (GLASS): HST Grism Spectroscopy of the HFF’ 03/08/2015
FM 22: The Frontier Fields: Transforming our understanding of cluster and galaxy evolution, XXIX IAU General Assembly, Honolulu, Hawaii, US
[Meeting URL](#), [ADS](#), [Proceedings IAU Symposium, 11\(A29B\), 768-771](#)

**‘The Brightest of Reionizing Galaxies (BoRG) survey:
The $z \sim 8$ luminosity function and spectroscopic follow-up’**
Cosmology Seminar, University of California Davis, Davis, CA, USA

21/11/2013

Conferences & Meetings

Intl. Conf.: EWASS2016 3/4/2018 - 6/4/2018
Liverpool, UK
Talk Contributions: See invited talks above

Intl. Conf.: Sakura CLAW 26/03/2018 - 30/03/2018
Tokyo, Japan
Talk Contribution: ‘Probing the ISM at $z > 3$ with rest-frame UV emission from LAEs in MUSE-Wide’ [PDF](#)

MUSE Collaboration meeting 20/11/2017 - 24/11/2017
Volendam, Netherlands
*Talk Contributions: ‘Rest-Frame UV Emission Lines in MUSE Spectra’
‘JWST (Proposals) Seen From a MUSE GTO Targets Point of View’*

Intl. Conf.: Characterizing Galaxies with Spectroscopy - view for JWST 23/10/2015 - 27/10/2017
Leiden, Netherlands
Talk Contribution: See invited talks above
Short Talk Contribution: ‘Ly α Emitter carbon lines in MUSE Wide’

MUSE Collaboration meeting 5/6/2017 - 9/6/2017
Spineto, Italy
*Talk Contributions: ‘The MUSE-Wide survey: A measurement of the LAE fraction among $z > 3$ galaxies’
‘TDOSE: Three Dimensional Optimal Spectral Extraction’*

Intl. Conf.: SnowCLAW 2017 20/03/2015 - 24/03/2017
Snowbird, UT, USA
*Talk Contribution: ‘MUSE-Wide: A (Not So) Shallow Survey Mapping 1000
Ly α Emitters at $3 < z < 6$ with 100 MUSE Pointings’* [PDF](#)
Poster Contribution: ‘The $z > 5.5$ Universe Seen Through a Magnifying GLASS’ [PDF](#)

GLASS Collaboration meeting 13/3/2017 - 17/3/2017
UCLA, Los Angeles, USA
*Talk Contribution: ‘GLASS 2017 Updates: 1) Updates to v001 Data Release
2) Update on $z > 5.5$ LAE search 3) CIV Emitter Behind RXJ2248’*

Intl. Conf.: The growth of galaxies in the Early Universe - III 18/1/2017 - 21/1/2017
Sexten Center for Astrophysics, Sexten, Italy
Talk Contributions: See invited talks above

MUSE Collaboration meeting 7/11/2016 - 11/11/2016
Semlin, Germany
Talk Contribution: ‘Looking for Rest-Frame UV Lines in MUSE-Wide Ly α Emitters’

Intl. Conf.: Signals From the Deep Past 18/7/2016 - 22/7/2016
Valletta, Malta
Talk Contribution: ‘Studying the Cosmic Dawn Through a Magnifying GLASS’

Intl. Conf.: EWASS2016 4/7/2016 - 8/7/2016
Athens, Greece

Talk Contribution: 'GLASS: Probing the Epoch of Reionization with HST Spectroscopy'

GLASS Collaboration meeting

9/5/2016 - 13/5/2016

UCLA, Los Angeles, USA

Talk Contribution: 'GLASS 2016 Updates: I) Public Data Release v001, II) LBGs at $z > 6$ '

Intl. Conf.: Census, Evolution, Physics

16/11/2015 - 19/11/2015

Yale, Connecticut, USA

Talk Contributions: See invited talks above

Intl. Conf. Frank N. Bash Symposium 2015, New Horizons in Astronomy

18/10/2015 - 20/10/2015

Austin, Texas, USA

Talk Contributions: See invited talks above

Intl. Conf.: XXIX IAU General Assembly

03/08/2014 - 14/08/2015

Honolulu, Hawaii, USA

Talk Contributions: FM22 - see invited talks above

Session319 - 'Probing Reionization at $z \gtrsim 7$ with HST's NIR Grisms', [ADS](#), [PDF](#)

[Proceedings IAU Symposium No. 319, 2015](#)

GLASS Collaboration meeting

4/5/2015 - 7/5/2015

Monte Porzio, Rome, Italy

Talk Contributions: 'The GLASS data' &

'Ly α at $z \gtrsim 7$ in the First Six GLASS Clusters'

Intl. Conf.: sxhz

01/04/2015 - 03/04/2015

Austin, TX, USA

Talk Contribution: 'GLASS: Probing the state of the reionization epoch through HST spectroscopy' [PDF](#)

Intl. Conf.: DEEP 15

15/03/2015 - 19/03/2015

Sintra, Potrugal

Talk Contribution: 'The Grism Lens-Amplified Survey from Space (GLASS):

Ly α emitters at the epoch of reionization' [PDF](#)

Intl. Conf.: Hubble Frontier Fields @ Yale

12/11/2014 - 14/11/2014

Caltech, Pasadena, CA, USA

Talk Contribution: 'HST Grism Spectroscopy of the HFF with GLASS: Ly α Emitters at $z > 6$ ' [PDF](#)

Keck Science Meeting

02/10/2014 - 03/10/2014

Caltech, Pasadena, CA, USA

Talk Contribution: 'Galaxies at The EoR: The Synergy Between HST and Keck-MOSFIRE'

Intl. Conf.: The Distant Universe

02/07/2014 - 07/07/2014

Cefalu, Italy,

Talk Contribution: 'GLASS: The Universe at $z > 6$ and Resolved Metallicity Maps at $z \sim 2$ ' [PDF](#)

GLASS Collaboration meeting, organizer

28/4/2014 - 2/5/2014

UCSB, Santa Barbara, CA, USA

Talk Contributions: 'The Reduction Pipeline and Data',

'Glass Inspection GUI: intro and workshop', &

'The High-Redshift Universe with GLASS'

Intl. Conf.: 223rd AAS meeting

05/01/2014 - 09/01/2014

Washington D.C., MD, USA

Talk Contribution: 'BoRG: Luminosity Function and Spectroscopic Follow-Up of Galaxies at $z \sim 8$ ' [ADS](#)

Poster Contribution: 'First results from the HST Grism Lens-Amplified Survey from Space' [PDF](#)

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| ELIXIR annual meeting Leiden University, The Netherlands <i>Talk Contribution: 'Quasar Variability and Star Formation in Mergers'</i> | 12/11/2012 - 13/11/2012 |
| ELIXIR School: What Will It Look Like to Observe with NIRSpec? ESTEC, Noordwijk, The Netherlands | 26/09/2012 - 27/09/2012 |
| 3D-HST meeting Videocon., MPIA, Heidelberg, Germany <i>Talk Contribution: 'The Spatial Extent of Star Formation in 3D-HST Mergers at $z \sim 1.5$'</i> | 07/05/2012 - 09/05/2012 |
| Intl. Conf.: 'The Physics of Astronomical Transients' Aspen Center for Physics, Aspen, CO, USA <i>Talk Contribution: 'Quasar Variability - Selection of and Physics in Quasars'</i> | 22/01/2012 - 27/01/2012 |
| Intl. Conf.: 219th AAS meeting Austin, TX, USA <i>Dissertation Talk Contribution: 'Quasar Variability - Selection of and Physics in Quasars'</i> ADS | 08/01/2012 - 12/01/2012 |
| Intl. Conf.: 'Watching Galaxies Grow Up' Ringberg Castle, Kreuth, Germany <i>Invited Talk Contribution: 'Star Formation in Mergers at $z \sim 1.5$'</i> | 05/12/2011 - 09/12/2011 |
| MPIA Galaxy & Cosmology Department Retreat Neuwied, Germany <i>Talk Contribution: 'Star Formation Maps and Mergers at $z \sim 1.5$'</i> | 17/10/2011 - 19/10/2011 |
| 3D-HST meeting University of Leiden, Leiden, The Netherlands <i>Talk Contribution: 'Star Formation in High-z Mergers'</i> | 10/10/2011 - 14/10/2011 |
| ELIXIR annual meeting CAB - Centro de Astrobiología, Madrid, Spain <i>Talk Contribution: 'Frontiers of Galaxy Formation: 3D Spectroscopy and Time-Domain Observations'</i> | 05/10/2011 - 06/10/2011 |
| Intl. Conf.: 'Galaxy Formation' Durham University, Durham, UK <i>Poster Contribution: 'Emission Line Maps of Galaxies at $z \sim 1.7$'</i> PDF | 18/06/2011 - 22/06/2011 |
| ELIXIR School: How a Space Project Works ESTEC, Noordwijk, The Netherlands | 20/05/2011 - 21/05/2011 |
| 3D-HST meeting University of Yale, New Haven, CT, USA <i>Talk Contribution: 'Emission Line Mapping of (Potential) Mergers'</i> | 06/05/2011 - 12/05/2011 |
| 3D-HST meeting University of Leiden, Leiden, The Netherlands <i>Talk Contribution: 'Emission Line Maps of $z \sim 1$ Galaxies'</i> | 03/03/2011 - 07/03/2011 |
| Slitless Spectroscopy Workshop STScI, Baltimore, MD, USA | 15/11/2010 - 16/11/2010 |
| ELIXIR annual meeting IAP, Paris, France <i>Talk Contribution: 'Galaxy Dynamics with NIRSpec'</i> | 03/11/2010 - 05/11/2010 |

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| 3D-HST meeting University of Yale, New Haven, CT, USA | 13/09/2010 - 15/09/2010 |
| Summer School: ‘First Stars & Cosmic Reionization’ IMPRS Heidelberg, Heidelberg, Germany | 06/09/2010 - 10/09/2010 |
| Pan-STARRS1 Science Consortium Meeting Queens University, Belfast, Northern Ireland <i>Talk Contribution: ‘(QSO) Variability Selection Training’</i> | 30/08/2010 - 03/09/2010 |
| Intl. Conf.: ‘The First Galaxies, Quasars and Gamma-Ray Bursts’ Pennsylvania State University, State College, PA, USA <i>Poster Contribution: ‘Selecting Quasars via Variability’</i> PDF | 06/06/2010 - 10/06/2010 |
| ELIXIR School: ‘The JWST/NIRSpec project’ EADS/Astrium GmbH, Ottobrunn, Germany | 31/05/2010 - 02/06/2010 |
| IMPRS science retreat Cologne, Germany <i>Talk Contribution: ‘Quasar Candidate Selection Via Variability’</i> | 26/05/2010 - 28/05/2010 |
| MPIA Galaxy & Cosmology Department Retreat Maulbronn, Germany <i>Talk Contribution: ‘QSO Variability Selection’</i> | 21/04/2010 - 23/04/2010 |
| ELIXIR annual meeting University of Oxford, UK <i>Talk Contribution: ‘Quasar Variability and High-z Mergers’</i> | 10/12/2009 - 11/12/2009 |
| IAU Symposium 267: ‘Evolution of Galaxies and Central Black Holes’ IAU XXVII General Assembly, Rio de Janeiro, Brazil <i>Poster Contribution: ‘Detecting Quasars by their Variability’</i> PDF Proceedings IAU Symposium No. 267, 2009, p. 265 | 10/08/2009 - 14/08/2009 |
| Pan-STARRS IPP workshop Institute for Astronomy, University of Hawaii | 18/05/2009 - 22/05/2009 |
| Intl. Conf.: ‘Classification and Discovery in Large Astronomical Surveys’ Max Planck Institute for Astronomy, Heidelberg | 14/10/2008 - 17/10/2008 |
| Intl. Conf.: ‘Dark Matter Workshop’ Dark Cosmology Center, University of Copenhagen | 20/08/2007 - 24/08/2007 |

Talks/Presentations

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| ‘The Epoch of Reionization Through GLASS Spectroscopy at $z > 6$’ Astronomy Seminar, University of California Riverside, Riverside, CA, USA | 19/11/2014 |
| ‘Investigating the Epoch of Reionization with Keck and GLASS Spectroscopy’ Carnegie Colloquium, Carnegie Observatories, Pasadena, CA, USA | 07/10/2014 |
| ‘GLASS: Dissecting Reionization and $z \sim 2$ Galaxies’ Coffee Talk, MPIA, Heidelberg, Germany | 17/07/2014 |
| ‘GLASS: Probing Galaxies at the Epoch of Reionization ($z > 6$)’ Lunch Talk, Leiden Observatory, Leiden, The Netherlands | 16/07/2014 |

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| ‘GLASS: Probing Galaxies at the Epoch of Reionization ($z > 6$)’ Lunch Talk, Royal Observatory of Edinburgh, Edinburgh, Scotland | 07/07/2014 |
| ‘GLASS: Probing Galaxies at the Epoch of Reionization ($z > 6$)’ Lunch Talk, DARK Cosmology Center, University of Copenhagen, Denmark | 25/06/2014 |
| ‘The Brightest of Reionizing Galaxies (BoRG) survey: The $z \sim 8$ luminosity function and spectroscopic follow-up’ Cosmology Seminar, University of California Davis, Davis, CA, USA | 21/11/2013 |
| ‘The Brightest of Reionizing Galaxies (BoRG) survey: The $z \sim 8$ luminosity function and spectroscopic follow-up with MOSFIRE’ Galaxy Formation Seminar, University of California Berkeley, Berkeley, CA, USA | 19/11/2013 |
| ‘The Brightest of Reionizing Galaxies Survey: Luminosity Function at $z \sim 8$ and Spectroscopic Follow-Up’ Galaxy Evolution Seminar, Institute of Astronomy, Cambridge, UK | 13/09/2013 |
| ‘Quasar Variability - Selection of and Physics in Quasars’ AGN Group Talk, STScI, Baltimore, MD, USA | 27/01/2012 |
| ‘Star formation in Mergers at $z \sim 1.5$’ Galaxy Group Talk, STScI, Baltimore, MD, USA | 27/01/2012 |
| ‘Quasar Variability - Selection of and Physics in Quasars’ Lunch Talk, University of California Santa Barbara, Santa Barbara, CA, USA | 20/01/2012 |
| ‘Star formation in Galaxy Mergers at $z \sim 1.5$’ Lunch Talk, University of Washington, Seattle, WA, USA | 17/01/2012 |
| ‘Quasar Variability - Selection of and Physics in Quasars’ Lunch Talk, Carnegie Observatories, Pasadena, CA, USA | 06/01/2012 |
| ‘Selecting QSOs via variability (in PS1)’ Gaia classification meeting, MPA, Heidelberg, Germany | 02/02/2011 |
| ‘Finding Lenses With Quasar Variability’ LiHD - Lensing in Heidelberg. Monthly Gravitational Lensing Session, Heidelberg, Germany | 31/03/2010 |
| ‘Variability Selection of Quasars’ MPA, Heidelberg, Germany | 10/02/2010 |
| ‘Finding Gravitationally lensed QSOs in Pan-STARRS (and SDSS)’ IMPRS seminar, University of Heidelberg, Germany | 18/06/2009 |
| ‘Dark Matter Structures were not that Trivial’ Lunch Talk, University of California Santa Barbara, Santa Barbara, CA, USA | 13/02/2009 |
| ‘Dark Matter Structures - Rotation and Jeans’ MPA, Heidelberg, Germany | 15/05/2008 |
| ‘Angular Momentum of Dark Matter Structures’ Dark Cosmology Centre, University of Copenhagen, Denmark | 17/01/2008 |