

CURRICULUM VITAE

Dr. Kasper B. Schmidt

Contact Information

Kasper Borello Schmidt
Leibniz-Institut für Astrophysik Potsdam (AIP)
An der Sternwarte 16
14482 Potsdam, Germany

E-mail kbschmidt@aip.de
Tel.(work) +49 (0) 331 7499 523
Tel.(cell) +49 (0) 152 2873 3805
Web: <http://kasperschmidt.github.io/>

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
lwisotzki@aip.de

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, Ly α emission line searches, rest-frame UV emission line diagnostics, emission line mapping, merger statistics, star formation diagnostics

Quasar Variability: modeling, quasar selection, color changes, AGN accretion disk physics

Dark Matter Structures: kinematics, theoretical description, interactions

Gravitational Lensing: selection and detection (via variability), emission line mapping, cluster lens modeling,

Methods: Markov chain Monte Carlo, Bayesian statistics, empirical modeling, data mining, visual inspection, structure functions, luminosity functions

Research Experience and Positions

External Reviewer for Chinese Telescope Access Program TAC	2017 - Pres.
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 and Teaching Experience

Tutoring middle school interns, AIP	2017 - present
ESO and AIP press releases on MUSE UDF work	29/11/2017
International Teaching Professionals program participant	21/08/2017 - present
Supervisor for F. van Donkelaar's Personal Pursuit, University of Twente	01/12/2016 - 01/08/2017
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 http://highz-malta.com/registration/outreach	21/07/2016
Substitute lecturer on ' Astro 2 ' for Prof. Tommaso Treu	14/05/2013 & 23/05/2013
Press release on SN Refsdal: http://www.news.ucsb.edu/2015/015059/supernova-quadrupled	05/03/2015
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
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

Publications

63. ‘Recovering the systemic redshift of galaxies from their Lyman-alpha line profile’
Anne Verhamme, Thibault Garel, ..., **Kasper B. Schmidt**, et al.
[2017](#), [Accepted by MNRAS](#) , [ArXiv:1804.01883](#)
62. ‘Metal Deficiency in Two Massive Dead Galaxies at $z \sim 2$ ’
Takahiro Morishita, Louis Abramson, ..., **Kasper B. Schmidt**, et al.
[2018](#), [ArXiv:1803.01852](#)
61. ‘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](#), [Accepted by MNRAS](#)
60. ‘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](#), [ArXiv:1802.02591](#)
59. ‘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](#), [Accepted by Nature Astronomy](#), [ArXiv:1706.10279](#)
58. ‘Two Peculiar Fast Transients in a Strongly Lensed Host Galaxy’
Steven Rodney, Italo Balestra, ..., **Kasper B. Schmidt**, et al.
[2018](#), [Accepted by Nature Astronomy](#), [ArXiv:1707.02434](#)
57. ‘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
56. ‘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
55. ‘The MUSE-Wide survey: A measurement of the $\text{Ly}\alpha$ emitting fraction among $z > 3$ galaxies’
Joseph Caruana, Lutz Wisotzki, ..., **Kasper B. Schmidt**, et al.
[2018](#), [MNRAS](#) **473**, 30
54. ‘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.
[2017](#), [ArXiv:1710.00843](#)
53. ‘HST Grism Observations of a Gravitationally Lensed Redshift 10 Galaxy’
Austin Hoag, Maruša Bradač, ..., **Kasper B. Schmidt**, et al.
[2017](#), [ArXiv:1709.03992](#)
52. ‘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
51. ‘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
50. ‘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

49. ‘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](#)
48. ‘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](#)
47. ‘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](#)
46. ‘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](#)
45. ‘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](#)
44. ‘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](#)
43. ‘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](#)
42. ‘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](#)
41. ‘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](#)
40. ‘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](#)
39. ‘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](#)
38. ‘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](#)
37. ‘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](#)

36. ‘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](#)
35. ‘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](#)
34. ‘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](#)
33. ‘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](#)
32. ‘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](#)
31. ‘The Grism Lens-Amplified Survey from Space (GLASS). III. A census of $\text{Ly}\alpha$ Emission at $z \gtrsim 7$ from *HST* Spectroscopy’
Kasper B. Schmidt, Tommaso Treu, Marusa Bradač, et al.
[2016, ApJ, 818, 38](#)
30. ‘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](#)
29. ‘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](#)
28. ‘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](#)
27. ‘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](#)
26. ‘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](#)
25. ‘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](#)
24. ‘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](#)

23. **‘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](#)
22. **‘Quasar Classification Using Color and Variability’**
Christina M. Peters, Gordon T. Richards, ..., **Kasper B. Schmidt**, et al.
[2015, ApJS, 811, 2](#)
21. **‘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](#)
20. **‘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](#)
19. **‘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](#)
18. **‘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](#)
17. **‘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](#)
16. **‘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](#)
15. **‘The Changing $\text{Ly}\alpha$ 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](#)
14. **‘A Candidate $z \sim 8$ Galaxy Lensed by a Foreground $z \sim 1.7$ group’**
Robert L. Barone-Nugent, J. Stuart B. Wyithe, ..., **Kasper B. Schmidt**
[2013, ArXiv:1303.6109](#)
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

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’ EWASS2018, Liverpool, UK Meeting URL	04/04/2018
‘GLASS: Physical Parameters at the EoR and Metallicity Maps out to $z \sim 2$’ Lorentz Center, Leiden, Netherlands	26/10/2017

[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’ 21/11/2013
Cosmology Seminar, University of California Davis, Davis, CA, USA

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 $\text{Ly}\alpha$ 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 $\text{Ly}\alpha$ 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’ &
‘ $\text{Ly}\alpha$ 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](#)

ELIXIR annual meeting

12/11/2012 - 13/11/2012

Leiden University, The Netherlands

Talk Contribution: 'Quasar Variability and Star Formation in Mergers'

ELIXIR School: What Will It Look Like to Observe with NIRSpc?

26/09/2012 - 27/09/2012

ESTEC, Noordwijk, The Netherlands

3D-HST meeting

07/05/2012 - 09/05/2012

Videocon., MPIA, Heidelberg, Germany

Talk Contribution: 'The Spatial Extent of Star Formation in 3D-HST Mergers at $z \sim 1.5$ '

Intl. Conf.: 'The Physics of Astronomical Transients'

22/01/2012 - 27/01/2012

Aspen Center for Physics, Aspen, CO, USA

Talk Contribution: 'Quasar Variability - Selection of and Physics in Quasars'

Intl. Conf.: 219th AAS meeting

08/01/2012 - 12/01/2012

Austin, TX, USA

Dissertation Talk Contribution: 'Quasar Variability - Selection of and Physics in Quasars' [ADS](#)

Intl. Conf.: 'Watching Galaxies Grow Up'

05/12/2011 - 09/12/2011

Ringberg Castle, Kreuth, Germany

Invited Talk Contribution: 'Star Formation in Mergers at $z \sim 1.5$ '

MPIA Galaxy & Cosmology Department Retreat

17/10/2011 - 19/10/2011

Neuwied, Germany

Talk Contribution: 'Star Formation Maps and Mergers at $z \sim 1.5$ '

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 Astrobiologia, 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
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	10/12/2009 - 11/12/2009

Talk Contribution: ‘Quasar Variability and High- z Mergers’

IAU Symposium 267: ‘Evolution of Galaxies and Central Black Holes’ 10/08/2009 - 14/08/2009
 IAU XXVII General Assembly, Rio de Janeiro, Brazil
Poster Contribution: ‘Detecting Quasars by their Variability’ [PDF](#)
[Proceedings IAU Symposium No. 267, 2009, p. 265](#)

Pan-STARRS IPP workshop 18/05/2009 - 22/05/2009
 Institute for Astronomy, University of Hawaii

Intl. Conf.: ‘Classification and Discovery in Large Astronomical Surveys’ 14/10/2008 - 17/10/2008
 Max Planck Institute for Astronomy, Heidelberg

Intl. Conf.: ‘Dark Matter Workshop’ 20/08/2007 - 24/08/2007
 Dark Cosmology Center, University of Copenhagen

Talks/Presentations

‘The Epoch of Reionization Through GLASS Spectroscopy at $z > 6$ ’ 19/11/2014
 Astronomy Seminar, University of California Riverside, Riverside, CA, USA

‘Investigating the Epoch of Reionization with Keck and GLASS Spectroscopy’ 07/10/2014
 Carnegie Colloquium, Carnegie Observatories, Pasadena, CA, USA

‘GLASS: Dissecting Reionization and $z \sim 2$ Galaxies’ 17/07/2014
 Coffee Talk, MPIA, Heidelberg, Germany

‘GLASS: Probing Galaxies at the Epoch of Reionization ($z > 6$)’ 16/07/2014
 Lunch Talk, Leiden Observatory, Leiden, The Netherlands

‘GLASS: Probing Galaxies at the Epoch of Reionization ($z > 6$)’ 07/07/2014
 Lunch Talk, Royal Observatory of Edinburgh, Edinburgh, Scotland

‘GLASS: Probing Galaxies at the Epoch of Reionization ($z > 6$)’ 25/06/2014
 Lunch Talk, DARK Cosmology Center, University of Copenhagen, Denmark

**‘The Brightest of Reionizing Galaxies (BoRG) survey:
 The $z \sim 8$ luminosity function and spectroscopic follow-up’** 21/11/2013
 Cosmology Seminar, University of California Davis, Davis, CA, USA

**‘The Brightest of Reionizing Galaxies (BoRG) survey:
 The $z \sim 8$ luminosity function and spectroscopic follow-up with MOSFIRE’** 19/11/2013
 Galaxy Formation Seminar, University of California Berkeley, Berkeley, CA, USA

**‘The Brightest of Reionizing Galaxies Survey:
 Luminosity Function at $z \sim 8$ and Spectroscopic Follow-Up’** 13/09/2013
 Galaxy Evolution Seminar, Institute of Astronomy, Cambridge, UK

‘Quasar Variability - Selection of and Physics in Quasars’ 27/01/2012
 AGN Group Talk, STScI, Baltimore, MD, USA

‘Star formation in Mergers at $z \sim 1.5$ ’ 27/01/2012
 Galaxy Group Talk, STScI, Baltimore, MD, USA

‘Quasar Variability - Selection of and Physics in Quasars’ 20/01/2012
 Lunch Talk, University of California Santa Barbara, Santa Barbara, CA, USA

‘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, MPIA, 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’ MPIA, 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’ MPIA, Heidelberg, Germany	15/05/2008
‘Angular Momentum of Dark Matter Structures’ Dark Cosmology Centre, University of Copenhagen, Denmark	17/01/2008