

CURRICULUM VITAE

Dr. Kasper B. Schmidt

Contact Information

Kasper Borello Schmidt
Leibniz-Institut für Astrophysik Potsdam (AIP)
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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)
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Prof. Hans-Walter Rix

Max Planck Institute for
Astronomy (MPIA)
Tel: +49 (0)622 1528 210
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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

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

59. 'The MUSE Hubble Ultra Deep Field Survey: IV. Global properties of C III] emitters'
Michael Maseda, Jarle Brinchmann, ..., **Kasper B. Schmidt**, et al.
[2017, Accepted to A&A , ArXiv:1710.06432](#)
58. '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, Submitted to AAS Journals, ArXiv:1710.00843](#)

57. ‘HST Grism Observations of a Gravitationally Lensed Redshift 10 Galaxy’
Austin Hoag, Maruša Bradač, ..., **Kasper B. Schmidt**, et al.
[2017, Submitted to ApJ, ArXiv:1709.03992](#)
56. ‘The MUSE-Wide survey: A measurement of the Ly α emitting fraction among $z > 3$ galaxies’
J. Caruana, L. Wisotzki, ..., **Kasper B. Schmidt**, et al.
[2017, Accepted by MNRAS, ArXiv:1709.00991](#)
55. ‘Two Peculiar Fast Transients in a Strongly Lensed Host Galaxy’
S. Rodney, I. Balestra, ..., **Kasper B. Schmidt**, et al.
[2017, ArXiv:1707.02434](#)
54. ‘An individual star at redshift 1.5 extremely magnified by a galaxy-cluster lens’
P. Kelly, J. M. Diego, ..., **Kasper B. Schmidt**, et al.
[2017, Submitted, ArXiv:1706.10279](#)
53. ‘The MUSE-Wide Survey: A first catalogue of 831 emission line galaxies’
Edmund C. Herenz, Tanya Urrutia, ..., **Kasper B. Schmidt**, et al.
[2017, Accepted by A&A, ArXiv:1705.08215](#)
52. ‘Strong lensing analysis of Abell 2744 with MUSE and Hubble Frontier Fields images..’
Guillaume Mahler, Johan Richard, ..., **Kasper B. Schmidt**, et al.
[2017, Accepted by MNRAS, ArXiv:1702.06962](#)
51. ‘Characterizing Intra-cluster light at $z \sim 0.5$ in the Hubble Frontier Fields’
Takahiro Morishita, Louis Abramson, ..., **Kasper B. Schmidt**, et al.
[2017, Accepted by ApJL, ArXiv:1610.08503](#)
50. ‘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.
[2016, Submitted to MNRAS, ArXiv:1609.04822](#)
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 Ly α Emission at $z \gtrsim 7$ from HST Spectroscopy’**
Kasper B. Schmidt, Tommaso Treu, Maruša 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 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](#)
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: Physical Parameters at the EoR and Metallicity Maps out to $z \sim 2$’ Lorentz Center, Leiden, Netherlands Meeting URL	26/10/2017
‘Searching for rest-frame UV lines in the Early Universe with GLASS and MUSE’ ESO Vitacura, Santiago, Chile Seminar URL	25/05/2017
‘GLASS: Spectroscopy of a Lens-Magnified Early Universe’ The growth of galaxies in the Early Universe - III, Sexten, Italy Meeting URL	20/01/2017
‘Highlights from GLASS: Probing Galaxy Evolution from Redshift 0 to 8 with Slitless HST Spectroscopy of Lensing Clusters’ Centre de Recherche Astrophysique de Lyon (CRAL) Seminar Seminar URL	14/10/2016
‘The Grism Lens-Amplified Survey From Space (GLASS): Grism Spectroscopy of Clusters and The Early Universe’ Census, Evolution, Physics meeting, Yale, Connecticut, US Meeting URL , PDF	16/11/2015
‘The Epoch of Reionization: Observing Galaxies in Their Cradle’ Frank N. Bash Symposium 2015, New Horizons in Astronomy, Austin, Texas, US Meeting URL , Proceeding: PoS(BASH2015)014	20/10/2015
‘The Grism Lens-Amplified Survey From Space (GLASS): HST Grism Spectroscopy of the HFF’ 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	03/08/2015

‘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.: 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](#)*
- 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 NIRSpec?** 26/09/2012 - 27/09/2012
ESTEC, Noordwijk, The Netherlands
- 3D-HST meeting** 07/05/2012 - 09/05/2012
Videocon., MPA, 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** 10/10/2011 - 14/10/2011
University of Leiden, Leiden, The Netherlands
Talk Contribution: 'Star Formation in High- z Mergers'
- ELIXIR annual meeting** 05/10/2011 - 06/10/2011
CAB - Centro de Astrobiología, Madrid, Spain
Talk Contribution: 'Frontiers of Galaxy Formation: 3D Spectroscopy and Time-Domain Observations'
- Intl. Conf.: 'Galaxy Formation'** 18/06/2011 - 22/06/2011
Durham University, Durham, UK
Poster Contribution: 'Emission Line Maps of Galaxies at $z \sim 1.7$ ' [PDF](#)
- ELIXIR School: How a Space Project Works** 20/05/2011 - 21/05/2011
ESTEC, Noordwijk, The Netherlands
- 3D-HST meeting** 06/05/2011 - 12/05/2011
University of Yale, New Haven, CT, USA
Talk Contribution: 'Emission Line Mapping of (Potential) Mergers'
- 3D-HST meeting** 03/03/2011 - 07/03/2011
University of Leiden, Leiden, The Netherlands
Talk Contribution: 'Emission Line Maps of $z \sim 1$ Galaxies'
- Slitless Spectroscopy Workshop** 15/11/2010 - 16/11/2010
STScI, Baltimore, MD, USA
- ELIXIR annual meeting** 03/11/2010 - 05/11/2010
IAP, Paris, France
Talk Contribution: 'Galaxy Dynamics with NIRSpec'
- 3D-HST meeting** 13/09/2010 - 15/09/2010
University of Yale, New Haven, CT, USA
- Summer School: 'First Stars & Cosmic Reionization'** 06/09/2010 - 10/09/2010
IMPRS Heidelberg, Heidelberg, Germany
- Pan-STARRS1 Science Consortium Meeting** 30/08/2010 - 03/09/2010
Queens University, Belfast, Northern Ireland
Talk Contribution: '(QSO) Variability Selection Training'
- Intl. Conf.: 'The First Galaxies, Quasars and Gamma-Ray Bursts'** 06/06/2010 - 10/06/2010
Pennsylvania State University, State College, PA, USA
Poster Contribution: 'Selecting Quasars via Variability' [PDF](#)

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

‘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
‘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’	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 $z \sim 1.5$ ’** 17/01/2012
Lunch Talk, University of Washington, Seattle, WA, USA
- ‘Quasar Variability - Selection of and Physics in Quasars’** 06/01/2012
Lunch Talk, Carnegie Observatories, Pasadena, CA, USA
- ‘Selecting QSOs via variability (in PS1)’** 02/02/2011
Gaia classification meeting, MPA, Heidelberg, Germany
- ‘Finding Lenses With Quasar Variability’** 31/03/2010
LiHD - Lensing in Heidelberg. Monthly Gravitational Lensing Session, Heidelberg, Germany
- ‘Variability Selection of Quasars’** 10/02/2010
MPA, Heidelberg, Germany
- ‘Finding Gravitationally lensed QSOs in Pan-STARRS (and SDSS)’** 18/06/2009
IMPRS seminar, University of Heidelberg, Germany
- ‘Dark Matter Structures were not that Trivial’** 13/02/2009
Lunch Talk, University of California Santa Barbara, Santa Barbara, CA, USA
- ‘Dark Matter Structures - Rotation and Jeans’** 15/05/2008
MPA, Heidelberg, Germany
- ‘Angular Momentum of Dark Matter Structures’** 17/01/2008
Dark Cosmology Centre, University of Copenhagen, Denmark