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LAM – Laboratoire d’Astrophysique de Marseille, Marseille, France

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RESEARCH INTERESTS

Galaxy formation and evolution; High redshift galaxies; Stellar populations; Galaxy structure and morphology; Physical properties of star-forming galaxies; Active Galactic Nuclei; Multi-wavelength surveys; Photometric redshifts; Data processing.

EDUCATION

- **Arizona State University**, Tempe, AZ, USA
 - Ph.D. Physics/Astronomy (2008)
Advisors: Rogier Windhorst & Sangeeta Malhotra
Thesis: Structural and Physical Properties of High Redshift Galaxies in the Hubble Ultra Deep Field
 - M.S. Physics/Astronomy (2002)
- **University of Queensland**, Brisbane, QLD, Australia
 - M.Sc. Astrophysics (1997)
Advisor: B. J. O’Mara
Thesis: A Determination of the Chemical Composition of α Centauri A from Strong Lines
 - PG Diploma Physics (1995)
- **Gujarat University**, Ahmedabad, Gujarat, India
 - M.Sc. Physics (1993)
 - B.Sc. Physics (1990)

RESEARCH EXPERIENCE

- **LAM – Laboratoire d’Astrophysique de Marseille**, Marseille, France
 - [Postdoctoral] Research Associate (2013 – 2016)
- **Observatories of the Carnegie Institution for Science**, Pasadena, CA, USA
 - [Postdoctoral] Research Associate (2010 – 2013)
- **University of California**, Riverside, CA, USA
 - [Postdoctoral] Research Scholar (2008 – 2010)
- **Arizona State University**, Tempe, AZ, USA
 - [Graduate] Research Associate (2005 – 2008)
 - [Graduate] Research Associate (May 2004 – Dec 2004)
 - [Graduate] Research Assistant (May 2003 – Dec 2003)
- **University of Western Australia**, Perth, WA, Australia

→ Academic Visitor (Mar 1998 – Oct 1998)

- **University of Queensland**, Brisbane, QLD, Australia
 - Research Scholar (1996 – 1997)
 - Post-graduate Diploma – Research Project (Feb 1995 – Dec 1995)
- **Space Application Center (ISRO)**, Ahmedabad, Gujarat, India
 - Post-graduate – Practical Training (Jun 1993 – Dec 1993)

PUBLICATIONS

Total 177 publications

Refereed

- Number of publications (with submitted): 102 (109)
- Number of publications as 1st/2nd/3rd author: 9/4/3
- Citations: 6000+
- *h*-index: 35 [35 papers with ≥ 35 citations]

Non-Refereed

- Number of publications: 75
- Number of publications as 1st/2nd/3rd author: 23/2/7

PROFESSIONAL ORGANIZATIONS

- Member International Astronomical Union (IAU)
- Member American Astronomical Society (AAS)
- Member Astronomical Society of India (ASI)

PROFESSIONAL ACTIVITIES

- Referee For Peer-reviewed Journals
 - The Astrophysical Journal (ApJ)
 - Monthly Notices of the Royal Astronomical Society (MNRAS)
- Panelist NASA Astrophysics Data Analysis Program proposal review (2011, 2013, 2016)
- Member TMT — Thirty Meter Telescope — International Science and Development Team: Early Universe, Galaxy Formation and the IGM (2015 - present)
- Member ATHENA — Advanced Telescope for High Energy Astrophysics — Science Working Group: Multiwavelength Synergy (2015 - present)
- Organizer Seminar organizing committee at LAM, Marseille (2013 – 2016)
- Manager Weekly astro-ph arXiv email listing at LAM, Marseille (2014 – 2016)
- Judge The Rodger Doxsey Travel Prize by AAS
 - 227th Meeting (Jan 2016) in Kissimmee, FL, USA

- Judge Chambliss Astronomy Achievement Student Awards at AAS meetings
→ 217th Meeting (Jan 2011) in Seattle, WA, USA
→ 219th Meeting (Jan 2012) in Austin, TX, USA
→ 221st Meeting (Jan 2013) in Long Beach, CA, USA
- Volunteer Sort/organize presentations and sessions for **10** AAS meetings (2011 – 2016)

WORK AND PERSONAL RECOGNITIONS/ACHIEVEMENTS

- Jun 2014 NASA Hubble press release STScI-2014-25 (Science Team).
- Nov 2011 NASA Hubble press release STScI-2011-31 (Science Team).
- Sep 2011 NASA Hubble press release STScI-2011-27 (Science Team).
- Jan 2010 NASA Hubble press release STScI-2010-01 (Data Team).
- Jan 2007 Certificate, “Chambliss Student Achievement Awards - Honorable Mention” for poster presentation at the 209th AAS Meeting in Seattle, WA, USA.
- Jan 2006 NASA Hubble press release STScI-2006-04 (Science Team).
- Dec 2005 Supernova 2005mr at $z \sim 0.68$ in the GOODS-North field (Discovery Team).
- Aug 2005 Astronomy.com article by Ken Croswell on L- & T- Dwarf paper (Co-I).
- Apr 2003 Discovery of the first direct Supernova/GRB connection: GRB 030329 / SN 2003dh (Discovery Team): Many articles on this discovery including *Science* Magazine’s Top 10 for 2003, ASU Department News and UofA News.
- Dec 1997 Master’s Thesis cited in MSSSO (Australia) Annual Report 1997.

RESEARCH GRANTS AND SCHOLARSHIPS

Note: I have contributed to bringing in over 2 million USD in grants through archival/GO proposals, and I have received grants/scholarships totaling ~\$200K.

- 2016 TMT–Japan Grant (PI, ¥190,084)
- 2016 NSF/Aspen Center for Physics Grant (PI, \$500)
- 2015 International Astronomical Union/IAU Grant (PI, \$2000)
- 2014 City of Marseille: Scholarship/Grant for Foreign Researchers (PI, €2000)
- 2013 AAS International Travel Grant (PI, \$2700)
- 2013 – 2014 Co-I, HST/WFC3 Cycle 21 Archival Program (AR 13266: PI Ryan: \$90K)
- 2013 – 2014 HST/WFC3 Multi-Cycle Treasury CANDELS Program (GO 12060-64: PIs Faber/Ferguson): Co-I/Carnegie’s portion of the project. (\$44K)
- 2013 – 2014 Co-I, NASA ADAP Program (12-ADAP12-0249: PI Scarlata: \$180K)
- 2012 – 2013 Co-I, HST/WFC3 Cycle 20 Archival Program (AR 12821: PI Scarlata: \$90K)
- 2012 AAS International Travel Grant (PI, \$1800)

- 2012 AAS Small Research Grant (PI, \$4800)
- 2011 – 2012 HST/WFC3 Multi-Cycle Treasury CANDELS Program (GO 12060-64: PIs Faber/Ferguson): Co-I/Carnegie’s portion of the project. (\$35K)
- 2011 AAS International Travel Grant (PI, \$1500)
- 2011 – 2013 Co-I, HST/ACS Cycle 19 Archival Legacy Program (AR 12636: PI Mobasher: \$150K)
- 2007 – 2009 Co-I, HST/STIS Cycle 16 Archival Legacy Program (AR 11258: PI Jansen: \$180K)
- 2007 Arizona State University’s Graduate and Professional Student Association Conference Travel Grants (PI, \$575)
- 2004 – 2005 Co-I, HST/ACS Cycle 13 Archival Program (AR 10298: PI Cohen: \$49K)
- 1999 – 2008 Awarded scholarships in the form of tuition waivers and health insurance premiums at Arizona State University, Tempe, AZ, USA for MS and PhD programs in Physics & Astronomy. (\sim \$10K/yr)
- 1996 – 1997 Postgraduate research scholarship at the Department of Physics, University of Queensland, Brisbane, QLD, Australia. (A\$15K/yr)

OBSERVING EXPERIENCE/TELESCOPE TIME AWARDED

→ **Observing Experience at:** Palomar, Magellan, Gemini, MMT

→ **Data Reduced/Analyzed for:** HST, Gemini, MMT, Subaru, CFHT, UKIRT, VLT

→ **Space Telescopes**

- 2016 – 2017 Co-I on a Spitzer/IRAC proposal; imaging of lensing galaxy clusters for JWST GTO program. (PI Yan: GO 13024 → 52.5 hours)
- 2011 – 2016 Co-I on the HST WISPS grism program; various parallel fields. (PI Malkan: GO 12568 → 260 orbits, GO 12902 → 260 orbits, GO 13352/13517 → 575 orbits, GO 14178 → 520 orbits)
- 2011 – 2016 Co-I on a Spitzer/IRAC proposal; imaging of the WISPS fields. (PI Colbert: GO 80134 → 39.4 hours, GO 90230 → 23.5 hours, GO 10041 → 24.4 hours, GO 12093 → 36.9 hours)
- 2014 – 2015 Co-I on the HST FIGS grism program; deep near-infrared spectroscopy in GOODS-S. (PI Malhotra: GO 13779 → 160 orbits)
- 2012 – 2013 Co-I on a HST/WFC3 near-infrared imaging proposal (PI Mechtley: GO 12974); $z \simeq 6$ QSO host galaxies. (25 orbits)
- 2010 – 2013 Co-I on the HST CANDELS imaging program (PIs Faber/Ferguson: GO 12060-64); near-infrared imaging of GOODS, EGS, COSMOS, and UDS fields. (Multi-cycle Treasury Program, 902 orbits)
- 2010 – 2011 Co-I on a HST/WFC3 near-infrared imaging proposal (PI Windhorst: GO 12332); $z \simeq 6$ QSO host galaxies. (10 orbits)

→ Ground Telescopes (PI and/or Large Programs Only)

- 2012 – 2014 Co-I on a 8.2m Very Large Telescope (Chile) FORS2 proposal; spectroscopic follow-up of high redshift galaxies in the CANDELS fields. (PI Pentericci: Large Program, 140 hours)
- 2011 – 2013 Co-I on a 6.5m Magellan Telescope (Chile) FIRE proposal; spectroscopic follow-up of $z \sim 2$ galaxies in the WISPS fields. (PI McCarthy: 2011A → 2 nights, 2011B → 3 nights, 2012A → 4 nights, 2012B → 4 nights, 2013A → 3 nights, 2013B → 3 nights)
- 2012 PI on a 6.5m Magellan Telescope (Chile) FIRE proposal; spectroscopic follow-up of $z \sim 2$ galaxies in the HIPPIES fields. (2012B → 3 nights)
- 2010 – 2012 Co-I on a 8.2m Very Large Telescope (Chile) HAWK-I proposal; deep K-band imaging in the CANDELS fields. (PI Fontana: Large Program, 208 hours)
- 2011 Co-I on a 10m Keck Telescope (HI, USA) DEIMOS proposal; spectroscopic follow-up of high redshift galaxies in the CANDELS fields. (PI Mobasher: 2011A → 2 nights, 2011B → 3 nights)
- 2003 Co-I on a 8m Gemini-South Telescope (Chile) GMOS proposal; spectroscopy of extremely red galaxies. (PI Dunlop: 2003B → 80 hours)
- 2003 PI on a 6.5m Multi-Mirror Telescope (FLWO, AZ, USA) Blue Channel Spectrograph proposal; long-slit spectroscopy of GRB 030329 and field elliptical galaxies at $z \sim 0.2\text{--}0.4$. (2003A → 2 nights, 2003B → 2 nights)

SCIENCE COLLABORATIONS AND CONTRIBUTIONS

- Member Co-I and/or a Team member on large survey teams.
 - VLT Survey – VIMOS Survey of the CANDELS fields (VANDELS)
 - My contributions: Team member, Science analysis
 - HST Survey – Faint Infrared Grism Survey (FIGS)
 - My contributions: CoI, Catalog building, Science analysis
 - VLT Survey – VIMOS Ultra Deep Survey (VUDS)
 - My contributions: Team member, Redshift measurements, Follow-up observations, Science analysis
 - HST Survey – Cosmic Assembly Near-infrared Deep Extragalactic Legacy Survey (CANDELS)
 - My contributions: CoI, Astrometry and data quality checks, Catalog building, Visual classifications, Follow-up observations, Science analysis
 - HST Survey – WFC3 Infrared Spectroscopic Parallel Survey (WISPS)
 - My contributions: CoI, Follow-up observations, Science analysis
 - HST Survey – WFC3 Early Release Science (ERS)
 - My contributions: Team member, Planning observations,

Data reduction, Science analysis

→ HST Survey – Probing Evolution And Reionization Spectroscopically (PEARS)

► My contributions: Team member, Data reduction, Science analysis

TEACHING EXPERIENCE

- **Laboratoire d'Astrophysique de Marseille**, Marseille, France
 - Research Mentor/Advisor (2013 – 2016)
Graduate Students – B. Wang/R. Thomas/B. Ribeiro (Primary Advisor: O. Le Fèvre)
- **Carnegie Observatories**, Pasadena, CA, USA
 - Research Mentor/Advisor (2011 – 2013)
Graduate Student – Daniel Masters (Primary Advisors: P. McCarthy, B. Mobasher)
- **University of California**, Riverside, CA, USA
 - Research Mentor/Advisor (2009 – 2010)
Graduate Student – Hooshang Nayyeri (Primary Advisor: B. Mobasher)
- **Arizona State University**, Tempe, AZ, USA
 - Teaching Associate (Jan 2005 – Apr 2005)
Spring → Physics 113/114 → General Physics Lab I/II
 - Teaching Associate (Jan 2004 – Apr 2004)
Spring → Physics 101 → Introduction to Physics
 - Teaching Assistant (Jan 2003 – Apr 2003)
Spring → Physics 113 → General Physics Lab I
 - Teaching Assistant (Jan 2002 – Dec 2002)
Spring → Physics 101/114 → Introduction to Physics/General Physics Lab II
Summer I → Physics 113 → General Physics Lab I
Summer II → Physics 131/132 → University Physics II Rec/Lab
Fall → Physics 121 → University Physics I
 - Teaching Assistant (Jan 2001 – Dec 2001)
Spring → Astronomy 114 → Astronomy Lab II
Summer I → Physics 121/122 → University Physics I Rec/Lab
Summer II → Astronomy 114 → Astronomy Lab II
Fall → Astronomy 111/Physics 101 → Introduction to Astronomy/Physics
 - Teaching Assistant (Jan 2000 – Dec 2000)
Spring → Astronomy 114 → Astronomy Lab II
Fall → Astronomy 113 → Astronomy Lab I
 - Teaching Assistant (Jan 1999 – Dec 1999)
Spring → Physics 113 → General Physics Lab I
Fall → Physics 111 → General Physics I

- **University of Western Australia**, Perth, WA, Australia
→ Lab Demonstrator (Mar 1998 – Jul 1998)
- **University of Queensland**, Brisbane, QLD, Australia
→ Lab Demonstrator (Jul 1997 – Nov 1997)

CONTRIBUTED/INVITED TALKS

- | | |
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| • Physical Research Laboratory (Ahmedabad, India) | September 2016 |
| • University of Birmingham (Birmingham, UK) | July 2016 |
| • VANDELS team meeting (Video Conference/Rome) | June 2016 |
| • TMT Science Forum (Kyoto, Japan) | May 2016 |
| • VUDS team meeting at INAF-IASF (Milan, Italy) | April 2016 |
| • ‘The Reionization Epoch’ conference (Aspen, CO) | March 2016 |
| • VUDS team meeting at LAM (Marseille, France) | November 2015 |
| • IAU General Assembly Symposium 319 (Honolulu, HI) | August 2015 |
| • ‘First stars/galaxies/black holes’ conference (Groningen, Netherlands) | June 2015 |
| • VUDS team meeting at INAF-OAR (Rome, Italy) | May 2015 |
| • Cafe Club @ LAM (Marseille, France) | March 2015 |
| • ‘Back at the Edge of the Universe’ conference (Sintra, Portugal) | March 2015 |
| • ‘EWASS 2014’ conference (Geneva, Switzerland) | July 2014 |
| • VUDS team meeting at INAF-OABO (Bologna, Italy) | April 2014 |
| • VUDS team meeting at INAF-IASF (Milan, Italy) | December 2013 |
| • Laboratoire d’Astrophysique de Marseille (Marseille, France) | June 2013 |
| • Pasadena Postdoc Retreat (Lake Arrowhead, CA) | April 2013 |
| • 221 st AAS Meeting (Long Beach, CA) | January 2013 |
| • CANDELS team meeting at University of California (Santa Cruz, CA) | September 2012 |
| • Carnegie Science Day (Pasadena, CA) | October 2011 |
| • ‘Young and Bright’ conference (Potsdam, Germany) | September 2011 |
| • 217 th AAS Meeting (Seattle, WA) | January 2011 |
| • WFC3 SOC team meeting at STScI (Baltimore, MD) | November 2009 |
| • University of California (Davis, CA) | February 2009 |
| • University of California (Riverside, CA) | November 2008 |
| • Defense talk at Arizona State University (Tempe, AZ) | May 2008 |
| • 211 th AAS Meeting (Austin, TX) | January 2008 |
| • PEARS team meeting at Arizona State University (Tempe, AZ) | April 2007 |

- Research talk at Arizona State University (Tempe, AZ) April 2007
- Steward Observatory Internal Symposium (Tucson, AZ) February 2007
- Research talk at Arizona State University (Tempe, AZ) October 2005
- Journal club talks at Arizona State University (Tempe, AZ) 1999 – 2002
- 13th National Congress of the AIP (Perth, Australia) October 1998
- University of Western Australia (Perth, Australia) July 1998

COMPUTER SKILLS

- **Operating Systems** Mac OS X, Unix/Linux, Microsoft Windows
- **Data Processing** SExtractor, IRAF/PyRAF, IDL, Python, SuperMongo, GALFIT
- **Word Processing** L^AT_EX, EMACS, Vi, Word/Pages, Excel/Numbers
- **Image Processing** DS9, IDL, Gimp
- **Presentation** L^AT_EX, Powerpoint/Keynote, HTML

CONFERENCES, MEETINGS, OBSERVING RUNS & VISITS

Date (Days)	Event	Purpose/ Presentation	Institute/Conference Location
Sep 2016 (1 day)	Work Visit	Talk	Physical Research Laboratory Ahmedabad, India
Aug 2016 (3 days)	Meeting	NASA Panel Review	Royal Sonesta Hotel Baltimore, MD, USA
Jul 2016 (1 day)	Work Visit	Talk	University of Birmingham Birmingham, UK
Jul 2016 (2 days)	Meeting	VUDS Team Meeting	Video Conference (Marseille) Virtual/Online
Jun 2016 (1 day)	Meeting	Talk @ VANDELS Team Meeting	Video Conference (Rome) Virtual/Online
May 2016 (3 days)	Meeting	Talk	TMT Science Forum Meeting Kyoto, Japan
Apr 2016 (3 days)	Meeting	Talk @ VUDS Team Meeting	INAF-IASF Milan, Italy
Mar 2016 (5 days)	Conference	Talk	The Reionization Epoch Aspen, CO, USA

Nov 2015 (2 days)	Meeting	Talk @ VUDS Team Meeting	Laboratoire d'Astrophysique Marseille, France
Aug 2015 (4 days)	Conference	Talk	IAU General Assembly (S319) Honolulu, HI, USA
Jun 2015 (3 days)	Conference	Talk	First stars/galaxies/black holes Groningen, Netherlands
May 2015 (3 days)	Meeting	Talk @ VUDS Team Meeting	INAF-OAR Rome, Italy
Mar 2015 (4 days)	Conference	Talk	Back at the Edge of the Universe Sintra, Portugal
Jul 2014 (5 days)	Conference	Talk	EWASS 2014 Geneva, Switzerland
May 2014 (5 days)	Conference	Poster	International Symposium Dubrovnik, Croatia
Apr 2014 (3 days)	Meeting	Talk @ VUDS Team Meeting	INAF-OABO Bologna, Italy
Dec 2013 (2 days)	Meeting	Talk @ VUDS Team Meeting	INAF-IASF Milan, Italy
Aug 2013 (2 days)	Meeting	NASA Panel Review	Hilton Hotel Baltimore, MD, USA
Jul 2013 (1.5 days)	Meeting	WISPS Team Meeting	Caltech/IPAC Pasadena, CA, USA
Jun 2013 (3 days)	Work Visit	Talk	Laboratoire d'Astrophysique Marseille, France
Apr 2013 (1 day)	Meeting	Talk	Pasadena Postdoc Retreat Lake Arrowhead, CA, USA
Apr 2013 (2 nights)	Observing	CoI Observer (PI: Rafelski)	Hale (200in/5.1m) Palomar Observatory, CA, USA
Jan 2013 (2 days)	Conference	Talk	221 st AAS Meeting Long Beach, CA, USA
Sep 2012 (5 days)	Meeting	Talk @ CANDELS Team Meeting	University of California Santa Cruz, CA, USA
Jun 2012 (3 days)	Conference	Poster	UV Astronomy: HST & Beyond Kauai, HI, USA

Jan 2012 (1 day)	Meeting	CANDELS SEDs, Catalogs WG Meeting	University of Texas Austin, TX, USA
Jan 2012 (4 days)	Conference	Poster	219 th AAS Meeting Austin, TX, USA
Oct 2011 (1 day)	Science Day	Talk	Carnegie Observatories Pasadena, CA, USA
Sep 2011 (5 days)	Conference	Talk	Young and Bright Potsdam, Germany
Aug 2011 (3 days)	Meeting	NASA Panel Review	NASA RESS Arlington, VA, USA
Aug 2011 (3 nights)	Observing	CoI Observer (PI: McCarthy)	Magellan (6.5m) Las Campanas Observatory, Chile
Jun 2011 (1 day)	Memorial	‘The End of an Era’ Allan Sandage Event	The Huntington Library San Marino, CA, USA
May 2011 (3 days)	Meeting	CANDELS Team Meeting	The Royal Observatory Edinburgh, UK
Apr 2011 (2 days)	Meeting	10 years Magellan Meeting	The Huntington Library San Marino, CA, USA
Mar 2011 (2 days)	Workshop	Poster	CGE Workshop at UC Irvine, CA, USA
Jan 2011 (1 day)	Meeting	WFC3 ERS Team Meeting	University of Washington Seattle, WA, USA
Jan 2011 (4 days)	Conference	Talk	217 th AAS Meeting Seattle, WA, USA
Nov 2010 (2 days)	Workshop	Reduce/Analyze Slitless Spectroscopy	STScI Baltimore, MD, USA
Oct 2010 (4 days)	Conference	Poster	Science with the HST – III Venice, Italy
Jan 2010 (4 days)	Conference	Poster	215 th AAS Meeting Washington DC, USA
Nov 2009 (3 days)	Meeting	Talk @ WFC3 ERS Team Meeting	STScI Baltimore, MD, USA
Oct 2009 (4 days)	Work Visit	WFC3 ERS data analysis	Arizona State University Tempe, AZ, USA

Sep 2009 (4 days)	Work Visit	WFC3 ERS data reduction	STScI Baltimore, MD, USA
May 2009 (3 days)	Work Visit	COSMOS NIR data reduction	Institute for Astronomy/UH Honolulu, HI, USA
May 2009 (4 days)	Visit	HST SM4 shuttle launch	Kennedy Space Center Orlando, FL, USA
Feb 2009 (1 day)	Work Visit	GOODS-N NIR data reduction	Caltech/Spitzer Science Center Pasadena, CA, USA
Feb 2009 (1 day)	Work Visit	Talk	University of California Davis, CA, USA
Jan 2009 (2 days)	Conference	Meeting	213 th AAS Meeting Long Beach, CA, USA
Nov 2008 (1 day)	Conference	Meeting	CfAO Fall Retreat Lake Arrowhead, CA, USA
Nov 2008 (1 day)	Work Visit	GOODS-N NIR data reduction	Caltech/Spitzer Science Center Pasadena, CA, USA
Sep 2008 (5 days)	Work Visit	Test WFC3 data pipeline	STScI Baltimore, MD, USA
Jan 2008 (4 days)	Conference	Talk	211 th AAS Meeting Austin, TX, USA
Sep 2007 (2 days)	Conference	Poster	Astrophysics in the Next Decade Tucson, AZ, USA
May 2007 (4 days)	Conference	Poster	210 th AAS Meeting Honolulu, HI, USA
Apr 2007 (2 days)	Meeting	Talk @ PEARS Team Meeting	Arizona State University Tempe, AZ, USA
Feb 2007 (1 day)	Symposium	Talk	Steward Observatory Symposium Tucson, AZ, USA
Jan 2007 (4 days)	Conference	Poster	209 th AAS Meeting Seattle, WA, USA
Dec 2005 (10 days)	Work Visit	PEARS data reduction	STScI Baltimore, MD, USA
Jul 2003 (4 nights)	Observing	CoI Observer (PI: Echevarria)	Bok (2.3m) Kitt Peak, AZ, USA

May 2003 (2 nights)	Observing	PI Observer (CoI: Jansen)	MMT (6.5m) Mt. Hopkins, AZ, USA
Apr 2003 (2 nights)	Observing	PI Observer (CoI: Jansen/Echevarria)	MMT (6.5m) Mt. Hopkins, AZ, USA
Oct 1998 (3 days)	Conference	Talk	13 th AIP National Congress Fremantle, WA, Australia
Jul 1996 (3 days)	Conference	Meeting	PEP-5 Conference Toowoomba, QLD, Australia

First, Second, & Third-Author Publications (500+ citations)

- [16] “The VIMOS Ultra Deep Survey: Ly α Emission and Stellar Populations of Star-Forming Galaxies at $2 < z < 2.5$ ”
Hathi, N. P.; Le Fèvre, O.; Ilbert, O.; et al.
2016, A&A, 588, A26 (18pp)
- [15] “The evolving SFR- M_* relation and SSFR since $z \sim 5$ from the VUDS spectroscopic survey”
Tasca, L. A. M.; Le Fèvre, O.; Hathi, N. P.; et al.
2015, A&A, 581, A54 (9pp)
- [14] “Stellar Populations of Lyman Break Galaxies at $z \simeq 1-3$ in the HST/WFC3 Early Release Science Observations”
Hathi, N. P.; Cohen, S. H.; Ryan, R. E. Jr.; et al.
2013, ApJ, 765, 88 (10pp)
- [13] “Near-Infrared Survey of the GOODS-North Field: Search for Luminous Galaxy Candidates at $z \gtrsim 6.5$ ”
Hathi, N. P.; Mobasher, B.; Capak, P.; et al.
2012, ApJ, 757, 43 (14pp)
- [12] “The Hubble Space Telescope Wide Field Camera 3 Early Release Science data: Panchromatic Faint Object Counts from $0.2-2 \mu\text{m}$ Wavelength”
Windhorst, R. A.; Cohen, S. H.; Hathi, N. P.; et al.
2011, ApJS, 193, 27 (33pp)
- [11] “Galaxy Formation in the Reionization Epoch as Hinted by Wide Field Camera 3 Observations of the Hubble Ultra Deep Field”
Yan, H.; Windhorst, R. A.; Hathi, N. P.; et al.
2010, RA&A, 10, 867-904
- [10] “UV-dropout Galaxies in the GOODS-South Field from WFC3 Early Release Science Observations”
Hathi, N. P.; Ryan, R. E., Jr.; Cohen, S. H.; et al.
2010, ApJ, 720, 1708-1716
- [9] “Stellar Populations of Late-Type Bulges at $z \simeq 1$ in the Hubble Ultra Deep Field”
Hathi, N. P.; Ferreras, I.; Pasquali, A.; et al.
2009, ApJ, 690, 1866-1882
- [8] “High Redshift Galaxies in the Hubble Ultra Deep Field”
Hathi, N. P.
2008, PASP, 120, 1255-1257
- [7] “Structural and Physical Properties of High Redshift Galaxies in the Hubble Ultra Deep Field”
Hathi, N. P.
2008, Ph.D. Thesis, Arizona State University, Tempe, AZ, USA

- [6] “An Overdensity of i' -dropouts among a Population of Excess Field Objects in the Virgo Cluster”
Yan, H.; Hathi, N. P.; Windhorst, R. A.
2008, ApJ, 675, 136-145
- [5] “Starburst Intensity Limit of Galaxies at $z \simeq 5-6$ ”
Hathi, N. P.; Malhotra, S.; Rhoads, J. E.
2008, ApJ, 673, 686-693
- [4] “Surface Brightness Profiles of Composite Images of Compact Galaxies at $z \simeq 4-6$ in the Hubble Ultra Deep Field”
Hathi, N. P.; Jansen, R. A.; Windhorst, R. A.; et al.
2008, AJ, 135, 156-166
- [3] “High Resolution Science with High Redshift Galaxies”
Windhorst, R. A.; Hathi, N. P.; Cohen, S. H.; et al.
2008, AdSpR, 41, 1965-1971
- [2] “The Galaxy Luminosity Function at $z \simeq 1$ in the HUDF: Probing the Dwarf Population”
Ryan, R. E., Jr.; Hathi, N. P.; Cohen, S. H.; et al.
2007, ApJ, 668, 839-845
- [1] “Constraining the Distribution of L- & T-Dwarfs in the Galaxy”
Ryan, R. E., Jr.; Hathi, N. P.; Cohen, S. H.; Windhorst, R. A.
2005, ApJ, 631, L159-L162

Other Co-Author Publications

- [86] “Tracing the Reionization Epoch with ALMA: [CII] Emission in $z \sim 7$ Galaxies”
Pentericci, L.; et al.
2016, ApJ, in press (arXiv:1608.08837)
- [85] “The VIMOS Ultra-Deep Survey (VUDS): IGM transmission towards galaxies with $2.5 < z < 5.5$ and the colour selection of high redshift galaxies”
Thomas, R.; et al.
2016, A&A, in press (arXiv:1411.5692)
- [84] “Size evolution of star-forming galaxies with $2 < z < 4.5$ in the VIMOS Ultra-Deep Survey”
Ribiero, B.; et al.
2016, A&A, 593, A22 (23pp)
- [83] “The impact of the Star Formation Histories on the SFR- M_* relation at $z \geq 2$ ”
Cassarà, L. P.; et al.
2016, A&A, 593, A9 (14pp)
- [82] “First Results from Faint Infrared Grism Survey (FIGS): First Simultaneous Detection of Lyman-Alpha Emission and Lyman Break from a Galaxy at $z = 7.51$ ”
Tilvi, V.; et al.
2016, ApJ, 827, L14 (6pp)

- [81] “Breaking the Curve with CANDELS: A Bayesian Approach to Reveal the Non-Universality of the Dust-Attenuation Law at High Redshift”
Salmon, B.; et al.
2016, ApJ, 827, 20 (19pp)
- [80] “The Evolution of the Galaxy Stellar Mass Function at $z=4-8$: A Steepening Low-mass-end Slope with Increasing Redshift”
Song, M.; et al.
2016, ApJ, 825, 5 (25pp)
- [79] “Stellar Mass-Gas Phase Metallicity Relation at $0.5 \leq z \leq 0.7$: A Power Law with Increasing Scatter Towards the Low-Mass Regime”
Guo, Y.; et al.
2016, ApJ, 822, 103 (18pp)
- [78] “Limits on LyC signal from $z \sim 3$ sources with secure redshift and HST coverage in the E-CDFS field”
Guaita, L.; et al.
2016, A&A, 587, A133 (19pp)
- [77] “Infrared Color Selection of Massive Galaxies at $z > 3$ ”
Wang, T.; et al.
2016, ApJ, 816, 84 (17pp)
- [76] “The Lyman continuum escape fraction of galaxies at $z = 3.3$ in the VUDS-LBC/COSMOS field”
Grazian, A.; et al.
2016, A&A, 585, A48 (18pp)
- [75] “Evolution of clustering length, large-scale bias and host halo mass at $2 < z < 5$ in the VIMOS Ultra Deep Survey (VUDS)”
Durkalec, A.; et al.
2015, A&A, 583, A128 (19pp)
- [74] “CANDELS Visual Classifications: Scheme, Data Release, and First Results”
Kartaltepe, J. S.; et al.
2015, ApJS, 221, 11 (17pp)
- [73] “The Evolution of the Galaxy Rest-Frame Ultraviolet Luminosity Function Over the First Two Billion Years”
Finkelstein, S. L.; et al.
2015, ApJ, 810, 71 (35pp)
- [72] “A Critical Assessment of Stellar Mass Measurement Methods”
Mobasher, B.; et al.
2015, ApJ, 808, 101 (28pp)
- [71] “Faint AGNs at $z > 4$ in the CANDELS GOODS-S field: looking for contributors to the reionization of the Universe”
Giallongo, E.; et al.
2015, A&A, 578, A83 (14pp)

- [70] “A WFC3 Grism Emission Line Redshift Catalog in the GOODS-South Field”
Morris, A. M.; Kocevski, D. D.; Trump, J. R.; Weiner, B. J.; Hathi, N. P.; et al.
2015, AJ, 149, 178 (10pp)
- [69] “The VIMOS Ultra-Deep Survey: $\sim 10,000$ galaxies with spectroscopic redshifts to study galaxy assembly at early epochs $2 < z \lesssim 6$ ”
Le Fèvre, O.; et al.
2015, A&A, 576, A79 (29 pp)
- [68] “Stellar mass to halo mass relation from galaxy clustering in VUDS: a high star formation efficiency at $z \sim 3$ ”
Durkalec, A.; et al.
2015, A&A, 576, L7 (4pp)
- [67] “Stellar Masses from the CANDELS Survey: The GOODS-South and UDS Fields”
Santini, P.; et al.
2015, ApJ, 801, 97 (17pp)
- [66] “The host galaxies of X-ray selected Active Galactic Nuclei to $z = 2.5$: Structure, star-formation and their relationships from CANDELS and Herschel/PACS”
Rosario, D. J.; et al.
2015, A&A, 573, A85 (24pp)
- [65] “The VIMOS Ultra-Deep Survey (VUDS): fast increase in the fraction of strong Ly α emitters from $z = 2$ to $z = 6$ ”
Cassata, P.; et al.
2015, A&A, 573, A24 (12pp)
- [64] “VIMOS Ultra-Deep Survey (VUDS): Witnessing the Assembly of a Massive Cluster at $z = 3.3$ ”
Lemaux, B. C.; et al.
2014, A&A, 572, A41 (23pp)
- [63] “Early-Type Galaxies at Intermediate Redshift Observed with HST WFC3: Perspectives on Recent Star-Formation”
Rutkowski, M.; et al.
2014, ApJ, 796, 101 (15pp)
- [62] “CANDELS/GOODS-S, CDFS, ECDFS: Photometric Redshifts for Normal and for X-ray Detected Galaxies”
Hsu, L.-T.; et al.
2014, ApJ, 796, 60 (22pp)
- [61] “Discovery of a rich proto-cluster at $z = 2.9$ and associated diffuse cold gas in the VIMOS Ultra-Deep Survey (VUDS)”
Cucciati, O.; et al.
2014, A&A, 570, A16 (15pp)
- [60] “The Hawk-I UDS and GOODS Survey (HUGS): Survey Design and Deep K-band Number Counts”

- Fontana, A.; et al.
2014, A&A, 570, A11 (13pp)
- [59] “A Study of Massive and Evolved Galaxies at High Redshift”
Nayyeri, H.; et al.
2014, ApJ, 794, 68 (14pp)
- [58] “The Role of Major Mergers in the Size Growth of Intermediate-Mass Spheroids”
Kaviraj, S.; et al.
2014, MNRAS, 443, 1861 (6pp)
- [57] “Discovering Extremely Compact and Metal-poor, Star-forming Dwarf Galaxies out to $z \sim 0.9$ in the VIMOS Ultra Deep Survey”
Amorín, R.; et al.
2014, A&A, 568, L8 (5pp)
- [56] “Hubble Space Telescope Grism Spectroscopy of Extreme Starbursts Across Cosmic Time: The Role of Dwarf Galaxies in the Star Formation History of the Universe”
Atek, H.; et al.
2014, ApJ, 789, 96 (10pp)
- [55] “The Color Distribution of Galaxies at Redshift Five”
Rogers, A. B.; et al.
2014, MNRAS, 440, 3714 (12pp)
- [54] “Evidence for Two Modes of Black Hole Accretion in Massive Galaxies at $z \sim 2$ ”
Rangel, C.; et al.
2014, MNRAS, 440, 3630 (15pp)
- [53] “Physical Properties of Emission-Line Galaxies at $z \sim 2$ from Near-Infrared Spectroscopy with Magellan FIRE”
Masters, D.; et al.
2014, ApJ, 785, 153 (20pp)
- [52] “Properties of Submillimeter Galaxies in the CANDELS GOODS-South Field”
Wiklind, T.; et al.
2014, ApJ, 785, 111 (19pp)
- [51] “The Progenitors of the Compact Early-Type Galaxies at High Redshift”
Williams, C. C.; et al.
2014, ApJ, 780, 1 (22pp)
- [50] “HST/WFC3 Near-Infrared Spectroscopy of Quenched Galaxies at $z \sim 1.5$ from the WISP Survey: Stellar Population Properties”
Bedregal, A. G.; et al.
2013, ApJ, 778, 126 (24pp)
- [49] “Low Masses and High Redshifts: The Evolution of the Mass-Metallicity Relation”
Henry, A.; et al.
2013, ApJ, 776, L27 (6pp)

- [48] “Constraining the Assembly of Normal and Compact Passively Evolving Galaxies from Redshift $z = 3$ to the Present with CANDELS”
Cassata, P.; et al.
2013, ApJ, 775, 106 (11pp)
- [47] “A Critical Assessment of Photometric Redshift Methods: A CANDELS Investigation”
Dahlen, T.; et al.
2013, ApJ, 775, 93 (19pp)
- [46] “Structural Evolution of Early-Type Galaxies to $z = 2.5$ in CANDELS”
Chang, Y.-Y.; et al.
2013, ApJ, 773, 149 (13pp)
- [45] “CANDELS Multiwavelength Catalogs: Source Detection and Photometry in the GOODS South Field”
Guo, Y.; et al.
2013, ApJS, 207, 24 (23pp)
- [44] “A Lyman Break Galaxy in the Epoch of Reionization from HST Grism Spectroscopy”
Rhoads, J. E.; et al.
2013, ApJ, 773, 32 (7pp)
- [43] “Emission-Line Galaxies from the Hubble Space Telescope Probing Evolution and Reionization Spectroscopically (PEARS) Grism Survey. II: The Complete Sample”
Pirzkal, N.; et al.
2013, ApJ, 772, 48 (17pp)
- [42] “Serendipitous Discovery of a Massive cD Galaxy at $z = 1.096$: Implications for the Early Formation and Late Evolution of cD Galaxies”
Liu, F. S.; et al.
2013, ApJ, 769, 147 (7pp)
- [41] “CANDELS Multiwavelength Catalogs: Source Identification and Photometry in the CANDELS UKIDSS Ultra-Deep Survey Field”
Galametz, A.; et al.
2013, ApJS, 206, 10 (19pp)
- [40] “CANDELS: The Progenitors of Compact Quiescent Galaxies at $z \simeq 2$ ”
Barro, G.; et al.
2013, ApJ, 765, 104 (11pp)
- [39] “Dust Extinction from Balmer Decrements of Star-Forming Galaxies at $0.75 \leq z \leq 1.5$ with HST/WFC3 Spectroscopy from the WISP Survey”
Domínguez, A.; et al.
2013, ApJ, 763, 145 (10pp)
- [38] “The insignificance of major mergers in driving star formation at $z \sim 2$ ”
Kaviraj, S.; et al.
2013, MNRAS, 429, L40 (5pp)

- [37] “X-ray Selected AGN Host Galaxies are Similar to Inactive Galaxies out to $z=3$: Results from CANDELS/CDF-S”
Rosario, D. J.; et al.
2013, ApJ, 763, 59 (19pp)
- [36] “Newborn Spheroids at High Redshift: When and How did the Dominant, Old stars in Today’s Massive Galaxies Form?”
Kaviraj, S.; et al.
2013, MNRAS, 428, 925 (10pp)
- [35] “Luminous and High Stellar Mass Candidate Galaxies at $z \simeq 8$ Discovered in the Cosmic Assembly Near-Infrared Deep Extragalactic Legacy Survey”
Yan, H.; et al.
2012, ApJ, 761, 177 (12pp)
- [34] “The Size-Luminosity Relation at $z = 7$ in CANDELS and its Implication on Reionization”
Grazian, A.; et al.
2012, A&A, 547, A51 (18pp)
- [33] “CANDELS: The Evolution of Galaxy Rest-frame Ultraviolet Colors from $z \simeq 8$ to 4”
Finkelstein, S. L.; et al.
2012, ApJ, 756, 164 (19pp)
- [32] “Constraining Stellar Assembly and AGN Feedback at the Peak Epoch of Star Formation”
Kimm, T.; et al.
2012, MNRAS, 425, L96 (5pp)
- [31] “Near-Infrared Imaging of a $z = 6.42$ Quasar Host Galaxy with the Hubble Space Telescope Wide Field Camera 3”
Mechtley, M.; et al.
2012, ApJ, 756, L38 (6pp)
- [30] “The Road to the Red Sequence: A Detailed View of the Formation of a Massive Galaxy at $z \sim 2$ ”
Ferreras, I.; et al.
2012, AJ, 144, 47 (11pp)
- [29] “Smooth(er) Stellar Mass Maps in CANDELS: Constraints on the Longevity of Clumps in High-redshift Star-forming Galaxies”
Wuyts, S.; et al.
2012, ApJ, 753, 114 (25pp)
- [28] “CANDELS: Correlations of Spectral Energy Distributions and Morphologies with Star Formation Status for Massive Galaxies at $z \simeq 2$ ”
Wang, T.; et al.
2012, ApJ, 752, 134 (14pp)
- [27] “Discovery of Three Distant, Cold Brown Dwarfs in the WFC3 Infrared Spectroscopic Parallels Survey”
Masters, D.; McCarthy, P.; Burgasser, A. J.; Hathi, N. P.; et al.
2012, ApJ, 752, L14 (4pp)

- [26] “Sizing up Lyman-alpha and Lyman Break Galaxies”
Malhotra, S.; Rhoads, J. E.; Finkelstein, S. L.; Hathi, N.; et al.
2012, ApJ, 750, L36 (5pp)
- [25] “The Size Evolution of Passive Galaxies: Observations from the Wide Field Camera 3 Early Release Science Program”
Ryan, R. E. Jr.; McCarthy, P. J.; Cohen, S. H.; Yan, H.; Hathi, N. P.; et al.
2012, ApJ, 749, 53 (11pp)
- [24] “A Panchromatic Catalog of Early-Type Galaxies at Intermediate Redshift in the Hubble Space Telescope Wide Field Camera 3 Early Release Science Field”
Rutkowski, M. J.; Cohen, S. H.; Kaviraj, S.; O’Connell, R. W.; Hathi, N. P.; et al.
2012, ApJS, 199, 4 (20pp)
- [23] “CANDELS: Constraining the AGN-Merger Connection with Host Morphologies at $z \sim 2$ ”
Kocevski, D. D.; et al.
2012, ApJ, 744, 148 (9pp)
- [22] “CANDELS: The Cosmic Assembly Near-Infrared Deep Extragalactic Legacy Survey — The Hubble Space Telescope Observations, Imaging Data Products and Mosaics”
Koekemoer, A. M.; et al.
2011, ApJS, 197, 36 (36pp)
- [21] “CANDELS: The Cosmic Assembly Near-Infrared Deep Extragalactic Legacy Survey”
Grogin, N. A.; et al.
2011, ApJS, 197, 35 (39pp)
- [20] “A CANDELS WFC3 Grism Study of Emission Line Galaxies at $z \sim 2$: A Mix of Nuclear Activity and Low Metallicity Star Formation”
Trump, J. R.; et al.
2011, ApJ, 743, 144 (8pp)
- [19] “Very Strong Emission-Line Galaxies in the WFC3 Infrared Spectroscopic Parallel Survey and Implications for High-Redshift Galaxies”
Atek, H.; et al.
2011, ApJ, 743, 121 (13pp)
- [18] “Extreme Emission-Line Galaxies in CANDELS: Broad-band Selected, Star-Bursting Dwarf Galaxies at $z > 1$ ”
van der Wel, A.; et al.
2011, ApJ, 742, 111 (10pp)
- [17] “Galaxy Structure and Mode of Star Formation in the SFR-Mass Plane from $z \sim 2.5$ to $z \sim 0.1$ ”
Wuyts, S.; et al.
2011, ApJ, 742, 96 (20pp)
- [16] “Hubble Space Telescope Observations of Field Ultracool Dwarfs at High Galactic Latitude”
Ryan, R. E. Jr.; et al.
2011, ApJ, 739, 83 (8pp)

- [15] “Hubble Space Telescope Imaging of Ly α Emission at $z \sim 4.4$ ”
Finkelstein, S. L.; Cohen, S. H.; Windhorst, R. A.; Ryan, R. E. Jr.; Hathi, N. P.; et al.
2011, ApJ, 735, 5 (12pp)
- [14] “Hubble Space Telescope WFC3 Early Release Science: Emission-Line Galaxies from Infrared Grism Observations”
Straughn, A. N.; et al.
2011, AJ, 141, 14 (8pp)
- [13] “Early-type Galaxies in the PEARS Survey: Probing the Stellar Populations at Moderate Redshift”
Ferreras, I.; et al.
2009, ApJ, 706, 158-169
- [12] “Emission-Line Galaxies from the Hubble Space Telescope Probing Evolution and Reionization Spectroscopically (PEARS) Grism Survey I: The South Fields”
Straughn, A. N.; et al.
2009, AJ, 138, 1022-1031
- [11] “Improved Photometric Redshifts with Surface Luminosity Priors”
Xia, L.; et al.
2009, AJ, 138, 95-101
- [10] “Spectroscopic Confirmation of Faint Lyman Break Galaxies at Redshifts Four and Five in the Hubble Ultra Deep Field”
Rhoads, J. E.; et al.
2009, ApJ, 697, 942-949
- [9] “Spectrophotometrically Identified Stars in the PEARS-N and PEARS-S Fields”
Pirzkal, N.; et al.
2009, ApJ, 695, 1591-1603
- [8] “The Expected Detection of Dust Emission from High-Redshift Lyman α Galaxies”
Finkelstein, S. L.; Malhotra, S.; Rhoads, J. E.; Hathi, N. P.; Pirzkal, N.
2009, MNRAS, 393, 1174-1182
- [7] “Emission-Line Galaxies from the PEARS Hubble Ultra Deep Field: A 2-D Detection Method and First Results”
Straughn, A. N.; et al.
2008, AJ, 135, 1624-1635
- [6] “Redshifts of Emission-Line Objects in the Hubble Ultra Deep Field”
Xu, C.; et al.
2007, AJ, 134, 169-178
- [5] “Did Galaxy Assembly and Supermassive Black-Hole Growth go hand-in-hand?”
Windhorst, R. A.; Cohen, S. H.; Straughn, A. N.; Ryan, R. E.; Hathi, N. P.; et al.
2006, NewAR, 50, 821-828
- [4] “Clues to Active Galactic Nucleus Growth from Optically Variable Objects in the Hubble Ultra Deep Field”

Cohen, S. H.; Ryan, R. E., Jr.; Straughn, A. N.; Hathi, N. P.; et al.
2006, ApJ, 639, 731-739

- [3] “Tracing Galaxy Assembly: Tadpole Galaxies in the Hubble Ultra Deep Field”
Straughn, A. N.; Cohen, S. H.; Ryan, R. E.; Hathi, N. P.; et al.
2006, ApJ, 639, 724-730
- [2] “Photometry and Spectroscopy of GRB 030329 and Its Associated Supernova 2003dh: The First Two Months”
Matheson, T.; et al.
2003, ApJ, 599, 394-407
- [1] “Spectroscopic Discovery of the Supernova 2003dh Associated with GRB 030329”
Stanek, K. Z.; et al.
2003, ApJ, 591, L17-L20

NON-REFEREED PUBLICATIONS [† Non-ADS Abstracts]
(Conference Presentations, Proceedings, Circulars, Proposals & Master’s Thesis)

First, Second, & Third-Author Publications

- †[32] “Exploring the nature of Lyman alpha galaxies at $z \sim 2-6$ using large VLT spectroscopic surveys: A prelude to TMT science”
Hathi, N. P.
2016, Talk at the TMT Science Forum, Kyoto, Japan.
- †[31] “Stellar Populations of Lyman Alpha Emitters at $2 < z < 6$ in VUDS”
Hathi, N. P.
2016, Talk at the ‘The Reionization Epoch’ Conference, Aspen, CO.
- [30] “The VIMOS Ultra Deep Survey: Ly α Emission and Stellar Populations of Star-Forming Galaxies at $2 < z < 6$ ”
Hathi, N. P.; Le Fèvre, O.; the VUDS team
2016, IAUS, 319, 22.
- [29] “The VIMOS Ultra Deep Survey: Ly α Emission and Stellar Populations of Star-Forming Galaxies at $z=2-6$ ”
Hathi, N. P.; Le Fèvre, O.
2015, 29th IAU General Assembly (Abstract #2237132).
- †[28] “The VIMOS Ultra Deep Survey: Ly α Emission and Stellar Populations of Star-Forming Galaxies at $2 < z < 6$ ”
Hathi, N. P.
2015, Talk at the ‘First stars/galaxies/black holes’ Conference, Groningen, Netherlands.
- †[27] “The VIMOS Ultra Deep Survey: Ly α Emission and Stellar Populations of Star-Forming Galaxies at $2 < z < 6$ ”
Hathi, N. P.
2015, Talk at the ‘Back at the Edge of the Universe’ Conference, Sintra, Portugal.

- †[26] “Deep Spitzer/IRAC Imaging of Compact Galaxy Groups/Clusters for JWST ‘First Light’ Search”
Hathi, N. P.; Windhorst, R. A.; Yan, H.; et al.
 2015, White Paper to the NASA Astrophysics “Cosmic Origins Program Analysis Group” — Science Analysis Group 9 (<http://cor.gsfc.nasa.gov/copag/copag.php>)
- †[25] “Rest-frame UV Spectroscopy of Star-forming Galaxies at $z=2-2.5$ from the VIMOS Ultra Deep Survey”
Hathi, N. P.
 2014, Talk at the ‘EWASS 2014’ Conference, Geneva, Switzerland.
- †[24] “Rest-frame UV Spectroscopy of Star-forming Galaxies at $2 < z < 2.5$ ”
Hathi, N. P.
 2014, Poster at the ‘Multiwavelength-surveys: Galaxy Formation and Evolution from the early universe to today’ Conference, Dubrovnik, Croatia.
- [23] “Investigating HST/WFC3 Selected Lyman Break Galaxies at $z = 1-3$ ”
Hathi, N. P.; McCarthy, P. J.; Cohen, S. H.; et al.
 2013, 221st AAS Meeting (Abstract 228.06).
- [22] “Magellan FIRE Spectroscopy of Star-Forming Galaxies at $1.5 < z < 2.3$ Selected from the WFC3 Infrared Spectroscopic Parallels (WISP) Survey”
Masters, D. C.; McCarthy, P. J.; Hathi, N. P.; WISP Team
 2013, 221st AAS Meeting (Abstract 147.40).
- †[21] “Stellar Populations of HST/WFC3 selected Lyman break galaxies at $z \sim 1-3$ ”
Hathi, N. P.
 2012, Poster at the ‘UV Astronomy: HST and Beyond’ Conference, Kauai, HI.
- [20] “The Evolution of Lyman Break Galaxies Between $z = 1.5$ and $z = 5.0$ ”
Hathi, N. P.; McCarthy, P. J.; Cohen, S. H.; et al.
 2012, 219th AAS Meeting (Abstract 246.25).
- †[19] “The Evolution of Lyman Break Galaxies Between $z \sim 1.5$ and $z \sim 5$ ”
Hathi, N. P.
 2011, Talk at the ‘Young and Bright: Understanding High Redshift Structures’ Conference, Potsdam, Germany.
- †[18] “Lyman Break Galaxies at $z \sim 1-3$ in the GOODS-S Field from the HST/WFC3 Early Release Science Observations”
Hathi, N. P.
 2011, Poster at the ‘Southern California Center for Galaxy Evolution (CGE)’ Workshop, Irvine, CA.
- [17] “Lyman Alpha Morphologies of LAEs at $z \sim 4.4$ ”
Finkelstein, S.; Cohen, S.; Hathi, N.; et al.
 2011, NAOO Proposal (ID #2011A-0336).
- [16] “Near-infrared Imaging and $z = 7$ Galaxy Candidates in the GOODS-North Field”
Hathi, N. P.; Mobasher, B.; Capak, P.
 2011, 217th AAS Meeting (Abstract 128.06).

- [15] “Results from Medium Deep Near-UV Imaging with the HST/WFC3 Early Release Science Data”
Cohen, S. H.; Ryan, R. E. Jr.; Hathi, N. P.; et al.
2011, 217th AAS Meeting (Abstract 335.18).
- †[14] “UV-dropout Galaxies in the GOODS-South Field from WFC3 Early Release Science Observations”
Hathi, N. P.
2010, Poster at the ‘Science with the Hubble Space Telescope – III: two decades and counting’ Conference, Venice, Italy (Abstract P01).
- [13] “HST/WFC3 Early Release Science in the GOODS-South Field: UV-dropout Galaxies at $z = 2-3$ ”
Hathi, N. P.; Ryan, R. E. Jr.; Cohen, S. H.; et al.
2010, 215th AAS Meeting (Abstract 463.37).
- [12] “The High- z Universe as Viewed by WFC3”
Yan, H.; Windhorst, R.; Hathi, N.; et al.
2010, 215th AAS Meeting (Abstract 463.04).
- [11] “Results from the PEARS Spectrophotometric Redshift Survey in the Northern and Southern GOODS Fields”
Cohen, S. H.; Ryan, R. E., Jr.; Hathi, N. P.; et al.
2009, 213th AAS Meeting (Abstract 424.26).
- [10] “GiGa: the Billion Galaxy HI Survey – Tracing Galaxy Assembly from Reionization to the Present”
Windhorst, R. A.; Cohen, S. H.; Hathi, N. P.; et al.
2008, AIPC, 1035, 318
- [9] “HUDF Galaxies at $z \simeq 4-6$: Structural and Physical Properties”
Hathi, N. P.
2008, 211th AAS Meeting (Abstract 35.04).
- [8] “An Overdensity of Very Red Field Objects Around M60/NGC4647”
Yan, H.; Hathi, N. P.; Windhorst, R. A.
2008, 211th AAS Meeting (Abstract 122.06).
- †[7] “Surface Brightness Profiles of Composite Images of Compact Galaxies at $z \simeq 4-6$ in the HUDF”
Hathi, N. P.
2007, Poster at the ‘Astrophysics in the Next Decade: JWST and Concurrent Facilities’ Workshop, Tucson, AZ (Abstract 18).
- [6] “Bulge Stellar Population in Late-type Spiral Galaxies at $z \simeq 1$ in the HUDF”
Hathi, N. P.; Ferreras, I.; Pasquali, A.; et al.
2007, 210th AAS Meeting (Abstract 008.06).
- [5] “Surface Brightness Properties of $z \simeq 4-6$ Galaxies in the HUDF”
Hathi, N. P.; Jansen, R. A.; Cohen, S. H.; et al.

2007, 209th AAS Meeting (Abstract 171.02).

[*Chambliss Student Achievement Awards - Honorable Mention*]

- [4] “Constraining the Distribution of L- & T-Dwarfs in the Galaxy”

Ryan, R. E., Jr.; Hathi, N. P.; Cohen, S. H.; Windhorst, R. A.

2005, 205th AAS Meeting (Abstract 11.12).

- [3] “GRB 030329: Supernova Spectrum Emerging”

Matheson, T.; Garnavich, P.; Hathi, N.; et al.

2003, GCN, 2107, 1

- †[2] “Four Years Performance of a Niobium Resonant Bar Gravitational Wave Antenna at UWA”
Hathi, N. P.; Heng, I. S.; Blair, D. G.

1998, Talk at the 13th National Congress of the Australian Institute of Physics, Perth, Western Australia, (pp 195).

- [1] “A Determination of the Chemical Composition of α -Centauri A from Strong Lines”

Hathi, N. P.

1997, Master’s Thesis, University of Queensland, Brisbane, QLD, Australia (astro-ph/0408135)

Other Co-Author Publications

- [43] “Deep IRAC Imaging Lensing Galaxy Clusters for JWST ‘First Light’ Search”

Yan, H.; et al.

2016, Spitzer Proposal (ID #13024).

- [42] “Constraining the Major Merger History of Massive Galaxies from $z \sim 0$ to $z \sim 3$ using Pairs from CANDELS & SDSS”

Bharadwaj Mantha, K.; et al.

2016, 227th AAS Meeting (Abstract 440.02).

- [41] “A Search for $z > 6.5$ Lyman-alpha Emitting Galaxies with WISP”

Bagley, M. B.; et al.

2016, 227th AAS Meeting (Abstract 342.52).

- [40] “The Mass-Size Relation of Quenched, Quiescent Galaxies in the WISP Survey”

Pahl, A.; et al.

2016, 227th AAS Meeting (Abstract 342.38).

- [39] “Emission line galaxy pairs up to $z=1.5$ from the WISP survey”

Teplitz, H. I.; et al.

2016, 227th AAS Meeting (Abstract 342.36).

- [38] “Measuring Low Mass Galaxies in the WFC3 Infrared Spectroscopic Parallels Survey”

Colbert, J.; et al.

2015, Spitzer Proposal (ID #12093).

- †[37] “Deep HST WFC3+ACS UV+B+V Imaging of the Best Lensing Compact Massive Galaxy Groups & Clusters to Maximize “First Light” Object Searches with JWST”

Windhorst, R.; et al.

2015, White Paper to the NASA Astrophysics “Cosmic Origins Program Analysis Group” — Science Interest Group 2 (<http://cor.gsfc.nasa.gov/copag/copag.php>)

- [36] “Combining ALMA with HST and VLT to Find the Counterparts of Submillimetre Galaxies”
Wiklind, T.; et al.
2014, *The Messenger*, 156, 45.
- [35] “When VLT Meets HST: The HUGS Survey”
Fontana, A.; et al.
2014, *The Messenger*, 155, 42.
- [34] “The VIMOS Ultra Deep Survey: 10,000 Galaxies to Study the Early Phases of Galaxy Assembly at $2 < z < 6+$ ”
Le Fèvre, O.; et al.
2014, *The Messenger*, 155, 38.
- [33] “Physical Properties of Emission-Line Galaxies at $z \sim 2$ from Near-Infrared Spectroscopy with Magellan FIRE”
Masters, D. C.; et al.
2014, 223rd AAS Meeting (Abstract 227.03).
- [32] “Mass Assembly in the WFC3 Infrared Spectroscopic Parallels Survey”
Colbert, J.; et al.
2013, Spitzer Proposal (ID #10041).
- [31] “Active Galaxy Evolution at High Redshift from CANDELS”
Koekemoer, A. M.; Donley, J.; Grogin, N. A.; Hathi, N. P.; et al.
2013, 221st AAS Meeting (Abstract 339.25).
- [30] “Quasar Host Galaxies at $z = 2$ and $z = 6$: Point Source Subtraction With MCMC”
Mechtley, M.; et al.
2013, 221st AAS Meeting (Abstract 339.31).
- †[29] “The Escape Fraction of Ionizing Photons from Dwarf Galaxies”
Scarlata, C.; et al.
2012, White Paper in the Responses to the NASA RFI ‘Science Objectives and Requirements for the Next NASA UV/Visible Astrophysics Mission Concept’ (pp. 114-119)
- [28] “Low Mass Galaxy Evolution in the WFC3 Infrared Spectroscopic Parallels Survey”
Colbert, J.; et al.
2012, Spitzer Proposal (ID #90230).
- [27] “CANDELS Results on High-Redshift Active Galactic Nuclei”
Koekemoer, A. M.; Donley, J.; Grogin, N. A.; Hathi, N. P.; et al.
2012, 220th AAS Meeting (Abstract 436.05).
- [26] “Multi-component SED Fitting of AGN Host Galaxies”
Cohen, S. H.; Ryan, R. E.; Windhorst, R. A.; Grogin, N. A.; Hathi, N. P.; et al.
2012, 219th AAS Meeting (Abstract 423.04).
- [25] “WFC3 Imaging of $z = 6$ Quasars: Examining the Host Galaxies of AGN in the Early Universe”
Mechtley, M.; et al.
2012, 219th AAS Meeting (Abstract 243.17).

- [24] “First Results on High-redshift AGN Candidates from the CANDELS Survey”
Koekemoer, A.; Donley, J.; Grogin, N.; Hathi, N.; et al.
2011, 218th AAS Meeting (Abstract 328.03).
- [23] “Measuring Mass in the WFC3 Infrared Spectroscopic Parallels Survey”
Colbert, J.; et al.
2011, Spitzer Proposal (ID #80134).
- [22] “Sizing Up Lyman-alpha and Lyman-break Galaxies at $z > 2$ ”
Malhotra, S.; Rhoads, J.; Finkelstein, S.; Hathi, N.; et al.
2011, 217th AAS Meeting (Abstract 407.03).
- [21] “WFC3 Imaging of $z = 6$ QSO Hosts: A Method for PSF Characterization and Subtraction”
Mehrtley, M.; et al.
2011, 217th AAS Meeting (Abstract 142.40).
- [20] “HST WFC3 Early Release Science: Emission-line Galaxies from IR Grism Observations”
Straughn, A.; et al.
2011, 217th AAS Meeting (Abstract 335.19).
- [19] “Removing the Pattern Noise from all STIS Side-2 CCD data”
Jansen, R. A.; Windhorst, R.; Kim, H.; Hathi, N.; et al.
2010, ‘STScI Calibration’ Workshop at Baltimore, MD (Abstract S4).
- [18] “Ten-Band Photometric Study of Distant Galaxies in the WFC3 Early Release Science Data: Photometric Redshifts and Physical Properties”
Cohen, S. H.; Ryan, R. E. Jr.; Yan, H.; Hathi, N. P.; et al.
2010, 215th AAS Meeting (Abstract 463.23).
- [17] “Size Evolution in Red Galaxies from the WFC3 Early Release Science Program”
McCarthy, P. J.; Windhorst, R.; Ryan, R.; Hathi, N.; et al.
2010, 215th AAS Meeting (Abstract 338.03).
- [16] “Passively-Evolving Galaxies in the Early Release Science Deep Field”
Ryan, R. E. Jr.; McCarthy, P. J.; Cohen, S. H.; Yan, H.; Hathi, N. P.; et al.
2010, 215th AAS Meeting (Abstract 463.30).
- [15] “The Hubble Space Telescope Wide Field Camera 3 Early Release Science Data: Panchromatic Faint Object Counts from 0.2–2 Micron to $AB = 26$ – 27 Mag”
Windhorst, R. A.; et al.
2010, 215th AAS Meeting (Abstract 463.27).
- [14] “Emission-Line Galaxies from the WFC3 Early Release Science Data: Grism Spectra from 0.6–1.6 Microns”
Straughn, A.; et al.
2010, 215th AAS Meeting (Abstract 463.25).
- [13] “The Galaxy Major Merger Rate at $3 < z < 6$ ”
Ryan, R. E., Jr.; et al.
2009, 213th AAS Meeting (Abstract 424.08).

- [12] “Emission-Line Galaxies from the HST PEARS Grism Survey Southern Fields”
Straughn, A.; et al.
2009, 213th AAS Meeting (Abstract 424.19).
- [11] “PEARS AGN: HST/ACS Grism Spectroscopy of Chandra Deepest Field Optical Counterparts to $i = 26$ AB”
Grogin, N. A.; Malhotra, S.; Rhoads, J.; Cohen, S.; Hathi, N.; et al.
2008, 211th AAS Meeting (Abstract 046.05).
- [10] “Technical Aspects of How the James Webb Space Telescope Can Measure First Light, Reionization, and Galaxy Assembly”
Windhorst, R. A.; Jansen, R. A.; Cohen, S. H.; Mechtley, M.; Hathi, N. P.; et al.
2008, 211th AAS Meeting (Abstract 136.02).
- [9] “Improved Photometric Redshifts with Surface Brightness Priors”
Xia, L.; et al.
2008, 211th AAS Meeting (Abstract 132.21).
- [8] “Emission Line Galaxies in PEARS: A 2-D Detection Method”
Straughn, A.; et al.
2007, 209th AAS Meeting (Abstract 171.04).
- [7] “Five Thousand Galaxy Redshifts from PEARS”
Cohen, S. H.; Ryan, R. E. Jr.; Malhotra, S.; Rhoads, J. E.; Hathi, N. P.; et al.
2007, 209th AAS Meeting (Abstract 19.01).
- [6] “Tadpole Galaxies: Clues to Galaxy Assembly”
Straughn, A. N.; Cohen, S. H.; Ryan, R. E.; Hathi, N. P.; et al.
2006, 207th AAS Meeting (Abstract 22.14).
- [5] “Supernova 2005mr”
Meurer, G. R.; Pirzkal, N.; Riess, A.; Hathi, N. P.; et al.
2005, CBET, 340, 1
- [4] “Searching for Variability in the Hubble Ultra Deep Field: Clues to Galaxy Mergers”
Cohen, S. H.; Ryan, R. E.; Straughn, A. N.; Hathi, N. P.; et al.
2005, 205th AAS Meeting (Abstract 94.16).
- [3] “Tadpole Galaxies in the Hubble Ultra Deep Field”
Straughn, A. N.; Ryan, R. E.; Cohen, S. H.; Hathi, N. P.; et al.
2005, 205th AAS Meeting (Abstract 94.17).
- [2] “GRB 030329: Supernova Confirmed”
Matheson, T.; et al.
2003, GCN, 2120, 1
- [1] “GRB 030329”
Garnavich, P.; Matheson, T.; Eisenstein, D.; Pindor, B.; Hathi, N.; et al.
2003, IAUC, 8108, 2