

Curriculum Vitae - October 4, 2011

JEFFREY NEWMAN

Department of Physics and Astronomy
3941 O'Hara St.
Pittsburgh, PA 15260

EDUCATION:

Ph.D. , Astrophysics, U.C. Berkeley	2000
Dissertation: <i>Observational Cosmology from $z \sim 0.001$ to $z \sim 1$</i>	
M.A. , Astronomy, U.C. Berkeley	1996
B.S. , Physics & Astronomy, University of Maryland at College Park	1994
B.S. , Mathematics, University of Maryland at College Park	1994
B.A. , Latin, University of Maryland at College Park	1994

POSITIONS:

Assistant Professor	Sep., 2007 – present
University of Pittsburgh, Department of Physics and Astronomy	
Assistant Researcher	October, 2006 – Aug., 2007
University of California at Berkeley	
Hubble Fellow	October, 2003 – September, 2006
Lawrence Berkeley National Laboratory	
Supervisor: Saul Perlmutter	
Assistant Researcher	July, 2002 - September, 2003
University of California, Berkeley	
Postdoctoral Researcher	June, 2000 - June, 2002
University of California, Berkeley	
Supervisor: Marc Davis	
Graduate Student Researcher	November, 1996 - May, 2000
University of California, Berkeley	
Advisor: Marc Davis, Departments of Physics and Astronomy	
Graduate Student Researcher	May, 1995 - November, 1996
University of California, Berkeley	
Advisor: Alex Filippenko, Department of Astronomy	
Graduate Student Instructor	September, 1994 - May, 1995
University of California, Berkeley, Department of Astronomy	

STUDENTS SUPERVISED AT U. PITTSBURGH:

Tim Licquia, Ph. D. c. 2015: BigBOSS Target Selection and Galaxy Evolution
Dan Matthews, Ph. D. c. 2012: Photometric Redshift Calibration
Olivia Telford, B.S. c. 2012: Analysis of DEEP3 and CANDELS data
Matthew Brinson, B.S. c. 2012: Analysis of DEEP3 data

Chelsea Vincent, B.S. c. 2012: Improving reductions of problem DEEP2 objects
Advait Salgarkar, M.S. 2011: Photometric Redshift Measurement
Dara Krute, CMU B.S. 2011: Multiwavelength cross-matching of catalogs (NSF REU)
Adam Walker, CMU B.S. 2010: DEEP2 reduction routines & flux calibration (NSF REU)
Jennifer Sykes, B.S. 2009: Google Sky

OTHER GRADUATE STUDENT PROJECTS SUPERVISED AT U. PITTSBURGH:

Mei-Yu Wang, Ph. D. 2012: Improved methods for X-ray/HST cross-matching
Suchetana Chatterjee, Ph. D. 2009: Extended X-ray emission around AGN

STUDENTS CO-SUPERVISED PREVIOUSLY:

Roger Griffith, B.S. 2008: Galaxy morphology measurements in *HST* imaging;
Currently in post-baccalaureate research position at JPL
Carmen Anderson, B.S. 2007: Double-peaked AGN in DEEP2
Michael Cooper, Ph.D. 2007: DEEP2 pipeline development; Galaxy environments in
DEEP2; DEEP2 galaxy kinematics; Spitzer Fellowship 2007-2010;
Currently Hubble Fellow at U.C. Irvine
Brian Gerke, Ph.D. 2007: Searches for galaxy groups and clusters in DEEP2;
KIPAC fellowship 2007-10; Will begin staff position at Lawrence Berkeley
National Laboratory in July 2011
Renbin Yan, Ph.D. 2007: K+A galaxies in DEEP2; Properties of red galaxies in SDSS;
currently postdoctoral researcher at New York University
Rachel Strickler, B.S. 2005: DEEP2 1d power spectrum
Charlie Conroy, B.S. 2005: Mass measurements with DEEP2 satellite galaxies;
DEEP2 void statistics; currently member, Harvard Society of Fellows;
will begin faculty position at U.C. Santa Cruz c. 2011-2012
Alison Coil, Ph.D. 2004: DEEP2 photometry & correlation function measurements;
Received Hubble Fellowship and Spitzer Fellowship, now faculty at
the University of California - San Diego
Bryan Méndez, Ph.D. 2002: TRGB measurements of local flows;
staff member at the Berkeley Space Sciences Laboratory (focused on E/PO)
John Moustakas, B.S. 2000: Tip of the Red Giant Branch (TRGB) distance estimation;
currently postdoctoral researcher at U.C. San Diego

SUCCESSFUL GRANT AND PROPOSAL ACTIVITIES:

- PI, U.S. Department of Energy Early Career Research Program, 2010
Proposal: *Overcoming Photometric Redshift Systematics in
Dark Energy Experiments*, \$750k (2010 - 2014)
- Co-I and Pitt PI of successful 902-orbit/~\$8M *Hubble Space
Telescope* Multi-Cycle Treasury proposal: CANDELS
(the Cosmic Assembly Near-infrared Deep Extragalactic Legacy Survey), 2010

- U. Pittsburgh share: ~\$160k, 2010-2012 (\$68k disbursed so far)
- Co-I and co-author of successful NSF Cyber-Enabled Discovery and Innovation grant, *CDI-Type II: Understanding the Universe through Scalable Navigation of a Galaxy of Annotations* (PI: A. Labrinidis); \$1.6M total, Newman share \$317k, 2010-2013
- PI of successful NSF REU supplement, \$15,000 (2009-10)
- Co-author and Pitt PI on successful NSF \$2.2M/5 year proposal: *Collaborative Research: The DEEP3 Survey: Three Fundamental Tests of Galaxy Evolution* (2008-; ~\$300k U. Pitt. total)
- Co-author and Pitt PI on successful DOE proposal: *Optimizing New Dark Energy Experiments* (2007-; supplement successfully applied for in 2009; ~\$100k U. Pitt. total)
- Co-I and co-author of successful Keck Large Multi-Annual Program Proposal (30 nights total): *The DEEP3 Survey of the Distant Universe* (2007)
- Co-author of and Collaborator on successful NSF \$1.8M/3 year AST proposal: *The DEEP Survey–Emergence of the Modern Universe* (2005)
- PI of successful Subaru proposal, *Y-band Imaging in the Extended Groth Strip*, 2010
- Co-I and principal author of 5 successful Keck Observatory proposals and Co-I and co-author of ~ 10 more, totalling > 120 nights (1998-2006)
- Co-I and principal author of successful 126-orbit/\$0.8M *Hubble Space Telescope/Advanced Camera for Surveys* proposal: *The Evolution and Assembly of Galactic Disks: Integrated studies of mass, stars and gas in the Extended Groth Strip* (2004)
- Co-I and co-author of successful \$80k *Hubble Space Telescope* Archival proposal: *Galaxy Environments and Evolution in the GOODS-N Field* (2006)
- Co-I and co-author of successful \$0.5M NASA Long-Term Space Astrophysics proposal: *Star Formation and Galaxy Dynamics at $z \sim 1$* (2003)
- Co-I and co-author of successful Keck Large Multi-Annual Program Proposal (80 nights total): *The DEEP2 Survey of the Distant Universe* (2002)
- Co-I on and co-author of successful \$2.2M/5 year NSF AST proposal: *The DEEP Survey of the Distant Universe* (2000)

RESEARCH INTERESTS:

The large-scale structure of the Universe
Relationships between galaxy properties and environment/LSS
Surveys and multiwavelength studies of galaxies
Measurement of fundamental cosmological and physical parameters
Tools for automated data reduction and analysis

TEACHING ACTIVITIES:

Astronomy 89 (Stars, Galaxies, and the Cosmos),
Spring 2008, 2009, & 2011
Astronomy 113 (Introduction to Astrophysics), Fall 2009, Fall 2011
Astronomy 1121 (Galaxies and Cosmology), Spring 2010
Astronomy 3705 (Techniques of Observational Astronomy), Fall 2008, 2010

DEPARTMENTAL SERVICE:

Active member of Undergraduate Curriculum (leading subcommittee on the astronomy program), Undergraduate Program Assessment, and Graduate Computing Committees
Created department entry on the AIP Female-Friendly Physics Department page, 2008
Assisted with graduate student advising, 2010-2011
Coordinated DOE supplemental infrastructure funding request, 2009
Member of Astronomy faculty search committees, 2007-2008, 2008-2009, 2009-2010, and 2010-2011
U. Pittsburgh Institutional Representative to the Board of the LSST Corporation, 2007-; member, LSST Budget and Audit Committees

PROFESSIONAL ACTIVITIES:

Presenter, BigBOSS U.S. Department of Energy Critical Decision 0 (CD0) review, December 2011
Presenter, LSST U.S. Department of Energy Critical Decision 1 (CD1) review, November 2011
BigBOSS/Dark Energy Survey Joint Working Group, 2011-
Publications Coordinator, CANDELS, 2011-
Chair, LSST Photometric Redshifts Working Group, 2010 -
Member and U. Pittsburgh institutional contact, BigBOSS Collaboration;
co-author of BigBOSS spectrograph proposal, 2010 -
AEGIS Executive Committee, 2008 – present
Co-I, CANDELS (Cosmic Assembly Deep Extragalactic Legacy Survey) team
Senior Core Member, DEEP2 Collaboration (part of AEGIS)
Member, SNAP Telescope Requirements Review Board, 2007
Member, Space Telescope Science Institute MAST Users' Group, 2005–2008
Member, Yale Survey for the One Degree Imager (WIYN Telescope)
LOC and SOC member, Marc Davis *Fest* (Jan. 2008)
LSST Collaboration: Co-author of white paper: “A Plan for Photo-z Calibrations”;
presenter of AAS poster: “Calibrating Photometric Redshifts for LSST”;
active member of the Galaxies, Large-Scale Structure, AGN,

and Weak Lensing collaborations; participated in LSST presentation to the Decadal Survey; coauthor of two Deep Drilling Field white papers
Major contributor to the LSST Science Book; helped organize Galaxies collaboration efforts
Referee, *Astrophys. Journal*, *Ap.J. Letters*, *Monthly Notices of the Royal Astronomical Society*

OUTREACH ACTIVITIES:

Radio interviews on the (ever-)changing zodiac and Space Shuttle decommissioning, 2011
Public Talk, Amateur Astronomers Association of Pittsburgh, 2010
Talk for Allderdice High School students, 2010
Public Talk, Carnegie Science Center, 2009
Public Talk, Cline Observatory (Greensboro, NC), 2009
Public Talk, Allegheny Observatory, 2008
Implementation and dissemination of AEGIS data in Google Sky
Development of tool allowing overlay of arbitrary catalogs on Google Sky, 2008-2009
Source of three U. Pittsburgh Press releases (involved in 2 more in prep.), 2 resulting in letters of commendation from Chancellor Nordenberg

PROFESSIONAL DEVELOPMENT:

Center for Astronomy Education 2-day Workshop, April 2008
American Physical Society New Faculty Workshop, June 2008

PROFESSIONAL SOCIETIES:

American Astronomical Society
American Physics Society

INVITED LECTURES AND SEMINAR PRESENTATIONS:

Two talks, BigBOSS collaboration meeting, Tucson, Sep. 2011
University of Texas at Austin Astronomy Colloquium, March 2011
BigBOSS collaboration meeting, Berkeley, Feb. 2011
Fundamental Physics and Large Scale Structure, Perimeter Institute, April 2010
BigBOSS Workshop, Berkeley, 2009
Deep/Wide/Fast Workshop, Aspen, 2009
Pennsylvania State University Colloquium, 2009
University of Pennsylvania Colloquium, 2009
University of Michigan Particle Astrophysics seminar, 2009
University of North Carolina at Chapel Hill seminar, 2009
Ohio State University Colloquium, 2008
Surveys and Simulations of Large-Scale Structure: A Celebration of Marc Davis

60th Birthday, 2008

Great Lakes Cosmology Workshop, 2008

PHAT (Photo-z Analysis Team) Workshop, 2008

University College, London astronomy seminar, 2008

Spectroscopy in Cosmology and Galaxy Evolution 2005-2015, Granada, Spain, 2007

U. Pittsburgh, Department of Physics and Astronomy, 2007

Yale University, Department of Physics, 2007

Princeton University, Department of Physics, 2007

Space Telescope Science Institute, 2007

Fermi National Accelerator Laboratory, 2007

Vanderbilt University, Department of Physics and Astronomy, 2007

U.C. Davis, Department of Physics and Astronomy, 2007

U.C. Berkeley, Department of Astronomy, 2006

U. Michigan, Department of Astronomy, 2006

U. Pennsylvania, Department of Physics and Astronomy, 2006

U. Massachusetts, Department of Astronomy, 2006

U. Washington, Department of Astronomy, 2005

U.C. Berkeley Physics Colloquium, 2005

Plumian 300: The Quest for a Concordance Cosmology and Beyond,
Cambridge, UK, 2004

U.C. Berkeley Astronomy Colloquium, 2002

GRADUATE FELLOWSHIPS AND HONORS:

Mary Elizabeth Uhl Prize (“for outstanding scholarly achievement”)–May, 2000

The Berkeley Fellowship – August, 1997 - May, 1999

NSF Graduate Research Fellowship – August, 1994 - July, 1997

UNDERGRADUATE HONORS AND AWARDS:

Dorfman Prize for Undergraduate Research, 1994

High Honors in Physics and High Honors in Astronomy, 1994

Summa Cum Laude (all 3 degrees), 1994

Senior Summer Scholarship (advisor: Leo Blitz), 1993

Admitted to Phi Beta Kappa and recieved Phi Beta Kappa Junior Award, 1993

Princeton Plasma Physics Lab. Summer Undergraduate Research Fellowship, 1992

Francis Scott Key Scholarship (full academic scholarship), 1990-1994

National Merit Scholarship, 1990

PUBLICATIONS

Summary statistics: 84 refereed publications (plus 11 more submitted and in refereeing), with 5522 citations, yielding h-index=39; 111 total publications, with 6257 citations, yielding h-index=41.

REFEREED ARTICLES

- 2011 **X-ray selected AGN Hosts are Similar to Inactive Galaxies out to $z = 3$: Results from CANDELS/CDF-S** (D.J. Rosario, M. Mozena, S. Wuyts, K. Nandra, A. Koekemoer, E. McGrath, N. Hathi, A. Dekel, J. Donley, J.S. Dunlop, S.M. Faber, H. Ferguson, M. Giavalisco, N. Grogin, Y. Guo, J. Newman, D.D. Kocevski, D.C. Koo, and R. Somerville), *Submitted, in ArXiv e-prints*, 2011.
- 2011 **CANDELS: The Evolution of Galaxy Rest-Frame Ultraviolet Colors from $z = 8$ to 4** (S. L. Finkelstein, C. Papovich, B. Salmon, K. Finlator, M. Dickinson, H. C. Ferguson, M. Giavalisco, A. M. Koekemoer, N. A. Reddy, R. Bassett, C. J. Conselice, J. S. Dunlop, S. M. Faber, N. A. Grogin, N. P. Hathi, D. D. Kocevski, K. Lai, K.-S. Lee, R. J. McLure, B. Mobasher, and J. A. Newman), *Submitted, in ArXiv e-prints*, 2011.
- 2011 **CANDELS Observations of the Structural Properties and Evolution of Galaxies in a Cluster at $z = 1.62$** (C. Papovich, R. Bassett, J. M. Lotz, A. van der Wel, K. -. Tran, S. L. Finkelstein, E. F. Bell, C. J. Conselice, A. Dekel, J. S. Dunlop, Y. Guo, S. M. Faber, D. Farrah, H. C. Ferguson, K. D. Finkelstein, B. Haussler, D. D. Kocevski, A. Koekemoer, D. Koo, R. J. McLure, E. J. McGrath, D. H. McIntosh, I. Momcheva, J. A. Newman, G. Rudnick, B. Weiner, C. N. A. Willmer, and S. Wuyts), *Submitted, in ArXiv e-prints*, 2011.
- 2011 **Lensed galaxies in CANDELS** (A. Cooray, H. Fu, J. Calanog, J. L. Wardlow, A. Chiu, S. Kim, J. Smidt, V. Acquaviva, H. C. Ferguson, S. M. Faber, A. Galametz, N. A. Grogin, W. Hartley, D. Kocevski, A. Koekemoer, D. C. Koo, R. A. Lucas, L. Moustakas, and J. A. Newman), *Submitted, in ArXiv e-prints*, 2011.
- 2011 **Improving Correlation Function Fitting with Ridge Regression: Application to Cross-Correlation Reconstruction** (Daniel J. Matthews and Jeffrey A. Newman), *Submitted, in ArXiv e-prints*, 2011.
- 2011 **The DEEP3 Galaxy Redshift Survey: The Impact of Environment on the Size Evolution of Massive Early-type Galaxies at Intermediate Redshift** (M. C. Cooper, R. L. Griffith, J. A. Newman, A. L. Coil, M. Davis, A. A. Dutton, S. M. Faber, P. Guhathakurta, D. C. Koo, J. M. Lotz, B. J. Weiner, C. N. A. Willmer, and R. Yan), *MNRAS*, accepted, 2011.
- 2011 **A CANDELS WFC3 Grism Study of Emission-Line Galaxies at $z \sim 2$: A Mix of Nuclear Activity and Low-Metallicity Star Formation** (J. R. Trump,

- B. J. Weiner, C. Scarlata, D. D. Kocevski, E. F. Bell, E. J. McGrath, D. C. Koo, S. M. Faber, E. S. Laird, M. Mozena, C. Rangel, R. Yan, H. Yesuf, H. Atek, M. Dickinson, J. L. Donley, J. S. Dunlop, H. C. Ferguson, S. L. Finkelstein, N. A. Grogin, N. P. Hathi, S. Juneau, J. S. Kartaltepe, A. M. Koekemoer, K. Nandra, J. A. Newman, S. A. Rodney, A. N. Straughn, and H. I. Teplitz), *ApJ*, accepted, 2011.
- 2011 **Extreme Emission Line Galaxies in CANDELS: Broad-Band Selected, Star-Bursting Dwarf Galaxies at $z > 1$** (A. van der Wel, A. N. Straughn, H. -. Rix, S. L. Finkelstein, A. M. Koekemoer, B. J. Weiner, S. Wuyts, E. F. Bell, S. M. Faber, J. R. Trump, D. C. Koo, H. C. Ferguson, C. Scarlata, N. P. Hathi, J. S. Dunlop, J. A. Newman, M. Dickinson, K. Jahnke, B. W. Salmon, D. F. de Mello, D. D. Kocevski, K. Lai, N. A. Grogin, S. A. Rodney, Y. Guo, E. G. McGrath, K. -. Lee, G. Barro, K. -. Huang, A. G. Riess, M. L. N. Ashby, and S. P. Willner), *ApJ*, accepted, 2011.
- 2011 **Oxford SWIFT integral field spectrograph and multiwavelength observations of the Eagle galaxy at $z= 0.77$** (S. A. Kassin, L. Fogarty, T. Goodsall, F. J. Clarke, R. W. C. Houghton, G. Salter, N. Thatte, M. Tecza, R. L. Davies, B. J. Weiner, C. N. A. Willmer, S. Salim, M. C. Cooper, J. A. Newman, K. Bundy, C. J. Conselice, A. M. Koekemoer, L. Lin, L. A. Moustakas, and T. Wang), *MNRAS*, accepted, 2011.
- 2011 **CANDELS: The Cosmic Assembly Near-infrared Deep Extragalactic Legacy Survey - The Hubble Space Telescope Observations, Imaging Data Products and Mosaics** (A. M. Koekemoer, S. M. Faber, H. C. Ferguson, N. A. Grogin, D. D. Kocevski, D. C. Koo, K. Lai, J. M. Lotz, R. A. Lucas, E. J. McGrath, S. Ogaz, A. Rajan, A. G. Riess, S. A. Rodney, L. Strolger, S. Casertano, T. Dahlen, M. Dickinson, T. Dolch, A. Fontana, M. Giavalisco, A. Grazian, Y. Guo, N. P. Hathi, K.-H. Huang, A. van der Wel, H.-J. Yan, V. Acquaviva, D. M. A. O. Almaini, M. L. N. Ashby, M. Barden, E. F. Bell, F. Bournaud, T. M. Brown, K. I. Caputi, P. Cassata, P. Challis, R.-R. Chary, E. Cheung, M. Cirasuolo, C. J. Conselice, A. Roshan Cooray, D. J. Croton, E. Daddi, R. Dave, D. F. de Mello, L. de Ravel, A. Dekel, J. L. Donley, J. S. Dunlop, A. A. Dutton, D. Elbaz, G. G. Fazio, A. V. Filippenko, S. L. Finkelstein, C. Frazer, J. P. Gardner, P. M. Garnavich, E. Gawiser, R. Gruetzbauch, W. G. Hartley, B. H?ussler, J. Herrington, P. F. Hopkins, J.-S. Huang, S. Jha, A. Johnson, J. S. Kartaltepe, A. A. Khostovan, R. P. Kirshner, C. Lani, K.-S. Lee, W. Li, P. Madau, P. J. McCarthy, D. H. McIntosh, R. J. McLure, C. McPartland, B. Mobasher, H. Moreira, A. Mortlock, L. A. Moustakas, M. Mozena, K. Nandra, J. A. Newman, J. L. Nielsen, S. Niemi, K. G. Noeske, C. J. Papovich, L. Pentericci, A. Pope, J. R. Primack, S. Ravindranath, N. A. Reddy, A. Renzini, H.-W. Rix, A. R. Robaina, D. J. Rosario, P. Rosati, S. Salimbeni, C. Scarlata, B. Siana, L. Simard, J. Smidt, D. Snyder, R. S. Somerville, H. Spinrad, A. N. Straughn, O. Telford, H. I. Teplitz, J. R. Trump, C. Vargas, C. Villforth, C. R. Wagner, P. Wandro, R. H. Wechsler, B. J. Weiner, T. Wiklind, V. Wild, G. Wilson, S. Wuyts, and M. S. Yun), *Submitted, in ArXiv e-prints*, 2011.
- 2011 **CANDELS: The Cosmic Assembly Near-infrared Deep Extragalactic Legacy**

- Survey** (N. A. Grogin, D. D. Kocevski, S. M. Faber, H. C. Ferguson, A. M. Koekemoer, A. G. Riess, V. Acquaviva, D. M. Alexander, O. Almaini, M. L. N. Ashby, M. Barden, E. F. Bell, F. Bournaud, T. M. Brown, K. I. Caputi, S. Casertano, P. Cassata, P. Challis, R.-R. Chary, E. Cheung, M. Cirasuolo, C. J. Conselice, A. Roshan Cooray, D. J. Croton, E. Daddi, T. Dahlen, R. Dave, D. F. de Mello, A. Dekel, M. Dickinson, T. Dolch, J. L. Donley, J. S. Dunlop, A. A. Dutton, D. Elbaz, G. G. Fazio, A. V. Filippenko, S. L. Finkelstein, A. Fontana, J. P. Gardner, P. M. Garnavich, E. Gawiser, M. Giavalisco, A. Grazian, Y. Guo, N. P. Hathi, B. H?ussler, P. F. Hopkins, J.-S. Huang, K.-H. Huang, S. W. Jha, J. S. Kartaltepe, R. P. Kirshner, D. C. Koo, K. Lai, K.-S. Lee, W. Li, J. M. Lotz, R. A. Lucas, P. Madau, P. J. McCarthy, E. J. McGrath, D. H. McIntosh, R. J. McLure, B. Mobasher, L. A. Moustakas, M. Mozena, K. Nandra, J. A. Newman, S.-M. Niemi, K. G. Noeske, C. J. Papovich, L. Pentericci, A. Pope, J. R. Primack, A. Rajan, S. Ravindranath, N. A. Reddy, A. Renzini, H.-W. Rix, A. R. Robaina, S. A. Rodney, D. J. Rosario, P. Rosati, S. Salimbeni, C. Scarlata, B. Siana, L. Simard, J. Smidt, R. S. Somerville, H. Spinrad, A. N. Straughn, L.-G. Strolger, O. Telford, H. I. Teplitz, J. R. Trump, A. van der Wel, C. Villforth, R. H. Wechsler, B. J. Weiner, T. Wiklind, V. Wild, G. Wilson, S. Wuyts, H.-J. Yan, and M. S. Yun), *Submitted, in ArXiv e-prints*, 2011.
- 2011 **Galaxy peculiar velocities from large-scale supernova surveys as a dark energy probe** (S. Bhattacharya, A. Kosowsky, J. A. Newman, and A. R. Zentner), *Phys. Rev. D*, volume 83, 2011.
- 2011 **Extragalactic background light inferred from AEGIS galaxy-SED-type fractions** (A. Dominguez, J. R. Primack, D. J. Rosario, F. Prada, R. C. Gilmore, S. M. Faber, D. C. Koo, R. S. Somerville, M. A. Perez-Torres, P. Perez-Gonzalez, J.-S. Huang, M. Davis, P. Guhathakurta, P. Barmby, C. J. Conselice, M. Lozano, J. A. Newman, M. C. Cooper), *MNRAS*, volume 410, 2011.
- 2011 **On the evolution of the velocity-mass-size relations of disc-dominated galaxies over the past 10 billion years** (A. A. Dutton, F. C. van den Bosch, S. M. Faber, L. Simard, S. A. Kassin, D. C. Koo, K. Bundy, J. Huang, B. J. Weiner, M. C. Cooper, J. A. Newman, M. Mozena, A. M. Koekemoer), *MNRAS*, volume 410, 2011.
- 2011 **The DEEP3 Galaxy Redshift Survey: Keck/DEIMOS Spectroscopy in the GOODS-N Field** (M. C. Cooper, J. A. Aird, A. L. Coil, M. Davis, S. M. Faber, S. Juneau, J. M. Lotz, K. Nandra, J. A. Newman, C. N. A. Willmer, R. Yan), *ApJS*, volume 193, 2011.
- 2011 **A Cosmic Variance Cookbook** (B. P. Moster, R. S. Somerville, J. A. Newman, H.-W. Rix), *ApJ*, volume 731, 2011.
- 2011 **AEGIS: Demographics of X-ray and Optically Selected Active Galactic Nuclei** (R. Yan, L. C. Ho, J. A. Newman, A. L. Coil, C. N. A. Willmer, E. S. Laird, A.

- Georgakakis, J. Aird, P. Barmby, K. Bundy, M. C. Cooper, M. Davis, S. M. Faber, T. Fang, R. L. Griffith, A. M. Koekemoer, D. C. Koo, K. Nandra, S. Q. Park, V. L. Sarajedini, B. J. Weiner, S. P. Willner), *ApJ*, volume 728, 2011.
- 2011 **Three-point Correlation Functions of SDSS Galaxies: Luminosity and Color Dependence in Redshift and Projected Space** (C. K. McBride, A. J. Connolly, J. P. Gardner, R. Scranton, J. A. Newman, R. Scoccimarro, I. Zehavi, D. P. Schneider), *ApJ*, volume 726, 2011.
- 2010 **Absence of evidence is not evidence of absence: the colour-density relation at fixed stellar mass persists to $z \sim 1$** (M. C. Cooper, A. L. Coil, B. F. Gerke, J. A. Newman, K. Bundy, C. J. Conselice, D. J. Croton, M. Davis, S. M. Faber, P. Guhathakurta, D. C. Koo, L. Lin, B. J. Weiner, C. N. A. Willmer, R. Yan), *MNRAS*, volume 409, 2010.
- 2010 **Galaxy assembly bias on the red sequence** (M. C. Cooper, A. Gallazzi, J. A. Newman, R. Yan), *MNRAS*, volume 402, 2010.
- 2010 **Reconstructing Redshift Distributions with Cross-correlations: Tests and an Optimized Recipe** (D. J. Matthews, J. A. Newman), *ApJ*, volume 721, 2010.
- 2010 **Tentative Detection of Quasar Feedback from WMAP and SDSS Cross-correlation** (S. Chatterjee, S. Ho, J. A. Newman, A. Kosowsky), *ApJ*, volume 720, 2010.
- 2010 **The Persistence of Cool Galactic Winds in High Stellar Mass Galaxies between $z \sim 1.4$ and ~ 1** (K. H. R. Rubin, B. J. Weiner, D. C. Koo, C. L. Martin, J. X. Prochaska, A. L. Coil, J. A. Newman), *ApJ*, volume 719, 2010.
- 2010 **Where do Wet, Dry, and Mixed Galaxy Mergers Occur? A Study of the Environments of Close Galaxy Pairs in the DEEP2 Galaxy Redshift Survey** (L. Lin, M. C. Cooper, H.-Y. Jian, D. C. Koo, D. R. Patton, R. Yan, C. N. A. Willmer, A. L. Coil, T. Chiueh, D. J. Croton, B. F. Gerke, J. Lotz, P. Guhathakurta, J. A. Newman), *ApJ*, volume 718, 2010.
- 2009 **Tentative Detection of Quasar Feedback from WMAP and SDSS Cross-Correlation** (S. Chatterjee, S. Ho, J. A. Newman, A. Kosowsky), *Arxiv e-print*, 2009.
- 2009 **Groups of galaxies in AEGIS: the 200-ks Chandra extended X-ray source catalogue** (T. E. Jeltema, B. F. Gerke, E. S. Laird, C. N. A. Willmer, A. L. Coil, M. C. Cooper, M. Davis, K. Nandra, J. A. Newman), *MNRAS*, volume 399, 2009.
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