

Prof. Eric Gawiser

Publications

Invited Review Articles

5. “Spectral Energy Distribution Fitting: Application to Ly α -Emitting Galaxies”

Gawiser, E.

New Astronomy Reviews 53, 50-53 (2009)

4. “Galaxy Formation”

Gawiser, E.

“New Horizons in Astronomy” *ASP Conference Series* 352, 177 (2006)

3. “Damped Ly α Systems”

Wolfe, A.M., **Gawiser, E.** & Prochaska, J.X.

Annual Reviews of Astronomy & Astrophysics 43, 861 (2005)

2. “The Cosmic Microwave Background Radiation”

Gawiser, E. & Silk, J.

Physics Reports 333, 245 (2000)

1. “WOMBAT & FORECAST: Making Realistic Maps of the Microwave Sky”

Jaffe, A.H., **Gawiser, E.**, Finkbeiner, D., Baker, J.C., Balbi, A., Davis, M., Hanany, S., Holzappel, W., Krumholz, M., Moustakas, L., Robinson, J., Scannapieco, E., Smoot, G.F. & Silk, J.

Microwave Foregrounds, eds. A. de Oliveira-Costa & M. Tegmark (ASP, San Francisco) (1999)

Refereed Publications

52. “Sizes of Ly α -emitting Galaxies and Their Rest-frame Ultraviolet Components at $z = 3.1$ ”

Bond, N.A., **Gawiser, E.**, Gronwall, C., Ciardullo, R., Altmann, M. & Schawinski, K.

submitted to *Astrophysical Journal*, arXiv:0907.2235

51. “Compton Thick AGN in Star-forming Galaxies at $z \simeq 2$ ”

Treister, E., Cardamone, C.N., Schawinski, K., Urry, C.M., **Gawiser, E.**, Lira, P., Kartaltepe, J., Damen, M., Taylor, E.N., Le Floch, E. & Justham, S.

submitted to *Astrophysical Journal*

50. “Introducing the Photometric Maximum Likelihood Method: Galaxy Luminosity Functions at $z \gtrsim 1.2$ in MUSYC-ECDFS”

Christlein, D., **Gawiser, E.**, Marchesini, D. & Padilla, N.

Monthly Notices of the Royal Astronomical Society, in press

49. “A LABOCA Survey of the Extended Chandra Deep Field South - Submillimeter Properties of Near-IR Selected Galaxies”

Greve, T. R., Weiss, A., Walter, F., Smail, I., Zheng, X. Z., Knudsen, K. K., Coppin, K. E. K., Kovacs, A., Bell, E. F., de Breuck, C., Dannerbauer, H., Dickinson, M., **Gawiser, E.**, Lutz, D., Rix, H.

-W., Schinnerer, E., Alexander, D., Bertoldi, F., Brandt, W. N., Chapman, S. C., Ivison, R. J., Koekemoer, A. M., Kreysa, E., Kurczynski, P., Menten, K., Siringo, G., Swinbank, M. & van der Werf, P.

submitted to *Astrophysical Journal*, arXiv:0904.0028

48. “A Public, *K*-Selected, Optical-to-Near-Infrared Catalog of the Extended Chandra Deep Field-South (ECDF-S) from the Multiwavelength Survey by Yale-Chile (MUSYC)”

Taylor, E.N., Franx, M., van Dokkum, P.G., **Gawiser, E.**, Bell, E.F., Barrientos, L.F., Blanc, G.A., Castander, F.J., Damen, M., Gonzalez-Perez, V., Hall, P.B., Herrera, D., Hildebrandt, H., Kriek, M., Labbe, I., Lira, P., Maza, J., Rudnick, G., Treister, E., Urry, C.M., Willis, J.P. & Wuyts, S.

Astrophysical Journal Supplements, in press, arXiv:0903.3051

47. “Optical Spectroscopy of X-ray sources in the Extended Chandra Deep Field South”

Treister, E., Virani, S., **Gawiser, E.**, Urry, C.M., Lira, P., Francke, H., Blanc, G.A., Cardamone, C.N., Damen, M., Taylor, E.N. & Schawinski, K.

Astrophysical Journal 693, 1713 (2009)

46. “The Rise of Massive Red Galaxies: the Color-Magnitude and Color-Stellar Mass Diagrams for $z_{\text{phot}} < \sim 2$ from the Multiwavelength Survey by Yale-Chile (MUSYC)”

Taylor, E.N., Franx, M., van Dokkum, P.G., Bell, E.F., Brammer, G.B., Rudnick, G., Wuyts, S., **Gawiser, E.**, Lira, P., Urry, C.M. & Rix, H.-W.

Astrophysical Journal 694, 1171 (2009)

45. “The Evolution of the Specific Star Formation Rate of Massive Galaxies to $z \sim 1.8$ in the ECDF-S”
Damen, M., Labbe, I., Franx, M., van Dokkum, P.G., Taylor, E.N. & **Gawiser, E.**

Astrophysical Journal 690, 937 (2009)

44. “A submillimetre galaxy at $z = 4.76$ in the LABOCA survey of the Extended Chandra Deep Field-South”

Coppin, K.E.K., Smail, I., Alexander, D.M., Weiss, A., Walter, F., Swinbank, A.M., Greve, T.R., Kovacs, A., De Breuck, C., Dickinson, M., Ibar, E., Ivison, R. J., Reddy, N., Spinrad, H., Stern, D., Brandt, W.N., Chapman, S.C., Dannerbauer, H., van Dokkum, P., Dunlop, J.S., Frayer, D., **Gawiser, E.**, Geach, J. E., Huynh, M., Knudsen, K.K., Koekemoer, A.M., Lehmer, B.D., Menten, K.M., Papovich, C., Rix, H.-W., Schinnerer, E., Wardlow, J.L., & van der Werf, P.P.

Monthly Notices of the Royal Astronomical Society 395, 1905 (2009)

43. “Clustering of Intermediate Luminosity X-ray Selected AGN at $z \sim 3$ ”

Francke, H., **Gawiser, E.**, Lira, P., Treister, E., Virani, S., Cardamone, C., Urry, C.M., van Dokkum, P.G., Quadri, R. & Infante, L.

Astrophysical Journal Letters 673, L13 (2008)

42. “Spitzer Constraints on the Stellar Populations of Ly α -Emitting Galaxies at $z = 3.1$ ”

Lai, K., Huang, J.-S., Fazio, G., **Gawiser, E.**, Gronwall, C., Ciardullo, R., Magdis, G. & van Dokkum, P.G.

Astrophysical Journal 674, 70 (2008)

41. “The Multiwavelength Survey by Yale-Chile (MUSYC): Wide *K*-band Imaging, Photometric Catalogs, Clustering and Physical Properties of Galaxies at $z \sim 2$ ”

Blanc, G.A., Lira, P., Barrientos, L.F., Aguirre, P., Francke, H., Taylor, E.N., Quadri, R., Marchesini, D., Infante, L., **Gawiser, E.**, Hall, P.B., Willis, J.P., Herrera, D. & Maza, J.

Astrophysical Journal 681, 1099 (2008)

40. “Mid-Infrared Properties and Color Selection for X-Ray-Detected Active Galactic Nuclei in the MUSYC Extended Chandra Deep Field-South”

Cardamone, C., Urry, C.M., Damen, M., van Dokkum, P.G., Treister, E., Labbe, I., Virani, S.N., Lira, P. & **Gawiser, E.**

Astrophysical Journal 680, 130 (2008)

39. “The UV Colours of High-redshift Early-type Galaxies: Evidence for Recent Star Formation and Stellar Mass Assembly over the Last 8 Billion Years”

Kaviraj, S., Khochfar, S., Schawinski, K., Yi, S.K., **Gawiser, E.**, Silk, J., Virani, S.N., Cardamone, C., van Dokkum, P.G., & Urry, C.M.

Monthly Notices of the Royal Astronomical Society 388, 67 (2008)

38. “A Near-infrared Spectroscopic Survey of K-selected Galaxies at $z \sim 2.3$: Redshifts and Implications for Broadband Photometric Studies”

Kriek, M., van Dokkum, P.G., Franx, M., Illingworth, G.D., Marchesini, D., Quadri, R., Rudnick, G., Taylor, E.N., Forster Schreiber, N.M., **Gawiser, E.**, Labbé, I., Lira, P. & Wuyts, S.

Astrophysical Journal 677, 219 (2008)

37. “Ly α -Emitting Galaxies at $z = 3.1$: L* Progenitors Experiencing Rapid Star Formation”

Gawiser, E., Francke, H., Lai, K., Schawinski, K., Gronwall, C., Ciardullo, R., Quadri, R., Orsi, A., Barrientos, L.F., Blanc, G.A., Fazio, G., Feldmeier, J., Huang, J., Infante, L., Lira, P., Padilla, N., Taylor, E.N., Treister, E., Urry, C.M., van Dokkum, P.G. & Virani, S.N.

Astrophysical Journal 671, 628 (2007)

36. “Systematic Uncertainties in Stellar Mass Estimation for Distinct Galaxy Populations”

Kannappan, S. & **Gawiser, E.**

Astrophysical Journal Letters 657, L5 (2007)

35. “Ly α Emission-Line Galaxies at $z = 3.1$ in the Extended Chandra Deep Field South”

Gronwall, C., Ciardullo, R., Hickey, T., **Gawiser, E.**, Feldmeier, J.J., van Dokkum, P.G., Urry, C.M., Herrera, D., Lehmert, B., Infante, L., Orsi, A., Marchesini, D., Blanc, G.A., Francke, H., Lira, P. & Treister, E.

Astrophysical Journal 667, 79 (2007)

34. “Spitzer Mid-to-Far-Infrared Flux Densities of Distant Galaxies”

Papovich, C., Rudnick, G., Le Floc’h, E., van Dokkum, P.G., Rieke, G.H., Taylor, E.N., Armus, L., **Gawiser, E.**, Huang, J., Marcillac, D., & Franx, M.

Astrophysical Journal 668, 45 (2007)

33. “The Multiwavelength Survey by Yale-Chile (MUSYC): Deep Near-Infrared Imaging and the Selection of Distant Galaxies”

Quadri, R., Marchesini, D., van Dokkum, P.G., **Gawiser, E.**, Franx, M., Lira, P., Rudnick, G., Urry, C.M., Maza, J., Kriek, M., Barrientos, L.F., Blanc, G., Castander, F.J., Christlein, D., Coppi, P.S., Hall, P.B., Herrera, D., Infante, L., Taylor, E.N., Treister, E. & Willis, J.P.

Astronomical Journal 134, 1103 (2007)

32. “The Origin of Line Emission in Massive $z \sim 2.3$ Galaxies: Evidence for Cosmic Downsizing of AGN Host Galaxies”

- Kriek, M., van Dokkum, P.G., Franx, M., Illingworth, G.D., Coppi, P., Forster Schreiber, N.M., **Gawiser, E.**, Labbe, I., Lira, P., Marchesini, D., Quadri, R., Rudnick, G., Taylor, E.N., Urry, C.M. & van der Werf, P.
Astrophysical Journal 669, 776 (2007)
31. “The UCSD/Keck Damped Ly α Abundance Database: A Decade of High Resolution Spectroscopy”
Prochaska, J.X., Wolfe, A.M., Howk, J.C., **Gawiser, E.**, Burles, S.M., & Cooke, J.
Astrophysical Journal Supplements 171, 29 (2007)
30. “The Rest-frame Optical Luminosity Functions of Galaxies at $2 < z < 3.5$ ”
Marchesini, D., van Dokkum, P.G., Quadri, R., Rudnick, G., Franx, M., Lira, P., Wuyts, S., **Gawiser, E.**, Christlein, D., & Toft, S.
Astrophysical Journal 656, 42 (2007)
29. “Clustering of K-Selected Galaxies at $2 < z < 3.5$: Evidence for a Color-Density Relation”
Quadri, R., van Dokkum, P.G., **Gawiser, E.**, Franx, M., Marchesini, D., Lira, P., Rudnick, G., Herrera, D., Maza, J., Kriek, M., Labbé, I. & Francke, H.
Astrophysical Journal 654, 138 (2007)
28. “The Physical Nature of Lyman Alpha Emitting Galaxies at $z = 3.1$ ”
Gawiser, E., van Dokkum, P.G., Gronwall, C., Ciardullo, R., Blanc, G., Castander, F.J., Feldmeier, J., Francke, H., Franx, M., Habertzettl, L., Hickey, T., Infante, L., Lira, P., Maza, J., Quadri, R., Richardson, A., Schawinski, K., Schirmer, M., Taylor, E., Treister, E., Urry, C.M. & Virani, S.N.
Astrophysical Journal Letters 642, L13 (2006)
27. “The Multiwavelength Survey by Yale-Chile (MUSYC): Survey Design and Deep Public UBVRIZ’ Images and Catalogs of the Extended Hubble Deep Field South”
Gawiser, E., van Dokkum, P.G., Maza, J., Herrera, D., Castander, F.J., Infante, L., Lira, P., Quadri, R., Toner, R., Treister, E., Urry, C.M., Altmann, M., Assef, R., Christlein, D., Coppi, P.S., Durán, M.F., Franx, M., Galaz, G., Huerta, L., Liu, C., López, S., Méndez, R., Moore, D., Rubio, M., Ruiz, M.T., Toft, S. & Yi, S. K.
Astrophysical Journal Supplements 162, 1 (2006)
26. “Survey for Galaxies Associated with $z \sim 3$ Damped Lyman alpha Systems II: Galaxy-Absorber Correlation Functions”
Cooke, J., Wolfe, A.M., **Gawiser, E.** & Prochaska, J.X.
Astrophysical Journal 652, 994 (2006)
25. “CXOCY 220132.8-320144: An Edge-on Spiral Gravitational Lens”
Castander, F.J., Treister, E., Maza, J., & **Gawiser, E.**
Astrophysical Journal 652, 955 (2006)
24. “Spectroscopic Identification of Massive Galaxies at $z \sim 2.3$ with Strongly Suppressed Star Formation”
Kriek, M., van Dokkum, P.G., Franx, M., Quadri, R., **Gawiser, E.**, Herrera, D., Illingworth, G.D., Labbé, I., Lira, P., Marchesini, D., Rix, H.-W., Rudnick, G., Taylor, E.N., Toft, S., Urry, C.M. & Wuyts, S.
Astrophysical Journal Letters 649, L71 (2006)
23. “The UCSD Radio-Selected Quasar Survey for Damped Ly α Systems”

- Jorgenson, R.A., Wolfe, A.M., Prochaska, J.X., Lu, L., Howk, J.C., Cooke, J., **Gawiser, E.**, & Gelino, D.M.
Astrophysical Journal 646, 730 (2006)
22. “Direct Measurements of the Stellar Continua and Balmer/4000 Angstrom Breaks of Red $z > 2$ Galaxies: Redshifts and Improved Constraints on Stellar Populations”
 Kriek, M., van Dokkum, P.G., Franx, M., Förster Schreiber, N.M., **Gawiser, E.**, Illingworth, G.D., Labbé, I., Marchesini, D., Quadri, R., Rix, H.-W., Rudnick, G., van der Werf, P. & Wuyts, S.
Astrophysical Journal 645, 44 (2006)
21. “The Extended Chandra Deep Field South Survey: X-ray Point-Source Catalog”
 Virani, S.N., Treister, E., Urry, C.M. & **Gawiser, E.**
Astronomical Journal 131, 2373 (2006)
20. “The Space Density and Colors of Massive Galaxies at $2 < z < 3$: The Preponderance of Distant Red Galaxies”
 van Dokkum, P.G., Quadri, R., Marchesini, D., Rudnick, G., Franx, M., **Gawiser, E.**, Herrera, D., Wuyts, S., Lira, P., Labbé, I., Maza, J., Illingworth, G.D., Förster Schreiber, N.M., Kriek, M., Rix, H.-W., Taylor, N., Toft, S. & Webb, T.
Astrophysical Journal Letters 638, L59 (2006)
19. “Measurement of the Spatial Cross-Correlation Function of Damped Lyman α Systems and Lyman Break Galaxies”
 Cooke, J., Wolfe, A.M., **Gawiser, E.** & Prochaska, J.X.
Astrophysical Journal Letters 636, L9 (2006)
18. “Star Formation in Distant Red Galaxies: Spitzer Observations in the Hubble Deep Field South”
 Webb, T.M.A., van Dokkum, P., Egami, E., Fazio, G., Franx, M., **Gawiser, E.**, Herrera, D., Huang, J., Labbe, I., Lira, P., Marchesini, D., Maza, J., Quadri, R., Rudnick, G. & van der Werf, P.
Astrophysical Journal Letters 636, L17 (2006)
17. “Survey for Galaxies Associated with $z \sim 3$ Damped Lyman α Systems I: Spectroscopic Calibration of u' BVRI Photometric Selection”
 Cooke, J., Wolfe, A.M., Prochaska, J.X. & **Gawiser, E.**
Astrophysical Journal 621, 596 (2005)
16. “The Calan-Yale Deep Extragalactic Research (CYDER) Survey: Optical Properties and Deep Spectroscopy of Serendipitous X-ray Sources”
 Treister, E., Castander, F.J., Maccarone, T.J., **Gawiser, E.**, Coppi, P.S., Urry, C.M., Maza, J., Herrera, D., Gonzalez, V., Montoya, C. & Pineda, P.
Astrophysical Journal 621, 104 (2005)
15. “On the Nature of the Heat Source for Damped Ly α Systems”
 Wolfe, A.M., Howk, J.C., **Gawiser, E.**, Prochaska, J.X., & Lopez, S.
Astrophysical Journal 615, 625 (2004)
14. “An X-ray Selected Active Galactic Nucleus at $z = 4.6$ Discovered by the CYDER Survey”
 Treister, E., Castander, F.J., Maccarone, T.J., Herrera, D., **Gawiser, E.**, Maza, J. & Coppi, P.S.
Astrophysical Journal 603, 36 (2004)

13. “The Age-Metallicity Relation of the Universe in Neutral Gas: The First 100 Damped Ly α Systems”
Prochaska, J.X., **Gawiser, E.**, Wolfe, A.M., Castro, S. & Djorgovski, S.G.
Astrophysical Journal Letters 595, L9 (2003)
12. “CII* Absorption in Damped Lyman Alpha Systems: (II) A New Window on the Star Formation History of the Universe”
Wolfe, A.M., **Gawiser, E.** & Prochaska, J.X.
Astrophysical Journal 593, 235 (2003)
11. “CII* Absorption in Damped Lyman Alpha Systems: (I) Star Formation Rates in a Two-Phase Medium”
Wolfe, A.M., Prochaska, J.X. & **Gawiser, E.**
Astrophysical Journal 593, 215 (2003)
10. “The ESI/Keck II Damped Ly α Abundance Database”
Prochaska, J.X., **Gawiser, E.**, Wolfe, A.M., Cooke, J. & Gelino, D.
Astrophysical Journal Supplements 147, 227 (2003)
9. “The Spectroscopic Variability of GRB 021004”
Matheson, T., Garnavich, P.M., Foltz, C., West, S., Williams, G., Falco, E., Calkins, M.L., Castander, F.J., **Gawiser, E.**, Jha, S., Bersier, D. & Stanek, K.Z.
Astrophysical Journal Letters 582, L5 (2003)
8. “Galaxies Associated With $z \sim 4$ Damped Ly α Systems: I. Imaging and Photometric Selection”
Prochaska, J.X., **Gawiser, E.**, Wolfe, A.M., Quirrenbach, A., Lanzetta, K.M., Chen, H-W., Cooke, J. & Yahata, N.
Astronomical Journal 123, 2206 (2002)
7. “First Investigation of the Clustering Environment of Damped Ly α Absorbers at $z \simeq 4$ ”
Gawiser, E., Wolfe, A.M., Prochaska, J.X., Lanzetta, K.M., Yahata, N. & Quirrenbach, A.
Astrophysical Journal 562, 628 (2001)
6. “Galactic Chemical Abundances at $z > 3$: First Results from the Echellette Spectrograph and Imager”
Prochaska, J.X., **Gawiser, E.** & Wolfe, A.M.
Astrophysical Journal 552, 99 (2001)
5. “The UCSD HIRES/Keck I Damped Ly α Abundance Database: I. The Data”
Prochaska, J.X., Wolfe, A.M., Tytler, D., Burles, S., Cooke, J., **Gawiser, E.**, Kirkman, D., O’Meara, J.M. & Storrie-Lombardi, L.
Astrophysical Journal Supplements 137, 21 (2001)
4. “Contribution of Bright Extragalactic Radio Sources to Microwave Anisotropy”
Sokasian, A., **Gawiser, E.** & Smoot, G. F.
Astrophysical Journal 562, 88 (2001)
3. “Constraining Primordial Non-Gaussianity With the Abundance of High Redshift Clusters”
Robinson, J., **Gawiser, E.** & Silk, J.
Astrophysical Journal 532, 1 (2000)

2. “Extracting Primordial Density Fluctuations”

Gawiser, E. & Silk, J.

Science 280, 1405 (1998) [Research Article, 148 SPIRES citations]

1. “Contribution of Extragalactic Infrared Sources to CMB Foreground Anisotropy”

Gawiser, E. & Smoot, G. F.

Astrophysical Journal Letters 480, L1 (1997)

Ph.D. Thesis

“Big Bang Leftovers in the Microwave: Cosmology with the Cosmic Microwave Background Radiation”

Gawiser, E.

U.C. Berkeley Ph.D. Thesis, astro-ph/0005365 (1999)

Conference Proceedings

15. “Clustering of Intermediate Luminosity X-ray selected AGN at $z \sim 3$ ”

Francke, H., **Gawiser, E.**, Lira, P., Treister, E., Virani, S., Cardamone, C., Urry, C.M., van Dokkum, P.G., & Quadri, R.

Proc. of XII Latin American IAU REgional Meeting, Revista Mexicana de Astronomía y Astrofísica, Vol. 35, Eds.: G. Magris, G. Bruzual & L. Carigi, p. 221-222 (2009)

14. “Recent Star Formation in High-redshift Early-type Galaxies: Insights from the Rest-frame UV”

Kaviraj, S., Yi, S.K., **Gawiser, E.**, van Dokkum, P.G., Khochfar, S., Schawinski, K. & Silk, J.

Proc. of the IAU, Vol. 245, Ed.: M. Bureau, E. Athanassoula, and B. Barbuy, p. 195 (2008)

13. “MUSYC: A Deep Square Degree Survey of the Formation and Evolution of Galaxies and Supermassive Black Holes”

Gawiser, E. & MUSYC Collaboration

Proc. of “From Z-Machines to ALMA:(Sub)millimeter Spectroscopy of Galaxies”, Ed.: A.J. Baker, J. Glenn, A.I. Harris, J.G. Mangum & M.S. Yun, p.225 (2007)

12. “Likelihood Source Matching Applied to the Extended Chandra Deep Field-South”

Cardamone, C.N., Urry, C.M., Virani, S. & **Gawiser, E.**

“*Statistical Challenges in Modern Astronomy IV*”, ASP Conference Series Vol. 371, Ed: G.J. Babu & E.D. Feigelson, p.405 (2007)

11. “The Extended Chandra Deep Field-South Survey: Optical Properties of X-ray Detected Sources”

Virani, S., Treister, E., Urry, C.M., **Gawiser, E.** & MUSYC Collaboration

Proc. of “The X-Ray Universe 2005”, Ed: A. Wilson, p. 849 (2006)

10. “The Cross-correlation of Damped Lyman- α Systems and Lyman Break Galaxies”

Cooke, J., Wolfe, A.M., Prochaska, J.X. & **Gawiser, E.**

New Astronomy Reviews 50: First Light and Reionization, 35 (2006)

9. “Searching for White and Brown Dwarfs in the Frame of the MUSYC/CYDER Survey”

Altmann, M., Mendez, R.A., Ruiz, M.-T., van Altena, W., **Gawiser, E.**, Maza, J. & van Dokkum, P.

- 14th European Workshop on White Dwarfs, ASP Conference Series, Vol. 334*, ed. D. Koester & S. Moehler. San Francisco: Astronomical Society of the Pacific, p.143 (2005)
8. “Multiwavelength Survey by Yale-Chile”
Lira, P. & MUSYC Collaboration
Proc. of IAU Symp. No. 222: “The Interplay Among Black Holes, Stars and ISM in Galactic Nuclei”, ed. by T. Storchi-Bergmann, L.C. Ho & Henrique R. Schmitt. Cambridge, UK: Cambridge University Press, p.531 (2004)
7. “Interpreting CMB Anisotropy Observations: Trying to Tell the Truth with Statistics”
Gawiser, E.
Relativistic Astrophysics: Proc. of 20th Texas Symposium, ed. J.C. Wheeler & H. Martel (AIP), 202 (2001)
6. “Is the Λ CDM Model Consistent with Observations of Large-Scale Structure?”
Gawiser, E.
Proc. of “Sources and Detection of Dark Matter and Dark Energy in the Universe,” ed. D.B. Cline, (Springer, Berlin), 92 (2000)
5. “Limits on Neutrino Masses from Large-Scale Structure”
Gawiser, E.
Proc. of PASCOS99 Conference, Lake Tahoe, CA 1999, astro-ph/0005475 (2000)
4. “From the Cosmological Microwave Background to Large-Scale Structure”
Silk, J. & **Gawiser, E.**
Nobel Symposium 109: Particle Physics and the Universe, Physica Scripta T85, 132 (2000)
3. “Clusters, Clustering and a Constraint on Primordial Non-gaussianity”
Robinson, J., **Gawiser, E.** & Silk, J.
Nuclear Physics B Proceedings Supplements, Vol. 80, Proceedings of the Texas Symposium on Relativistic Astrophysics and Cosmology, p. 4-19 (2000)
2. “From the Cosmological Microwave Background to Large-Scale Structure”
Silk, J. & **Gawiser, E.**
COSMO-98, Second International Workshop on Particle Physics and the Early Universe, ed. D. O. Caldwell (AIP Conference Proceedings, vol. 478, Woodbury, NY), p. 142 (1999)
1. “Reconstructing the Primordial Power Spectrum”
Gawiser, E.
Proc. of 18th Texas Symposium on Relativistic Astrophysics, Chicago, December 1996, eds. A. Olinto, J. Frieman and D.N. Schramm (Singapore: World Scientific), p.285 (1998)

Astro2010 White Papers

5. “Science Frontiers in Galaxy Evolution: Deep-Wide Surveys”
Ferguson, H. et al., including **Gawiser, E.**
4. “Research Science and Education: The NSF’s Astronomy and Astrophysics Postdoctoral Fellowship”

Norman, D. et al., including **Gawiser, E.**

arXiv:0903.4509

3. “Increasing the Number of Underrepresented Minorities in Astronomy: Executive Summary”

Norman, D. et al., including **Gawiser, E.**

arXiv:0903.4505

2. “Increasing the Number of Underrepresented Minorities in Astronomy at the Undergraduate, Graduate, and Postdoctoral Levels”

Norman, D. et al., including **Gawiser, E.**

arXiv:0903.4506

1. “Increasing the Number of Underrepresented Minorities in Astronomy Through K-12 Education and Public Outreach”

Norman, D. et al., including **Gawiser, E.**

arXiv:0903.4507

Other Publications

2. “Lyman-Alpha Emitting Galaxies at $z=3.1$: Progenitors of Present-Day L^* Galaxies”

Gawiser, E., Gronwall, C., Ciardullo, R., Feldmeier, J. & MUSYC Collaboration

NOAO/NSO Newsletter Issue 93, p. 4 (2008)

1. “Results from the Multiwavelength Survey by Yale-Chile (MUSYC)”

Treister, E., **Gawiser, E.**, van Dokkum, P.G., Lira, P., Urry, C.M. & MUSYC Collaboration

The Messenger (European Southern Observatory) vol. 129, p.45 (2007)

Conference Abstracts and Circulars

52. “Probing the Dark Matter-Galaxy Formation Connection with Lyman Alpha Emitting Galaxies”

Gawiser, E.

APS, April Meeting, C12.007 (2009)

51. “Probing the Dark Matter-Galaxy Formation Connection with Lyman Alpha Emitting Galaxies”

Gawiser, E., Walker, J., Bond, N., Gronwall, C., Ciardullo, R., Francke, H., Lira, P., Feldmeier, J. & MUSYC Collaboration

AAS 213, 313.02 (2009)

50. “The Rest-ultraviolet Morphologies Of $z = 3.1$ Ly α Emitters In The ECDF-S”

Bond, N., **Gawiser, E.**, Gronwall, C., & Ciardullo, R.

AAS 213, 424.24 (2009)

49. “Sweeping Up The Dust: A Sub-millimeter Stacking Analysis Of High-redshift Star Forming Galaxies”

Kurczynski, P., **Gawiser, E.**, Cortes, J., Lira, P., Wilson, G., MUSYC Collaboration, LESS Collaboration & ASTE/AzTEC Team

AAS 213, 337.04 (2009)

48. “Luminosity Functions and Photometric Properties of Lyman-alpha Emitters at $z \simeq 3$ ”
Gronwall, C., Ciardullo, R., **Gawiser, E.**, Bond, N., Guaita, L. & Feldmeier, J.
AAS 213, 424.09 (2009)
47. “Galaxy Properties at redshift 0 to 1.2 from a Deep Medium Band Subaru Imaging of the MUSYC Extended Chandra Deep Field South”
Cardamone, C., Urry, M., van Dokkum, P., **Gawiser, E.**, Brammer, G., Taylor, N., Treister, E., Taniguchi, Y., Sasaki, S., Virani, S. & Kriek, M.
AAS 213, 334.05 (2009)
46. “Deep Medium-Band Subaru Imaging of the MUSYC Extended Chandra Deep Field South”
Urry, C.M., Cardamone, C., van Dokkum, P., **Gawiser, E.**, Brammer, G., Taylor, N., Treister, E., Taniguchi, Y., Sasaki, S., Virani, S. & Kriek, M.
AAS 213, 424.18 (2009)
45. “The LSST Galaxies Science Collaboration: Nearby Groups and Clusters”
Ferguson, H.C., Armus, L., Borne, K., Dickinson, M., **Gawiser, E.**, Gilmore, K., Ivezić, Z., Margoniner, V., Norman, D., O’Brian, M., Rasmussen, A., Roskar, R., Schmidt, S., Seigar, M., Stanford, S., Strauss, M., Wechsler, R., Newman, J., Tyson, J. A., Zentner, A. & LSST Galaxies Collaboration
AAS 213, 460.07 (2009)
44. “Ly Alpha-Emitting Galaxies at $z = 3.1$: L^* Progenitors Experiencing Rapid Star Formation”
Gawiser, E., Francke, H., Lai, K., Schawinski, K., Gronwall, C., Ciardullo, R. & MUSYC Collaboration
AAS 211, 35.02 (2007)
43. “Clustering of Star-forming Galaxies and AGN at $z \sim 3$ in MUSYC”
Francke, H., **Gawiser, E.**, Lira, P., Treister, E., Virani, S., Cardamone, C., Urry, C.M., van Dokkum, P., Quadri, R. & MUSYC Collaboration
AAS 211, 35.03 (2007)
42. “The LSST Galaxies Science Collaboration”
Ferguson, H.C., Borne, K., Dickinson, M., **Gawiser, E.**, Gilmore, K., Fabio, G., Jimenez, R., Margoniner, V., Norman, D., O’Brian, M., Rasmussen, A., Roskar, R., Seigar, M., Stanford, A., Strauss, M. & Wechsler, R.
AAS 211, 137.08 (2007)
41. “Mid-infrared Properties and Color-Selection for X-ray Detected AGN”
Cardamone, C.N., Urry, C., Damen, M., van Dokkum, P., Treister, E., Labbe, I., Virani, S., Lira, P. & **Gawiser, E.**
AAS 211, 46.06 (2007)
40. “The Physical Nature of Lyman Alpha Emitters at $z = 3.1$ ”
Gawiser, E., Gronwall, C., Ciardullo, R., Feldmeier, J. & MUSYC Collaboration
AAS 210, 97.04 (2007)
37. “The MUSYC Public Data Release”
Gawiser, E., van Dokkum, P.G., Lira, P., Urry, C.M., Blanc, G.A., Damen, M., Herrera, D., Labbe, I., Marchesini, D., Quadri, R., Taylor, E.N., Treister, E. & MUSYC Collaboration
AAS 210, 12.02 (2007)

37. “Spitzer Mid-to-Far-Infrared Flux Densities of Distant Galaxies”
Papovich, C., Rudnick, G., Le Floch, E., van Dokkum, P.G., Rieke, G., Taylor, E.N., Armus, L.,
Gawiser, E., Marcellac, D., Huang, J., Franx, M. & MUSYC Collaboration
AAS 210, 8.13 (2007)
37. “The Nature of Lyman Alpha Emitters at $z = 3.1$ in the MUSYC Survey”
Gawiser, E., Gronwall, C., Ciardullo, R., Francke, H., van Dokkum, P.G., Feldmeier, J., Urry, C.M.
& MUSYC Collaboration
AAS 209, 225.07 (2006)
36. “Clustering of $z = 3$ AGN in MUSYC-ECDFS”
Francke, H., **Gawiser, E.**, Lira, P., Virani, S., Treister, E., Urry, C.M. & MUSYC Collaboration
AAS 209, 72.07 (2006)
35. “The Luminosity Function of Ly α Emitters at $z = 3.1$ ”
Ciardullo, R., Gronwall, C., Hickey, T., **Gawiser, E.**, Feldmeier, J.J. & MUSYC Collaboration
AAS 209, 171.05 (2006)
34. “On the Emergence of the Red Galaxy Sequence”
Taylor, E.N., Franx, M., van Dokkum, P., & **Gawiser, E.**
IAU Symposium 235, #385 (2006)
33. “New EXOs (Very Red AGN) in the MUSYC Survey”
Urry, C.M., Treister, E., Virani, S., Cardamone, C., van Dуйne, J., Damen, M., Taylor, E., Labbe,
I., DeRobertis, M., Schawinski, K., van Dokkum, P., **Gawiser, E.**, Coppi, P., & MUSYC
Collaboration
AAS 208, 71.02 (2006)
32. “The MUSYC Census of Protogalaxies at $z = 3$ ”
Gawiser, E. & MUSYC Collaboration
AAS 207, 157.01 (2005)
31. “LBG, LAE & AGN at $z = 3$ in MUSYC”
Francke, H., **Gawiser, E.**, Virani, S., Treister, E., Urry, C.M. & MUSYC Collaboration
AAS 207, 80.20 (2005)
30. “X-ray Properties of Star-forming Galaxies in the MUSYC Survey”
Richardson, A., Virani, S.N., **Gawiser, E.**, Urry, C.M., Treister, E., Van Dуйne, J., Miller, L. &
MUSYC Collaboration
AAS 207, 80.19 (2005)
29. “Optical Properties of AGN in the ECDFS Field of the MUSYC Survey”
Coppi, P.S., Virani, S.N., Van Dуйne, J., Urry, C.M., Treister, E., **Gawiser, E.**, Francke, H., & MUSYC
Collaboration
AAS 207, 80.22 (2005)
28. “Near-Infrared Properties of AGN in the MUSYC Survey”
Van Dуйne, J., Urry, C.M., Virani, S., Treister, E., Taylor, E., **Gawiser, E.**, van Dokkum, P., &
MUSYC Collaboration

- AAS 207, 80.18 (2005)
27. “EXOs and Obscured AGN in the MUSYC Survey”
 Urry, C.M., Virani, S.N., Van Duyne, J., Treister, E., Taylor, E., **Gawiser, E.**, van Dokkum, P., & MUSYC Collaboration
 AAS 207, 80.21 (2005)
26. “The Mass of Systems at $2.5 < z < 5$ ”
 Cooke, J., Wolfe, A.M., **Gawiser, E.**, & Prochaska, J.X.
 AAS 207, 22.10 (2005)
25. “MUSYC: A Deep Square-degree Survey of the Formation and Evolution of Galaxies and Their Central Black Holes”
Gawiser, E. & MUSYC Collaboration
 AAS 205, 81.04 (2004)
24. “MUSYC: A Deep Square-degree Survey of the Formation and Evolution of Galaxies and Their Central Black Holes”
 Treister, E., **Gawiser, E.**, van Dokkum, P., Urry, C.M., Herrera, D.A., Quadri, R., Lira, P., Infante, L. & MUSYC Collaboration
 AAS 205, 94.03 (2004)
23. “The Spatial Cross-Correlation of Damped Lyman-alpha Systems and Galaxies at $z=3$ ”
 Cooke, J., Wolfe, A.M., **Gawiser, E.**, & Prochaska, J.X.
 AAS 205, 129.01 (2004)
22. “Ly α Emitters at $z=3.1$ in the Extended CDF-S/GOODS-S Field”
 Hickey, T., Gronwall, C., Ciardullo, R., Feldmeier, J, **Gawiser, E.**, Herrera, D. & MUSYC Collaboration
 AAS 205, 81.04 (2004)
21. “A Rejuvenated Universe Without Initial Singularity”
Gawiser, E.
 APS, April Meeting, W10.003 (2004)
20. “The Calan-Yale Deep Extragalactic Research (CYDER) Survey: Optical Properties and Deep Spectroscopy of Extragalactic Serendipitous X-Ray Sources”
 Coppi, P.S., Treister, E., Castander, F.J., Maccarone, T.J., **Gawiser, E.**, Maza, J., Herrera, D., Urry, C.M., Gonzalez, V., Montoya, C., & Pineda, P.
 AAS, High Energy Astrophysics Division 8, 37.07 (2004)
19. “The Mass of Damped Lyman Alpha Systems at $z=3$: Cross-correlation with Lyman Break Galaxies”
 Cooke, J., Wolfe, A.M., Prochaska, J.X., & **Gawiser, E.**
 AAS 204, 91.08 (2004)
18. “GRB 031203, Possible Supernova”
 Bersier, D., Rhoads, J., Fruchter, A., Castro Ceron, J.M., Strolger, L.-G., Malhotra, S., Gorosabel, J., Levan, A., Kouveliotou, C., Patel, S., Merrill, M., **Gawiser, E.**, Duran, M.F. & Gonzalez, V.
 GRB Coordinates Network, 2544, 1 (2004)

17. "MUSYC: A Deep Square-degree UBVRIzJHK Survey of the Formation and Evolution of Galaxies and Their Central Black Holes"
Gawiser, E. & MUSYC Collaboration
 AAS 203, 26.01 (2003)
16. "Hayden Planetarium's Digital Universe: The Extragalactic Atlas"
 Abbott, B.P., **Gawiser, E.**, Emmart, C.E., & Wyatt, R.J.
 AAS 203, 118.07 (2003)
15. "A Survey of Galaxies Associated With $z=3$ Damped Lyman Alpha Absorbers: Inferring Typical Absorber Mass Via Galaxy Bias"
 Cooke, J., Wolfe, A.M, **Gawiser, E.** & Prochaska, J.X.
 AAS 203, 145.04 (2003)
14. "The Chilean Old Galaxy Survey"
 Hall, P., Willis, J., **Gawiser, E.**, Treister, E., Castander, F., van Dokkum, P., Urry, M., Maza, J., Barrientos, F. & Minniti, D.
 IAU Symposium 216, 62 (2003)
13. "A Rejuvenated Universe Without Initial Singularity"
Gawiser, E.
 APS, April Meeting, Y6.002 (2002)
12. "GRB 021004, Spectroscopic Observations"
 Castander, F.J., **Gawiser, E.**, Foltz, C., West, S., Williams, G., Falco, E., Matheson, T., Stanek, K.Z., Garnavich, P., & Macri, L.
 GRB Coordinates Network, 1599, 1 (2002)
11. "Survey and Analysis of QSO Fields With Known $z \sim 3$ Damped Lyman α Systems"
 Cooke, J., Wolfe, A.M, **Gawiser, E.** & Prochaska, J.X.
 AAS 200, 40.13 (2002)
10. "Measuring the Damped Lyman alpha Absorber - Lyman Break Galaxy Cross-Correlation"
Gawiser, E.
 AAS 199, 29.05 (2001)
9. "Galaxies Associated with Damped Lyman Alpha Absorbers at $z = 4$ "
Gawiser, E., Wolfe, A.M., & Prochaska, J.X.
 APS, April meeting, B14.007 (2001)
8. "A Survey of Lyman Break Galaxies Associated with Damped Lyman Alpha Systems at $z=3$ "
 Cooke, J., Wolfe, A.M., **Gawiser, E.**, Prochaska, J.X. & Darling, J.
 AAS 198, 54.10 (2001)
7. "An Overdensity of Galaxies Near a Damped Lyman α System at $z=4$ "
Gawiser, E., Wolfe, A.M., Prochaska, J.X., Lanzetta, K.M. & Quirrenbach, A.
 AAS 197, 20.05 (2000)
6. "New Metallicity Measurements of $z > 3$ Damped Lya Systems"
 Prochaska, J.X., Wolfe, A.M., & **Gawiser, E.**

AAS 197, 03.09 (2000)

5. “A Survey of Lyman Break Galaxies Associated with Damped Lyman Alpha Systems at $z=3$ ”

Cooke, J., Wolfe, A.M., **Gawiser, E.**, & Prochaska, J.X.

AAS 197, 134.10 (2000)

4. “An Empirical Approach to Cosmological Structure Formation”

Gawiser, E.

AAS 193, 109.02 (1998)

3. “Limits on CMB Anisotropy from Point Sources”

Gawiser, E.

AAS 192, 17.03 (1998)

2. “Testing Models of Structure Formation”

Gawiser, E. & Silk, J.

AAS 191, 95.06 (1997)

1. “Contribution of Extragalactic Radio Sources to Cosmic Microwave Background Anisotropy”

Sokasian, A., Smoot, G.F. & **Gawiser, E.**

AAS 191, 87.06 (1997)