

Prof. Eric Gawiser

Publications

The 335 publications listed below have received more than 17,000 citations, with an h -index of 65.

* identifies publications led by myself or a member of my research group at Rutgers.

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, 177-189 (2006)

3. “Damped Ly α Systems”

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

Annual Reviews of Astronomy & Astrophysics 43, 861-918 (2005)

*2. “The Cosmic Microwave Background Radiation”

Gawiser, E. & Silk, J.

Physics Reports 333, 245-167 (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., Holzapfel, 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), 367-377 (1999)

Submitted

1. “The Impact of Observing Strategy on Cosmological Constraints with LSST”

Lochner, M., Scolnic, D., Almoubayyed, H., Anguita, T., Awan, H., **Gawiser, E.**, Gontcho A Gontcho, S., Gris, P., Huber, S., Jha, S.W., Jones, R.L., Kim, A.G., Mandelbaum, R., Marshall, P., Petrushevskaya, T., Regnault, N., Setzer, C.N., Suyu, S.H., Yoachim, P., Biswas, R., Blaineau, T., Hook, I., Moniez, M., Neilsen, E., Peiris, H., Rothchild, D., Stubb, C. & The LSST Dark Energy Science Collaboration

submitted to *Astrophysical Journal Supplements*, arXiv:2104.05676

2. “Validating Synthetic Galaxy Catalogs for Dark Energy Science in the LSST Era”

Kovacs, E., Mao, Y.-Y., Agüena, M., Bahmanyar, A., Broussard, A., Butler, J., Campbell, D., Chang, C., Fu, S., Heitmann, K., Korytov, D., Lanusse, F., Larsen, P., Mandelbaum, R., Morrison, C.B., Payerne, C., Ricci, M., Rykoff, E., Sánchez, F.J., Sevilla-Noarbe, I., Simet, M., To, C.-H., Vikraman, V., Zhou, R., Avestruz, C., Benoist, C., Benson, A.J., Bleem, L., Diprriano, A., Combet, C., **Gawiser, E.**, He, S., Joseph, R., Newman, J.A., Prat, J., Schmidt, S., Slosar, A.,

Refereed Journal Publications

- *146. “Using a Neural Network Classifier to Select Galaxies with the Most Accurate Photometric Redshifts”
Broussard, A., & **Gawiser, E.**
Astrophysical Journal 922, 153 (2021) [14 pages]
- *145. “Simultaneous Estimation of Large-Scale Structure and Milky Way Dust Extinction from Galaxy Surveys”
Bravo, M., **Gawiser, E.**, Padilla, N.D., DeRose, J., Wechsler, R.H., & The LSST Dark Energy Science Collaboration
Astrophysical Journal 921, 108 (2021) [17 pages]
- *144. “Star Formation Histories from SEDs and CMDs Agree: Evidence for Synchronized Star Formation in Local Volume Dwarf Galaxies over the Past 3 Gyr”
Olsen, C., **Gawiser, E.**, Iyer, K., McQuinn, K.B.W., Johnson, B.D., Telford, G., Wright, A.C., Broussard, A. & Kurczynski, P.
Astrophysical Journal 913, 45 (2021) [19 pages]
143. “Optimization of the Observing Cadence for the Rubin Observatory Legacy Survey of Space and Time: a pioneering process of community-focused experimental design”
Bianco, F.B., Ivezić, Z., Jones, R.L., Graham, M.L., Marshall, P., Saha, A., Strauss, M.A., Yoachim, P., Ribeiro, T., Aunguita, T., Bauer, F.E., Bellm, E.C., Blum, R.D., Brandt, W.N., Brough, S., Catelan, M., Clarkson, C., Connolly, A.J., **Gawiser, E.**, Gizis, J., Hlozek, R., Kaviraj, S., Liu, C.T., Lochner, M., Mahabal, A.A., Mandelbaum, R., McGehee, P., Neilsen, E.H., Olsen, K.A.G., Peiris, H., Rhodes, J., Richards, G.T., Ridgway, S., Schwamb, M.E., Scolnic, D., Shemmer, O., Slater, C.T., Slosar, A., Smartt, S.J., Strader, J., Street, R., Trilling, D.E., Verma, A., Vivas, A.K., Wechsler, R.H. & Willman, B.
Astrophysical Journal Supplements 258, 1 (2021) [15 pages]
142. “The LSST-DESC 3x2pt Tomography Optimization Challenge”
Zuntz, J., Lanusse, F., Malz, A.I., Wright, A.H., Slosar, A., Abolfathi, B., Alonso, D., Bault, A., Bom, C.R., Brescia, M., Broussard, A., Campagne, J.-E., Cuvuoti, S., Cypriano, E.S., Fraga, B.M.O., **Gawiser, E.**, Gonzalez, E.J., Green, D., Hatfield, P., Iyer, K., Kirkby, D., Nicola, A., Nourbakhsh, E., Park, A., Teixeira, G., Heitmann, K., Kovacs, E., Mao, Y.-Y. & the LSST Dark Energy Science Collaboration
Open Journal of Astrophysics 4, 13 (2021) [30 pages]
141. “The Hobby-Eberly Telescope Dark Energy Experiment (HETDEX) Survey Design, Reductions, and Detections”
Gebhardt, K., Mentuch Cooper, E., Ciardullo, R., Acquaviva, V., Bender, R., Bowman, W.P., Catanheira, B.G., Dalton, G., Davis, D., de Jong, R.S., DePoy, D., Devarakonda, Y., Dongsheng, S., Drory, N., Fabricius, M., Farrow, D.J., Feldmeier, J., Finkelstein, S.L., Froning, C.S., **Gawiser,**

E., Gronwall, C., Herold, L., Hill, G.J., Hopp, U., House, L.R., Janowiecki, S., Jarvis, M., Jeong, D., Jogee, S., Kakuma, R., Kollattschny, W., Komatsu, E., Krumpke, M., Landriau, M., Liu, C., Lujan Niemeyer, J., MacQueen, P., Marshall, J., Mawatari, K., McLinden, E.M., Mukae, S., Nagaraj, G., Ono, Y., Ouchi, M., Papovich, C., Sakai, N., Saito, S., Schneider, D.P., Schulze, A., Shanmugasundararaj, K., Shetrone, M., Sneden, C., Snigula, J., Steinmetz, M., Thomas, B., thomas, B., Tuttle, S., Uutia, T., Wisotzki, L., Wold, I., Zeimann, G. & Zhang, Y.

Astrophysical Journal 923, 217 (2021) [39 pages]

140. “Correcting correlation functions for redshift-dependent interloper contamination”

Farrow, D., Sanchez, A., Ciardullo, R., Mentuch Cooper, E., Davis, D., Fabricius, M., **Gawiser, E.**, Grasshorn Gebhardt, H.S., Gebhardt, K., Hill, G.J., Jeong, D., Komatsu, E., Landriau, M., Snigula, J., Saito, S.S. & Wold, I.G.B.

Monthly Notices of the Royal Astronomical Society 507, 3187-3206 (2021)

139. “First HETDEX Spectroscopic Determinations of Ly α and UV Luminosity Functions at $z = 2-3$: Bridging a Gap between Faint AGN and Bright Galaxies”

Zhang, Y., Ouchi, M., Gebhardt, K., Mentuch Cooper, E., Liu, C., Davis, D., Jeong, D., Farrow, D.J., Finkelstein, S.L., **Gawiser, E.**, Hill, G.J., Kakuma, R., Acquaviva, V., Casey, C.M., Fabricius, M., Hopp, U., Jarvis, M., Landriau, M., Matawari, K., Mukae, S., Ono, Y., Sakai, N. & Schneider, D.P.

Astrophysical Journal 922, 167 (2021) [19 pages]

138. “Detection of Lyman Continuum from $3.0 < z < 3.5$ Galaxies in the HETDEX Survey”

Davis, D., Gebhardt, K., Mentuch Cooper, E., Chisholm, J., Ciardullo, R., Farrow, D.J., Finkelstein, S.L., Gronwall, C., **Gawiser, E.**, Hill, G.J., Hopp, U., Jeong, D., Landriau, M., Liu, C., Lujan Niemeyer, M., Schneider, D.P., Snigula, J., & Tuttle, S.

Astrophysical Journal 920, 122 (2021) [16 pages]

137. “HETDEX [O III] Emitters I: A spectroscopically selected low-redshift population of low-mass, low-metallicity galaxies”

Indahl, B., Zeimann, G., Hill, G.J., Bowman, W.P., Ciardullo, R., Drory, N., **Gawiser, E.**, Hopp, U., Janowiecki, S., Boylan-Kolchin, M., Mentuch Cooper, E., Davis, D., Farrow, D., Finkelstein, S., Gronwall, C., Kelz, A., McQuinn, K.B.W., Schneider, D.P. & Tuttle, S.E.

Astrophysical Journal 916, 11 (2021) [24 pages]

136. “The HETDEX Survey: The Ly α Escape Fraction from 3D-HST Emission Line Galaxies at $z \sim 2$ ”

Weiss, L.H., Bowman, W.P., Ciardullo, R., Zeimann, G.R., Gronwall, C., Mentuch Cooper, E., Gebhardt, K., Hill, G.J., Blanc, G.A., Farrow, D.J., Finkelstein, S.L., **Gawiser, E.**, Janowiecki, S., Jogee, S., Schneider, D.P., & Wisotzki, L.

Astrophysical Journal 912, 100 (2021) [15 pages]

135. “The LSST DESC DC2 Simulated Sky Survey”

LSST Dark Energy Science Collaboration, Abolfathi, B., Alonso, D., Armstrong, R., Aubourg, E., Awan, H., Babuji, Y.N., Bauer, F.E., Bean, R., Becket, G., Biswas, R., Bogart, J.R., Boutigny, D., Chard, K., Chiang, J., Claver, C.F., Cohen-Tanugi, J., Combet, C., Connolly, A.J., Daniel, S.F., Digel, S. W., Drlica-Wagner, A., Dubois, R., Gangler, E., **Gawiser, E.**, Glanzman, T., Gris, P., Habib, S., Hearin, A.P., Heitmann, K., Hernandez, F., Hloek, R., Hollowed, J., Ishak, M., Ivezi, ., Jarvis, M., Jha, S.W., Kahn, S.M., Kalmbach, B.J., Kelly, H.M., Kovacs, E., Korytov, D., Krughoff, K.S., Lage, C.S., Lanusse, F., Larsen, P., Le Guillou, L., Li, N., Longley, E.P.,

Lupton, R.H., Mandelbaum, R., Mao, Y.-Y., Marshall, P., Meyers, J.E., Moniez, M., Morrison, C.B., Nomerotski, A., O'Connor, P., Park, H., Park, J.W., Peloton, J., Perrefort, D., Perry, J., Plaszczynski, S., Pope, A., Rasmussen, A., Reil, K., Roodman, A.J., Rykoff, E.S., Snchez, F.J., Schmidt, S.J., Stubbs, C.W., Tyson, J.A., Uram, T.D., Villarreal, A., Walter, C.W., Wiesner, M.P., Wood-Vasey, W.M., & Zuntz, J.

The Astrophysical Journal Supplements 253, 31 (2021)[34 pages]

*134. “Angular Correlation Function Estimators Accounting for Contamination from Probabilistic Distance Measurements”

Awan, H. & **Gawiser, E.**

The Astrophysical Journal 890, 78 (2020) [32 pages]

*133. “The Diversity and Variability of Star Formation Histories in Models of Galaxy Evolution”

Iyer, K.G., Tacchella, S., Genel, S., Hayward, C.C., Hernquist, L., Brooks, A.M., Caplar, N., Davé, R., Diemer, B., Forbes, J.C., **Gawiser, E.**, Somerville, R.S. & Starkenburg, T.K.

Monthly Notices of the Royal Astronomical Society 498, 430-463 (2020)

132. “Optimising LSST Observing Strategy for Weak Lensing Systematics”

Almoubayyed, H., Mandelbaum, R., Awan, H., **Gawiser, E.**, Jones, R.L., Meyers, J., Tyson, J.A., Yoachim, P. & The LSST Dark Energy Science Collaboration

Monthly Notices of the Royal Astronomical Society 499, 1140-1153 (2020)

131. “Cosmological 3D HI Gas Map with HETDEX Ly α Emitters and eBOSS QSOs at $z = 2$: IGM-Galaxy/QSO Connection and a ~ 40 -Mpc Scale Giant H II Bubble Candidate”

Mukae, S., Ouchi, M., Hill, G.J., Gebhardt, K., Mentuch Cooper, E., Jeong, D., Saito, S., Fabricius, M., **Gawiser, E.**, Ciardullo, R., Farrow, D., Davis, D., Zeimann, G., Finkelstein, S.L., Gronwall, C., Liu, C., Zhang, Y., Byrohl, C., Ono, Y., Schneider, D.P., Jarvis, M.J., Casey, C.M., & Mawatari, K.

Astrophysical Journal 930, 24 (2020) [19 pages]

130. “The LSST DESC Data Challenge 1: Generation and Analysis of Synthetic Images for Next Generation Surveys”

Sánchez, F.J., Walter, C.W., Awan, H., Chiang, J., Daniel, S.F., **Gawiser, E.**, Glanzman, T., Kirkby, D.P., Mandelbaum, R., Slosar, A., Wood-Vasey, W.M., AlSayyad, Y., Burke, C.J., Digel, S.W., Jarvis, M., Johnson, T., Kelly, H., Krughoff, S., Lupton, R.H., Marshall, P.J., Peterson, J.R., Price, P.A., Sembroski, G., Van Klaveren, B., Wiesner, M.P. & Xin, B. (for the LSST Dark Energy Science Collaboration)

Monthly Notices of the Royal Astronomical Society 497, 210-228 (2020)

129. “Tomographic galaxy clustering with the Subaru Hyper Suprime-Cam first year public data release”

Nicola, A., Alonso, D., Sánchez, J., Slosar, A., Awan, H., Broussard, A., Dunkley, J., **Gawiser, E.**, Gomes, Z., Mandelbaum, R., Miyatake, H., Newman, J.A., Sevilla, I., Skinner, S. & Wagoner, E. (for the LSST Dark Energy Science Collaboration)

Journal of Cosmology and Astroparticle Physics 2020-03, 044 (2020) [65 pages]

*128. “Non-Parametric Star Formation History Reconstruction with Gaussian Processes I: Counting Major Episodes of Star Formation”

Iyer, K.G., **Gawiser, E.**, Faber, S.M., Ferguson, H.C., Koekemoer, A.M., Pacifici, C. & Somerville, R.S.

Astrophysical Journal 879, 116 (2019) [23 pages]

*127. “Star Formation Stochasticity Measured with the Burst State Indicator ”

Broussard, A., **Gawiser, E.**, Iyer, K., Kurczynski, P., Somerville, R.S., Davé, R., Finkelstein, S., Jung, I. & Pacifici, C.

Astrophysical Journal 873, 74 (2019) [16 pages]

126. “CosmoDC2: A Synthetic Sky Catalog for Dark Energy Science with LSST”

Korytov, D., Hearin, A., Kovacs, E., Larsen, P., Rangel, E., Hollowed, J., Benson, A.J., Heitmann, K., Mao, Y.-Y., Bahmanyar, A., Chang, C., Campbell, D., Derose, J., Finkel, H., Frontiere, N., **Gawiser, E.**, Habib, S., Joachimi, B., Lanusse, F., Li, N., Mandelbaum, R., Morrison, C., Newman, J.A., Pope, A., Rykoff, E., Simet, M., To, C.-H., Vikraman, V., Wechsler, R.H. & White, M.

The Astrophysical Journal Supplements 245, 26 (2019) [23 pages]

125. “Learning the Relationship between Galaxy Spectra and Star Formation Histories using Convolutional Neural Networks and Cosmological Simulations”

Lovell, C.C., Acquaviva, V., Thomas, P.A., Iyer, K.G., **Gawiser, E.** & Wilkins, S.M.

Monthly Notices of the Royal Astronomical Society 490, 5503 (2019) [18 pages]

124. “The CANDELS/SHARDS Multi-wavelength Catalog in GOODS-N: Photometry, Photometric Redshifts, Stellar Masses, Emission Line Fluxes and Star Formation Rates”

Barro, G., Perez-Gonzalez, P.G., Cava, A., Brammer, G., Pandya, V., Eliche Moral, C., Esquej, P., Dominguez-Sanchez, H., Alcalde Pampiega, B., Guo, Y., Koekemoer, A.M., Trump, J.R., Ashby, M.L.N., Cardiel, N., Catellano, M., Conselice, C.J., Dickinson, M.E., Donley, J.L., Espino Briones, N., Faber, S.M., Fazio, G.G., Ferguson, H., Finkelstein, S., Fontana, A., Galametz, A., Gardner, J.P., **Gawiser, E.**, Giavalisco, M., Grazian, A., Grogin, N.A., Hathi, N.P., Hemmati, S., Hernan-Caballero, A., Kocevski, D., Koo, D.C., Kodra, D., Lee, S.-S., Lin, L., Lucas, R.A., Mobasher, B., McGrath, E.J., Nandra, K., Nayyeri, H., Newman, J.A., Pforr, J., Peth, M., Rafelski, M., Rodriguez-Munoz, L., Salvato, M., Stefanon, M., van der Wel, A., Willner, S.P., Wiklind, T., & Wuyts, S.

Astrophysical Journal Supplements 243, 22 (2019) [41 pages]

123. “LSST: from Science Drivers to Reference Design and Anticipated Data Products”

Ivezic, Z. et al.; 314 authors including **Gawiser, E.**

Astrophysical Journal 873, 111 (2019) [44 pages]

122. “The Simons Observatory: Science goals and forecasts”

The Simons Observatory Collaboration (250 authors including **Gawiser, E.**)

Journal of Cosmology and Astroparticle Physics 02, 056 (2019)

121. “The Spitzer-HETDEX Exploratory Large Area Survey II: Dark Energy Camera and Spitzer/IRAC Multi-wavelength Catalog”

Wold, I.G.B., Kawinwanichakij, L., Stevans, M.L., Finkelstein, S.L., Papovich, C., Devarakonda, Y., Ciardullo, R., Feldmeier, J., Florez, J., **Gawiser, E.**, Gronwall, C., Jogee, S., Marshall, J.L., Sherman, S., Shipley, H.V., Somerville, R.S., Valdes, F. & Zeimann, G.R.

Astrophysical Journal 240, 5 (2019) [21 pages]

120. “The SFR-M_{} Correlation Extends to Low Mass at High Redshift”

Iyer, K., **Gawiser, E.**, Davé, R., Davis, P., Finkelstein, S.L., Kodra, D., Koekemoer, A., Kurczynski, P., Newman, J.A., Pacifici, C. & Somerville, R.

Astrophysical Journal 866, 120 (2018) [22 pages]

119. “Demographics of Star-forming Galaxies Since $z \sim 2.5$. I. The UVJ Diagram in CANDELS”

Fang, J.J., Faber, S.M., Koo D.C., Barro, G., Behroozi, P., Brammer, G., Dekel, A., Ferguson, H.C., **Gawiser, E.**, Giavalisco, M., Guo, Y., Kartaltepe, J., Kocevski, D.D., Koekemoer, A.M., McGrath, E.J., McIntosh, D., Newman, J.A., Pacifici, C., Pandya, V., Perez-Gonzalez, P.G., Primack, J.R., Salmon, B., Trump, J.R., Weiner, B., Willner, S.P., Acquaviva, V., Dahlen, T., Finkelstein, S.L., Finlator, K., Fontana, A., Galametz, A., Grogin, N.A., Gruetzbauch, R., Johnson, S., Mobasher, B., Papovich, C.J., Pforr, J., Savato, M., Santini, P., van der Wel, A., Wiklind, T. & Wuyts, S.

Astrophysical Journal 858, 100 (2018) [29 pages]

*118. “Reconstruction of Galaxy Star Formation Histories through SED Fitting: The Dense Basis Approach”

Iyer, K.G. & Gawiser, E.

Astrophysical Journal 838, 127 (2017) [24 pages]

*117. “Bayesian Redshift Classification of Emission-line Galaxies with Photometric Equivalent Widths”

Leung, A.S., Acquaviva, V., **Gawiser, E.**, Ciardullo, R., Komatsu, E., Zeimann, G.R., Bridge, J.S., Feldmeier, J.J., Finkelstein, S.L., Gebhardt, K., Gronwall, C., Hagen, A., Hill, G.J. & Schneider, D.P.

Astrophysical Journal 843, 130 (2017) [15 pages]

116. “An ALMA Survey of Sub-millimetre Galaxies in the Extended Chandra Deep Field South: Spectroscopic Redshifts”

Danielson, A.L.R., Swinbank, A.M., Smail, I., Simpson, J.M., Casey, C.M., Chapman, S.C., Da Cunha, E., Hodge, J.A., Walter, F., Wardlow, J.L., Alexander, D.M., Brandt, W.N., de Breuck, C., Coppin, K.E.K., Dannerbauer, H., Dickinson, M., Edge, A.C., **Gawiser, E.**, Ivison, R.J., Karim, A., Kovacs, A., Lutz, D., Menten, K., Schinnerer, E., Weiss, A. & van der Werf, P.

Astrophysical Journal 840, 78 (2017) [22 pages]

115. “CANDELS Multi-wavelength Catalogs: Source Identification and Photometry in the CANDELS Extended Groth Strip”

Stefanon, M., Yan, H., Mobasher, B., Barro, G., Donley, J.L., Fontana, A., Hemmati, S., Koekemoer, A.M., Lee, B., Lee, S.-K., Nayyeri, H., Peth, M., Pforr, J., Salvato, M., Wiklind, T., Wuyts, S., Ashby, M.L.N., Castellano, M., Conselice, C.J., Cooper, M.C., Cooray, A.R., Dolch, T., Ferguson, H., Galametz, A., Giavalisco, M., Guo, Y., Willner, S.P., Dickinson, M.E., Faber, S.M., Fazio, G.G., Gardner, J.P., **Gawiser, E.**, Grazian, A., Grogin, N.A., Kocevski, D., Koo, D.C., Lee, K.-S., Lucas, R.A., McGrath, E.J., Nandra, K., Newman, J.A. & van der Wel, A.

Astrophysical Journal Supplements 229, 32 (2017) [31 pages]

114. “Physical Properties of Sub-galactic Clumps at $0.5 < z < 1.5$ in the UVUDF”

Soto, E., De Mello, D.F., Rafelski, M., Gardner, J.P., Teplitz, H.I., Koekemoer, A.M., Ravindranath, S., Grogin, N.A., Scarlata, C., Kurczynski, P. & **Gawiser, E.**

Astrophysical Journal 837, 6 (2017) [15 pages]

*113. “Testing LSST Dither Strategies for Survey Uniformity and Large-Scale Structure Systematics”

Awan, H., **Gawiser, E.**, Kurczynski, P., Jones, R.L., Zhan, H., Padilla, N., Muñoz Arancibia, A.M., Orsi, A. & Yoachim, P.

Astrophysical Journal 829, 50 (2016) [16 pages]

- *112. “Evolution of Intrinsic Scatter in the SFR-Stellar Mass Correlation at $0.5 < z < 3$ ”
 Kurczynski, P., **Gawiser, E.**, Acquaviva, V., Bell, E.F., Dekel, A., De Mello, D.F., Ferguson, H.C., Gardner, J.P., Hopkins, P.F., Guo, Y., Koekemoer, A.M., Koo, D.C., Lee, S.-K., Mobasher, B., Primack, J.R., Rafelski, M., Soto, E. & Teplitz, H.I.
Astrophysical Journal Letters 820, L1 (2016) [6 pages]
 Erratum: *Astrophysical Journal Letters* 864, L42 (2018) [2 pages]
111. “Properties of Damped Ly α Absorption Systems and Star-Forming Galaxies in Semi-Analytic Models at $z = 2$ ”
 Berry, M., Somerville, R.S., **Gawiser, E.**, Maller, A., Popping, G. & Trager, S.C.
Monthly Notices of the Royal Astronomical Society 458, 531-557 (2016)
110. “The Evolution of Star Formation Histories of Quiescent Galaxies”
 Pacifici, C., Kassin, S.A., Weiner, B.J., Holden, B., Gardner, J.P., Faber, S., Ferguson, H.C., Koo, D.C., Primack, J.P., Bell, E.F., Dekel, A., **Gawiser, E.**, Giavalisco, M., Rafelski, M., Simons, R.C., Barro, G., Croton, D.J., Dave, R., Fontana, A., Grogin, N.A., Koekemoer, A.M., Lee, S.-K., Salmon, B. & Somerville, R.
Astrophysical Journal 832, 79 (2016) [15 pages]
109. “The Bursty Star Formation Histories of Low-mass Galaxies at $0.4 < z < 1$ Revealed by Star Formation Rates Measured from FUV and H β ”
 Guo, Y., Rafelski, M., Faber, S.M., Koo, D.C., Krumholz, M.R., Trump, J.R., Willner, S.P., Amorin, R., Barro, G., Bell, E.F., Gardner, J.P., **Gawiser, E.**, Hathi, N.P., Koekemoer, A.M., Pacifici, C., Perez-Gonzalez, P.G., Ravindranath, S., Reddy, N., Teplitz, H.I. & Yesuf, H.
Astrophysical Journal 833, 37 (2016) [13 pages]
108. “Spatially Resolved Spectroscopy of Sub-mm Galaxies at $z \simeq 2$ ”
 Olivares, V., Treister, E., Privon, G.C., Alaghband-Zadeh, S., Casey, C.M., Schawinski, K., Kurczynski, P., **Gawiser, E.**, Chapman, S., Bauer, F.E., Nagar, N. & Sanders, D.
Astrophysical Journal 827, 57 (2016) [14 pages]
107. “Limits on LyC signal from $z \sim 3$ sources with secure redshift and HST coverage in the E-CDFS field”
 Guaita, L., Pentericci, L., Grazian, A., Vanzella, E., Nonino, M., Giavalisco, M., Zamorani, G., Bongiorno, A., Cassata, P., Castellano, M., Garilli, B., **Gawiser, E.**, Le Brun, V., Le Fevre, O., Lemaux, B., Maccagni, D., Merlin, E., Santini, P., Tasca, L.A.M., Thomas, R., Zucca, E., De Barros, S., Hathi, N.P., Amorin, R., Bardelli, S. & Fontana, A.
Astronomy & Astrophysics 587, 133 (2016) [19 pages]
106. “The Spitzer-HETDEX Exploratory Large-Area Survey”
 Papovich, C., Shipley, H.V., Mehrtens, N., Lanham, C., Lacy, M., Finkelstein, S.L., Bassett, R., Behroozi, P., Blanc, G., Ciardullo, R., De Jong, R., DePoy, D., Drory, N., **Gawiser, E.**, Gebhardt, K., Gronwall, C., Hill, G., Hopp, U., Jogee, S., Kawinwanichakij, L., Marshall, J., McLinden, E., Mentuch Dooper, E., Somerville, R., Steinmetz, M., Tran, K.-V., Tuttle, S., Viero, M., Wechsler, R. & Zeimann, G.
Astrophysical Journal Supplements 224, 28 (2016) [30 pages]
105. “HST Emission Line Galaxies at $z \sim 2$: Comparing Physical Properties of Lyman Alpha and Optical Emission Line Selected Galaxies”

- Hagen, A., Zeimann, G.R., Behrens, C., Ciardullo, R., Grasshorn Gebhardt, H.S., Gronwall, C., Bridge, J.S., Fox, D.B., Schneider, D.P., Trump, J.R., Blanc, G.A., Chiang, Y.-K., Chonis, T.S., Finkelstein, S.L., Hill, G.J., Jogee, S. & **Gawiser, E.**
Astrophysical Journal 817, 79 (2016) [17 pages]
- *104. “Properties of Submillimeter Galaxies in a Semi-analytic Model using the ‘Count Matching’ Approach: Application to the ECDF-S”
 Muñoz Arancibia, A. M., Navarrete, F.P., Padilla, N.D., Cora, S.A., **Gawiser, E.**, Kurczynski, P.L. & Ruiz, A.N.
Monthly Notices of the Royal Astronomical Society 446, 2291-2311 (2015)
103. “Simultaneous Estimation of Photometric Redshifts and SED Parameters: Improved Techniques and a Realistic Error Budget”
 Acquaviva, V., Raichoor, A., & **Gawiser, E.**
Astrophysical Journal 804, 8 (2015) [11 pages]
102. “The Dust Attenuation Curve Versus Stellar Mass for Emission Line Galaxies at $z \sim 2$ ”
 Zeimann, G.R., Ciardullo, R., Gronwall, C., Bridge, J., Brooks, H., Fox, D., **Gawiser, E.**, Gebhardt, H., Hagen, A., Schneider, D.P. & Trump, J.R.
Astrophysical Journal 814, 162 (2015) [9 pages]
101. “UVUDF: Ultraviolet Through Near-Infrared Catalog and Photometric Redshifts of Galaxies in the Hubble Ultra Deep Field”
 Rafelski, M., Teplitz, H.I., Gardner, J.P., Coe, D., Bond, N.A., Koekemoer, A.M., Grogin, N., Kurczynski, P., McGrath, E.J., Bourque, M., Atek, H., Brown, T.M., Colbert, J.W., Codoreanu, A., Ferguson, H.C., Finkelstein, S.L., **Gawiser, E.**, Giavalisco, M., Gronwall, C., Hanish, D.J., Lee, K.-S., Mehta, V., De Mello, D.F., Ravindranath, S., Ryan, R.E., Scarlata, C., Siana, B., Soto, E. & Voyer, E.N.
Astronomical Journal 150, 31 (2015) [25 pages]
100. “A Critical Assessment of Stellar Mass Measurement Methods”
 Mobasher, B., Dahlen, T., Ferguson, H.C., Acquaviva, V., Barro, G., Finkelstein, S.L., Fontana, A., Gruetzbauch, R., Johnson, S., Lu, Y., Papovich, C.J., Pforr, J., Salvato, M., Somerville, R.S., Wiklind, T., Wuyts, S., Bell, E.F., Conselice, C.J., Dickinson, M.E., Faber, S.M., Finlator, K., Galametz, A., **Gawiser, E.**, Giavalisco, M., Grazian, A., Grogin, N.A., Guo, Y., Hathi, N., Kocevski, D., Koekemoer, A., Koo, D.C., Newman, J.A., Reddy, N., Santini, P. & Wechsler, R.H.
Astrophysical Journal 808, 101 (2015) [28 pages]
99. “Spectroscopic needs for imaging dark energy experiments”
 Newman, J.A., Abate, A., Abdalla, F.B., Allam, S., Allen, S.W., Ansari, R., Bailey, S., Barkhouse, W.A., Beers, T.C., Blanton, M.R., Brodwin, M., Brownstein, J.R., Brunner, R.J., Carrasco Kind, M., Cervantes-Cota, J.L., Cheu, E., Chisari, N.E., Colless, M., Comparat, J., Coupon, J., Cunha, C.E., de la Macorra, A., Dell’Antonio, I.P., Brye, B.L., **Gawiser, E.**, Gehrels, N., Grady, K., Hagen, A., Hall, P.B., Hearin, A.P., Hildebrandt, H., Hirata, C.M., Ho, S., Honscheid, K., Huterer, D., Ivezić, Z., Kneib, J.-P., Kruk, J.W., Lahav, O., Mandelbaum, R., Marshall, J.L., Matthews, D.J., Menard, B., Miquel, R., Moniez, M., Moos, H.W., Moustakas, J., Myers, A.D., Papovich, C., Peacock, J.A., Park, C., Rahman, M., Rhodes, J., Ricol, J.-S., Sadeh, I., Slozer, A., Schmidt, S.J., Stern, D.K., Tyson, J.A., von der Linden, A., Wechsler, R.H., Wood-Vasey, W.M. & Zentner, A.R.

Astroparticle Physics 68, 81-100 (2015)

98. “ZFOURGE/CANDELS: On the Evolution of M* Galaxy Progenitors from $z = 3$ to 0.5”

Papovich, C., Labbé, I., Quadri, R., Tilvi, V., Bell, E.F., Glazebrook, K., Spitler, L., Straatman, C.M.S., Tran, K.-V., Behroozi, P., Cowley, M., Davé, R., Dekel, A., Dickinson, M., Ferguson, H.C., Finkelstein, S.L., **Gawiser, E.**, Inami, H., Kacprzak, G.G., Kawinwanichakij, L., Koxevski, D., Koekemoer, A., Koo, D., Kurczynski, P., Lotz, J.M., Lu, YI, Lucas, R.A., McIntosh, D., Merhtens, N., Mobasher, B., Monson, A., Morrison, G., Nanayakkara, T., Persson, S.E., Salmon, B., Simons, R., Tomczak, A., van Dokkum, P., Weiner, B. & Willner, S.P.

Astrophysical Journal 803, 26 (2015) [24 pages]

*97. “The UV Continuum of $z > 1$ Star-forming Galaxies in the Hubble Ultraviolet Ultra Deep Field”

Kurczynski, P., **Gawiser, E.**, Rafelski, M., Teplitz, H.I., Acquaviva, V., Brown, T.M., Coe, D., De Mello, D.F., Grogin, N.A., Finkelstein, S.L., Koekemoer, A., Lee, K.-S., Siana, B. & Scarlata, C.

Astrophysical Journal Letters 793, 5 (2014) [6 pages]

*96. “To Stack or Not to Stack: Spectral Energy Distribution Properties of Ly α -Emitting Galaxies at $z = 2.1$ ”

Vargas, C.J., Bish, H., Acquaviva, V., **Gawiser, E.**, Finkelstein, S.L., Ciardullo, R., Ashby, M.L.N., Feldmeier, J., Ferguson, H., Gronwall, C., Guaita, L., Hagen, A., Koekemoer, A., Kurczynski, P., Newman, J.A. & Padilla, N.

Astrophysical Journal 783, 26 (2014) [11 pages]

*95. “Damped Ly α Absorption Systems in Semi-Analytic Models with Multiphase Gas”

Berry, M.J., Somerville, R.A., Haas, M., **Gawiser, E.**, Moller, A., Popping, G. & Trager, S.C.

Monthly Notices of the Royal Astronomical Society 441, 939-963 (2014)

94. “3D-HST Emission Line Galaxies at $z \sim 2$: The Ly α Escape Fraction”

Ciardullo, R., Zeimann, G.R., Gronwall, C., Gebhardt, H., Schneider, D.P., Hagen, A., Malz, A.I., Blanc, G.A., Hill, G.J., Drory, N. & **Gawiser, E.**

Astrophysical Journal 796, 64 (2014) [11 pages]

93. “The HETDEX Pilot Survey V: The Physical Origin of Lyman-Alpha Emitters Probed by Near-infrared Spectroscopy”

Song, M., Finkelstein, S.L., Gebhardt, K., Hill, G.J., Drory, N., Ashby, M.L.N., Blanc, G., Bridge, J., Chiang, C.-T., Chonis, T., Ciardullo, R., Fabricius, M., Fazio, G.G., **Gawiser, E.**, Gronwall, C., Hagen, A., Huang, J.-S., Jogee, S., Livermore, R., Salmon, B., Schneider, D.P., Willner, S.P. & Zeimann, G.R.

Astrophysical Journal 791, 3 (2014) [24 pages]

92. “The Rest-frame Ultraviolet Structure of $0.5 < z < 1.5$ Galaxies”

Bond, N.A., Gardner, J.P., De Mello, D.F., Teplitz, H.I., Rafelski, M., Koekemoer, A.M., Coe, D., Grogin, N., **Gawiser, E.**, Ravindranath, S. & Scarlata, C.

Astrophysical Journal 791, 18 (2014) [10 pages]

91. “Spectral Energy Distribution Fitting of HETDEX Pilot Survey Ly α Emitters in COSMOS and GOODS-N”

Hagen, A., Ciardullo, R., Gronwall, C., Acquaviva, A., Bridge, J., Zeimann, G.R., Blanc, G.A., Bond, N.A., Finkelstein, S.L., Song, M., **Gawiser, E.**, Fox, D.B., Gebhardt, H., Malz, A.I., Schneider, D.P., Drory, N., Gebhardt, K., & Hill, G.J.

Astrophysical Journal 786, 59 (2014) [13 pages]

90. “Constraining the Lyman Alpha Escape Fraction with Far-infrared Observations of Lyman Alpha Emitters”

Wardlow, J.L., Malhotra, S., Zheng, Z., Finkelstein, S., Bock, J., Bridge, C., Calanog, J., Ciardullo, R., Conley, A., Cooray, A., Farrah, D., **Gawiser, E.**, Gronwall, C., Heinis, S., Ibar, E., Ivison, R.J., Marsden, G., Oliver, S.J., Rhoads, J., Riechers, D., Schulz, B., Smith, A.J., Viero, M., Wang, L. & Zemcov, M.

Astrophysical Journal 787, 9 (2014) [9 pages]

89. “Magellan/MMIRS Near-Infrared Multi-object Spectroscopy of Nebular Emission from Star Forming Galaxies at $2 < z < 3$ ”

Guaita, L., Francke, H., **Gawiser, E.**, Bauer, F., Hayes, M., Ostlin, G. & Padilla, N.

Astronomy & Astrophysics 551, 93 (2013) [21 pages]

88. “Searching for Neutral Hydrogen Halos around $z \sim 2.1$ and $z \sim 3.1$ Ly α Emitting Galaxies”

Feldmeier, J.J., Hagen, A., Ciardullo, R., Gronwall, C., **Gawiser, E.**, Guaita, L., Hagen, L.M.Z., Bond, N.A., Acquaviva, V., Blanc, G.A., Orsi, A. & Kurczynski, P.

Astrophysical Journal 776, 75 (2013) [15 pages]

87. “UVUDF: Ultraviolet Imaging of the Hubble Ultradeep Field with Wide-field Camera 3”

Teplitz, H.I., Rafelski, M., Kurczynski, P., Bond, N.A., Grogin, N., Koekemoer, A.M., Atek, H., Brown, T.M., Coe, D., Colbert, J.W., Ferguson, H.C., Finkelstein, S., Gardner, J.P., **Gawiser, E.**, Giavalisco, M., Gronwall, C., Hanish, D.J., Lee, K.-S., de Mello, D.F., Ravindranath, S., Ryan, R.E., Siana, B.D., Scarlata, C., Soto, E., Voyer, E.N. & Wolfe, A.M.

Astronomical Journal 146, 159 (2013) [19 pages]

86. “A Critical Assessment of Photometric Redshift Methods: A CANDELS Investigation”

Dahlen, T., Mobasher, B., Faber, S.M., Ferguson, H.C., Barro, G., Finkelstein, S.L., Finlator, K., Fontana, A., Greutzbauch, R., Johnson, S., Pforr, J., Salvato, M., Wiklind, T., Wuyts, S., Acquaviva, V., Dickinson, M.E., Guo, Y., Huang, J., Huang, K.-H., Newman, J.A., Bell, E., Conselice, C.J., Galametz, A., **Gawiser, E.**, Giavalisco, M., Grogin, N.A., Hathi, N., Kocevski, D., Koekemoer, A., Koo, D., Lee, K.-S., McGrath, E.J., Papovich, C., Peth, M., Ryan, R., Somerville, R., Weiner, B. & Wilson, G.

Astrophysical Journal 775, 93 (2013) [19 pages]

85. “CANDELS Multi-wavelength Catalogs: Source Detection and Photometry in the GOODS-South Field”

Guo, Y., Ferguson, H.C., Giavalisco, M., Barro, G., Willner, S.P., Ashby, M.L.N., Dahlen, T., Donley, J.L., Faber, S.M., Fontana, A., Galametz, A., Grazian, A., Huang, K.-H., Kocevski, D.D., Koekemoer, A.M., Koo, D.C., McGrath, E.J., Peth, M., Salvato, M., Wuyts, S., Catellano, M., Cooray, A.R., Dickinson, M.E., Dunlop, J.S., Fazio, G.G., Gardner, J.P., **Gawiser, E.**, Grogin, N.A., Hathi, N.P., Hsu, L.-T., Lee, K.-S., Lucas, R., Mobasher, B., Newman, J.A. & van der Wel, A.

Astrophysical Journal Supplements 207, 24 (2013) [23 pages]

- *84. “The Curious Case of Lyman Alpha Emitters: Growing Younger from $z \sim 3$ to $z \sim 2$?”

Acquaviva, V., Vargas, C.J., **Gawiser, E.** & Guaita, L.

Astrophysical Journal Letters 751, L26 (2012) [5 pages]

- *83. “Present-Day Descendants of $z = 3$ Ly α -Emitting Galaxies in the Millennium-II Halo Merger Trees”
Walker Soler, J., **Gawiser, E.**, Bond, N.A., Padilla, N. & Francke, H.
Astrophysical Journal 752, 160 (2012) [12 pages]
- *82. “Panchromatic Estimation of Star Formation Rates in BzK Galaxies at $1 < z < 3$ ”
Kurczynski, P., **Gawiser, E.**, Huynh, M., Ivison, R., Treister, E., Smail, I., Blanc, G.A., Cardamone, C., Greve, T., Schinnerer, E., Urry, M., van der Werf, P. & Walter, F.
Astrophysical Journal 750, 117 (2012) [15 pages]
- *81. “Survey design for Spectral Energy Distribution fitting: a Fisher Matrix approach”
Acquaviva, V., **Gawiser, E.**, Bickerton, S.J., Lee, S-K., Grogin, N. & Guo, Y.
Astrophysical Journal 749, 72 (2012) [14 pages]
- *80. “Stacked Rest-Frame UV Spectra of Ly α - Emitting and Continuum-Selected Galaxies at $2 < z < 3.5$ ”
Berry, M.J., **Gawiser, E.**, Guaita, L., Padilla, N., Treister, E., Blanc, G., Ciardullo, R., Francke, H. & Gronwall, C.
Astrophysical Journal 749, 4 (2012) [20 pages]
- *79. “Evolution in the Continuum Morphological Properties of Ly α -Emitting Galaxies from $z = 3.1$ to $z = 2.1$ ”
Bond, N.A., **Gawiser, E.**, Guaita, L., Padilla, N., Gronwall, C., Ciardullo, R., & Lai, K.
Astrophysical Journal 753, 95 (2012) [16 pages]
78. “The Evolution of Ly α Emitting Galaxies Between $z = 2.1$ and $z = 3.1$ ”
Ciardullo, R., Gronwall, C., Wolf, C., McCathran, E., Bond, N.A., **Gawiser, E.**, Guaita, L., Feldmeier, J.J., Treister, E., Padilla, N., Francke, H., Matkovic, A., Altmann, M. & Herrera, D.
Astrophysical Journal 744, 110 (2012) [11 pages]
77. “X-ray Constraints on the Ly α Escape Fraction”
Zheng, Z.-Y., Malhotra, S., Wang, J.-X., Rhoads, J.E., Finkelstein, S.L., **Gawiser, E.**, Gronwall, C., Guaita, L., Nilsson, K.K. & Ciardullo, R.
Astrophysical Journal 746, 28 (2012) [8 pages]
76. “The LABOCA Survey of the Extended Chandra Deep Field South: Clustering of submillimetre galaxies”
Hickox, R.C., Wardlow, J.L., Smail, I., Myers, A.D., Alexander, D.M., Swinbank, A.M., Danielson, A.L.R., Stott, J.P, Chapman, S.C., Coppin, K.E.K., Dunlop, J.S., **Gawiser, E.**, Lutz, D., van der Werf, P., & Weiss, A.
Monthly Notices of the Royal Astronomical Society 421, 284 (2012) [12 pages]
- *75. “SED Fitting with Markov Chain Monte Carlo: Methodology and Application to $z = 3.1$ Ly α -Emitting Galaxies”
Acquaviva, V., **Gawiser, E.** & Guaita, L.
Astrophysical Journal 737, 47 (2011) [17 pages]
- *74. “Ly α Emitting Galaxies at $z = 2.1$: Stellar Masses, Dust and Star Formation Histories from Spectral Energy Distribution Fitting ”

- Guaita, L., Acquaviva, V., Padilla, N., **Gawiser, E.**, Bond, N.A., Ciardullo, R., Treister, E., Kurczynski, P., Gronwall, C., Lira, P. & Schawinski, K.
Astrophysical Journal 733, 114 (2011) [25 pages]
- *73. “Differential Morphology Between Rest-frame Optical and UV Emission from $1.5 < z < 3$ Star-forming Galaxies”
 Bond, N.A., **Gawiser, E.**, & Koekemoer, A.
Astrophysical Journal 729, 48 (2011) [11 pages]
72. “The Veiled and Self-Regulated Growth of the First Black Holes at $z > 6$ ”
 Treister, E., Schawinski, K., Volonteri, M., Natarajan, P. & **Gawiser, E.**
Nature 474, 356-358 (2011)
71. “The Light Profile Shapes of the Rest-frame Ultraviolet Components of Ly α -Emitting Galaxies at $z = 3.1$ ”
 Gronwall, C., Bond, N.A., Ciardullo, R., **Gawiser, E.**, Altmann, M., Feldmeier, J.J. & Blanc, G.A.
Astrophysical Journal 743, 9 (2011) [11 pages]
70. “The Evolution of Early-type Galaxies Selected by Their Spatial Clustering”
 Padilla, N.D., Christlein, D., **Gawiser, E.** & Marchesini, D.
Astronomy & Astrophysics 531, A142 (2011) [10 pages]
69. “CANDELS: The Cosmic Assembly Near-infrared Deep Extragalactic Legacy Survey”
 Grogin, N.A., Kocevski, D.D., Faber, S.M., Ferguson, H.C., Koekemoer, A.M., Riess, A.G., Acquaviva, V., Alexander, D.M., Almaini, O., Ashby, M.L.N., Barden, M., Bell, E.F., Bournaud, F., Brown, T.M., Caputi, K.I., Casertano, S., Cassata, P., Challis, P., Chary, R.-R., Cheung, E., Cirasuolo, M., Conselice, C.J., Cooray, A.R., Croton, D.J., Daddi, E., Dahlen, T., Dav, R., de Mello, D.F., Dekel, A., Dickinson, M., Dolch, T., Donley, J.L., Dunlop, J.S., Dutton, A.A., Elbaz, D., Fazio, G.G., Filippenko, A.V., Finkelstein, S.L., Fontana, A., Gardner, J.P., Garnavich, P.M., **Gawiser, E.**, Giavalisco, M., Grazian, A., Guo, Y., Hathi, N.P., Hussler, B., Hopkins, P.F., Huang, J.-S., Huang, K.-H., Jha, S., Kartaltepe, J.S., Kirshner, R.P., Koo, D.C., Lai, K., Lee, K.-S., Li, W., Lotz, J.M., Lucas, R.A., Madau, P., McCarthy, P.J., McGrath, E.J., McIntosh, D.H., McLure, R.J., Mobasher, B., Moustakas, L.A., Mozena, M., Nandra, K., Newman, J.A., Niemi, S.-M., Noeske, K.G., Papovich, C.J., Pentericci, L., Pope, A., Primack, J.R., Rajan, A., Ravindranath, S., Reddy, N.A., Renzini, A., Rix, H.-W., Robaina, A.R., Rodney, S.A., Rosario, D.J., Rosati, P., Salimbeni, S., Scarlata, C., Siana, B., Simard, L., Smidt, J., Somerville, R.S., Spinrad, H., Straughn, A.N., Strolger, L.-G., Telford, O., Teplitz, H.I., Trump, J.R., van der Wel, A., Villforth, C., Wechsler, R.H., Weiner, B.J., Wiklind, T., Wild, V., Wilson, G., Wuyts, S., Yan, H.-J., & Yun, M. S.
Astrophysical Journal Supplements 197, 35 (2011) [48 pages]
68. “CANDELS: The Cosmic Assembly Near-infrared Deep Extragalactic Legacy Survey - The Hubble Space Telescope Observations, Imaging Data Products and Mosaics”
 Koekemoer, A. M., Faber, S.M., Ferguson, H.C., Grogin, N.A., Kocevski, D.D., Koo, D.C., Lai, K., Lotz, J.M., Lucas, R.A., McGrath, E.J., Ogaz, S., Rajan, A., Riess, A.G., Rodney, S.A., Strolger, L., Casertano, S., Dahlen, T., Dickinson, M., Dolch, T., Fontana, A., Giavalisco, M., Grazian, A., Guo, Y., Hathi, N.P., Huang, K.-H., van der Wel, A., Yan, H.-J., Acquaviva, V., Alexander, D.M., Almaini, O., Ashby, M.L.N., Barden, M., Bell, E.F., Bournaud, F., Brown, T.M., Caputi, K.I., Cassata, P., Challis, P., Chary, R.-R., Cheung, E., Cirasuolo, M., Conselice, C.J., Cooray, A.R., Croton, D.J., Daddi, E., Dav, R., de Mello, D.F., de Ravel, L., Dekel, A., Donley, J.L., Dunlop,

J.S., Dutton, A.A., Elbaz, D., Fazio, G.G., Filippenko, A.V., Finkelstein, S.L., Frazer, C., Gardner, J.P., Garnavich, P.M., **Gawiser, E.**, Gruetzbauch, R., Hartley, W.G., Hussler, B., Herrington, J., Hopkins, P.F., Huang, J.-S., Jha, S., Johnson, A., Kartaltepe, J.S., Khostovan, A.A., Kirshner, R.P., Lani, C., Lee, K.-S., Li, W., Madau, P., McCarthy, P.J., McIntosh, D.H., McLure, R.J., McPartland, C., Mobasher, B., Moreira, H., Mortlock, A., Moustakas, L.A., Mozena, M., Nandra, K., Newman, J.A., Nielsen, J.L., Niemi, S., Noeske, K.G., Papovich, C.J., Pentericci, L., Pope, A., Primack, J.R., Ravindranath, S., Reddy, N.A., Renzini, A., Rix, H.-W., Robaina, A.R., Rosario, D.J., Rosati, P., Salimbeni, S., Scarlata, C., Siana, B., Simard, L., Smidt, J., Snyder, D., Somerville, R.S., Spinrad, H., Straughn, A.N., Telford, O., Teplitz, H.I., Trump, J.R., Vargas, C., Villforth, C., Wagner, C.R., Wandro, P., Wechsler, R.H., Weiner, B.J., Wiklind, T., Wild, V., Wilson, G., Wuyts, S., & Yun, M. S.

Astrophysical Journal Supplements 197, 36 (2011) [36 pages]

67. “The HETDEX Pilot Survey. II. The Evolution of the Ly α Escape Fraction from the UV Slope and Luminosity Function of $1.9 < z < 3.8$ LAEs”

Blanc, G.A., Adams, J., Gebhardt, K., Hill, G.J., Drory, N., Hao, L., Bender, R., Ciardullo, R., Finkelstein, S.L., Fry, A.B., **Gawiser, E.**, Gronwall, C., Hopp, U., Jeong, D., Kelzenberg, R., Komatsu, E., MacQueen, P., Murphy, J., Roth, M., Schneider, D. & Tufts, J.

Astrophysical Journal 736, 31 (2011) [56 pages]

66. “The LABOCA survey of the Extended Chandra Deep Field South: A photometric redshift survey of submillimetre galaxies ”

Wardlow, J.L., Smail, I., Coppin, K.E.K., Alexander, D.M., Brandt, W.N., Danielson, A.L.R., Luo, B., Swinbank, A.M., Walter, F., Weiss, A., Xue, Y.Q., Zibetti, S., Bertoldi, F., Biggs, A.D., Chapman, S.C., Dannerbauer, H., Dunlop, J.S., **Gawiser, E.**, Ivison, R. J., Knudsen, K.K., Kovacs, A., Lacey, C.G., Menten, K.M., Padilla, N., Rix, H.-W., & van der Werf, P.

Monthly Notices of the Royal Astronomical Society 415, 1479 (2011) [30 pages]

65. “The HETDEX Pilot Survey III. The Low Metallicities of High-redshift Lyman Alpha Galaxies”

Finkelstein, S., Hill, G.J., Gebhardt, K., Adams, J., Blanc, G.A., Papovich, C., Ciardullo, R., Drory, N., **Gawiser, E.**, Gronwall, C., Schneider, D. & Tran, K.-V.

Astrophysical Journal 729, 140 (2011) [15 pages]

64. “The HETDEX Pilot Survey. I. Survey Design, Performance, and Catalog of Emission-line Galaxies”

Adams, J., Blanc, G.A., Hill, G.J., Gebhardt, K., Drory, N., Hao, L., Bender, R., Byun, J., Ciardullo, R., Cornell, M., Finkelstein, S., Fry, A., **Gawiser, E.**, Gronwall, C., Hopp, U., Jeong, D., Kelz, A., Kelzenberg, R., Komatsu, E., MacQueen, P., Murphy, J., Odoms, P., Roth, M., Schneider, D., Tufts, J. & Wilkinson, C.

Astrophysical Journal Supplements 192, 5 (2011) [45 pages]

63. “The SIMPLE Survey: Observations, Reduction, and Catalog”

Damen, M., Labbe, I., van Dokkum, P.G., Franx, M., Taylor, E.N., Brandt, W.N., Dickinson, M., **Gawiser, E.**, Illingworth, G.D., Kriek, M., Marchesini, D., Muzzin, A., Papovich, C. & Rix, H.-W.

Astrophysical Journal 727, 1 (2011) [24 pages]

*62. “How to Falsify the GR+ Λ CDM Model with Galaxy Redshift Surveys”

Acquaviva, V. & **Gawiser, E.**

Physical Review D 82, 082001 (2010) [6 pages]

- *61. “Lyman-Alpha-Emitting Galaxies at $z = 2.1$ in ECDF-S: Building Blocks of Typical Present-day Galaxies?”
 Guaita, L., **Gawiser, E.**, Padilla, N., Francke, H., Bond, N.A., Gronwall, C., Ciardullo, R., Feldmeier, J.J., Sinawa, S., Blanc, G.A. & Virani, S.
Astrophysical Journal 714, 255-269 (2010)
- *60. “A Simultaneous Stacking and Deblending Algorithm for Astronomical Images”
 Kurczynski, P. & **Gawiser, E.**
Astronomical Journal 139, 1592-1599 (2010)
- *59. “Evidence for Spatially Compact Ly α Emission in $z = 3.1$ Ly α -Emitting Galaxies”
 Bond, N.A., Feldmeier, J.J., Matkovic, A., Gronwall, C., Ciardullo, R. & **Gawiser, E.**
Astrophysical Journal Letters 716, L200-L204 (2010)
58. “MIPS 24 μm Observations of the Hubble Deep Field South: Probing the IR-Radio Correlation of Galaxies at $z > 1$ ”
 Huynh, M.T., **Gawiser, E.**, Marchesini, D., Brammer, G. & Guaita, L.
Astrophysical Journal 723, 1110-1118 (2010)
57. “Clustering and descendants of MUSYC galaxies at $z < 1.5$ ”
 Padilla, N.D., Christlein, D., **Gawiser, E.**, Gonzalez, R.E., Guaita, L. & Infante, L.
Monthly Notices of the Royal Astronomical Society 409, 184-198 (2010)
56. “Dust-Corrected Colors Reveal Bimodality in AGN Host Galaxy Colors at $z \sim 1$ ”
 Cardamone, C.N., Urry, C.M., Schawinski, K., Treister, E., Brammer, G. & **Gawiser, E.**
Astrophysical Journal Letters 721, L38-L42 (2010)
55. “The Multiwavelength Survey by Yale-Chile (MUSYC): Deep Medium-Band Optical Imaging and High Quality 32-band Photometric Redshifts in the ECDF-S”
 Cardamone, C.N., van Dokkum, P.G., Urry, C.M., Taniguchi, Y., **Gawiser, E.**, Brammer, G., Taylor, E., Damen, M., Treister, E., Cobb, B.E., Bond, N., Schawinski, K., Lira, P., Murayama, T., Saito, T., Sumikawa, K.
Astrophysical Journal Supplements 189, 270-285 (2010)
54. “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.
Astrophysical Journal 719, 483-496 (2010)
53. “A LABOCA survey of the Extended Chandra Deep Field South: Two modes of star formation in AGN hosts?”
 Lutz, D., Mainieri, V., Rafferty, D., Shao, L., Hasinger, G., Weiss, A., Walter, F., Smail, I., Alexander, D.M., Brandt, W.N., Chapman, S., Coppin, K., Forster Schreiber, N.M., **Gawiser, E.**, Genzel, R., Greve, T.R., Ivison, R.J., Koekemoer, A.M., Kurczynski, P., Menten, K.M., Nordon, R., Popesso, P., Silverman, J.D., Wardlow, J. & Xue, Y.Q.

Astrophysical Journal 712, 1287-1301 (2010)

*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.

Astrophysical Journal 705, 639-649 (2009)

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

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

Monthly Notices of the Royal Astronomical Society 400, 429-450 (2009)

50. “The LABOCA Survey of the Extended Chandra Deep Field South”

Weiss, A., Kovacs, A., Coppin, K., Greve, T.R., Walter, F., Smail, I., Dunlop, J.S., Knudsen, K.K., Alexander, D.M., Bertoldi, F., Brandt, W.N., Chapman, S.C., Cox, P., Dannerbauer, H., De Breuck, C., **Gawiser, E.**, Ivison, R.J., Lutz, D., Menten, K.M., Koekemoer, A.M., Kreysa, E., Kurczynski, P., Rix, H.-W., Schinnerer, E. & van der Werf, P.P.

Astrophysical Journal 707, 1201-1216 (2009)

49. “Heavily Obscured 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.

Astrophysical Journal 706, 535-552 (2009)

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 183, 295-319 (2009)

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, 1713-1727 (2009)

46. “The Rise of Massive Red Galaxies: the Color-Magnitude and Color-Stellar Mass Diagrams for $z_{phot} < \sim 2$ 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, 1171-1199 (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, 937-943 (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, 1905-1914 (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-L16 (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, 70-74 (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, 1099-1115 (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, 130-142 (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, 67-79 (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, 219-237 (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, 278-284 (2007)
36. “Systematic Uncertainties in Stellar Mass Estimation for Distinct Galaxy Populations”
Kannappan, S. & **Gawiser, E.**
Astrophysical Journal Letters 657, L5-L8 (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, 79-91 (2007)
34. “Spitzer Mid-to-Far-Infrared Flux Densities of Distant Galaxies”
 Papovich, C., Rudnick, G., Le Floch, E., van Dokkum, P.G., Rieke, G.H., Taylor, E.N., Armus, L.,
Gawiser, E., Huang, J., Marcillac, D., & Franx, M.
Astrophysical Journal 668, 45-61 (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, 1103-1117 (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, 776-790 (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, 29-60 (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, 42-65 (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, 138-152 (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-L16 (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, 1-19 (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, 994-1010 (2006)
25. “CXOCY 220132.8-320144: An Edge-on Spiral Gravitational Lens”
Castander, F.J., Treister, E., Maza, J., & **Gawiser, E.**
Astrophysical Journal 652, 955-962 (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-L74 (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, 730-741 (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, 44-54 (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, 2373-2382 (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-L62 (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-L12 (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-L20 (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, 596-614 (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, 104-122 (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, 625-644 (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, 36-41 (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-L12 (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, 235-257 (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, 215-234 (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, 227-264 (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-L9 (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, 2206-2222 (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, 628-634 (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, 99-105 (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, 21-73 (2001)

4. “Contribution of Bright Extragalactic Radio Sources to Microwave Anisotropy”

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

Astrophysical Journal 562, 88-94 (2001)

3. “Constraining Primordial Non-Gaussianity With the Abundance of High Redshift Clusters”

Robinson, J., **Gawiser, E.** & Silk, J.

Astrophysical Journal 532, 1-16 (2000)

*2. “Extracting Primordial Density Fluctuations”

Gawiser, E. & Silk, J.

Science 280, 1405-1411 (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-L4 (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) [176 pages]

Conference Proceedings

*27. “Going beyond galaxy ages with dense basis star formation history reconstruction”

Iyer, K. & **Gawiser, E.**

Proceedings of IAU Symposium No. 341, “Challenges in Panchromatic Modelling with Next Generation Facilities”, p. 134-137 (2020)

*26. “Reconstructing The Star Formation Histories Of Galaxies Through Sed Fitting Using The Dense Basis Method”

Iyer, K. & **Gawiser, E.**

“Galaxy Evolution Across Time”, Proceedings of a conference held 12-16 June, 2017 in Paris. Online at <https://galaxiesinparis.sciencesconf.org/>, id. 2 [1 page] (2017)

25. “Big Data In Shela: Investigating Star-Formation Regulation At High Redshift With Progenitors

Of Massive Quiescent Galaxies”

Stevans, M., Finkelstein, S., Wold, I., Kawinwanichakij, L., Papovich, C.J., Sherman, S., Gebhardt, K., Jogee, S., Ciardullo, R., Gronwall, C., **Gawiser, E.J.**, Acquaviva, V., Caitlin, C. & Florez, J.

“Galaxy Evolution Across Time”, Proceedings of a conference held 12-16 June, 2017 in Paris. Online at <https://galaxiesinparis.sciencesconf.org/>, id. 17 [1 page] (2017)

24. “LADUMA: Looking at the Distant Universe with the MeerKAT Array”

Blyth, S., Baker, A.J., Holwerda, B., Bouchard, A., Catinella, B., Chemin, L., Cunnama, D., Davé, R., Faltenbacher, A., February, S., Fernandez, X., **Gawiser, E.**, Heywood, I., Keres, D., Klockner, H.R., Lah, P., Lochner, M., Maddox, N., Makhatini, S., Moodley, K., Morganti, R., Obreschkow, D., Oh, S. H., Pisano, D. J., Popping, A., Popping, G., Ravindranath, S., Schinnerer, E., Sheth, K., Skelton, R., Smith, M., Srianand, R., Staveley-Smith, L., Vaccari, M., Vaisanen, P., Walter, F., Rawlings, S., Bassett, B. A., Bershady, M. A., Briggs, F. H., Crawford, S. M., Cress, C. M., Darling, J. K., Deane, R. P., de Blok, G., Elson, E. C., Frank, B. S., Henning, P. A., Hess, K. M., Hughes, J. P., Jarvis, M. J., Kannappan, S. J., Katz, N. S., Kraan-Korteweg, R. C., Lehnert, M. D., Leroy, A. K., Meurer, G. R., Meyer, M. J., Pisano, D. J., Schröder, A. C., Smirnov, O. M., Somerville, R. S., Stewart, I. M., van der Heyden, K. J., Verheijen, M. A. W., Wilcots, E. M., Williams, T. B., Woudt, P. A., Wu, J. F., Zwaan, M. A., Zwart, J. T. L., Oosterloo, T. A. & van Drie, W.

Proceedings of MeerKAT Science: On the Pathway to the SKA, 25-27 May 2016, Stellenbosch, South Africa (MeerKAT2016) [12 pages] (2016)

*23. “Improving the LSST dithering pattern and cadence for dark energy studies”

Carroll, C.M., **Gawiser, E.**, Kurczynski, P.L., Bailey, R.A., Biswas, R., Cinabro, D., Jha, S.W., Jones, R.L., Krughoff, K.S., Sonawalla, A., Wood-Vasey, W.M, for the LSST Dark Energy Science Collaboration

Proceedings of the SPIE, Vol. 9149, “Observatory Operations: Strategies, Processes, and Systems V”, 91490C [9 pages] (2014)

22. “Low/High Redshift Classification of Emission Line Galaxies in the HETDEX Survey”

Acquaviva, V., **Gawiser, E.**, Leung, A. & Martin, M.R.

Proceedings of IAU Symposium No. 306, “Statistical Challenges in 21st Century Cosmology”, p. 365-368 (2014)

21. “Merger rates for early-type galaxies: combining clustering and luminosity function measurements”

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

Proceedings of the IAU Symposium 295, “*The Intriguing Life of Massive Galaxies*”, p.184-184 (2013)

20. “The Cosmic History of Black Hole Growth from X-ray Stacking”

Treister, E., Schawinski, K., Urry, M., Natarajan, P., Simmons, B., Cardamone, C., **Gawiser, E.** Sanders, D. & Volonteri, M.

Proceedings of “Half a Century of X-ray Astronomy”, id. 145 [22 pages] (2012)

*19. “SED fitting with MCMC: methodology and application to large galaxy surveys”

Acquaviva, V., **Gawiser, E.** & Guaita, L.

Proceedings of the IAU Symposium 284, “*The Spectral Energy Distribution of Galaxies*”, p.42-45 (2012)

*18. “The Clustering Properties of Intermediate X-ray Luminosity AGN at $z \sim 3$ ”

Francke, H., **Gawiser, E.**, Lira, P. & Infante, P.

- Co-Evolution of Central Black Holes and Galaxies, Proceedings of the International Astronomical Union Symposium 267* p. 261-261 (2010)
17. “What drives the star formation in early-type galaxies at late epochs? - the case for minor mergers”
Kaviraj, S., Ellis, R., Yi, S., Silk, J., Schawinski, K., **Gawiser, E.**, van Dokkum, P. & Urry, C.M.
Stellar Populations Planning for the Next Decade, Proceedings of the International Astronomical Union Symposium 262, p. 168-171 (2010)
16. “The Space Density of Compton-thick AGN”
Treister, E., Urry, C.M., Cardamone, C., Virani, S., Schawinski, K. & **Gawiser, E.**
Proc. for 'X-ray Astronomy 2009', Bologna 09/2009, AIP Conference Series 1248, Eds. A. Comastri, M. Cappi, L. Angelini, p. 381-384 (2010)
- *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. 195-200 (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.225-228 (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.405-406 (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. 849-850 (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, 35-39 (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.143-146 (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.531-532 (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), 202-207 (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), p.92-97 (2000)

*5. “Limits on Neutrino Masses from Large-Scale Structure”

Gawiser, E.

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, 132-135 (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. 148-156 (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.285-287 (1998)

White Papers

23. “Combining information from multiple cosmological surveys: inference and modeling challenges” [NASA/DOE RFI response]

Alonso, D., Calabrese, E., Eifler, T., Fabbian, G., Ferraro, S., **Gawiser, E.**, Hill, C.J., Krause, E., Madhavacheril, M., Slosar, A., & Spergel, D.N.

arXiv:2103.05320 (2021) [8 pages]

22. “Next Generation LSST Science” [Astro2020]

Jha, S., Bianco, F., Brandt, W.N., Galaz, G., **Gawiser, E.**, Gizis, J., Hlozek, R., Kaviraj, S., Newman, J.A., Verma, A., & Wood-Vasey, W.M.

Bulletin of the American Astronomical Society 51, 268 (2019) [8 pages]

21. “The Simons Observatory” [Astro2020]
Lee, A. et al.; 283 authors, including **Gawiser, E.**
Bulletin of the American Astronomical Society 51, 147 (2019) [17 pages]
20. “Deep Multi-object Spectroscopy to Enhance Dark Energy Science from LSST” [Astro2020]
Newman, J.A., Blazek, J., Chisari, N.E., Clowe, D., Dell’Antonio, I., **Gawiser, E.**, Hlozek, R.A., Kim, A.G., von der Linden, A., Lochner, M., Mandelbaum, R., Medezinski, E., Melchior, P., Sanchez, F.J., Schmidt, S.J., Singh, S., Zhou, R., for the LSST Dark Energy Science Collaboration
Bulletin of the American Astronomical Society 51, 358 (2019) [10 pages]
19. “Wide-field Multi-object Spectroscopy to Enhance Dark Energy Science from LSST” [Astro2020]
Mandelbaum, R., Blazek, J., Chisari, N.E., Collett, T., Galbany, L., **Gawiser, E.**, Hlozek, R.A., Kim, A.G., Leonard, C.D., Lochner, M., Newman, J.A., Perrefort, D.J., Schmidt, S.J., Singh, S., Sullivan, M., for the LSST Dark Energy Science Collaboration
Bulletin of the American Astronomical Society 51, 363 (2019) [11 pages]
18. “Ultra Deep Field Science with WFIRST” [Astro2020]
Koekemoer, A., Foley, R.J., Spergel, D.N. & 66 co-authors, including **Gawiser, E.**
Bulletin of the American Astronomical Society 51, 550 (2019) [10 pages]
17. “Dark Matter Science in the Era of LSST” [Astro2020]
Bechtol, K., Drlica-Wagner, A., & 178 co-authors, including **Gawiser, E.**
Bulletin of the American Astronomical Society 51, 207 (2019) [11 pages]
16. “Probing the Fundamental Nature of Dark Matter with the Large Synoptic Survey Telescope”
Drlica-Wagner, A., Mao, Y.-Y. & 96 co-authors, including **Gawiser, E.**
arXiv:1902.01055 (2019) [94 pages]
15. “Optimizing the LSST Observing Strategy for Dark Energy Science: DESC Recommendations for the Wide-Fast-Deep Survey”
Lochner, M., Scolnic, D.M., Awan, H., Regnault, N., Gris, P., Mandelbaum, R., **Gawiser, E.**, Almoubayyed, H., Setzer, C.N., Huber, S., Graham, M.L., Hlozek, R., Biswas, R., Eifler, T., Rothchild, D., Allam Jr, T., Blazek, J., Chang, C., Collett, T., Goobar, A., Hook, I.M., Jarvis, M., Jha, S.W., Kim, A.G., Marshall, P., McEwen, J.D., Moniez, M., Newman, J.A., Peiris, H.V., Rhodes, J., Sevilla Noarbe, I., Slosar, A. Suyu, S.H., Tyson, J.A. & Yoachim, P. (The LSST Dark Energy Science Collaboration)
arXiv:1812.00515 (2018) [20 pages]
14. “Optimizing the LSST Observing Strategy for Dark Energy Science: DESC Recommendations for the Deep Drilling Fields and other Special Programs”
Scolnic, D.M., Lochner, M., Gris, P., Regnault, N., Hlozek, R., Aldering, G., Allam Jr, T., Awan, H., Biswas, R., Blazek, J., Chang, C., **Gawiser, E.**, Goobar, A., Hook, I.M., Jha, S.W., McEwen, J.D., Mandelbaum, R., Marshall, P., Neilsen, E., Rhodes, J., Rothchild, D., Sevilla Noarbe, I., Slosar, A. & Yoachim, P. (The LSST Dark Energy Science Collaboration)
arXiv:1812.00516 (2018) [20 pages]
13. “A Big Sky Approach to Cadence Diplomacy”
Olsen, K., Di Criscienzo, M., Jones, R.L., Schwamb, M.E., Lin, H.W., Awan, H., Marshall, P., **Gawiser, E.**, Bolton, A. & Eisenstein, D.

arXiv:1812.02204 (2018) [12 pages]

12. “LSST Observing Strategy White Paper: LSST Observations of WFIRST Deep Fields”

Foley, R.J., Koekemoer, A.M., Spergel, D.N., Bianco, F.B., Capak, P., Dai, L, Dore, O., Fazio, G.G., Ferguson, H., Filippenko, A.V., Frye, B., Galbany, L., **Gawiser, E.**, Gronwall, C., Hathi, N.P., Hirata, C., Hounsell, R., Jha, S.W., Kim, A.G., Kelly, P.L., Kruk, J.W., Malhotra, S., Mandel, K.S., Margutti, R., Marrone, D., McQuinn, K.B.W., Melchior, P., Moustakas, L., Newman, J.A., Peek, J.E.G., Perlmutter, S., Rhodes, J.D., Robertson, B., Rubin, D., Scolnic, D., Somerville, R., Street, R., Wang, Y., Whalen, D.J., Windhorst, R.A. & Wollack, E.J.

arXiv:1812.00514 (2018) [12 pages]

11. “Large Synoptic Survey Telescope Galaxies Science Roadmap”

Robertson, B.E. et al., including **Gawiser, E.**

arXiv:1708.01617 (2017) [57 pages]

10. “Science-Driven Optimization of the LSST Observing Strategy”

LSST Science Collaborations: Marshall, P. et al., including **Gawiser, E.**; Cosmology chapter editors: Lochner, M. & **Gawiser, E.**

arXiv:1708.04058 (2017) [312 pages]

9. “Maximizing Science in the Era of LSST: A Community-Based Study of Needed US OIR Capabilities”
Najita, J., Willman, B. et al., including **Gawiser, E.**

arXiv:1610.01661 (2016) [174 pages]

8. “The Whole is Greater than the Sum of the Parts: Optimizing the Joint Science Return from LSST, Euclid and WFIRST”

Jain, B., Spergel, D. et al., including **Gawiser, E.**

arXiv:1501.07897 (2015) [28 pages]

7. “Large Synoptic Survey Telescope: Dark Energy Science Collaboration”

LSST Dark Energy Science Collaboration

arXiv:1211.0310 (2012) [133 pages]

6. “Addressing Decadal Survey Science through Community Access to Highly Multiplexed Spectroscopy with BigBOSS on the KPNO Mayall Telescope” [NSF AST Portfolio Review]

Pilachowski, C. et al., including **Gawiser, E.**

arXiv:1211.0285 (2012) [5 pages]

5. “Science Frontiers in Galaxy Evolution: Deep-Wide Surveys” [Astro2010]

Ferguson, H. et al., including **Gawiser, E.**

http://sites.nationalacademies.org/BPA/BPA_050603 (2009) [8 pages]

4. “Research Science and Education: The NSF’s Astronomy and Astrophysics Postdoctoral Fellowship” [Astro2010]

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

arXiv:0903.4509 (2009) [10 pages]

3. “Increasing the Number of Underrepresented Minorities in Astronomy: Executive Summary” [Astro2010]

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

arXiv:0903.4505 (2009) [8 pages]

2. “Increasing the Number of Underrepresented Minorities in Astronomy at the Undergraduate, Graduate, and Postdoctoral Levels” [Astro2010]

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

arXiv:0903.4506 (2009) [15 pages]

1. “Increasing the Number of Underrepresented Minorities in Astronomy Through K-12 Education and Public Outreach” [Astro2010]

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

arXiv:0903.4507 (2009) [5 pages]

Research Notes and Other Publications

11. “DESC DC2 Data Release Note”

LSST Dark Energy Science Collaboration, Abolfathi, B., Armstrong, R., Awan, H., Babuji, Y.N., Bauer, F.E., Beckett, G., Biswas, R., Bogart, J.R., Boutigny, D., Chard, K., Chiang, J., Cohen-Tanugi, J., Connolly, A.J., Daniel, S.F., Digel, S. W., Drlica-Wagner, A., Dubois, R., **Gawiser, E.**, Glanzman, T., Habib, S., Hearin, A.P., Heitmann, K., Hernandez, F., Hloek, R., Hollowed, J., Jarvis, M., Jha, S.W., Kalmbach, B.J., Kelly, H.M., Kovacs, E., Korytov, D., Krughoff, K.S., Lage, C.S., Lanusse, F., Larsen, P., Li, N., Longley, E.P., Lupton, R.H., Mandelbaum, R., Mao, Y.-Y., Marshall, P., Meyers, J.E., Park, J.W., Peloton, J., Perrefort, D., Perry, J., Plaszczynski, S., Pope, A., Rykoff, E.S., Snchez, F.J., Schmidt, S.J., Uram, T.D., Villarreal, A., Walter, C.W., Wiesner, M.P., & Wood-Vasey, W.M.

arXiv:2101.04855 (2021) [20 pages]

10. “Recommended Target Fields for Commissioning the Vera C. Rubin Observatory ”

Amon, A., Bechtol, K., Connolly, A. J., Digel, S. W., Drlica-Wagner, A., **Gawiser, E.**, Jarvis, M., Jha, S. W., von der Linden, A., Moniez, M., Narayan, G., Regnault, N., Sevilla-Noarbe, I., Schmidt, S. J., Suyu, S. H., & Walter, C.W.

arXiv:2010.15318 (2020) [37 pages]

9. “The LSST Dark Energy Science Collaboration (DESC) Science Requirements Document”

The LSST Dark Energy Science Collaboration, Mandelbaum, R., Eifler, T., Hlozek, R., Collett, T., **Gawiser, E.**, Scolnic, D., and 28 additional authors

arXiv:1809.01669 (2018) [94 pages]

- *8. “Making the Job Application Process More Efficient”

Gawiser, E. & McSwain, M.V.

AAS Newsletter Issue 151, p. 16-17 (2010)

7. “LSST Science Book, Version 2.0”

Large Synoptic Survey Telescope Science Collaborations: 247 authors, including **Gawiser, E.**

arXiv:0912.0201 (2009) [596 pages]

- *6. “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. 4-6 (2008)

5. “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.45-48 (2007)
- *4. “A Rejuvenated Universe Without Initial Singularity”
Gawiser, E.
 arXiv:astro-ph/0312440 (2003) [11 pages]
- *3. “The WOMBAT Challenge: A ”Hounds and Hares” Exercise for Cosmology”
Gawiser, E., Finkbeiner, D., Jaffe, A., Baker, J.C., Balbi, A., Davis, M., Hanany, S., Holzapfel, W.,
 Moustakas, L., Robinson, J., Scannapieco, E., Smoot, G.F. & Silk, J.
 arXiv:astro-ph/9812237 (1998) [11 pages]
- *2. “Observational Constraints on Microwave Anisotropy from Point Sources”
Gawiser, E., Jaffe, A., & Silk, J.
 arXiv:astro-ph/9811148 (1998) [15 pages]
1. “A Simultaneous Constraint on the Amplitude and Gaussianity of Mass Fluctuations in the Universe”
 Robinson, J., **Gawiser, E.** & Silk, J.
 arXiv:astro-ph/9805181 (1998) [6 pages]

Conference Abstracts and Circulars

- *127. “Star Formation Histories form CMDs and SEDs Agree: Evidence for Synchronized Star Formation in Local Volume Dwarf Galaxies over the Past 3 Gyrs”
 Olsen, C., **Gawiser, E.**, Iyer, K., McQuinn, K.B., Johnson, B.D., Telford, G., Wright, A.C., Broussard, A. & Kurczynski, P.
American Astronomical Society Meeting 238, 331.08 (2021)
126. “IceCube-210210A: Two Additional Optical Candidate Counterparts Found by DECam”
 Morgan, R., Garcia, A., Drlica-Wagner, A., Vivas, K., Herner, K., Bechtol, K., Lee, K., **Gawiser, E.**,
 Chiang, Y.-K., & Yang, Y.
 GRB Coordinates Network, 29519, 1 (2021)
125. “IceCube-210210A: Four Candidate Optical Counterparts from DECam Observations ”
 Morgan, R., Garcia, A., Drlica-Wagner, A., Vivas, K., Herner, K., Bechtol, K., Lee, K., **Gawiser, E.**,
 Chiang, Y.-K., & Kim, H.
 GRB Coordinates Network, 29501, 1 (2021)
- *124. “Towards an LSST Platinum Sample: Using Machine Learning to Identify Galaxies with Highly Accurate Photo-z’s”
 Broussard, A. & **Gawiser, E.**
American Astronomical Society Meeting 237, 443.06 (2021)
- *123. “Probing Cosmic Conformity in Local Volume Dwarf Galaxies with Star Formation Histories form CMDs and SEDs”
 Olsen, C., **Gawiser, E.**, Iyer, K., Kurczynski, P. & Broussard, A.
American Astronomical Society Meeting 237, 434.01 (2021)

- *122. “Updated Measurements of Star Formation Stochasticity Measured from the Distribution of Burst Indicators”
 Broussard, A., **Gawiser, E.**, Iyer, K., Kurczynski, P. & Olsen, C.
American Astronomical Society Meeting 237, 232.05 (2021)
- *121. “Star Formation Stochasticity Measured with the Burst State Indicator”
 Broussard, A., **Gawiser, E.**, Iyer, K., Kurczynski, P., Somerville, R., Davé, R., Finkelstein, S., Jung, I. & Pacifici, C.
American Astronomical Society Meeting 233, 144.27 (2019)
- *120. “The Origin and Evolution of the Galaxy Star Formation Rate-Stellar Mass Correlation”
Gawiser, E.J. & Iyer, K.
American Astronomical Society Meeting 231, 426.06 (2018)
- *119. “Exploring the Low Stellar Mass Regime of the SFR- M_* Correlation at $z < 6$ ”
 Iyer, K. & **Gawiser, E.J.**
American Astronomical Society Meeting 231, 426.03 (2018)
118. “Learning the Relationship between Galaxy Spectra and Star Formation Histories”
 Lovell, C., Acquaviva, V., Iyer, K. & **Gawiser, E.J.**
American Astronomical Society Meeting 231, 239.02 (2018)
- *117. “Big Data in the SHELA Field: Investigating Galaxy Quenching at High Redshifts”
 Stevans, M.L., Finkelstein, S.L., Wold, I., Kawinwanichakij, L., Sherman, S., Gebhardt, K., Jogee, S., Papovich, C.J., Ciardullo, R., Gronwall, C., **Gawiser, E.J.**, Acquaviva, V., Caitlin, C., Florez, J. & the HETDEX Team
American Astronomical Society Meeting 230, 316.07 (2017)
- *116. “Reconstruction of Galaxy Star Formation Histories through SED Fitting: The Dense Basis Approach”
 Iyer, K. & **Gawiser, E.J.**
American Astronomical Society Meeting 229, 347.22 (2017)
- *115. “Testing LSST Dither Strategies for Large-scale Structure Systematics”
 Awan, H., **Gawiser, E.J.** & Kurczynski, P.
American Astronomical Society Meeting 229, 128.04 (2017)
- *114. “Fast-Timescale Star Formation at $z \sim 1$ Revealed by H alpha”
 Kurczynski, P., **Gawiser, E.J.**, Acquaviva, V., Rafelski, M., Teplitz, H.I., UVUDF Team & CANDELS Team
American Astronomical Society Meeting 229, 214.04 (2017)
- *113. “Explaining the Three-decade Correlation between Star Formation Rate and Stellar Mass in Galaxies at $z \sim 1$ ”
Gawiser, E.J., Kurczynski, P., Acquaviva, V., UVUDF Team & CANDELS Team
American Astronomical Society Meeting 227, 124.04 (2016)
- *112. “Evolution of Intrinsic Scatter in the SFR-Stellar Mass Correlation at $0.5 < z < 3.0$ ”
 Kurczynski, P., **Gawiser, E.J.**, Acquaviva, V., Rafelski, M., Teplitz, H.I., UVUDF Team & CANDELS Team

American Astronomical Society Meeting 227, 124.03 (2016)

*111. “A Catalog of $z = 3.1$ Lyman Alpha Emitting Galaxies Discovered in Narrow-band Imaging of MUSYC 1030+05”

Christenson, H., Gangolli, N., Raney, C.A., Walker, J.P., **Gawiser, E.J.**, & MUSYC Collaboration
American Astronomical Society Meeting 227, 342.48 (2016)

*110. “The Star Formation Rate-Stellar Mass Correlation: Does the Scatter Matter?”

Gawiser, E.J.

American Astronomical Society Meeting 225, 329.02 (2015)

*109. “Optimizing the LSST Dither Pattern for Survey Uniformity”

Awan, H., **Gawiser, E.J.**, Kurczynski, P., Carroll, C.M. & LSST Dark Energy Science Collaboration
American Astronomical Society Meeting 225, 255.18 (2015)

*108. “Bayesian Identification of Emission-Line Galaxies with Photometric Equivalent Widths”

Leung, A., **Gawiser, E.J.**, Acquaviva, V. & HETDEX Collaboration
American Astronomical Society Meeting 225, 336.49 (2015)

*107. “What Determines the Strength of Lyman Alpha Emission in Star-Forming Galaxies?”

Bish, H., **Gawiser, E.J.**, Acquaviva, V. & CANDELS Team
American Astronomical Society Meeting 225, 143.55 (2015)

*106. “Sizing Up Dwarf Galaxies at $z > 1$: UV Colors, Stellar Masses and Star Formation Rates”

Kurczynski, P., **Gawiser, E.J.**, Rafelski, M., Teplitz, H.I., de Mello, D.F., Finkelstein, S.L., Gardner, J.P., Koekemoer, A.M., Soto, E. & UVUDF Team
American Astronomical Society Meeting 225, 329.07 (2015)

105. “Simultaneous Estimation of Photometric Redshifts and SED Parameters: Improved Techniques and a Realistic Error Budget”

Acquaviva, V., Raichoor, A. & **Gawiser, E.J.**

American Astronomical Society Meeting 225, 231.06 (2015)

104. “UVUDF: Ultraviolet Imaging of the Hubble Ultra Deep Field with Wide-Field Camera 3”

Teplitz, H.I., Rafelski, M., Kurczynski, P., Bond, N.A., Soto, E., Grogin, N.A., Koekemoer, A.M., Atek, H., Brown, T.M., Coe, D.A., Colbert, J.W., Dai, Y.S., Ferguson, H.C., Finkelstein, S.L., Gardner, J.P., **Gawiser, E.J.**, Giavalisco, M., Gronwall, C., Hanish, D., Lee, K.-S., Levay, Z.G., De Mello, D.F., Ravindranath, S., Ryan, R.E., Siana, B.D., Scarlata, C., Voyer, E. & Windhorst, R.A.

American Astronomical Society Meeting 224, 417.06 (2014)

*103. “Optimizing the LSST Dither Pattern for Dark Energy Studies”

Gawiser, E.J., Carroll, C.M., Kurczynski, P., Jones, R.L., Sonawalla, A., Bailey, R., Krughoff, K.S. & LSST Dark Energy Science Collaboration

American Astronomical Society Meeting 223, 343.08 (2014)

*102. “Improving the LSST Observing Cadence for Type Ia Supernovae”

Carroll, C.M., **Gawiser, E.J.**, Jha, S., Kurczynski, P., Biswas, R., Cinabro, D., Jones, R.L., Wood-Vasey, W.M. & LSST Dark Energy Science Collaboration

American Astronomical Society Meeting 223, 343.07 (2014)

- *101. “Restframe UV colors of $1 < z < 4$ star-forming galaxies in the Hubble Ultraviolet UltraDeep Field (UVUDF)”
Kurzczynski, P., **Gawiser, E.J.**, Teplitz, H.I., Rafelski, M., Finkelstein, S.L. & UVUDF Team
American Astronomical Society Meeting 223, 133.02 (2014)
- *100. “Assembly Bias Has a Non-monotonic Dependence on Halo Age”
Walker, Jean P., **Gawiser, E.J.** & Padilla, N.
American Astronomical Society Meeting 223, 332.04 (2014)
- *99. “To Stack or Not To Stack: Spectral Energy Distribution Properties of Lyman Alpha Emitting Galaxies at $z = 2.1$ ”
Vargas, C.J., Bish, H., Acquaviva, V., **Gawiser, E.J.**, Finkelstein, S.L., Ciardullo, R., CANDELS Collaboration & MUSYC Collaboration
American Astronomical Society Meeting 223, 310.04 (2014)
- *98. “To Stack or Not To Stack: Physical Properties of Lyman- α Emitting Galaxies at $z = 2.1$ ”
Bish, H., Vargas, C.J., Acquaviva, V., **Gawiser, E.J.**, Finkelstein, S.L., Ciardullo, R., MUSYC Collaboration & CANDELS Collaboration
American Astronomical Society Meeting 223, 145.05 (2014)
97. “Further Studies of Lyman-alpha Galaxy Halos in MUSYC-LAE Fields”
Feldmeier, J.J., Hagen, A., Ciardullo, R., **Gawiser, E.J.**, Gronwall, C. & MUSYC Collaboration
American Astronomical Society Meeting 223, 246.43 (2014)
96. “Spectral Energy Distribution Fitting of HETDEX Pilot Survey Lyman-alpha Emitters in COSMOS and GOODS-N”
Hagen, A., Gronwall, C., Ciardullo, R., Acquaviva, V., Zeimann, G., Bridge, J., **Gawiser, E.J.**, Bond, N.A. & HETDEX Team
American Astronomical Society Meeting 223, 246.31 (2014)
- *95. “LSST as a Large-Scale Structure Telescope: Probing Cosmology and Galaxy Formation”
Gawiser, E.J., Zhan, H., Abate, A., Acquaviva, V., Bradshaw, A., Brunner, R.J., Ho, S., Newman, J., Tyson, J.A. & LSST Large Scale Structure Science Collaboration
American Astronomical Society Meeting 221, 247.08 (2013)
- *94. “Lyman Break Galaxies at $z < 3$ in the Ultraviolet Hubble Ultradeep Field”
Kurzczynski, P., **Gawiser, E.J.**, Teplitz, H.I., Rafelski, M., Bond, N.A., Ravindranath, S., De Mello, D.F. & UVUDF Team
American Astronomical Society Meeting 221, 228.02 (2013)
- *93. “Physical Properties of Lyman Alpha Emitters in CANDELS”
Bish, H., Vargas, C.J., **Gawiser, E.J.**, Acquaviva, V. & Finkelstein, S.L.
American Astronomical Society Meeting 221, 147.32 (2013)
- *92. “To Stack or Not to Stack: Lessons from $z = 2.1$ Lyman-Alpha Emitting Galaxies”
Vargas, C.J., Bish, H., **Gawiser, E.J.**, Acquaviva, V., Finkelstein, S.L., CANDELS & MUSYC Collaborations
American Astronomical Society Meeting 221, 112.08 (2013)
- *91. “SED Fitting and Photometric Redshift Estimation: A Joint Analysis”

- Acquaviva, V., Raichoor, A. & **Gawiser, E.J.**
American Astronomical Society Meeting 221, 112.07 (2013)
90. “The Panchromatic Hubble Ultra Deep Field: Ultraviolet Coverage”
 Teplitz, H.I., Rafelski, M., Grogin, N.A., Koekemoer, A.M., Siana, B.D., Atek, H., Bond, N.A., Brown, T.M., Coe, D.A., Colbert, J.W., De Mello, D.F., Ferguson, H.C., Finkelstein, S.L., Gardner, J.P., **Gawiser, E.J.**, Giavalisco, M., Gronwall, C., Hanish, D., Kurczynski, P., Lee, K., Ravindranath, S., Ryan, R.E., Scarlata, C., Voyer, E. & Wolfe, A.M.
American Astronomical Society Meeting 221, 228.01 (2013)
- *89. “Lyman Alpha Tomography”
Gawiser, E., Kanarek, G., Ciardullo, R., Gronwall, C. & MUSYC Collaboration
American Astronomical Society Meeting 220, 429.08 (2012)
88. “HETDEX and the Evolution of The Physical Properties of Lyman-Alpha Emitting Galaxies”
 Ciardullo, R., Gronwall, C., Blanc, G., Finkelstein, S., **Gawiser, E.**, Gebhardt, K. & the HETDEX Collaboration
American Astronomical Society Meeting 220, 429.07 (2012)
87. “Ultraviolet Observations of the Hubble Ultra Deep Field”
 Rafelski, M., Teplitz, H., Grogin, N., Koekemoer, A., Siana, B., Atek, H., Bond, N. A., Brown, T. M., Coe, D., Colbert, J., Ferguson, H. C., Finkelstein, S. L., Gardner, J. P., **Gawiser, E.**, Giavalisco, M., Gronwall, C., Hanish, D., Kurczynski, P., Lee, K., Ravindranath, S., Scarlata, C., Voyer, E., Wolfe, A. & de Mello, D. F.
American Astronomical Society Meeting 220, 410.94 (2012)
- *86. “Lyman Alpha Tomography”
Gawiser, E., Kanarek, G., Ciardullo, R., Gronwall, C. & MUSYC Collaboration
American Astronomical Society Meeting 219, 402.08 (2012)
- *85. “MCMC SED Fitting Of CANDELS Galaxies: A Realistic Error Budget”
 Acquaviva, V., **Gawiser, E.** & the CANDELS Team
American Astronomical Society Meeting 219, 416.07 (2012)
- *84. “Present-day Descendants of $z = 3.1$ Ly α Emitting Galaxies In The Millennium-II Halo Merger Trees”
 Walker, J.P., **Gawiser, E.**, Bond, N.A., Padilla, N. & Francke, H.
American Astronomical Society Meeting 219, 340.10 (2012)
- *83. “Individual And Rest-frame Composite Spectra Of Ly α Emitting And UV Continuum-selected Galaxies At $2 < z < 3.5$ ”
 Berry, M., **Gawiser, E.**, Guaita, L., Padilla, N. & Treister, E.
American Astronomical Society Meeting 219, 340.12 (2012)
- *82. “Extremely High SFRs In $z \sim 2$ Galaxies: Multiwavelength Estimation vs. H α Spectroscopy”
 Kurczynski, P., **Gawiser, E.**, Huynh, M., Ivison, R. J., Treister, E., Blanc, G. A., Schinnerer, E., van der Werf, P., Urry, M., Cardamone, C., Greve, T., Smail, I. & Swinbank, M.
American Astronomical Society Meeting 219, 202.07 (2012)
- *81. “Exploring the Photometric Properties of $z = 3.1$ Lyman Alpha Emitting Galaxies”

- Vargas, C., Acquaviva, V., **Gawiser, E.**, Lai, K. & MUSYC Collaboration
American Astronomical Society Meeting 219, 340.11 (2012)
80. “LSST Probes of Dark Energy: New Energy vs New Gravity”
Bradshaw, A., Tyson, A., Jee, M. J., Zhan, H., Bard, D., Bean, R., Bosch, J., Chang, C., Clowe, D.,
Dell’Antonio, I., **Gawiser, E.**, Jain, B., Jarvis, M., Kahn, S., Knox, L., Newman, J., Wittman, D.
and the LSST Weak Lensing & LSS Science Collaborations
American Astronomical Society Meeting 219, 156.01 (2012)
79. “HETDEX: The Physical Properties of Lyman-alpha Emitters”
Gronwall, C., Blanc, G., Ciardullo, R., Finkelstein, S., **Gawiser, E.**, Gebhardt, K. & HETDEX
Collaboration
American Astronomical Society Meeting 219, 424.12 (2012)
78. “HETDEX: Evolution of Lyman Alpha Emitters”
Blanc, G.A., Gebhardt, K., Hill, G. J., Gronwall, C., Ciardullo, R., Finkelstein, S., **Gawiser, E.**
& HETDEX Collaboration
American Astronomical Society Meeting 219, 424.13 (2012)
77. “SHELA: The Spitzer-HETDEX Exploratory Large Area Survey”
Papovich, C.J., Gebhardt, K., Behroozi, P., Bender, R., Blanc, G. A., Ciardullo, R., DePoy, D., de
Jong, R., Drory, N., Evans, N., Fabricius, M., Finkelstein, S., **Gawiser, E.**, Greene, J., Gronwall,
C., Hill, G., Hopp, U., Jogee, S., Lacy, M., Landriau, M., Marshall, J., Tuttle, S., Somerville, R.,
Steinmetz, M., Suntzeff, N., Tran, K., Wechsler, R. & Wisotzki, L.
American Astronomical Society Meeting 219, 424.09 (2012)
76. “X-ray Constraints on the Lyman Alpha Escape Fraction”
Zheng, Z., Malhotra, S., Wang, J., Rhoads, J., Finkelstein, S., **Gawiser, E.**, Gronwall, C., Guaita, L.,
Nilsson, K. & Ciardullo, R.
American Astronomical Society Meeting 218, 228.28 (2011)
- *75. “Emission Line Profiles of Lyman Alpha Emitting Galaxies at $z = 2.1$ and $z = 3.1$ ”
Gawiser, E., Berry, M.J., Guaita, L., Padilla, N., Treister, E. & MUSYC Collaboration
American Astronomical Society Meeting 217, 407.02 (2011)
- *74. “Present-Day Descendants of $z = 3.1$ Ly α Emitting Galaxies in the Millennium-II Halo Merger
Trees”
Walker, J.P., **Gawiser, E.** & Bond, N.
American Astronomical Society Meeting 217, 407.01 (2011)
- *73. “Panchromatic Estimation of Star Formation Rates in BzK Galaxies”
Kurczynski, P., **Gawiser, E.**, Huynh, M., Ivison, R.J., Treister, E., Smail, I., Blanc, G.A., Cardamone,
C.N., Greve, T.R., Schinnerer, E., Urry, M., van der Werf, P. & Walter, F.
American Astronomical Society Meeting 217, 233.04 (2011)
- *72. “SED Fitting with Markov Chain Monte Carlo: The Case of $z = 2.1$ Lyman Alpha Emitters”
Acquaviva, V., Guaita, L., **Gawiser, E.** & Padilla, N.
American Astronomical Society Meeting 217, 407.04 (2011)
71. “Host Galaxies and Black Hole Growth at $z = 1$ ”

- Urry, C.M., Cardamone, C.N., Schawinski, K., Treister, E., Brammer, G. & **Gawiser, E.**
American Astronomical Society Meeting 217, 335.23 (2011)
70. “Baryon Acoustic Oscillations in the LSST Photometric Survey”
 Abate, A., Gorecki, A., Ansari, R., Barrau, A., Baumont, S., Derome, L., **Gawiser, E.**, Magneville, C., Monizez, M., Newman, J.A., Tyson, J.A., Zhan, H. & LSST LSS Science Collaboration
American Astronomical Society Meeting 217, 252.19 (2011)
69. “First Constraints on the Metallicities of High-Redshift Lyman Alpha Galaxies”
 Finkelstein, S.L., Gebhardt, K., Hill, G., Adams, J., Blanc, G., Papovich, C., **Gawiser, E.** & Drory, N.
American Astronomical Society Meeting 217, 407.09 (2011)
- *68. “Probing the Dark Matter-Galaxy Formation Connection with Lyman Alpha Emitting Galaxies”
Gawiser, E.
 APS, April Meeting, G13.005 (2010)
67. “Chandra Observations of Heavily-Obscured AGN at $z \sim 2$ ”
 Treister, E., Cardamone, C.N., Urry, C., Schawinski, K., Natarajan, P., Sanders, D. & **Gawiser, E.**
 AAS, High Energy Astrophysics Division meeting #11, 35.06 (2010)
- *66. “Lyman Alpha-emitting Galaxies at $z = 2.1$: Characterizing the Progenitors of Typical Present-day Galaxies”
Gawiser, E., Guaita, L., Padilla, N., Francke, H., Bond, N.A., Gronwall, C., Ciardullo, R., Sinawa, S., Feldmeier, J.J. & MUSYC Collaboration
Bulletin of the American Astronomical Society 42, 304 (2010)
- *65. “Sizes of Lyman-alpha-emitting Galaxies And Their Rest-frame Ultraviolet Components At $z = 3.1$ ”
 Bond, N.A., **Gawiser, E.**, Gronwall, C., Ciardullo, R. & MUSYC Collaboration
Bulletin of the American Astronomical Society 42, 305 (2010)
- *64. “Panchromatic SEDs of High-redshift Star-forming Galaxies”
 Kurczynski, P., **Gawiser, E.**, Huynh, M., Greve, T.R., Ivison, R., MUSYC Collaboration & LESS Collaboration
Bulletin of the American Astronomical Society 42, 315 (2010)
- *63. “Properties of $z = 0$ Descendants of $z = 3.1$ Lyman Alpha Emitters in the Millenium Simulation”
 Walker, J.P., **Gawiser, E.**, Bond, N.A. & MUSYC Collaboration
Bulletin of the American Astronomical Society 42, 237 (2010)
62. “The Shapes of Lyman-alpha Emitting Galaxies at $z = 3.1$ ”
 Gronwall, C., Bond, N.A., **Gawiser, E.**, Feldmeier, J.J., Ciardullo, R., Matkovic, A. & MUSYC Collaboration
Bulletin of the American Astronomical Society 42, 236 (2010)
61. “Luminosity Functions and Photometric Properties of Lyman-alpha Emitters at $2 < z < 3$ ”
 Wolf, C., Sinawa, S., Ciardullo, R., Gronwall, C., Guaita, L., **Gawiser, E.**, Bond, N., Feldmeier, J., Pailla, N. & MUSYC Collaboration

- Bulletin of the American Astronomical Society* 42, 236 (2010)
60. “X-ray Detected AGN on the Color-Magnitude Diagram”
Cardamone, C.N., Urry, C., van Dokkum, P., **Gawiser, E.**, Brammer, G., Taylor, N., Kriek, M. & Schawinski, K.
Bulletin of the American Astronomical Society 42, 419 (2010)
59. “Early-type Galaxy Evolution: The Last 8 Billion Years”
Kaviraj, S., Yi, S.K., Ellis, R., Schawinski, K., **Gawiser, E.**, Silk, J., van Dokkum, P. & Urry, M.
Bulletin of the American Astronomical Society 42, 550 (2010)
58. “AGN On The Color-Magnitude Diagram At $z = 0$ and $z = 1$ ”
Urry, C.M., Cardamone, C., Schawinski, K., Virani, S., Simmons, B., Treister, E., **Gawiser, E.**, Lira, P. & MUSYC Collaboration
Bulletin of the American Astronomical Society 42, 242 (2010)
57. “LSST Cosmological Probes”
Scranton, R., Barkhouse, W., Bartlett, J.G., Cooray, A., Fromenteau, S., **Gawiser, E.**, Habib, S., Heavens, A., Infante, L., Miller, C., Newman, J., Tyson, J., Verde, L., Wechsler, R. & Zhan, H.
Bulletin of the American Astronomical Society 42, 219 (2010)
56. “Galaxy Evolution with LSST”
Lotz, J.M., Ferguson, H.C., Armus, L., Barrientos, L.F., Bartlett, J.G., Blanton, M., Borne, K.D., Bridge, C.R., Dickinson, M., Francke, H., Galaz, G., **Gawiser, E.**, Gilmore, K., Lupton, R.H., Newman, J.A., Padilla, N.D., Robertson, B.E., Roskar, R., Stanford, A. & Wechsler, R.H.
Bulletin of the American Astronomical Society 42, 219 (2010)
55. “AGN on the color-magnitude diagram: Results from a Deep Medium Band Survey with the Subaru Telescope in the MUSYC-ECDFS Region”
Cardamone, C., Urry, C.M., van Dokkum, P., Schawinski, K., **Gawiser, E.**, Brammer, G., Taylor, N., Treister, E., Taniguchi, Y. & Virani, S.
Chandra’s First Decade of Discovery, Abstract #55 (2009)
- *54. “Probing the Dark Matter-Galaxy Formation Connection with Lyman Alpha Emitting Galaxies”
Gawiser, E.
APS, April Meeting, C12.007 (2009)
- *53. “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)
- *52. “Properties of $z = 0$ Descendants of $z = 3.1$ Lyman Alpha Emitters in the Millennium Simulation”
Walker, J., **Gawiser, E.** & Bond, N.
AAS 213, 608.13 (2009)
- *51. “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)

- *50. “Sweeping Up The Dust: A Sub-millimeter Stacking Analysis Of High-redshift Star Forming Galaxies”
Kurzczynski, P., **Gawiser, E.**, Cortes, J., Lira, P., Wilson, G., MUSYC Collaboration, LESS Collaboration & ASTE/AzTEC Team
AAS 213, 337.04 (2009)
49. “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)
48. “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)
47. “X-ray Properties of Sub-millimeter Galaxies in the Extended Chandra Deep Field-south”
Berwick, E., Virani, S., Urry, C.M., Cortes, J., Cardamone, C., **Gawiser, E.**, Lira, P., MUSYC Collaboration & ASTE/AzTEC Team
AAS 213, 608.06 (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., Ostriker, 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., Ostriker, 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)

*39. “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)

38. “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 $\text{Ly}\alpha$ 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 Duyne, 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 Duyne, 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 Duyne, 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 Duyne, 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 meeting #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 Ly α 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)