

## Prof. Eric Gawiser

### Publications

The 309 publications listed below have received more than 14,000 citations, with an  $h$ -index of 60.

\* 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 $\alpha$ -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 $\alpha$  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., Holzappel, W., Krumholz, M., Moustakas, L., Robinson, J., Scannapieco, E., Smoot, G.F. & Silk, J.

*Microwave Foregrounds*, eds. A. de Oliveira-Costa & M. Tegmark (ASP, San Francisco), 367-377 (1999)

### Submitted

1. “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)

submitted to *Monthly Notices of the Royal Astronomical Society*, arXiv:2001.00941

### Refereed Journal Publications

- \*130. “Angular Correlation Function Estimators Accounting for Contamination from Probabilistic Distance Measurements”  
Awan, H. & **Gawiser, E.**  
*The Astrophysical Journal*, in press, arXiv:1911.07832
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*, in press, arXiv:1912.08209
- \*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., Deroose, 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.** & Wilk 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 $\alpha$  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 $\beta$ ”  
 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., Mehrrens, 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., Wiklund, 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, Yl, 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 Ultradeep 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 $\alpha$ -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 $\alpha$  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 $\alpha$  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., Groggin, N., **Gawiser, E.**, Ravindranath, S. & Scarlata, C.  
*Astrophysical Journal* 791, 18 (2014) [10 pages]
91. “Spectral Energy Distribution Fitting of HETDEX Pilot Survey Ly $\alpha$  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 $\alpha$  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”  
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- \*109. “Optimizing the LSST Dither Pattern for Survey Uniformity”  
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- \*107. “What Determines the Strength of Lyman Alpha Emission in Star-Forming Galaxies?”  
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- \*102. “Improving the LSST Observing Cadence for Type Ia Supernovae”  
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\*101. “Restframe UV colors of  $1 < z < 4$  star-forming galaxies in the Hubble Ultraviolet UltraDeep Field (UVUDF)”

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\*99. “To Stack or Not To Stack: Spectral Energy Distribution Properties of Lyman Alpha Emitting Galaxies at  $z = 2.1$ ”

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- \*89. “Lyman Alpha Tomography”  
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- \*85. “MCMC SED Fitting Of CANDELS Galaxies: A Realistic Error Budget”  
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- \*84. “Present-day Descendants of  $z = 3.1$  Ly $\alpha$  Emitting Galaxies In The Millennium-II Halo Merger Trees”  
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- \*83. “Individual And Rest-frame Composite Spectra Of Ly $\alpha$  Emitting And UV Continuum-selected Galaxies At  $2 < z < 3.5$ ”  
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- \*82. “Extremely High SFRs In  $z \sim 2$  Galaxies: Multiwavelength Estimation vs. H $\alpha$  Spectroscopy”  
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- \*75. “Emission Line Profiles of Lyman Alpha Emitting Galaxies at  $z = 2.1$  and  $z = 3.1$ ”  
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- \*74. “Present-Day Descendants of  $z = 3.1$  Ly $\alpha$  Emitting Galaxies in the Millennium-II Halo Merger  
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- \*73. “Panchromatic Estimation of Star Formation Rates in BzK Galaxies”  
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- \*68. “Probing the Dark Matter-Galaxy Formation Connection with Lyman Alpha Emitting Galaxies”  
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