

## Publications — Fabian Walter

### Refereed Publications:

156. F. Bigiel, A. Leroy, **F. Walter**, L. Blitz, E. Brinks, W. J. G. de Blok, B. Madore, 'Extremely inefficient star formation in the outer disks of nearby galaxies', 2010, AJ, subm.
155. Schrubba, A, Leroy, A., **Walter, F.**, Sandstrom, K., Rosolowsky, E., 'The Scale Dependence of the Molecular Gas Depletion time in M33', 2010, ApJ, subm/
154. P.P. van der Werf, K.G. Isaak, R. Meijerink, M. Spaans, A. Rykala, T. Fulton, A.F. Loenen, **F. Walter**, A. Weiss, L. Armus, J. Fischer, F.P. Israel, A.I. Harris, S. Veilleux, C. Henkel, G. Savini, S. Lord, H.A. Smith, E. Gonzalez-Alfonso, D. Naylor, S. Aalto, V. Charmandaris, K.M. Dasyra, A. Evans, Y. Gao, T. Greve, R. Güsten, C. Kramer, J. Martin-Pintado, J. Mazzarella, P.P. Papadopoulos, D.B. Sanders, L. Spinoglio, G. Stacey, C. Vlahakis, M.C. Wiedner, E. Xilouris, 'Black hole accretion and star formation as drivers of gas excitation and chemistry in Mrk 231', A&A Letters, subm.
153. E. Gonzalez-Alfonso, J. Fischer, K. Isaak, A. Rykala, G. Savini, M. Spaans, P. van der Werf, R. Meijerink, F. P. Israel, A. F. Loenen, C. Vlahakis, H. A. Smith, V. Charmandaris, S. Aalto, C. Henkel, A. Weiss, **F. Walter**, T. Greve, L. Spinoglio, S. Veilleux, A. I. Harris, L. Armus, S. Lord, J. Mazzarella, E. M. Xilouris, D. B. Sanders, K. M. Dasyra, M. C. Wiedner, C. Kramer, P. P. Papadopoulos, G. J. Stacey, A. S. Evans, and Y. Gao, 'Herschel observations of water vapour in Markarian 231', A&A Letters, subm.
152. C. Leipski, K. Meisenheimer, U. Klaas, O. Krause, **F. Walter**, H. Dannerbauer, D. Hutsemekers, M. Haas, M. Nielbock, H.-W. Rix, X. Fan, D. Lemke, G. de Rosa, M.-A. Besel, C. Jean, M. Stickel, 'PACS photometry of two  $z > 4$  Quasars', 2010, A&A Letters, subm.
151. C. W. Engelbracht, L. K. Hunt, R. A. Skibba, J. L. Hinz, D. Calzetti, K. D. Gordon, H. Roussel, A. F. Crocker, K. A. Misselt, A. D. Bolatto, R. C. Kennicutt, P. N. Appleton, L. Armus, P. Beirao, B. R. Brandl, K. V. Croxall, D. A. Dale, B. T. Draine, G. Dumas, A. Gil de Paz, B. Groves, C.-N. Hao, G. Helou, B. D. Johnson, J. Koda, O. Krause, A. K. Leroy, S. E. Meidt, E. J. Murphy, N. Rahman, H.-W. Rix, K. M. Sandstrom, M. Sauvage, E. Schinnerer, J.-D. T. Smith, S. Srinivasan, L. Vigroux, **F. Walter**, B. E. Warren, C. D. Wilson, M. G. Wolfire, S. Zibetti, 'Enhanced Dust Heating in the Bulges of Early-Type Spiral Galaxies', 2010, A&A Letters, subm.
150. K. Sandstrom, O. Krause, H. Linz, E. Schinnerer, G. Dumas, S. Meidt, H.-W. Rix, M. Sauvage, **F. Walter**, R. C. Kennicutt, D. Calzetti, P. Appleton, L. Armus, P. Beirao, A. Bolatto, B. Brandl, A. Crocker, K. Croxall, D. Dale, B. T. Draine, C. Engelbracht, A. Gil de Paz, K. Gordon, B. Groves, C.-N. Hao, G. Helou, J. Hinz, L. Hunt, B. D. Johnson, J. Koda, A. Leroy, E. J. Murphy, N. Rahman, H. Roussel, R. Skibba, J.-D. Smith, S. Srinivasan, L. Vigroux, B. E. Warren, C. D. Wilson, M. Wolfire, and S. Zibetti, 'Mapping Far-IR Emission from the Central Kiloparsec of NGC 1097', 2010, A&A, subm.

149. P. Beirao, L. Armus, P. N. Appleton, J.-D. T. Smith, K. V. Croxall, E. J. Murphy, D. A. Dale, G. Helou, R. C. Kennicutt, D. Calzetti, A. D. Bolatto, B. R. Brandl, A. F. Crocker, B. T. Draine, G. Dumas, C. W. Engelbracht, A. Gil de Paz, K. D. Gordon, B. Groves, C.-N. Hao, J. L. Hinz, L. K. Hunt, B. D. Johnson, J. Koda, O. Krause, A. K. Leroy, S. E. Meidt, J. Richer, H.-W. Rix, N. Rahman, H. Roussel, K. M. Sandstrom, M. Sauvage, E. Schinnerer, R. A. Skibba, S. Srinivasan, **F. Walter**, B. E. Warren, C. D. Wilson, M. G. Wolfire, S. Zibetti, 'Far-Infrared Line Imaging of the Starburst Ring in NGC 1097 with the Herschel/PACS Spectrometer', 2010, A&A, *subm.*
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147. Aravena, M., Carilli, C., Daddi, E., Wagg, J., **Walter, F.**, Riechers, D., Dannerbauer, H., Morrison, G., Stern, D., M. Krips, M., 'Cold molecular gas in massive, star-forming disk galaxies at  $z = 1.5$ ', ApJ, *subm.*
146. C. Henkel, D. Downes, A. Weiss, D. Riechers, **F. Walter**, 'Weak  $^{13}\text{CO}$  in the Cloverleaf Quasar: evidence for a young, early generation starburst', 2010, A&A, arXiv:1004.2699
145. Daddi, E.; Elbaz, D.; **Walter, F.**; Bournaud, F.; Salmi, F.; Carilli, C.; Dannerbauer, H.; Dickinson, M.; Monaco, P.; Riechers, D., 'Different Star Formation Laws for Disks Versus Starbursts at Low and High Redshifts', 2010, ApJL, 714, L118
144. Jiang, L.; Fan, X.; Brandt, W. N.; Carilli, C. L.; Egami, E.; Hines, D. C.; Kurk, J. D.; Richards, G. T.; Shen, Y.; Strauss, M. A.; Vestergaard, M.; **Walter, F.**, 'Dust-free quasars in the early Universe', 2010, Nature, 464, 380
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142. D. Lutz, V. Mainieri, D. Rafferty, L. Shao, G. Hasinger, A. Weiss, **F. Walter**, I. Smail, D.M. Alexander, W.N. Brandt, S. Chapman, K. Coppin, N.M. Forster Schreiber, E. Gawiser, R. Genzel, T.R. Greve, R.J. Ivison, A.M. Koekemoer, P. Kurczynski, K.M. Menten, R. Nordon, P. Popesso, J.D. Silverman, J. Wardlow, Y.Q. Xue, 'A LABOCA survey of the Extended Chandra Deep Field South: Two modes of star formation in AGN hosts?', 2010, ApJ, 712, 1287
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140. Wang, R.; Carilli, C. L.; Neri, R.; Riechers, D. A.; Wagg, J.; Walter, F.; Bertoldi, F.; Menten, K. M.; Omont, A.; Cox, P.; Fan, X., 'Molecular Gas in Redshift 6 Quasar Host Galaxies', ApJ, 2010, in press, arXiv:1002.1561
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**Press releases**

- 2010, MPIA press release on 'Feuer ohne Rauch: Auf den Spuren der ertümlichsten Schwarzen Löcher'
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