

Galaxien und Kosmologie / Galaxies and Cosmology (2010)

Refereed Papers

Alibert, Y., C. Broeg, W. Benz, G. Wuchterl, O. Grasset, C. Sotin, C. Eiroa, T. Henning, T. Herbst, L. Kaltenegger, A. Léger, R. Liseau, H. Lammer, C. Beichman, W. Danchi, M. Fridlund, J. Lunine, F. Paresce, A. Penny, A. Quirrenbach, H. Röttgering, F. Selsis, J. Schneider, D. Stam, G. Tinetti and G. J. White: Origin and formation of planetary systems. *Astrobiology* **10**, 19-32 (2010)

Andrae, R., P. Melchior and M. Bartelmann: Soft clustering analysis of galaxy morphologies: a worked example with SDSS. *Astronomy and Astrophysics* **522**, id.A21 (2010)

Antonuccio-Delogu, V., A. Dobrotka, U. Becciani, S. Cielo, C. Giocoli, A. V. Macciò and A. Romeo-Veloná: Dissecting the spin distribution of dark matter haloes. *Monthly Notices of the Royal Astronomical Society* **407**, 1338-1346 (2010)

Aravena, M., F. Bertoldi, C. Carilli, E. Schinnerer, H. J. McCracken, M. Salvato, D. Riechers, K. Sheth, V. Smolcic, P. Capak, A. M. Koekemoer and K. M. Menten: Environment of MAMBO galaxies in the COSMOS field. *The Astrophysical Journal* **708**, L36-L41 (2010)

Aravena, M., C. Carilli, E. Daddi, J. Wagg, F. Walter, D. Riechers, H. Dannerbauer, G. E. Morrison, D. Stern and M. Krips: Cold molecular gas in massive, star-forming disk galaxies at $z = 1.5$. *The Astrophysical Journal* **718**, 177-183 (2010)

Audard, M., G. S. Stringfellow, M. Güdel, S. L. Skinner, F. M. Walter, E. F. Guinan, R. T. Hamilton, K. R. Briggs and C. Baldovin-Saavedra: A multi-wavelength study of the young star V1118 Orionis in outburst. *Astronomy and Astrophysics* **511**, id.A63 (2010)

Baes, M., M. Clemens, E. M. Xilouris, J. Fritz, W. D. Cotton, J. I. Davies, G. J. Bendo, S. Bianchi, L. Cortese, I. de Looze, M. Pohlen, J. Verstappen, H. Böhringer, D. J. Bomans, A. Boselli, E. Corbelli, A. Dariush, S. di Serego Alighieri, D. Fadda, D. A. Garcia-Appadoo, G. Gavazzi, C. Giovanardi, M. Grossi, T. M. Hughes, L. K. Hunt, A. P. Jones, S. Madden, D. Pierini, S. Sabatini, M. W. L. Smith, C. Vlahakis and S. Zibetti: The Herschel Virgo Cluster Survey . VI. The far-infrared view of M 87. *Astronomy and Astrophysics* **518**, id.L53 (2010)

Bailer-Jones, C. A. L.: The ILIUM forward modelling algorithm for multivariate parameter estimation and its application to derive stellar parameters from Gaia spectrophotometry. *Monthly Notices of the Royal Astronomical Society* **403**, 96-116 (2010)

Bardelli, S., E. Schinnerer, V. Smolcic, G. Zamorani, E. Zucca, M. Mignoli, C. Halliday, K. Kovac, P. Ciliegi, K. Caputi, A. M. Koekemoer, A. Bongiorno, M. Bondi, M. Bolzonella, D. Vergani, L. Pozzetti, C. M. Carollo, T. Contini, J. P. Kneib, O. LeFevre, S. Lilly, V. Mainieri, A. Renzini, M. Scoggio, G. Coppa, O. Cucciati, S. delaTorre, L. deRavel, P. Franzetti, B. Garilli, A. Iovino, P. Kampczyk, C. Knobel, F. Lamareille, J. F. LeBorgne, V. LeBrun, C. Maier, R. Pello, Y. Peng, E. Perez-Montero, E. Ricciardelli, J. D. Silverman, M. Tanaka, L. Tasca, L. Tresse, U. Abbas, D. Bottini, A. Cappi, P. Cassata, A. Cimatti, L. Guzzo, A. Leauthaud, D. Maccagni, C. Marinoni, H. J. McCracken, P. Memeo, B. Meneux, P. Oesch, C. Porciani, R. Scaramella, P. Capak, D. Sanders, N. Scoville, Y. Taniguchi and K. Jahnke: Properties and environment of radio emitting galaxies in the VLA-zCosmos survey. *Astronomy and Astrophysics* **511**, id.A1 (2010)

Bayliss, M. B., E. Wuyts, K. Sharon, M. D. Gladders, J. F. Hennawi, B. P. Koester and H. Dahle: Two lensed Lyman- α emitting galaxies at $z \sim= 3$. *The Astrophysical Journal* **720**, 1559-1568 (2010)

Beirão, P., 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 and S. Zibetti: Far-infrared line imaging of the starburst ring in NGC 1097 with the Herschel/PACS spectrometer. *Astronomy and*

Bell, E. F., X. X. Xue, H.-W. Rix, C. Ruhland and D. W. Hogg: Stellar population variations in the Milky Way's stellar halo. The Astronomical Journal **140**, 1850-1859 (2010)

Bigiel, F., A. D. Bolatto, A. K. Leroy, L. Blitz, F. Walter, E. W. Rosolowsky, L. A. Lopez and R. L. Plambeck: Unusually luminous giant molecular clouds in the outer disk of M33. The Astrophysical Journal **725**, 1159-1164 (2010)

Bigiel, F., A. Leroy, M. Seibert, F. Walter, L. Blitz, D. Thilker and B. Madore: Tightly correlated H I and FUV emission in the outskirts of M83. The Astrophysical Journal Letters **720**, L31-L35 (2010)

Bigiel, F., A. Leroy, F. Walter, L. Blitz, E. Brinks, W. J. G. de Blok and B. Madore: Extremely Inefficient Star Formation in the Outer Disks of Nearby Galaxies. The Astronomical Journal **140**, 1194-1213 (2010)

Bond, N. A., Ž. Ivezić, B. Sesar, M. Juric, J. A. Munn, A. Kowalski, S. Loebman, R. Roškar, T. C. Beers, J. Dalcanton, C. M. Rockosi, B. Yanny, H. J. Newberg, C. Allende Prieto, R. Wilhelm, Y. S. Lee, T. Sivarani, S. R. Majewski, J. E. Norris, C. A. L. Bailer-Jones, P. Re Fiorentin, D. Schlegel, A. Uomoto, R. H. Lupton, G. R. Knapp, J. E. Gunn, K. R. Covey, J. Allyn Smith, G. Miknaitis, M. Doi, M. Tanaka, M. Fukugita, S. Kent, D. Finkbeiner, T. R. Quinn, S. Hawley, S. Anderson, F. Kiuchi, A. Chen, J. Bushong, H. Sohi, D. Haggard, A. Kimball, R. McGurk, J. Barentine, H. Brewington, M. Harvanek, S. Kleinman, J. Krzesinski, D. Long, A. Nitta, S. Snedden, B. Lee, J. R. Pier, H. Harris, J. Brinkmann and D. P. Schneider: The Milky Way tomography with SDSS. III. Stellar kinematics. The Astrophysical Journal **716**, 1-29 (2010)

Boselli, A., L. Ciesla, V. Buat, L. Cortese, R. Auld, M. Baes, G. J. Bendo, S. Bianchi, J. Bock, D. J. Bomans, M. Bradford, N. Castro-Rodriguez, P. Chanial, S. Charlot, M. Clemens, D. Clements, E. Corbelli, A. Cooray, D. Cormier, A. Dariush, J. Davies, I. de Looze, S. di Serego Alighieri, E. Dwek, S. Eales, D. Elbaz, D. Fadda, J. Fritz, M. Galametz, F. Galliano, D. A. Garcia-Appadoo, G. Gavazzi, W. Gear, C. Giovanardi, J. Glenn, H. Gomez, M. Griffin, M. Grossi, S. Hony, T. M. Hughes, L. Hunt, K. Isaak, A. Jones, L. Levenson, N. Lu, S. C. Madden, B. O'Halloran, K. Okumura, S. Oliver, M. Page, P. Panuzzo, A. Papageorgiou, T. Parkin, I. Perez-Fournon, D. Pierini, M. Pohlen, N. Rangwala, E. Rigby, H. Roussel, A. Rykala, S. Sabatini, N. Sacchi, M. Sauvage, B. Schulz, M. Schirm, M. W. L. Smith, L. Spinoglio, J. Stevens, S. Sundar, M. Symeonidis, M. Trichas, M. Vaccari, J. Verstappen, L. Vigroux, C. Vlahakis, C. Wilson, H. Wozniak, G. Wright, E. M. Xilouris, W. Zeilinger and S. Zibetti: FIR colours and SEDs of nearby galaxies observed with Herschel. Astronomy and Astrophysics **518**, id.L61 (2010)

Bot, C., M. Rubio, F. Boulanger, M. Albrecht, A. Leroy, A. D. Bolatto, F. Bertoldi, K. Gordon, C. Engelbracht, M. Block and K. Misselt: LABOCA observations of giant molecular clouds in the southwest region of the Small Magellanic Cloud. Astronomy and Astrophysics **524**, id.A52 (2010)

Bothwell, M. S., S. C. Chapman, L. Tacconi, I. Smail, R. J. Ivison, C. M. Casey, F. Bertoldi, R. Beswick, A. Biggs, A. W. Blain, P. Cox, R. Genzel, T. R. Greve, R. Kennicutt, T. Muxlow, R. Neri and A. Omont: High-resolution CO and radio imaging of ULIRGs: extended CO structures and implications for the universal star formation law. Monthly Notices of the Royal Astronomical Society **405**, 219-233 (2010)

Bothwell, M. S., S. C. Chapman, L. Tacconi, I. Smail, R. J. Ivison, C. M. Casey, F. Bertoldi, R. Beswick, A. Biggs, A. W. Blain, P. Cox, R. Genzel, T. R. Greve, R. Kennicutt, T. Muxlow, R. Neri and A. Omont: High-resolution CO and radio imaging of ULIRGs: extended CO structures and implications for the universal star formation law. Monthly Notices of the Royal Astronomical Society **405**, 219-233 (2010)

Bottacini, E., M. Böttcher, P. Schady, A. Rau, X. L. Zhang, M. Ajello, C. Fendt and J. Greiner: Probing the transition between the synchrotron and inverse-compton spectral components of 1ES 1959+650. The Astrophysical Journal Letters **719**, L162-L166 (2010)

Boudreault, S., C. A. L. Bailer-Jones, B. Goldman, T. Henning and J. A. Caballero: Brown dwarfs and very low mass stars in the Praesepe open cluster: a dynamically unevolved mass function? Astronomy and Astrophysics **510**, id.A27 (2010)

Bovy, J. and D. W. Hogg: The velocity distribution of nearby stars from Hipparcos data. II. The nature of the low-velocity moving groups. The Astrophysical Journal **717**, 617-639 (2010)

Bovy, J., I. Murray and D. W. Hogg: Dynamical inference from a kinematic snapshot: The force law in the solar system. *The Astrophysical Journal* **711**, 1157-1167 (2010)

Brink, T. G., M. Mateo and D. Martínez-Delgado: Radial velocities of galactic halo stars in Virgo. *The Astronomical Journal* **140**, 1337-1346 (2010)

Brunt, C. M., C. Federrath and D. J. Price: A method for reconstructing the variance of a 3D physical field from 2D observations: application to turbulence in the interstellar medium. *Monthly Notices of the Royal Astronomical Society* **403**, 1507-1515 (2010)

Brunt, C. M., C. Federrath and D. J. Price: A method for reconstructing the PDF of a 3D turbulent density field from 2D observations. *Monthly Notices of the Royal Astronomical Society* **405**, L56-L60 (2010)

Brusa, M., F. Civano, A. Comastri, T. Miyaji, M. Salvato, G. Zamorani, N. Cappelluti, F. Fiore, G. Hasinger, V. Mainieri, A. Merloni, A. Bongiorno, P. Capak, M. Elvis, R. Gilli, H. Hao, K. Jahnke, A. M. Koekemoer, O. Ilbert, E. Le Floc'h, E. Lusso, M. Mignoli, E. Schinnerer, J. D. Silverman, E. Treister, J. D. Trump, C. Vignali, M. Zamojski, T. Aldcroft, H. Aussel, S. Bardelli, M. Bolzonella, A. Cappi, K. Caputi, T. Contini, A. Finoguenov, A. Fruscione, B. Garilli, C. D. Impey, A. Iovino, K. Iwasawa, P. Kampczyk, J. Kartaltepe, J. P. Kneib, C. Knobel, K. Kovac, F. Lamareille, J. F. Leborgne, V. Le Brun, O. Le Fevre, S. J. Lilly, C. Maier, H. J. McCracken, R. Pello, Y. J. Peng, E. Perez-Montero, L. de Ravel, D. Sanders, M. Scoville, N. Z. Scoville, M. Tanaka, Y. Taniguchi, L. Tasca, S. de la Torre, L. Tresse, D. Vergani and E. Zucca: The XMM-Newton Wide-field Survey in the Cosmos field (XMM-COSMOS): Demography and multiwavelength properties of obscured and unobscured luminous active galactic nuclei. *The Astrophysical Journal* **716**, 348-369 (2010)

Burtscher, L., K. Meisenheimer, W. Jaffe, K. R. W. Tristram and H. J. A. Röttgering: Resolving the nucleus of Centaurus A at mid-infrared wavelengths. *Publications of the Astronomical Society of Australia* **27**, 490-495 (2010)

Calzetti, D., S. Y. Wu, S. Hong, R. C. Kennicutt, J. C. Lee, D. A. Dale, C. W. Engelbracht, L. van Zee, B. T. Draine, C. N. Hao, K. D. Gordon, J. Moustakas, E. J. Murphy, M. Regan, A. Begum, M. Block, J. Dalcanton, J. Funes, A. G. de Paz, B. Johnson, S. Sakai, E. Skillman, F. Walter, D. Weisz, B. Williams and Y. Wu: The calibration of monochromatic far-infrared star formation rate indicators. *The Astrophysical Journal* **714**, 1256-1279 (2010)

Carilli, C. L., E. Daddi, D. Riechers, F. Walter, A. Weiss, H. Dannerbauer, G. E. Morrison, J. Wagg, R. Dave, D. Elbaz, D. Stern, M. Dickinson, M. Krips and M. Aravena: Imaging the molecular gas in a submillimeter galaxy at $z = 4.05$: Cold mode accretion or a major merger? *The Astrophysical Journal* **714**, 1407-1417 (2010)

Carilli, C. L., R. Wang, X. Fan, F. Walter, J. Kurk, D. Riechers, J. Wagg, J. Hennawi, L. Jiang, K. M. Menten, F. Bertoldi, M. A. Strauss and P. Cox: Ionization near zones associated with quasars at $z \sim 6$. *The Astrophysical Journal* **714**, 834-839 (2010)

Casasola, V., L. K. Hunt, F. Combes, S. García-Burillo, F. Boone, A. Eckart, R. Neri and E. Schinnerer: Molecular gas in NUCleii of GALaxies (NUGA) XIII. The interacting Seyfert 2/LINER galaxy NGC 5953. *Astronomy and Astrophysics* **510**, 52 (2010)

Chou, M.-Y., S. R. Majewski, K. Cunha, V. V. Smith, R. J. Patterson and D. Martínez-Delgado: The chemical evolution of the Monoceros Ring/Galactic Anticenter Stellar Structure. *The Astrophysical Journal* **720**, L5-L10 (2010)

Civano, F., M. Elvis, G. Lanzuisi, K. Jahnke, G. Zamorani, L. Blecha, A. Bongiorno, M. Brusa, A. Comastri, H. Hao, A. Leauthaud, A. Loeb, V. Mainieri, E. Piconcelli, M. Salvato, N. Scoville, J. Trump, C. Vignali, T. Aldcroft, M. Bolzonella, E. Bressert, A. Finoguenov, A. Fruscione, A. M. Koekemoer, N. Cappelluti, F. Fiore, S. Giordini, R. Gilli, C. D. Impey, S. J. Lilly, E. Lusso, S. Puccetti, J. D. Silverman, H. Aussel, P. Capak, D. Frayer, E. Le Floc'h, H. J. McCracken, D. B. Sanders, D. Schiminovich and Y. Taniguchi: A runaway black hole in COSMOS: Gravitational wave or slingshot recoil? *The Astrophysical Journal* **717**, 209-222 (2010)

Clemens, M. S., A. P. Jones, A. Bressan, M. Baes, G. J. Bendo, S. Bianchi, D. J. Bomans, A. Boselli, E. Corbelli, L. Cortese, A. Dariush, J. I. Davies, I. de Looze, S. di Serego Alighieri, D. Fadda, J. Fritz, D. A. Garcia-Appadoo, G. Gavazzi, C. Giovanardi, M. Grossi, T. M. Hughes, L. K. Hunt, S. Madden, D. Pierini, M. Pohlen, S. Sabatini, M. W. L. Smith, J. Verstappen, C. Vlahakis, E. M. Xilouris and S. Zibetti: The Herschel Virgo Cluster Survey. III. A constraint on dust grain lifetime in early-type galaxies. *Astronomy and Astrophysics* **518**, id.L50 (2010)

Collins, M. L. M., S. C. Chapman, M. J. Irwin, N. F. Martin, R. A. Ibata, D. B. Zucker, A. Blain, A. M. N. Ferguson, G. F. Lewis, A. W. McConnachie and J. Peñarrubia: A Keck/DEIMOS spectroscopic survey of the faint M31 satellites AndIX, AndXI, AndXII and AndXIII Monthly Notices of the Royal Astronomical Society **407**, 2411-2433 (2010)

Cooper, M. C., A. Gallazzi, J. A. Newman and R. Yan: Galaxy assembly bias on the red sequence. Monthly Notices of the Royal Astronomical Society **402**, 1942-1958 (2010)

Coppin, K. E. K., S. C. Chapman, I. Smail, A. M. Swinbank, F. Walter, J. L. Wardlow, A. Weiss, D. M. Alexander, W. N. Brandt, H. Dannerbauer, C. De Breuck, M. Dickinson, J. S. Dunlop, A. C. Edge, B. H. C. Emonts, T. R. Greve, M. Huynh, R. J. Ivison, K. K. Knudsen, K. M. Menten, E. Schinnerer and P. P. van der Werf: Detection of molecular gas in a distant submillimetre galaxy at $z = 4.76$ with Australia Telescope Compact Array. Monthly Notices of the Royal Astronomical Society **407**, L103-L107 (2010)

Cortese, L., J. I. Davies, M. Baes, G. J. Bendo, S. Bianchi, A. Boselli, I. de Looze, J. Fritz, J. Verstappen, D. J. Bomans, M. Clemens, E. Corbelli, A. Dariush, S. di Serego Alighieri, D. Fadda, D. A. Garcia-Appadoo, G. Gavazzi, C. Giovanardi, M. Grossi, T. M. Hughes, L. K. Hunt, A. P. Jones, S. Madden, D. Pierini, S. Sabatini, M. W. L. Smith, C. Vlahakis, E. M. Xilouris and S. Zibetti: The Herschel Virgo Cluster Survey. II. Truncated dust disks in H I-deficient spirals. Astronomy and Astrophysics **518**, id.L49 (2010)

Daddi, E., F. Bournaud, F. Walter, H. Dannerbauer, C. L. Carilli, M. Dickinson, D. Elbaz, G. E. Morrison, D. Riechers, M. Onodera, F. Salmi, M. Krips and D. Stern: Very high gas fractions and extended gas reservoirs in $z = 1.5$ disk galaxies. The Astrophysical Journal **713**, 686-707 (2010)

Daddi, E., D. Elbaz, F. Walter, F. Bournaud, F. Salmi, C. Carilli, H. Dannerbauer, M. Dickinson, P. Monaco and D. Riechers: Different star formation laws for disks versus starbursts at low and high redshifts. The Astrophysical Journal **714**, L118-L122 (2010)

Davies, J. I., M. Baes, G. J. Bendo, S. Bianchi, D. J. Bomans, A. Boselli, M. Clemens, E. Corbelli, L. Cortese, A. Dariush, I. de Looze, S. di Serego Alighieri, D. Fadda, J. Fritz, D. A. Garcia-Appadoo, G. Gavazzi, C. Giovanardi, M. Grossi, T. M. Hughes, L. K. Hunt, A. P. Jones, S. Madden, D. Pierini, M. Pohlen, S. Sabatini, M. W. L. Smith, J. Verstappen, C. Vlahakis, E. M. Xilouris and S. Zibetti: The Herschel Virgo Cluster Survey. I. Luminosity function. Astronomy and Astrophysics **518**, id.L48 (2010)

de Jong, J. T. A., N. F. Martin, H.-W. Rix, K. W. Smith, S. Jin and A. V. Maccio: The enigmatic pair of dwarf galaxies Leo IV and Leo V: coincidence or common origin? The Astrophysical Journal **710**, 1664-1671 (2010)

de Jong, J. T. A., B. Yanny, H. W. Rix, A. E. Dolphin, N. F. Martin and T. C. Beers: Mapping the stellar structure of the Milky Way thick disk and halo using SEGUE photometry. The Astrophysical Journal **714**, 663-674 (2010)

de Looze, I., M. Baes, S. Zibetti, J. Fritz, L. Cortese, J. I. Davies, J. Verstappen, G. J. Bendo, S. Bianchi, M. Clemens, D. J. Bomans, A. Boselli, E. Corbelli, A. Dariush, S. di Serego Alighieri, D. Fadda, D. A. Garcia-Appadoo, G. Gavazzi, C. Giovanardi, M. Grossi, T. M. Hughes, L. K. Hunt, A. P. Jones, S. Madden, D. Pierini, M. Pohlen, S. Sabatini, M. W. L. Smith, C. Vlahakis and E. M. Xilouris: The Herschel Virgo Cluster Survey . VII. Dust in cluster dwarf elliptical galaxies. Astronomy and Astrophysics **518**, id.L54 (2010)

Decarli, R., M. Dotti, C. Montuori, T. Liimets and A. Ederoclite: The peculiar optical spectrum of 4C+22.25: Imprint of a massive black hole binary? The Astrophysical Journal Letters **720**, L93-L96 (2010)

Decarli, R., R. Falomo, A. Treves and M. Barattini: A quasar companion to the puzzling quasar SDSS J0927+2943. Astronomy and Astrophysics **511**, id.A27 (2010)

Decarli, R., R. Falomo, A. Treves, M. Labita, J. K. Kotilainen and R. Scarpa: The quasar MBH-Mhost relation through cosmic time - II. Evidence for evolution from $z = 3$ to the present age. Monthly Notices of the Royal Astronomical Society **402**, 2453-2461 (2010)

Demarco, R., R. Gobat, P. Rosati, C. Lidman, A. Rettura, M. Nonino, A. van der Wel, M. J. Jee, J. P. Blakeslee, H. C. Ford and M. Postman: Star formation histories in a cluster environment at $z \sim 0.84$. The Astrophysical Journal **725**, 1252-1276 (2010)

Demarco, R., G. Wilson, A. Muzzin, M. Lacy, J. Surace, H. K. C. Yee, H. Hoekstra, K. Blindert

and D. Gilbank: Spectroscopic confirmation of three red-sequence selected galaxy clusters at $z = 0.87$, 1.16 , and 1.21 from the SpARCS Survey. *The Astrophysical Journal* **711**, 1185-1197 (2010)

Démoclès, J., G. W. Pratt, D. Pierini, M. Arnaud, S. Zibetti and E. D'Onghia: Testing adiabatic contraction of dark matter in fossil group candidates. *Astronomy and Astrophysics* **517**, id.A52 (2010)

Dessauges-Zavadsky, M., S. D'Odorico, D. Schaerer, A. Modigliani, C. Tapken and J. Vernet: Rest-frame ultraviolet spectrum of the gravitationally lensed galaxy "the 8 o'clock arc": stellar and interstellar medium properties. *Astronomy and Astrophysics* **510**, id.A26 (2010)

Dierickx, M., R. Klement, H.-W. Rix and C. Liu: Observational evidence from SDSS for a merger origin of the Milky Way's thick disk. *The Astrophysical Journal* **725**, L186-L190 (2010)

Doherty, M., M. Tanaka, C. De Breuck, C. Ly, T. Kodama, J. Kurk, N. Seymour, J. Vernet, D. Stern, B. Venemans, M. Kajisawa and I. Tanaka: Optical and near-IR spectroscopy of candidate red galaxies in two $z \sim 2.5$ proto-clusters. *Astronomy and Astrophysics* **509**, id.A83 (2010)

Dumas, G., E. Schinnerer and C. G. Mundell: Cold molecular gas in the inner two kiloparsecs of NGC 4151. *The Astrophysical Journal* **721**, 911-920 (2010)

Dunlop, J. S., P. A. R. Ade, J. J. Bock, E. L. Chapin, M. Cirasuolo, K. E. K. Coppin, M. J. Devlin, M. Griffin, T. R. Greve, J. O. Gundersen, M. Halpern, P. C. Hargrave, D. H. Hughes, R. J. Ivison, J. Klein, A. Kovacs, G. Marsden, P. Mauskopf, C. B. Netterfield, L. Olmi, E. Pascale, G. Patanchon, M. Rex, D. Scott, C. Semisch, I. Smail, T. A. Targett, N. Thomas, M. D. P. Truch, C. Tucker, G. S. Tucker, M. P. Viero, F. Walter, J. L. Wardlow, A. Weiss and D. V. Wiebe: The BLAST 250 μm -selected galaxy population in GOODS-South. *Monthly Notices of the Royal Astronomical Society* **408**, 2022-2050 (2010)

Dvorak, R., E. Pilat-Lohinger, E. Bois, R. Schwarz, B. Funk, C. Beichman, W. Danchi, C. Eiroa, M. Fridlund, T. Henning, T. Herbst, L. Kaltenegger, H. Lammer, A. Léger, R. Liseau, J. Lunine, F. Paresce, A. Penny, A. Quirrenbach, H. Röttgering, F. Selsis, J. Schneider, D. Stam, G. Tinetti and G. J. White: Dynamical habitability of planetary systems. *Astrobiology* **10**, 33-43 (2010)

Eisner, J. A., J. D. Monnier, J. Woillez, R. L. Akeson, R. Millan-Gabet, J. R. Graham, L. A. Hillenbrand, J. U. Pott, S. Ragland and P. Wizinowich: Spatially and spectrally resolved hydrogen gas within 0.1 AU of T Tauri and Herbig Ae/Be stars. *The Astrophysical Journal* **718**, 774-794 (2010)

Engelbracht, C. W., 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. Beirão, B. R. Brandl, K. V. Croxall, D. A. Dale, B. T. Draine, G. Dumas, A. Gil de Paz, B. Groves, C. N. Hao, 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 and S. Zibetti: Enhanced dust heating in the bulges of early-type spiral galaxies. *Astronomy and Astrophysics* **518**, id.L56 (2010)

Federrath, C., R. Banerjee, P. C. Clark and R. S. Klessen: Modeling collapse and accretion in turbulent gas clouds: Implementation and comparison of sink particles in AMR and SPH. *The Astrophysical Journal* **713**, 269-290 (2010)

Federrath, C., J. Roman-Duval, R. S. Klessen, W. Schmidt and M. M. Mac Low: Comparing the statistics of interstellar turbulence in simulations and observations. Solenoidal versus compressive turbulence forcing. *Astronomy and Astrophysics* **512**, id.A81 (2010)

Finn, R. A., V. Desai, G. Rudnick, B. Poggianti, E. F. Bell, J. Hinz, P. Jablonka, B. Milvang-Jensen, J. Moustakas, K. Rines and D. Zaritsky: Dust-obscured star formation in intermediate redshift galaxy clusters. *The Astrophysical Journal* **720**, 87-98 (2010)

Fontanot, F. and P. Monaco: The active and passive populations of extremely red objects. *Monthly Notices of the Royal Astronomical Society* **405**, 705-717 (2010)

Foyle, K., H.-W. Rix and S. Zibetti: An observational estimate for the mean secular evolution rate in spiral galaxies. *Monthly Notices of the Royal Astronomical Society* **407**, 163-180 (2010)

Foyle, K., H. W. Rix, F. Walter and A. K. Leroy: Arm and interarm star formation in spiral galaxies. The Astrophysical Journal **725**, 534-541 (2010)

Fridlund, M., C. Eiroa, T. Henning, T. Herbst, L. Kaltenegger, A. Léger, R. Liseau, H. Lammer, F. Selsis, C. Beichman, W. Danchi, J. Lunine, F. Paresce, A. Penny, A. Quirrenbach, H. Röttgering, J. Schneider, D. Stam, G. Tinetti and G. J. White: A roadmap for the detection and characterization of other earths. Astrobiology **10**, 113-119 (2010)

Fridlund, M., C. Eiroa, T. Henning, T. Herbst, H. Lammer, A. Léger, R. Liseau, F. Paresce, A. Penny, A. Quirrenbach, H. Röttgering, F. Selsis, G. J. White, O. Absil, J. Defrè Schneider, G. Tinetti, A. Karlsson, P. Gondoin, R. den Hartog, L. D'Arcio, A.-M. Stankov, M. Kilter, C. Erd, C. Beichman, D. Coulter, W. Danchi, M. Devirian, K. J. Johnston, P. Lawson, O. P. Lay, J. Lunine and L. Kaltenegger: The search for worlds like our own. Astrobiology **10**, 5-17 (2010)

Gallo, E., T. Treu, P. J. Marshall, J. H. Woo, C. Leipski and R. Antonucci: AMUSE-Virgo. II. Down-sizing in black hole accretion. The Astrophysical Journal **714**, 25-36 (2010)

Gan, J., X. Kang, F. C. van den Bosch and J. Hou: An improved model for the dynamical evolution of dark matter subhaloes. Monthly Notices of the Royal Astronomical Society **408**, 2201-2212 (2010)

García-Burillo, S., A. Usero, A. Fuente, J. Martín-Pintado, F. Boone, S. Aalto, M. Krips, R. Neri, E. Schinnerer and L. J. Tacconi: Molecular gas chemistry in AGN. II. High-resolution imaging of SiO emission in NGC 1068: shocks or XDR? Astronomy and Astrophysics **519**, id.A2 (2010)

Giocoli, C., M. Bartelmann, R. K. Sheth and M. Cacciato: Halo model description of the non-linear dark matter power spectrum at $k \gg 1 \text{ Mpc}^{-1}$. Monthly Notices of the Royal Astronomical Society **408**, 300-313 (2010)

Giordini, S., V. Smolcic, A. Finoguenov, H. Boehringer, L. Birzan, G. Zamorani, A. Oklopčić, D. Pierini, G. W. Pratt, E. Schinnerer, R. Massey, A. M. Koekemoer, M. Salvato, D. B. Sanders, J. S. Kartaltepe and D. Thompson: Radio galaxy feedback in X-ray-selected groups from COSMOS: The effect on the intracluster medium. The Astrophysical Journal **714**, 218-228 (2010)

Glushkova, E. V., S. E. Koposov, I. Y. Zolotukhin, Y. V. Beletsky, A. D. Vlasov and S. I. Leonova: Automated search for star clusters in large multiband surveys: II. Discovery and investigation of open clusters in the galactic plane. Astronomy Letters **36**, 75-85 (2010)

Glushkova, E. V., M. V. Zabolotskikh, S. E. Koposov, O. I. Spiridonova, V. V. Vlasuk and A. S. Rastorguev: Photometry of the poorly studied galactic open star clusters King 13, King 18, King 19, King 20, NGC 136, and NGC 7245. Astronomy Letters **36**, 14-26 (2010)

González-Alfonso, E., 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. R. Greve, J. Martín-Pintado, D. A. Naylor, 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. Astronomy and Astrophysics **518**, id.L43 (2010)

Gouliermis, D. A., S. Schmeja, R. S. Klessen, W. J. G. de Blok and F. Walter: Hierarchical Stellar Structures in the Local Group Dwarf Galaxy NGC 6822. The Astrophysical Journal **725**, 1717-1734 (2010)

Grenfell, J. L., H. Rauer, F. Selsis, L. Kaltenegger, C. Beichman, W. Danchi, C. Eiroa, M. Fridlund, T. Henning, T. Herbst, H. Lammer, A. Léger, R. Liseau, J. Lunine, F. Paresce, A. Penny, A. Quirrenbach, H. Röttgering, J. Schneider, D. Stam, G. Tinetti and G. J. White: Co-evolution of atmospheres, life, and climate. Astrobiology **10**, 77-88 (2010)

Greve, T. R., A. Weiß, F. Walter, I. Smail, X. Z. Zheng, K. K. Knudsen, K. E. K. Coppin, A. Kovács, E. F. Bell, C. de Breuck, H. Dannerbauer, M. Dickinson, E. Gawiser, D. Lutz, H. W. Rix, E. Schinnerer, D. Alexander, F. Bertoldi, N. Brandt, S. C. Chapman, R. J. Ivison, A. M. Koekemoer, E. Kreysa, P. Kurczynski, K. Menten, G. Siringo, M. Swinbank and P. van der Werf: A LABOCA Survey of the Extended CHANDRA Deep Field South-Submillimeter properties of near-infrared selected galaxies. The Astrophysical Journal **719**, 483-496 (2010)

Grossi, M., L. K. Hunt, S. Madden, C. Vlahakis, D. J. Bomans, M. Baes, G. J. Bendo, S. Bianchi, A. Boselli, M. Clemens, E. Corbelli, L. Cortese, A. Dariush, J. I. Davies, I. de Looze, S. di

Serego Alighieri, D. Fadda, J. Fritz, D. A. Garcia-Appadoo, G. Gavazzi, C. Giovanardi, T. M. Hughes, A. P. Jones, D. Pierini, M. Pohlen, S. Sabatini, M. W. L. Smith, J. Verstappen, E. M. Xilouris and S. Zibetti: The Herschel Virgo Cluster Survey. V. Star-forming dwarf galaxies – dust in metal-poor environments. Astronomy and Astrophysics **518**, id.L52 (2010)

Gustafsson, M., L. E. Kristensen, M. Kasper and T. M. Herbst: The origin, excitation, and evolution of subarcsecond outflows near T Tauri. Astronomy and Astrophysics **517**, id.A19 (2010)

Gustafsson, M., T. Rakilde, L. E. Kristensen, S. Cabrit, D. Field and G. P. des Forets: 3D model of bow shocks. Astronomy and Astrophysics **513**, id.A5 (2010)

Györy, Z. and E. F. Bell: Testing a prediction of the merger origin of early-type galaxies: a correlation between stellar populations and asymmetry. The Astrophysical Journal **724**, 694-713 (2010)

Harrigan, M. J., H. J. Newberg, L. A. Newberg, B. Yanny, T. C. Beers, Y. S. Lee and P. Re Fiorentin: Statistical properties of blue horizontal branch stars in the spheroid: detection of a moving group \sim 50kpc from the Sun. Monthly Notices of the Royal Astronomical Society **405**, 1796-1808 (2010)

Henkel, C., D. Downes, A. Weiβ, D. Riechers and F. Walter: Weak 13CO in the Cloverleaf quasar: evidence for a young, early generation starburst. Astronomy and Astrophysics **516**, id.A111 (2010)

Hennawi, J. F., A. D. Myers, Y. Shen, M. A. Strauss, S. G. Djorgovski, X. Fan, E. Glikman, A. Mahabal, C. L. Martin, G. T. Richards, D. P. Schneider and F. Shankar: Binary quasars at high redshift. I. 24 new quasar pairs at $z \sim 3$ -4. The Astrophysical Journal **719**, 1672-1692 (2010)

Hogg, D. W., A. D. Myers and J. Bovy: Inferring the eccentricity distribution. The Astrophysical Journal **725**, 2166-2175 (2010)

Holden, B. P., A. van der Wel, D. D. Kelson, M. Franx and G. D. Illingworth: M/LB and color evolution for a deep sample of M cluster galaxies at $z \sim 1$: The formation epoch and the tilt of the fundamental plane. The Astrophysical Journal **724**, 714-729 (2010)

Husemann, B., S. F. Sánchez, L. Wisotzki, K. Jahnke, D. Kupko, D. Nugroho and M. Schramm: Mapping the ionised gas around the luminous QSO HE 1029-1401: evidence for minor merger events? Astronomy and Astrophysics **519**, id.A115 (2010)

Inada, N., M. Oguri, M.-S. Shin, I. Kayo, M. A. Strauss, J. F. Hennawi, T. Morokuma, R. H. Becker, R. L. White, C. S. Kochanek, M. D. Gregg, K. Chiu, D. E. Johnston, A. Clocchiatti, G. T. Richards, D. P. Schneider, J. A. Frieman, M. Fukugita, J. R. Gott, P. B. Hall, D. G. York, F. J. Castander and N. A. Bahcall: The Sloan Digital Sky Survey quasar lens search. IV. Statistical lens sample from the fifth data release. The Astronomical Journal **140**, 403-415 (2010)

Inskip, K. J., C. N. Tadhunter, R. Morganti, J. Holt, C. Ramos Almeida and D. Dicken: A near-IR study of the host galaxies of 2 Jy radio sources at $0.03 < z < 0.5$ - I. The data. Monthly Notices of the Royal Astronomical Society **407**, 1739-1766 (2010)

Ivison, R. J., D. M. Alexander, A. D. Biggs, W. N. Brandt, E. L. Chapin, K. E. K. Coppin, M. J. Devlin, M. Dickinson, J. Dunlop, S. Dye, S. A. Eales, D. T. Frayer, M. Halpern, D. H. Hughes, E. Ibar, A. Kovács, G. Marsden, L. Moncelsi, C. B. Netterfield, E. Pascale, G. Patanchon, D. A. Rafferty, M. Rex, E. Schinnerer, D. Scott, C. Semisch, I. Smail, A. M. Swinbank, M. D. P. Truch, G. S. Tucker, M. P. Viero, F. Walter, A. Weiβ, D. V. Wiebe and Y. Q. Xue: BLAST: the far-infrared/radio correlation in distant galaxies. Monthly Notices of the Royal Astronomical Society **402**, 245-258 (2010)

Jiang, L., X. Fan, W. N. Brandt, C. L. Carilli, E. Egami, D. C. Hines, J. D. Kurk, G. T. Richards, Y. Shen, M. A. Strauss, M. Vestergaard and F. Walter: Dust-free quasars in the early Universe. Nature **464**, 380-383 (2010)

Kaltenegger, L., C. Eiroa, I. Ribas, F. Paresce, M. Leitzinger, P. Odert, A. Hanslmeier, M. Fridlund, H. Lammer, C. Beichman, W. Danchi, T. Henning, T. Herbst, A. Léger, R. Liseau, J. Lunine, A. Penny, A. Quirrenbach, H. Röttgering, F. Selsis, J. Schneider, D. Stam, G. Tinetti and G. J. White: Stellar aspects of habitability - characterizing target stars for terrestrial planet-finding missions. Astrobiology **10**, 103-112 (2010)

Kaltenegger, L., F. Selsis, M. Fridlund, H. Lammer, C. Beichman, W. Danchi, C. Eiroa, T.

Henning, T. Herbst, A. Léger, R. Liseau, J. Lunine, F. Paresce, A. Penny, A. Quirrenbach, H. Röttgering, J. Schneider, D. Stam, G. Tinetti and G. J. White: Deciphering spectral fingerprints of habitable exoplanets. *Astrobiology* **10**, 89-102 (2010)

Kang, X., W. P. Lin, R. Skibba and D. N. Chen: Galaxy formation with cold gas accretion and evolving stellar initial mass function. *The Astrophysical Journal* **713**, 1301-1309 (2010)

Kartaltepe, J. S., D. B. Sanders, E. Le Floc'h, D. T. Frayer, H. Aussel, S. Arnouts, O. Ilbert, M. Salvato, N. Z. Scoville, J. Surace, L. Yan, M. Brusa, P. Capak, K. Caputi, C. M. Carollo, F. Civano, M. Elvis, C. Faure, G. Hasinger, A. M. Koekemoer, N. Lee, S. Lilly, C. T. Liu, H. J. McCracken, E. Schinnerer, V. Smolcic, Y. Taniguchi, D. J. Thompson and J. Trump: A multiwavelength study of a sample of 70 μm selected galaxies in the COSMOS field. I. Spectral energy distributions and luminosities. *The Astrophysical Journal* **709**, 572-596 (2010)

Kartaltepe, J. S., D. B. Sanders, E. Le Floc'h, D. T. Frayer, H. Aussel, S. Arnouts, O. Ilbert, M. Salvato, N. Z. Scoville, J. Surace, L. Yan, P. Capak, K. Caputi, C. M. Carollo, P. Cassata, F. Civano, G. Hasinger, A. M. Koekemoer, O. Le Fèvre, S. Lilly, C. T. Liu, H. J. McCracken, E. Schinnerer, V. Smolcic, Y. Taniguchi, D. J. Thompson, J. Trump, V. F. Baldassare and S. L. Fiorenza: A multiwavelength study of a sample of 70 μm selected galaxies in the COSMOS Field. II. The role of mergers in galaxy evolution. *The Astrophysical Journal* **721**, 98-123 (2010)

Kelly, B. C., M. Vestergaard, X. Fan, P. Hopkins, L. Hernquist and A. Siemiginowska: Constraints on black hole growth, quasar lifetimes, and Eddington ratio distributions from the SDSS broad-line quasar black hole mass function. *The Astrophysical Journal* **719**, 1315-1334 (2010)

Kemper, F., P. M. Woods, V. Antoniou, J. P. Bernard, R. D. Blum, M. L. Boyer, J. Chan, C. H. R. Chen, M. Cohen, C. Dijkstra, C. Engelbracht, M. Galametz, F. Galliano, C. Gielen, K. D. Gordon, V. Gorjian, J. Harris, S. Hony, J. L. Hora, R. Indebetouw, O. Jones, A. Kawamura, E. Lagadec, B. Lawton, J. M. Leisenring, S. C. Madden, M. Marengo, M. Matsuura, I. McDonald, C. McGuire, M. Meixner, A. J. Mulia, B. O'Halloran, J. M. Oliveira, R. Paladini, D. Paradis, W. T. Reach, D. Rubin, K. Sandstrom, B. A. Sargent, M. Sewilo, B. Shiao, G. C. Sloan, A. K. Speck, S. Srinivasan, R. Szczerba, A. Tiensens, E. van Aarle, S. D. Van Dyk, J. T. van Loon, H. Van Winckel, U. P. Vrijen, K. Volk, B. A. Whitney, A. N. Wilkins and A. A. Zijlstra: The SAGE-Spec SPITZER Legacy program: The life cycle of dust and gas in the Large Magellanic Cloud. *Publications of the Astronomical Society of the Pacific* **122**, 683-700 (2010)

Klement, R. J.: Halo streams in the solar neighborhood. *The Astronomy and Astrophysics Review* **18**, 567-594 (2010)

Koester, B. P., M. D. Gladders, J. F. Hennawi, K. Sharon, E. Wuyts, J. R. Rigby, M. B. Bayliss and H. Dahle: Two lensed $z \sim= 3$ Lyman break galaxies discovered in the SDSS Giant Arcs Survey. *The Astrophysical Journal* **723**, L73-L77 (2010)

Koposov, S. E., H.-W. Rix and D. W. Hogg: Constraining the Milky Way potential with a six-dimensional phase-space map of the GD-1 stellar stream. *The Astrophysical Journal* **712**, 260-273 (2010)

Kovac, K., C. Knobel, M. Bolzonella, A. Iovino, C. M. Carollo, C. Scarlata, M. Sargent, O. Cucciati, G. Zamorani, L. Pozzetti, L. A. M. Tasca, M. Scuderi, P. Kampczyk, Y. Peng, P. Oesch, E. Zucca, A. Finoguenov, T. Contini, J. P. Kneib, O. Le Fèvre, V. Mainieri, A. Renzini, S. Bardelli, A. Bongiorno, K. Caputi, G. Coppa, S. de la Torre, L. de Ravel, P. Franzetti, B. Garilli, F. Lamareille, J. F. Le Borgne, V. Le Brun, C. Maier, M. Mignoli, R. Pello, E. Perez Montero, E. Ricciardelli, J. D. Silverman, M. Tanaka, L. Tresse, D. Vergani, U. Abbas, D. Bottini, A. Cappi, P. Cassata, A. Cimatti, M. Fumana, L. Guzzo, A. M. Koekemoer, A. Leauthaud, D. Maccagni, C. Marinoni, H. J. McCracken, P. Memeo, B. Meneux, C. Porciani, R. Scaramella and N. Z. Scoville: The 10k zCosmos: Morphological transformation of galaxies in the group environment since $z \sim 1$. *The Astrophysical Journal* **718**, 86-104 (2010)

Kovács, A., A. Omont, A. Beelen, C. Lonsdale, M. Polletta, N. Fiolet, T. R. Greve, C. Borys, P. Cox, C. De Breuck, H. Dole, C. D. Dowell, D. Farrah, G. Lagache, K. M. Menten, T. A. Bell and F. Owen: Far-infrared properties of SPITZER-selected luminous starbursts. *The Astrophysical Journal* **717**, 29-39 (2010)

Kunneriath, D., G. Witzel, A. Eckart, M. Zamaninasab, R. Gießübel, R. Schödel, F. K. Baganoff, M. R. Morris, M. Dovciak, W. J. Duschl, M. García-Marín, V. Karas, S. König, T. P. Krichbaum, M. Krips, R. S. Lu, J. Mauerhan, J. Moustaka, K. Mužić, N. Sabha, F. Najarro, J. U. Pott, K. F. Schuster, L. O. Sjouwerman, C. Straubmeier, C. Thum, S. N. Vogel, P. Teuben, A. Weiss, H.

Wiesemeyer and J. A. Zensus: Coordinated NIR/mm observations of flare emission from Sagittarius A. Astronomy and Astrophysics* **517**, id.A46 (2010)

Kuntschner, H., E. Emsellem, R. Bacon, M. Cappellari, R. L. Davies, P. T. de Zeeuw, J. Falcón-Barroso, D. Krajnovic, R. M. McDermid, R. F. Peletier, M. Sarzi, K. L. Shapiro, R. C. E. van den Bosch and G. van de Ven: The SAURON project – XVII. Stellar population analysis of the absorption line strength maps of 48 early-type galaxies. Monthly Notices of the Royal Astronomical Society **408**, 97-132 (2010)

Lammer, H., F. Selsis, E. Chassefière, D. Breuer, J.-M. Grießmeier, Y. N. Kulikov, N. V. Erkaev, M. L. Khodachenko, H. K. Biernat, F. Leblanc, E. Kallio, R. Lundin, F. Westall, S. J. Bauer, C. Beichman, W. Danchi, C. Eiroa, M. Fridlund, H. Gröller, A. Hanslmeier, W. Hausleitner, T. Henning, T. Herbst, L. Kaltenegger, A. Léger, M. Leitzinger, H. I. M. Lichtenegger, R. Liseau, J. Lunine, U. Motschmann, P. Odert, F. Paresce, J. Parnell, A. Penny, A. Quirrenbach, H. Rauer, H. Röttgering, J. Schneider, T. Spohn, A. Stadelmann, G. Stangl, D. Stam, G. Tinetti and G. J. White: Geophysical and atmospheric evolution of habitable planets. Astrobiology **10**, 45-68 (2010)

Lang, D., D. W. Hogg, K. Mierle, M. Blanton and S. Roweis: Astrometry.net: Blind astrometric calibration of arbitrary astronomical images. The Astronomical Journal **139**, 1782-1800 (2010)

Lee, W. H., E. Ramirez-Ruiz and G. van de Ven: Short gamma-ray bursts from dynamically assembled compact binaries in globular clusters: Pathways, rates, hydrodynamics, and cosmological setting. The Astrophysical Journal **720**, 953-975 (2010)

Lusso, E., A. Comastri, C. Vignali, G. Zamorani, M. Brusa, R. Gilli, K. Iwasawa, M. Salvato, F. Civano, M. Elvis, A. Merloni, A. Bongiorno, J. R. Trump, A. M. Koekemoer, E. Schinnerer, E. Le Floc'h, N. Cappelluti, K. Jahnke, M. Sargent, J. Silverman, V. Mainieri, F. Fiore, M. Bolzonella, O. Le Fèvre, B. Garilli, A. Iovino, J. P. Kneib, F. Lamareille, S. Lilly, M. Mignoli, M. Scoveggio and D. Vergani: The X-ray to optical-UV luminosity ratio of X-ray selected type 1 AGN in XMM-COSMOS. Astronomy and Astrophysics **512**, id.A34 (2010)

Lutz, D., 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. Förster Schreiber, E. Gawiser, R. Genzel, T. R. Greve, R. J. Ivison, A. M. Koekemoer, P. Kurczynski, K. M. Menten, R. Nordon, P. Popesso, E. Schinnerer, J. D. Silverman, J. Wardlow and Y. Q. Xue: The LABOCA Survey of the Extended CHANDRA Deep Field South: Two modes of star formation in active galactic nucleus hosts? The Astrophysical Journal **712**, 1287-1301 (2010)

Maccio, A. V. and F. Fontanot: How cold is dark matter? Constraints from Milky Way satellites. Monthly Notices of the Royal Astronomical Society **404**, L16-L20 (2010)

Macciò, A. V., X. Kang, F. Fontanot, R. S. Somerville, S. Koposov and P. Monaco: Luminosity function and radial distribution of Milky Way satellites in a Δ CDM Universe. Monthly Notices of the Royal Astronomical Society **403**, 1995-2008 (2010)

Mackey, A. D., A. M. N. Ferguson, M. J. Irwin, N. F. Martin, A. P. Huxor, N. R. Tanvir, S. C. Chapman, R. A. Ibata, G. F. Lewis and A. W. McConnachie: Deep Gemini/GMOS imaging of an extremely isolated globular cluster in the Local Group. Monthly Notices of the Royal Astronomical Society **401**, 533-546 (2010)

Maltby, D. T., A. Aragón-Salamanca, M. E. Gray, M. Barden, B. Häußler, C. Wolf, C. Y. Peng, K. Jahnke, D. H. McIntosh, A. Böhm and V. E. Kampen: The environmental dependence of the stellar-mass-size relation in STAGES galaxies. Monthly Notices of the Royal Astronomical Society **402**, (2010)

Martin, C. L., E. Scannapieco, S. L. Ellison, J. F. Hennawi, S. G. Djorgovski and A. P. Fournier: The size and origin of metal-enriched regions in the intergalactic medium from spectra of binary quasars. The Astrophysical Journal **721**, 174-192 (2010)

Martin, N. F. and S. Jin: The Hercules satellite: A stellar stream in the Milky Way halo? The Astrophysical Journal **721**, 1333-1339 (2010)

Martin, N. F. and F. Martin: From Galactic archeology to soil metagenomics – surfing on massive data streams. New Phytologist **185**, 343-348 (2010)

Martínez-Delgado, D., R. J. Gabany, K. Crawford, S. Zibetti, S. R. Majewski, H.-W. Rix, J. Fliri, J. A. Carballo-Bello, D. C. Bardalez-Gagliuffi, J. Peñarrubia, B. Madore, I. Trujillo, M. Schirmer

and D. A. McDavid: Stellar tidal streams in spiral galaxies of the local volume: A pilot survey with modest aperture telescopes. *The Astronomical Journal* **140**, 962-967 (2010)

Mentuch, E., R. G. Abraham and S. Zibetti: A simple connection between the near- and mid-infrared emission of galaxies and their star formation rates. *The Astrophysical Journal* **725**, 1971-1983 (2010)

Merloni, A., A. Bongiorno, M. Bolzonella, M. Brusa, F. Civano, A. Comastri, M. Elvis, F. Fiore, R. Gilli, H. Hao, K. Jahnke, A. M. Koekemoer, E. Lusso, V. Mainieri, M. Mignoli, T. Miyaji, A. Renzini, M. Salvato, J. Silverman, J. Trump, C. Vignali, G. Zamorani, P. Capak, S. J. Lilly, D. Sanders, Y. Taniguchi, S. Bardelli, C. M. Carollo, K. Caputi, T. Contini, G. Coppa, O. Cucciati, S. de la Torre, L. de Ravel, P. Franzetti, B. Garilli, G. Hasinger, C. Impey, A. Iovino, K. Iwasawa, P. Kampczyk, J. P. Kneib, C. Knobel, K. Kovac, F. Lamareille, J. F. Le Borgne, V. Le Brun, O. Le Fèvre, C. Maier, R. Pello, Y. Peng, E. Perez Montero, E. Ricciardelli, M. Scudeggio, M. Tanaka, L. A. M. Tasca, L. Tresse, D. Vergani and E. Zucca: On the cosmic evolution of the scaling relations between black holes and their host galaxies: broad-line active galactic nuclei in the zCOSMOS survey. *The Astrophysical Journal* **708**, 137-157 (2010)

Moster, B. P., A. V. Maccio, R. S. Somerville, P. H. Johansson and T. Naab: Can gas prevent the destruction of thin stellar discs by minor mergers? *Monthly Notices of the Royal Astronomical Society* **403**, 1009-1019 (2010)

Moster, B. P., R. S. Somerville, C. Maulbetsch, F. C. van den Bosch, A. V. Maccio, T. Naab and L. Oser: Constraints on the relationship between stellar mass and halo mass at low and high redshift. *The Astrophysical Journal* **710**, 903-923 (2010)

Murphy, E. J., G. Helou, J. J. Condon, E. Schinnerer, J. L. Turner, R. Beck, B. S. Mason, R. R. Chary and L. Armus: The detection of anomalous dust emission in the nearby galaxy NGC 6946. *The Astrophysical Journal* **709**, L108-L113 (2010)

Neistein, E., A. V. Macciò and A. Dekel: Universal merger histories of dark-matter haloes. *Monthly Notices of the Royal Astronomical Society* **403**, 984-995 (2010)

Oesch, P. A., C. M. Carollo, R. Feldmann, O. Hahn, S. J. Lilly, M. T. Sargent, C. Scarlata, M. C. Aller, H. Aussel, M. Bolzonella, T. Bschorr, K. Bundy, P. Capak, O. Ilbert, J. P. Kneib, A. M. Koekemoer, K. Kovac, A. Leauthaud, E. Le Floc'h, R. Massey, H. J. McCracken, L. Pozzetti, A. Renzini, J. Rhodes, M. Salvato, D. B. Sanders, N. Scoville, K. Sheth, Y. Taniguchi and D. Thompson: The buildup of the Hubble sequence in the COSMOS field *The Astrophysical Journal Letters* **714**, L47-L51 (2010)

Oklopčić, A., V. Smolčić, S. Giordini, G. Zamorani, L. Bîrzan, E. Schinnerer, C. L. Carilli, A. Finoguenov, S. Lilly, A. Koekemoer and N. Z. Scoville: Identifying dynamically young galaxy groups via Wide-angle tail galaxies: A case study in the COSMOS field at $z = 0.53$. *The Astrophysical Journal* **713**, 484-490 (2010)

Pasetto, S., E. K. Grebel, P. Berczik, R. Spurzem and W. Dehnen: Isolated dwarf galaxies: from cuspy to flat dark matter density profiles and metallicity gradients. *Astronomy and Astrophysics* **514**, id.A47 (2010)

Pasquali, A., A. Gallazzi, F. Fontanot, F. C. van den Bosch, G. De Lucia, H. J. Mo and X. Yang: Ages and metallicities of central and satellite galaxies: implications for galaxy formation and evolution. *Monthly Notices of the Royal Astronomical Society* **407**, 937-954 (2010)

Peñarrubia, J., V. Belokurov, N. W. Evans, D. Martínez-Delgado, G. Gilmore, M. Irwin, M. Niederste-Ostholt and D. B. Zucker: Was the progenitor of the Sagittarius stream a disc galaxy? *Monthly Notices of the Royal Astronomical Society* **408**, L26-L30 (2010)

Peng, C. Y., L. C. Ho, C. D. Impey and H.-W. Rix: Detailed decomposition of galaxy images. II. Beyond axisymmetric models. *The Astronomical Journal* **139**, 2097-2129 (2010)

Perlman, E. S., C. A. Padgett, M. Georganopoulos, D. M. Worrall, J. H. Kastner, G. Franz, M. Birkinshaw, F. Dulwich, C. P. O'Dea, S. A. Baum, W. B. Sparks, J. A. Biretta, L. Lara, S. Jester and A. Martel: A multi-wavelength spectral and polarimetric study of the jet of 3C 264. *The Astrophysical Journal* **708**, 171-187 (2010)

Pettini, M., L. Christensen, S. D'Odorico, V. Belokurov, N. W. Evans, P. C. Hewett, S. Koposov, E. Mason and J. Vernet: CASSOWARY20: a wide separation Einstein Cross identified with the X-shooter spectrograph. *Monthly Notices of the Royal Astronomical Society* **402**, 2335-2343 (2010)

Porth, O. and C. Fendt: Acceleration and collimation of relativistic magnetohydrodynamic disk winds. *The Astrophysical Journal* **709**, 1100-1118 (2010)

Porth, O. and C. Fendt: From disk winds to relativistic jets. *International Journal of Modern Physics D* **19**, 677-682 (2010)

Pott, J.-U., M. D. Perrin, E. Furlan, A. M. Ghez, T. M. Herbst and S. Metchev: Ruling out stellar companions and resolving the innermost regions of transitional disks with the Keck Interferometer. *The Astrophysical Journal* **710**, 265-278 (2010)

Pott, J. U., M. A. Malkan, M. Elitzur, A. M. Ghez, T. M. Herbst, R. Schodel and J. Woillez: Luminosity-variation independent location of the circum-nuclear, hot dust in NGC 4151. *The Astrophysical Journal* **715**, 736-742 (2010)

Price, D. J. and C. Federrath: A comparison between grid and particle methods on the statistics of driven, supersonic, isothermal turbulence. *Monthly Notices of the Royal Astronomical Society* **406**, 1659-1674 (2010)

Prieto, M. A., J. Reunanen, K. R. W. Tristram, N. Neumayer, J. A. Fernandez-Ontiveros, M. Orienti and K. Meisenheimer: The spectral energy distribution of the central parsecs of the nearest AGN. *Monthly Notices of the Royal Astronomical Society* **402**, 724-744 (2010)

Ran, W., C. L. Carilli, R. Neri, D. A. Riechers, J. Wagg, F. Walter, F. Bertoldi, K. M. Menten, A. Omont, P. Cox and F. Xiaohui: Molecular gas in $z \sim 6$ quasar host galaxies. *The Astrophysical Journal* **714**, 699-712 (2010)

Reid, B. A., W. J. Percival, D. J. Eisenstein, L. Verde, D. N. Spergel, R. A. Skibba, N. A. Bahcall, T. Budavari, J. A. Frieman, M. Fukugita, J. R. Gott, J. E. Gunn, Z. Ivezic, G. R. Knapp, R. G. Kron, R. H. Lupton, T. A. McKay, A. Meiksin, R. C. Nichol, A. C. Pope, D. J. Schlegel, D. P. Schneider, C. Stoughton, M. A. Strauss, A. S. Szalay, M. Tegmark, M. S. Vogeley, D. H. Weinberg, D. G. York and I. Zehavi: Cosmological constraints from the clustering of the Sloan Digital Sky Survey DR7 luminous red galaxies. *Monthly Notices of the Royal Astronomical Society* **404**, 60-85 (2010)

Riechers, D. A., P. L. Capak, C. L. Carilli, P. Cox, R. Neri, N. Z. Scoville, E. Schinnerer, F. Bertoldi and L. Yan: A massive molecular gas reservoir in the $z = 5.3$ submillimeter galaxy AzTEC-3. *The Astrophysical Journal* **720**, L131-L136 (2010)

Riechers, D. A., C. L. Carilli, F. Walter and E. Momjian: Total molecular gas masses of $z \sim 3$ Lyman- break galaxies: CO($J = 1 \rightarrow 0$) emission in MS 1512-cB58 and the cosmic eye. *The Astrophysical Journal* **724**, L153-L157 (2010)

Riechers, D. A., A. Weiβ, F. Walter and J. Wagg: Dense molecular gas excitation in nuclear starbursts at high redshift: HCN, HNC, and HCO+($J = 6 \rightarrow 5$) emission in the $z = 3.91$ quasar host of APM 08279+5255. *The Astrophysical Journal* **725**, 1032-1039 (2010)

Robaina, A. R., E. F. Bell, A. van der Wel, R. S. Somerville, R. E. Skelton, D. H. McIntosh, K. Meisenheimer and C. Wolf: The Merger-driven evolution of massive galaxies. *The Astrophysical Journal* **719**, 844-850 (2010)

Rogers, B., I. Ferreras, A. Pasquali, M. Bernardi, O. Lahav and S. Kaviraj: The role of environment on the formation of early-type galaxies. *Monthly Notices of the Royal Astronomical Society* **405**, 329-339 (2010)

Rosales-Ortega, F. F., R. C. Kennicutt, S. F. Sánchez, A. I. Díaz, A. Pasquali, B. D. Johnson and C. N. Hao: PINGS: the PPAK IFS Nearby Galaxies Survey. *Monthly Notices of the Royal Astronomical Society* **405**, 735-758 (2010)

Röser, H. J., H. Hippelein, C. Wolf, M. Zatloukal and S. Falter: The Heidelberg InfraRed Optical Cluster Survey (HIROCS) I. Layout, instrumentation, and data analysis. *Astronomy and Astrophysics* **513**, id.A15 (2010)

Sandstrom, K., 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. Beirão, 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

Sargent, M. T., C. M. Carollo, P. Kampczyk, S. J. Lilly, C. Scarlata, P. Capak, O. Ilbert, A. M. Koekemoer, J. P. Kneib, A. Leauthaud, R. Massey, P. A. Oesch, J. Rhodes, E. Schinnerer, N. Scoville and Y. Taniguchi: The opacity of galactic disks at $z \sim 0.7$. The Astrophysical Journal **714**, L113-L117 (2010)

Sargent, M. T., E. Schinnerer, E. Murphy, H. Aussel, E. Le Floc'h, D. T. Frayer, A. Martínez-Sansigre, P. Oesch, M. Salvato, V. Smolcic, G. Zamorani, M. Brusa, N. Cappelluti, C. M. Carollo, O. Ilbert, J. Kartaltepe, A. M. Koekemoer, S. J. Lilly, D. B. Sanders and N. Z. Scoville: The VLA-COSMOS perspective on the IR-radio relation. I. New constraints on selection biases and the non-evolution of the IR/Radio properties of star forming and AGN galaxies at intermediate and high redshift. The Astrophysical Journal Supplement Series **186**, 341-377 (2010)

Sargent, M. T., E. Schinnerer, E. Murphy, C. L. Carilli, G. Helou, H. Aussel, E. Le Floc'h, D. T. Frayer, O. Ilbert, P. Oesch, M. Salvato, V. Smolcic, J. Kartaltepe and D. B. Sanders: No evolution in the IR-radio relation for IR-luminous galaxies at $z < 2$ in the COSMOS field. The Astrophysical Journal **714**, L190-L195 (2010)

Schartmann, M., A. Burkert, M. Krause, M. Camenzind, K. Meisenheimer and R. I. Davies: Gas dynamics of the central few parsec region of NGC 1068 fuelled by the evolving nuclear star cluster. Monthly Notices of the Royal Astronomical Society **403**, 1801-1811 (2010)

Schinnerer, E., M. T. Sargent, M. Bondi, V. Smolcic, A. Datta, C. L. Carilli, F. Bertoldi, A. Blain, P. Ciliegi, A. Koekemoer and N. Z. Scoville: The VLA-COSMOS Survey. IV. Deep Data and Joint Catalog. The Astrophysical Journal Supplement Series **188**, 384-404 (2010)

Schinnerer, E., A. Weiß, S. Aalto and N. Z. Scoville: Multi-transition study of M51'S molecular gas spiral arms. The Astrophysical Journal **719**, 1588-1601 (2010)

Schmidt, K. B., P. J. Marshall, H.-W. Rix, S. Jester, J. F. Hennawi and G. Dobler: Erratum: "Selecting quasars by their intrinsic variability" (2010, ApJ, 714, 1194). The Astrophysical Journal **721**, 1941-1941 (2010)

Schmidt, K. B., P. J. Marshall, H. W. Rix, S. Jester, J. F. Hennawi and G. Dobler: Selecting quasars by their intrinsic variability The Astrophysical Journal **714**, 1194-1208 (2010)

Schmidt, W., S. A. W. Kern, C. Federrath and R. S. Klessen: Numerical and semi-analytic core mass distributions in supersonic isothermal turbulence. Astronomy and Astrophysics **516**, id.A25 (2010)

Schneider, D. P., G. T. Richards, P. B. Hall, M. A. Strauss, S. F. Anderson, T. A. Boroson, N. P. Ross, Y. Shen, W. N. Brandt, X. H. Fan, N. Inada, S. Jester, G. R. Knapp, C. M. Krawczyk, A. R. Thakar, D. E. Vanden Berk, W. Voges, B. Yanny, D. G. York, N. A. Bahcall, D. Bizyaev, M. R. Blanton, H. Brewington, J. Brinkmann, D. Eisenstein, J. A. Frieman, M. Fukugita, J. Gray, J. E. Gunn, P. Hibon, Z. Ivezić, S. M. Kent, R. G. Kron, M. G. Lee, R. H. Lupton, E. Malanushenko, V. Malanushenko, D. Oravetz, K. Pan, J. R. Pier, T. N. Price, D. H. Saxe, D. J. Schlegel, A. Simmons, S. A. Snedden, M. U. SubbaRao, A. S. Szalay and D. H. Weinberg: The Sloan Digital Sky Survey Quasar Catalog. V. Seventh data release The Astronomical Journal **139**, 2360-2373 (2010)

Schruba, A., A. K. Leroy, F. Walter, K. Sandstrom and E. Rosolowsky: The scale dependence of the molecular gas depletion time in M33. The Astrophysical Journal **722**, 1699-1706 (2010)

Schwartz, D. A., F. Massaro, A. Siemiginowska, D. M. Worrall, M. Birkinshaw, H. Marshall, D. Evans, E. Perlman, J. M. Gelbord, J. E. J. Lovell, L. Godfrey, G. Bicknell, R. Ojha, M. Hardcastle, S. Jester, S. Jorstad and L. Stawarz: Modeling X-ray emission of a straight jet: PKS 0920-397. International Journal of Modern Physics D **19**, 879-885 (2010)

Sesar, B., Ž. Ivezić, S. H. Grammer, D. P. Morgan, A. C. Becker, M. Juric, N. De Lee, J. Annis, T. C. Beers, X. Fan, R. H. Lupton, J. E. Gunn, G. R. Knapp, L. Jiang, S. Jester, D. E. Johnston and H. Lampeitl: Light curve templates and galactic distribution of RR Lyrae stars from Sloan Digital Sky Survey stripe 82. The Astrophysical Journal **708**, 717-741 (2010)

Setiawan, J., R. J. Klement, T. Henning, H.-W. Rix, B. Rochau, J. Rodmann and T. Schulze-Hartung: A giant planet around a metal-poor star of extragalactic origin. Science **330**, 1642-1644 (2010)

Shen, Y., J. F. Hennawi, F. Shankar, A. D. Myers, M. A. Strauss, S. G. Djorgovski, X. Fan, C. Giocoli, A. Mahabal, D. P. Schneider and D. H. Weinberg: Binary quasars at high redshift. II. Sub-Mpc clustering at $z \sim 3$ -4. *The Astrophysical Journal* **719**, 1693-1698 (2010)

Sheth, K., M. Regan, J. L. Hinz, A. G. de Paz, K. Menéndez-Delmestre, J.-C. Muñoz-Mateos, M. Seibert, T. Kim, E. Laurikainen, H. Salo, D. A. Gadotti, J. Laine, T. Mizusawa, L. Armus, E. Athanassoula, A. Bosma, R. J. Buta, P. Capak, T. H. Jarrett, D. M. Elmegreen, B. G. Elmegreen, J. H. Knapen, J. Koda, G. Helou, L. C. Ho, B. F. Madore, K. L. Masters, B. Mobasher, P. Ogle, C. Y. Peng, E. Schinnerer, J. A. Surace, D. Zaritsky, S. Comerón, B. de Swardt, S. E. Meidt, M. Kasliwal and M. Aravena: The SPITZER Survey of stellar structure in galaxies (S4 G). *Publications of the Astronomical Society of the Pacific* **122**, 1397-1414 (2010)

Smith, K. W., C. A. L. Bailer-Jones, R. J. Klement and X. X. Xue: Photometric identification of blue horizontal branch stars. *Astronomy and Astrophysics* **522**, id.A88 (2010)

Smith, M. W. L., C. Vlahakis, M. Baes, G. J. Bendo, S. Bianchi, D. J. Bomans, A. Boselli, M. Clemens, E. Corbelli, L. Cortese, A. Dariush, J. I. Davies, I. de Looze, S. di Serego Alighieri, D. Fadda, J. Fritz, D. A. Garcia-Appadoo, G. Gavazzi, C. Giovanardi, M. Grossi, T. M. Hughes, L. K. Hunt, A. P. Jones, S. Madden, D. Pierini, M. Pohlen, S. Sabatini, J. Verstappen, E. M. Xilouris and S. Zibetti: The Herschel Virgo Cluster Survey. IV. Resolved dust analysis of spiral galaxies. *Astronomy and Astrophysics* **518**, id.L51 (2010)

Smolcic, V., G. Zamorani, E. Schinnerer, S. Bardelli, M. Bondi, L. Bîrzan, C. L. Carilli, P. Ciliegi, M. Elvis, C. D. Impey, A. M. Koekemoer, A. Merloni, T. Paglione, M. Salvato, M. Scoville, N. Scoville and J. R. Trump: ERRATUM: "Cosmic evolution of radio selected active galactic nuclei in the COSMOS Field" (2009, ApJ, 696, 24). *The Astrophysical Journal* **708**, 909-909 (2010)

Sollima, A., A. Gil de Paz, D. Martinez-Delgado, R. J. Gabany, J. J. Gallego-Laborda and T. Hallas: A multi-wavelength analysis of M 81: insight on the nature of Arp's loop. *Astronomy and Astrophysics* **516**, id.A83 (2010)

Taylor, E. N., M. Franx, J. Brinchmann, A. van der Wel and P. G. van Dokkum: On the masses of galaxies in the local universe. *The Astrophysical Journal* **722**, 1-19 (2010)

Taylor, E. N., M. Franx, K. Glazebrook, J. Brinchmann, A. van der Wel and P. G. van Dokkum: On the dearth of compact, massive, red sequence galaxies in the local Universe. *The Astrophysical Journal* **720**, 723-741 (2010)

van de Ven, G., J. Falcón-Barroso, R. M. McDermid, M. Cappellari, B. W. Miller and P. T. de Zeeuw: The Einstein Cross: Constraint on dark matter from stellar dynamics and gravitational lensing. *The Astrophysical Journal* **719**, 1481-1496 (2010)

van de Ven, G. and K. Fathi: Kinematic analysis of nuclear spirals: Feeding the back hole in NGC 1097. *The Astrophysical Journal* **723**, 767-780 (2010)

van der Wel, A., E. F. Bell, B. P. Holden, R. A. Skibba and H. W. Rix: The physical origins of the morphology-density relation: Evidence for gas stripping from the Sloan Digital Sky Survey. *The Astrophysical Journal* **714**, 1779-1788 (2010)

van der Werf, P. P., 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. González-Alfonso, D. Naylor, S. Aalto, V. Charmandaris, K. M. Dasyra, A. Evans, Y. Gao, T. R. Greve, R. Güsten, C. Kramer, J. Martín-Pintado, J. Mazzarella, P. P. Papadopoulos, D. B. Sanders, L. Spinoglio, G. Stacey, C. Vlahakis, M. C. Wiedner and E. M. Xilouris: Black hole accretion and star formation as drivers of gas excitation and chemistry in Markarian 231. *Astronomy and Astrophysics* **518**, id.L42 (2010)

Vardoulaki, E., S. Rawlings, G. J. Hill, T. Mauch, K. J. Inskip, J. Riley, K. Brand, S. Croft and C. J. Willott: The TexOx-1000 redshift survey of radio sources I: the TOOT00 region. *Monthly Notices of the Royal Astronomical Society* **401**, 1709-1759 (2010)

Wagg, J., C. L. Carilli, D. J. Wilner, P. Cox, C. De Breuck, K. Menten, D. A. Riechers and F. Walter: [CII] line emission in BRI 1335-0417 at $z = 4.4$. *Astronomy and Astrophysics* **519**, id.L1 (2010)

Wang, J., G. Fabbiano, G. Risaliti, M. Elvis, C. G. Mundell, G. Dumas, E. Schinnerer and A. Zezas: Extended X-ray emission in the H I cavity of NGC 4151: Galaxy-scale active galactic nucleus feedback? *The Astrophysical Journal* **719**, L208-L212 (2010)

Wang, R., C. L. Carilli, R. Neri, D. A. Riechers, J. Wagg, F. Walter, F. Bertoldi, K. M. Menten, A. Omont, P. Cox and X. Fan: Molecular gas in $z \sim 6$ quasar host galaxies. The Astrophysical Journal **714**, 699-712 (2010)

Wang, R., C. L. Carilli, R. Neri, D. A. Riechers, J. Wagg, F. Walter, F. Bertoldi, K. M. Menten, A. Omont, P. Cox and X. H. Fan: Molecular gas in $z \sim 6$ quasar host galaxies. The Astrophysical Journal **714**, 699-712 (2010)

Wilman, D. J., S. Zibetti and T. Budavári: A multiscale approach to environment and its influence on the colour distribution of galaxies. Monthly Notices of the Royal Astronomical Society **406**, 1701-1720 (2010)

Zhao, H. S., A. V. Maccio, B. J. Li, H. Hoekstra and M. Feix: Structure formation by fifth force: Power spectrum from N-body simulations The Astrophysical Journal Letters **712**, L179-L183 (2010)

Verantwortlich / *Responsible:* Axel M. Quetz

Letzte Änderung / *Last updated:* 14. April 2011

Galaxien und Kosmologie / Galaxies and Cosmology (2010)

Contributed Papers

Ageorges, N., W. Seifert, M. Jütte, V. Knierim, M. Lehmitz, A. Germeroth, P. Buschkamp, K. Polsterer, A. Pasquali, V. Naranjo, H. Gemperlein, J. Hill, C. Feiz, R. Hofmann, W. Laun, R. Lederer, R. Lenzen, U. Mall, H. Mandel, P. Müller, A. Quirrenbach, L. Schäffner, C. Storz and P. Weiser: LUCIFER1 commissioning at the LBT. In: Ground-based and Airborne Instrumentation for Astronomy III, (Eds.) McLean, I. S., S. K. Ramsay, H. Takami. SPIE **7735**, SPIE, 77351L-77351L-12 (2010)

Becerril, S., K. Meisenheimer, C. M. Dubbeldam, R. Content, R. R. Rohloff, F. Prada, T. Shanks and R. Sharples: eXtreme multiplex spectrograph: a high-demanding mechanical design. In: Ground-based and Airborne Instrumentation for Astronomy III, (Eds.) McLean, I. S., S. K. Ramsay, H. Takami. SPIE **7735**, SPIE, 773556-773556-16 (2010)

Bertram, T., C. Arcidiacono, J. Berwein, P. Bizenberger, F. Briegel, E. Diolaiti, J. Farinato, W. Gäßler, T. M. Herbst, R. Hofferbert, F. Kittmann, M. Kürster, R. Ragazzoni, L. Schreiber, J. Trowitzsch and V. Viotto: The MCAO systems within LINC-NIRVANA: control aspects beyond wavefront correction. In: Adaptive Optics Systems II, (Eds.) Ellerbroek, B. L., M. Hart, N. Hubin, P. L. Wizinowich. SPIE **7736**, SPIE, 77361S-77361S-10 (2010)

Brix, M., J.-U. Pott, T. Bertram, S. Rost, J. L. Borelli, T. M. Herbst, M. Kürster and R.-R. Rohloff: LINC-NIRVANA piston control elements. In: Optical and Infrared Interferometry II, (Eds.) Danchi, W. C., F. Delplancke, J. K. Rajagopal. SPIE **7734**, SPIE, 55 (2010)

Casarini, L., A. V. Macciò and S. A. Bonometto: High accuracy Spectra at high z in Dynamical Dark Energy simulations. In: High accuracy Spectra at high z in Dynamical Dark Energy simulations, **1241**, 759-766 (2010)

Content, R., S. Barden, S. Becerril, A. Boehm, P. Clark, P. Costillo, C. M. Dubbeldam, T. Farrell, K. Glazebrook, R. Haynes, K. Meisenheimer, S. Miziarski, N. Nikoloudakis, L. F. Prada, R.-R. Rohloff, T. Shanks, R. M. Sharples and K. Wagner: XMS and NG1dF: extreme multiplex spectrographs for wide-field multi-object spectroscopy. In: Ground-based and Airborne Instrumentation for Astronomy III, (Eds.) McLean, I. S., S. K. Ramsay, H. Takami. SPIE **7735**, SPIE, 77351Q-77351Q-15 (2010)

Davies, R., N. Ageorges, L. Barl, L. Bedin, R. Bender, P. Bernardi, F. Chapron, Y. Clenet, A. Deep, E. Deul, M. Drost, F. Eisenhauer, R. Falomo, G. Fiorentino, N. M. Förster Schreiber, E. Gendron, R. Genzel, D. Gratadour, L. Greggio, F. Grupp, E. Held, T. Herbst, H. J. Hess, Z. Hubert, K. Jahnke, K. Kuijken, D. Lutz, D. Magrin, B. Muschielok, R. Navarro, E. Noyola, T. Paumard, G. Piotto, R. Ragazzoni, A. Renzini, G. Rousset, H. W. Rix, R. Saglia, L. Tacconi, M. Thiel, E. Tolstoy, S. Trippe, N. Tromp, E. A. Valentijn, G. Verdoes Kleijn and M. Wegner: Science and Adaptive Optics Requirements of MICADO, the E-ELT adaptive optics imaging camera. In: 1st AO4ELT conference – Adaptative Optics for Extremely Large Telescopes, (Eds.) Clénet, Y., J.-M. Conan, T. Fusco, G. Rousset. EDP Sciences, 01002 (2010)

Davies, R., N. Ageorges, L. Barl, L. R. Bedin, R. Bender, P. Bernardi, F. Chapron, Y. Clenet, A. Deep, E. Deul, M. Drost, F. Eisenhauer, R. Falomo, G. Fiorentino, N. M. Förster Schreiber, E. Gendron, R. Genzel, D. Gratadour, L. Greggio, F. Grupp, E. Held, T. Herbst, H. J. Hess, Z. Hubert, K. Jahnke, K. Kuijken, D. Lutz, D. Magrin, B. Muschielok, R. Navarro, E. Noyola, T. Paumard, G. Piotto, R. Ragazzoni, A. Renzini, G. Rousset, H. W. Rix, R. Saglia, L. Tacconi, M. Thiel, E. Tolstoy, S. Trippe, N. Tromp, E. A. Valentijn, G. Verdoes Kleijn and M. Wegner: MICADO: the E-ELT adaptive optics imaging camera. In: Ground-based and Airborne Instrumentation for Astronomy III, (Eds.) McLean, I. S., S. K. Ramsay, H. Takami. SPIE **7735**, SPIE, 77352A-77352A-12 (2010)

de Bonis, F., T. Bertram, L. Labadie, S. Egner, P. Bizenberger, R. Hofferbert, A. Eckart, M. Kürster and T. Herbst: A compact light-weighted and multi-purpose calibration unit for LINC-NIRVANA. In: Ground-based and Airborne Instrumentation for Astronomy III, (Eds.) McLean, I. S., S. K. Ramsay, H. Takami. SPIE **7735**, SPIE, 773543-773543-12 (2010)

Eisner, J. A., R. Akeson, M. Colavita, A. Ghez, J. Graham, L. Hillenbrand, R. Millan-Gabet, J. D.

Monnier, J. U. Pott, S. Ragland, P. Wizinowich and J. Woillez: Science with the Keck Interferometer ASTRA program. In: Optical and Infrared Interferometry II, (Eds.) Danchi, W. C., F. Delplancke, J. K. Rajagopal. SPIE **7734**, SPIE, 29 (2010)

Follert, R., T. M. Herbst, P. Bizenberger and F. Debonis: The atmospheric piston simulator as an integral part of the calibration unit of LINC-NIRVANA. In: Optical and Infrared Interferometry II, (Eds.) Danchi, W. C., F. Delplancke, J. K. Rajagopal. SPIE **7734**, SPIE, 127 (2010)

Fried, J. W., H. Baumeister, A. Huber, W. Laun, R.-R. Rohloff and M. Concepción Cárdenas: Opto-mechanical design of PANIC. In: Ground-based and Airborne Instrumentation for Astronomy III, (Eds.) McLean, I. S., S. K. Ramsay, H. Takami. SPIE **7735**, SPIE, 77353V-77353V-12 (2010)

Gaessler, W., D. Peter and C. Storz: Phase retrieval in the focal plane. In: Adaptive Optics for Extremely Large Telescopes, (Eds.) Clénet, Y., J.-M. Conan, T. Fusco, G. Rousset. EDP Sciences, id.05007 (2010)

Gallazzi, A.: Ecology of galaxy stellar populations from optical spectroscopic surveys. In: Stellar Populations – Planning for the Next Decade, (Eds.) Bruzual, G., S. Charlot. IAU Symp. **262**, Cambridge University Press, 205-208 (2010)

Greve, T. R.: Submillimetre cosmology at high angular resolution. In: 3rd ARENA Conference: An Astronomical Observatory at CONCORDIA, EAS Publications Series **40**, EDP Sciences, 309-318 (2010)

Hart, M., L. Busoni, O. Durney, S. Esposito, W. Gäßler, V. Gasho, S. Rabien and M. Rademacher: Diffraction-limited upgrade to ARGOS: the LBT's ground-layer adaptive optics system. In: Adaptive Optics Systems II, (Eds.) Ellerbroek, B. L., M. Hart, N. Hubin, P. L. Wizinowich. SPIE **7736**, SPIE, 104 (2010)

Herbst, T. M., R. Ragazzoni, A. Eckart and G. Weigelt: Imaging beyond the fringe: an update on the LINC-NIRVANA Fizeau interferometer for the LBT. In: Optical and Infrared Interferometry II, (Eds.) Danchi, W. C., F. Delplancke, J. K. Rajagopal. SPIE **7734**, SPIE, 773407-773407-7 (2010)

Hernández, D. M., A. V. Macció and F. C. van den Bosch: On the origin and history of stars in spiral galaxies. In: 2009 Joint Annual Conference of the National Society of Black Physicists and the National Society of Hispanic Physicists (Ed.) Oluseyi, H. M. AIP Conference Proceedings **1280**, Springer, 70-78 (2010)

Kürster, M., T. Bertram, J. L. Borelli, M. Brix, W. Gäßler, T. M. Herbst, V. Naranjo, J. U. Pott, J. Trowitzsch, T. E. Connors, P. M. Hinz, T. J. McMahon, D. S. Ashby, J. G. Brynnel, N. J. Cushing, T. Edgin, J. D. Esguerra, R. F. Green, J. Kraus, J. Little, U. Beckmann and G. P. Weigelt: OVMS: the optical path difference and vibration monitoring system for the LBT and its interferometers. In: Optical and Infrared Interferometry II, (Eds.) Danchi, W. C., F. Delplancke, J. K. Rajagopal. SPIE **7734**, SPIE, 77342Y-77342Y-8 (2010)

Lorenzetti, D., F. D'Alessio, G. Li Causi, F. Vitali, M. Centrone, R. Speziali, E. Diolaiti, J. Farinato, R. Ragazzoni, T. Bertram, F. Briegel, F. de Bonis, W. Gäßler, T. Herbst, M. Kürster and R.-R. Rohloff: Feeding the wavefront sensors of LINC-NIRVANA: the dedicated Patrol Camera. In: Optical and Infrared Interferometry II, (Eds.) Danchi, W. C., F. Delplancke, J. K. Rajagopal. SPIE **7734**, SPIE, 77343S-77343S-11 (2010)

Macciò, A. V.: Milky Way satellite properties in a Δ CDM Universe. In: Hunting for the Dark: The Hidden Side of Galaxy Formation (Eds.) Debattista, V. P., C. C. Popescu. AIP Conference Proceedings / Astronomy and Astrophysics **1240**, Springer, 355-358 (2010)

Mei, S., B. P. Holden, J. P. Blakeslee, H. C. Ford, M. Franx, G. D. Illingworth, M. J. Jee, R. Overzier, M. Postman, P. Rosati, A. van der Wel and J. G. Bartlett: Stellar populations and morphology on the red sequence at $z \sim 1$. In: Invisible Universe, (Eds.) Alimi, J.-M., A. Füfze. AIP Conference Proceedings / Astronomy and Astrophysics **1241**, AIP, 236-243 (2010)

Meschke, D., P. Bizenberger, W. Gaessler, X. Zhang, L. Mohr, H. Baumeister and E. Diolaiti: An atmospheric turbulence generator for dynamic tests with LINC-NIRVANA's adaptive optics system. In: Adaptive Optics Systems II, (Eds.) Ellerbroek, B. L., M. Hart, N. Hubin, P. L. Wizinowich. SPIE **7736**, SPIE, 773646-773646-8 (2010)

Müller, A., J. U. Pott, S. Morel, R. Abuter, G. van Belle, R. van Boekel, L. Burtscher, F. Delplancke, T. Henning, W. Jaffe, C. Leinert, B. Lopez, A. Matter, K. Meisenheimer, C. Schmid,

K. Tristram and A. P. Verhoeff: First results using PRIMA FSU as a fringe tracker for MIDI. In: Optical and Infrared Interferometry II, (Eds.) Danchi, W. C., F. Delplancke, J. K. Rajagopal. SPIE **7734**, SPIE, 773420-773420-15 (2010)

Nilsson, K. K. and O. Möller-Nilsson: Future management needs of a "software-driven" science community. In: Software and Cyberinfrastructure for Astronomy, (Eds.) Radziwill, N. M., A. Bridger. SPIE **7740**, SPIE, 77400P-77400P-7 (2010)

Orban de Xivry, G., S. Rabien, L. Barl, S. Esposito, W. Gaessler, M. Hart, M. Deysenroth, H. Gemperlein, L. Strüder and J. Ziegleder: Wide-field AO correction: the large wavefront sensor detector of ARGOS. In: Adaptive Optics Systems II, (Eds.) Ellerbroek, B. L., M. Hart, N. Hubin, P. L. Wizinowich. SPIE **7736**, SPIE, 178 (2010)

Peter, D. and W. Gässler: Reconstruction of the point spread function for the ground layer adaptive optics system ARGOS. In: Adaptative Optics for Extremely Large Telescopes, (Eds.) Clénet, Y., J.-M. Conan, T. Fusco, G. Rousset. EDP Sciences, 9004 (2010)

Pott, J. U., J. Woillez, S. Ragland, P. L. Wizinowich, J. A. Eisner, J. D. Monnier, R. L. Akeson, A. M. Ghez, J. R. Graham, L. A. Hillenbrand, R. Millan-Gabet, E. Appleby, B. Berkey, M. M. Colavita, A. Cooper, C. Felizardo, J. Herstein, M. Hrynevych, D. Medeiros, D. Morrison, T. Panteleeva, B. Smith, K. Summers, K. Tsubota, C. Tyau and E. Wetherell: First Keck Interferometer measurements in self-phase referencing mode: spatially resolving circumstellar line emission of 48 Lib. In: Optical and Infrared Interferometry II (Eds.) Danchi, W. C., F. Delplancke, J. K. Rajagopal. SPIE **7734**, SPIE, 77340P-77340P-6 (2010)

Rabien, S., N. Ageorges, L. Barl, U. Beckmann, T. Blümchen, M. Bonaglia, J. L. Borelli, J. Brynnel, L. Busoni, L. Carbonaro, R. Davies, M. Deysenroth, O. Durney, M. Elberich, S. Esposito, V. Gasho, W. Gässler, H. Gemperlein, R. Genzel, R. Green, M. Haug, M. L. Hart, P. Hubbard, S. Kanneganti, E. Masciadri, J. Noenickx, G. Orban de Xivry, D. Peter, A. Quirrenbach, M. Rademacher, H. W. Rix, P. Salinari, C. Schwab, J. Storm, L. Strüder, M. Thiel, G. Weigelt and J. Ziegleder: ARGOS: the laser guide star system for the LBT. In: Adaptive Optics Systems II, (Eds.) Ellerbroek, B. L., M. Hart, N. Hubin, P. L. Wizinowich. SPIE **7736**, SPIE, 77360E-77360E-12 (2010)

Ragland, S., R. Akeson, M. Colavita, R. Millan-Gabet, J. Woillez, P. Wizinowich, E. Appleby, B. Berkey, A. Cooper, C. Felizardo, J. Herstein, M. Hrynevych, D. Medeiros, D. Morrison, T. Panteleeva, J. U. Pott, B. Smith, K. Summers, K. Tsubota, C. Tyau and E. Wetherell: Recent progress at the Keck Interferometer. In: Optical and Infrared Interferometry II, (Eds.) Danchi, W. C., F. Delplancke, J. K. Rajagopal. SPIE **7734**, SPIE, 773402-773402-12 (2010)

Schartmann, M., A. Burkert, M. Krause, M. Camenzind, K. Meisenheimer and R. I. Davies: Obscuring and feeding supermassive black holes with evolving nuclear star clusters. In: Co-Evolution of Central Black Holes and Galaxies, (Eds.) Peterson, B. M., R. S. Somerville, T. Storchi-Bergmann. IAU Symp. **267**, Cambridge Univ. Pr., 307-312 (2010)

Schweitzer, M., R. Bender, R. Katterloher, F. Eisenhauer, R. Hofmann, R. Saglia, R. Holmes, O. Krause, H.-W. Rix, J. Booth, P. Fagrelius, J. Rhodes, S. Seshadri, A. Refregier, J. Amiaux, J.-L. Augueres, O. Boulade, C. Cara, A. Amara, S. Lilly, E. Atad-Ettedgui, A.-M. di Giorgio, L. Duvet, C. Kuehl and M. Syed: NIP: the near infrared imaging photometer for Euclid. In: Space Telescopes and Instrumentation 2010: Optical, Infrared, and Millimeter Wave, (Eds.) Oschmann, J. M., M. C. Clampin, H. A. MacEwen. SPIE **7731**, SPIE, 77311K-77311K-12 (2010)

Seifert, W., N. Ageorges, M. Lehmitz, P. Buschkamp, V. Knierim, K. Polsterer, A. Germeroth, A. Pasquali, V. Naranjo, M. Jütte, C. Feiz, H. Gemperlein, R. Hofmann, W. Laun, R. Lederer, R. Lenzen, U. Mall, H. Mandel, P. Müller, A. Quirrenbach, L. Schäffner, C. Storz and P. Weiser: LUCIFER1: performance results. In: Ground-based and Airborne Instrumentation for Astronomy III, (Eds.) McLean, I. S., S. K. Ramsay, H. Takami. SPIE **7735**, SPIE, 77357W-77357W-9 (2010)

Stevens, J. A., M. J. Jarvis, K. E. K. Coppin, M. J. Page, T. R. Greve, F. J. Carrera and R. J. Ivison: An excess of star-forming galaxies in the fields of high-redshift QSOs. Monthly Notices of the Royal Astronomical Society **405**, 2623-2638 (2010)

Viotti, V., R. Ragazzoni, C. Arcidiacono, M. Bergomi, A. Brunelli, M. Dima, J. Farinato, G. Gentile, D. Magrin, G. Cosentino, E. Diolaiti, I. Foppiani, M. Lombini, L. Schreiber, T. Bertram, P. Bizenberger, F. de Bonis, W. Gässler, T. Herbst, M. Kürster, D. Meschke, L. Mohr and R. R. Rohloff: A very wide field wavefront sensor for a very narrow field interferometer. In: Optical and Infrared Interferometry II, (Eds.) Danchi, W. C., F. Delplancke, J. K. Rajagopal. SPIE

Wilman, D., S. Zibetti, T. Budavári and C. C. Popescu: A multiscale approach to environment. In: Hunting for the Dark: The Hidden Side of Galaxy Formation, (Eds.) Debattista, V. P., C. C. Popescu. AIP Conference Proceedings AIP, 323-326 (2010)

Wollez, J., R. Akeson, M. Colavita, J. Eisner, A. Ghez, J. Graham, L. Hillenbrand, R. Millan-Gabet, J. Monnier, J. U. Pott, S. Ragland, P. Wizinowich, E. Appleby, B. Berkey, A. Cooper, C. Felizardo, J. Herstein, M. Hrynevych, O. Martin, D. Medeiros, D. Morrison, T. Pantaleeva, B. Smith, K. Summers, K. Tsubota, C. Tyau and E. Wetherell: ASTRA: Astrometry and phase-referencing astronomy on the Keck interferometer. In: Optical and Infrared Interferometry II, (Eds.) Danchi, W. C., F. Delplancke, J. K. Rajagopal. SPIE **7734**, SPIE, 773412-773412-10 (2010)

Zibetti, S., S. Charlot and H.-W. Rix: Resolved maps of stellar mass and SED of galaxies from optical/NIR imaging and SPS models. In: Stellar Populations – Planning for the Next Decade, (Eds.) Bruzual, G., S. Charlot. IAU Symp. **262**, Cambridge Univ. Press, 89-92 (2010)

Verantwortlich / Responsible: Axel M. Quetz

Letzte Änderung / Last updated: 10. Februar 2011

Galaxien und Kosmologie / Galaxies and Cosmology (2010)

Popular Papers:

Neumayer, N., M. Cappellari, P. van der Werf, J. Reunanen, H. W. Rix, T. de Zeeuw and R. Davies: SINFONI on the nucleus of Centaurus A. The Messenger **139**, 36-41 (2010)

Verantwortlich / *Responsible*: Axel M. Quetz
Letzte Änderung / *Last updated*: 11. Februar 2011

