

# Galaxien und Kosmologie / Galaxies / Cosmology (2006)

## Refereed Papers

*Adelman-McCarthy, J. K., M. A. Agüeros, S. S. Allam, K. S. J. Anderson, S. F. Anderson, J. Annis, N. A. Bahcall, I. K. Baldry, J. C. Barentine, A. Berlind, M. Bernardi, M. R. Blanton, W. N. Boroski, H. J. Brewington, J. Brinchmann, J. Brinkmann, R. J. Brunner, T. Budavári, L. N. Carey, M. A. Carr, F. J. Castander, A. J. Connolly, I. Csabai, P. C. Czarapata, J. J. Dalcanton, M. Doi, F. Dong, D. J. Eisenstein, M. L. Evans, X. Fan, D. P. Finkbeiner, S. D. Friedman, J. A. Frieman, M. Fukugita, B. Gillespie, K. Glazebrook, J. Gray, E. K. Grebel, J. E. Gunn, V. K. Gurbani, E. de Haas, P. B. Hall, F. H. Harris, M. Harvanek, S. L. Hawley, J. Hayes, J. S. Hendry, G. S. Hennessy, R. B. Hindsley, C. M. Hirata, C. J. Hogan, D. W. Hogg, D. J. Holmgren, J. A. Holtzman, S.-i. Ichikawa, Z. Ivezic, S. Jester, D. E. Johnston, A. M. Jorgensen, M. Juric, S. M. Kent, S. J. Kleinman, G. R. Knapp, A. Y. Kniazev, R. G. Kron, J. Krzesinski, N. Kuropatkin, D. Q. Lamb, H. Lampeitl, B. C. Lee, R. F. Leger, H. Lin, D. C. Long, J. Loveday, R. H. Lupton, B. Margon, D. Martínez-Delgado, R. Mandelbaum, T. Matsubara, P. M. McGehee, T. A. McKay, A. Meiksin, J. A. Munn, R. Nakajima, T. Nash, E. H. Neilsen, Jr., H. J. Newberg, P. R. Newman, R. C. Nichol, T. Nicinski, M. Nieto-Santisteban, A. Nitta, W. O'Mullane, S. Okamura, R. Owen, N. Padmanabhan, G. Pauls, J. Peoples, Jr., J. R. Pier, A. C. Pope, D. Pourbaix, T. R. Quinn, G. T. Richards, M. W. Richmond, C. M. Rockosi, D. J. Schlegel, D. P. Schneider, J. Schroeder, R. Scranton, U. Seljak, E. Sheldon, K. Shimasaku, J. A. Smith, V. Smolcic, S. A. Snedden, C. Stoughton, M. A. Strauss, M. SubbaRao, A. S. Szalay, I. Szapudi, P. Szkody, M. Tegmark, A. R. Thakar, D. L. Tucker, A. Uomoto, D. E. Vanden Berk, J. Vandenberg, M. S. Vogeley, W. Voges, N. P. Vogt, L. M. Walkowicz, D. H. Weinberg, A. A. West, S. D. M. White, Y. Xu, B. Yanny, D. R. Yocom, D. G. York, I. Zehavi, S. Zibetti and D. B. Zucker: The Fourth Data Release of the Sloan Digital Sky Survey. *Astrophysical Journal Supplement Series* **162**, 38-48 (2006)*

*Auld, R., W. J. G. de Blok, E. Bell and J. I. Davies: Morphology and star formation in nearby low surface brightness galaxies. *Monthly Notices of the Royal Astronomical Society* **366**, 1475-1492 (2006)*

*Barazza, F. D., S. Jogee, H.-W. Rix, M. Barden, E. F. Bell, J. A. R. Caldwell, D. H. McIntosh, K. Meisenheimer, C. Y. Peng and C. Wolf: Color, structure, and star formation history of dwarf galaxies over the last  $\sim 3$  Gyr with GEMS and SDSS. *The Astrophysical Journal* **643**, 162-172 (2006)*

*Beckwith, S. V. W., M. Stiavelli, A. M. Koekemoer, J. A. R. Caldwell, H. C. Ferguson, R. Hook, R. A. Lucas, L. E. Bergeron, M. Corbin, S. Jogee, N. Panagia, M. Robberto, P. Royle, R. S. Somerville and M. Sosey: The HUBBLE Ultra Deep Field. *The Astronomical Journal* **132**, 1729-1755 (2006)*

*Bell, E. F., T. Naab, D. H. McIntosh, R. S. Somerville, J. A. R. Caldwell, M. Barden, C. Wolf, H.-W. Rix, S. V. Beckwith, A. Borch, B. Häussler, C. Heymans, K. Jahnke, S. Jogee, S. Koposov, K. Meisenheimer, C. Y. Peng, S. F. Sanchez and L. Wisotzki: Dry mergers in GEMS: The dynamical evolution of massive early-type galaxies. *The Astrophysical Journal* **640**, 241-251 (2006)*

*Bell, E. F., S. Phleps, R. S. Somerville, C. Wolf, A. Borch and K. Meisenheimer: The merger rate of massive galaxies. *The Astrophysical Journal* **652**, 270-276 (2006)*

*Belokurov, V., D. B. Zucker, N. W. Evans, G. Gilmore, S. Vidrih, D. M. Bramich, H. J. Newberg, R. F. G. Wyse, M. J. Irwin, M. Fellhauer, P. C. Hewett, N. A. Walton, M. I. Wilkinson, N. Cole, B. Yanny, C. M. Rockosi, T. C. Beers, E. F. Bell, J. Brinkmann, Z. Ivezic and R. Lupton: The field of streams: Sagittarius and its siblings. *The Astrophysical Journal* **642**, L137-L140 (2006)*

*Belokurov, V., D. B. Zucker, N. W. Evans, M. I. Wilkinson, M. J. Irwin, S. Hodgkin, D. M. Bramich, J. M. Irwin, G. Gilmore, B. Willman, S. Vidrih, H. J. Newberg, R. F. G. Wyse, M. Fellhauer, P. C. Hewett, N. Cole, E. F. Bell, T. C. Beers, C. M. Rockosi, B. Yanny, E. K. Grebel, D. P. Schneider, R. Lupton, J. C. Barentine, H. Brewington, J. Brinkmann, M. Harvanek, S. J. Kleinman, J. Krzesinski, D. Long, A. Nitta, J. A. Smith and S. A. Snedden:* A faint new Milky Way satellite in Bootes. *The Astrophysical Journal* **647**, L111-L114 (2006)

*Bendo, G. J., B. A. Buckalew, D. A. Dale, B. T. Draine, R. D. Joseph, R. C. Kennicutt, Jr., K. Sheth, J.-D. T. Smith, F. Walter, D. Calzetti, J. M. Cannon, C. W. Engelbracht, K. D. Gordon, G. Helou, D. Hollenbach, E. J. Murphy and H. Roussel:* SPITZER and JCMT observations of the active galactic nucleus in the Sombrero Galaxy (NGC 4594). *The Astrophysical Journal* **645**, 134-147 (2006)

*Borch, A., K. Meisenheimer, E. F. Bell, H. W. Rix, C. Wolf, S. Dye, M. Kleinheinrich, Z. Kovacs and L. Wisotzki:* The stellar masses of 25 000 galaxies at  $0.2 < z < 1.0$  estimated by the COMBO-17 survey. *Astronomy and Astrophysics* **453**, 869-881 (2006)

*Cacciato, M., M. Bartelmann, M. Meneghetti and L. Moscardini:* Combining weak and strong lensing in cluster potential reconstruction. *Astronomy and Astrophysics* **458**, 349-356 (2006)

*Cannon, J. M., J.-D. T. Smith, F. Walter, G. J. Bendo, D. Calzetti, D. A. Dale, B. T. Draine, C. W. Engelbracht, K. D. Gordon, G. Helou, R. C. Kennicutt, Jr., C. Leitherer, L. Armus, B. A. Buckalew, D. J. Hollenbach, T. H. Jarrett, A. Li, M. J. Meyer, E. J. Murphy, M. W. Regan, G. H. Rieke, M. J. Rieke, H. Roussel, K. Sheth and M. D. Thornley:* Warm dust and spatially variable polycyclic aromatic hydrocarbon emission in the dwarf starburst galaxy NGC 1705. *The Astrophysical Journal* **647**, 293-302 (2006)

*Cannon, J. M., F. Walter, L. Armus, G. J. Bendo, D. Calzetti, B. T. Draine, C. W. Engelbracht, G. Helou, R. C. Kennicutt, Jr., C. Leitherer, H. Roussel, C. Bot, B. A. Buckalew, D. A. Dale, W. J. G. de Blok, K. D. Gordon, D. J. Hollenbach, T. H. Jarrett, M. J. Meyer, E. J. Murphy, K. Sheth and M. D. Thornley:* The nature of infrared emission in the Local Group dwarf galaxy NGC 6822 as revealed by SPITZER. *The Astrophysical Journal* **652**, 1170-1187 (2006)

*Cappellari, M., R. Bacon, M. Bureau, M. C. Damen, R. L. Davies, P. T. de Zeeuw, E. Emsellem, J. Falcón-Barroso, D. Krajnovic, H. Kuntschner, R. M. McDermid, R. F. Peletier, M. Sarzi, R. C. E. van den Bosch and G. van de Ven:* The SAURON project – IV. The mass-to-light ratio, the virial mass estimator and the Fundamental Plane of elliptical and lenticular galaxies. *Monthly Notices of the Royal Astronomical Society* **366**, 1126-1150 (2006)

*Castro-Tirado, A. J., M. Jelínek, S. B. Pandey, S. McBreen, J. de Jong, D. K. Sahu, P. Ferrero, J. A. Caballero, J. Gorosabel, D. A. Kann, S. Klose, A. de Ugarte Postigo, G. C. Anupama, C. Gry, S. Guziy, S. Srividya, L. Valdvielso, S. Vanniarajan and A. A. Henden:* GRB 051028: an intrinsically faint gamma-ray burst at high redshift? *Astronomy and Astrophysics* **459**, 763-767 (2006)

*Christensen, L., K. Jahnke, L. Wisotzki and S. F. Sánchez:* Extended Lyman- $\alpha$  emission around bright quasars. *Astronomy and Astrophysics* **459**, 717-729 (2006)

*Christensen, L., K. Jahnke, L. Wisotzki, S. F. Sánchez, K. Exter and M. M. Roth:* A jet-cloud interaction in the 3C 196 environment. *Astronomy and Astrophysics* **452**, 869-874 (2006)

*Combes, F., S. García-Burillo, J. Braine, E. Schinnerer, F. Walter, L. Colina and M. Gerin:* High resolution observations of a starburst at  $z = 0.223$ : resolved CO(1-0) structure. *Astronomy and Astrophysics* **460**, L49-L52 (2006)

*Comerón, F., A. Pasquali and J. Torra:* G76.188+0.098: a newly born massive binary star. *Astronomy and Astrophysics* **457**, 553-559 (2006)

*Corbin, M. R., W. D. Vacca, R. Cid Fernandes, J. E. Hibbard, R. S. Somerville and R. A. Windhorst:* Ultracompact blue dwarf galaxies: HUBBLE Space Telescope imaging and stellar population analysis. *The Astrophysical Journal* **651**, 861-873 (2006)

*Cox, T. J., P. Jonsson, J. R. Primack and R. S. Somerville:* Feedback in simulations of disc-galaxy major mergers. *Monthly Notices of the Royal Astronomical Society* **373**, 1013-1038 (2006)

*Dale, D. A., J. D. T. Smith, L. Armus, B. A. Buckalew, G. Helou, R. C. Kennicutt, Jr., J. Moustakas, H. Roussel, K. Sheth, G. J. Bendo, D. Calzetti, B. T. Draine, C. W. Engelbracht, K. D. Gordon, D. J. Hollenbach, T. H. Jarrett, L. J. Kewley, C. Leitherer, A. Li, S. Malhotra, E. J. Murphy and F. Walter:* Mid-infrared spectral diagnostics of nuclear and extranuclear regions in nearby galaxies. *The Astrophysical Journal* **646**, 161-173 (2006)

*Dannerbauer, H., E. Daddi, M. Onodera, X. Kong, H. Röttgering, N. Arimoto, M. Brusa, A. Cimatti, J. Kurk, M. Lehnert, M. Mignoli and A. Renzini:* MAMBO 1.2 mm observations of BzK-selected star-forming galaxies at  $z \sim 2$ . *The Astrophysical Journal* **637**, L5-L8 (2006)

*de Blok, W. J. G. and F. Walter:* The Stellar population and interstellar medium in NGC 6822. *The Astronomical Journal* **131**, 343-362 (2006)

*de Blok, W. J. G. and F. Walter:* The star formation threshold in NGC 6822. *The Astronomical Journal* **131**, 363-374 (2006)

*de Rijcke, S., P. Buyle, J. Cannon, F. Walter, A. Lundgren, D. Michielsen and H. Dejonghe:* APEX CO<sub>(3-2)</sub> observations of NGC 6822. *Astronomy and Astrophysics* **454**, L111-L114 (2006)

*Debattista, V. P., I. Ferreras, A. Pasquali, A. Seth, S. De Rijcke and L. Morelli:* The binary nucleus in VCC 128: A candidate supermassive black hole in a dwarf elliptical galaxy. *The Astrophysical Journal* **651**, L97-L100 (2006)

*Dib, S., E. Bell and A. Burkert:* The supernova rate-velocity dispersion relation in the interstellar medium. *The Astrophysical Journal* **638**, 797-810 (2006)

*Emsellem, E., K. Fathi, H. Wozniak, P. Ferruit, C. G. Mundell and E. Schinnerer:* Gas and stellar dynamics in NGC 1068: probing the galactic gravitational potential. *Monthly Notices of the Royal Astronomical Society* **365**, 367-384 (2006)

*Engelbracht, C. W., P. Kundurthy, K. D. Gordon, G. H. Rieke, R. C. Kennicutt, J. D. T. Smith, M. W. Regan, D. Makovoz, M. Sosey, B. T. Draine, G. Helou, L. Armus, D. Calzetti, M. Meyer, G. J. Bendo, F. Walter, D. Hollenbach, J. M. Cannon, E. J. Murphy, D. A. Dale, B. A. Buckalew and K. Sheth:* Extended mid-infrared aromatic feature emission in M82. *The Astrophysical Journal* **642**, L127-L132 (2006)

*Fendt, C.:* Collimation of astrophysical jets: The role of the accretion disk magnetic field distribution. *The Astrophysical Journal* **651**, 272-287 (2006)

*Ferreras, I., A. Pasquali, R. R. de Carvalho, I. G. de la Rosa and O. Lahav:* A principal component analysis approach to the star formation history of elliptical galaxies in compact groups. *Monthly Notices of the Royal Astronomical Society* **370**, 828-836 (2006)

*Fontanot, F., P. Monaco, S. Cristiani and P. Tozzi:* The effect of stellar feedback and quasar winds on the active galactic nucleus population. *Monthly Notices of the Royal Astronomical Society* **373**, 1173-1187 (2006)

*Förster Schreiber, N. M., M. Franx, I. Labbé, G. Rudnick, P. G. van Dokkum, G. D. Illingworth, K. Kuijken, A. F. M. Moorwood, H. W. Rix, H. Röttgering and P. van der Werf:* Faint Infrared Extragalactic Survey: Data and source catalog of the MS 1054-03 Field. *The Astronomical Journal* **131**, 1891-1913 (2006)

*Fuchs, B., S. Phleps and K. Meisenheimer:* CADIS has seen the Virgo overdensity and

parts of the Monoceros and »Orphan« streams in retrospect. *Astronomy and Astrophysics* **457**, 541-543 (2006)

*Gabasch, A., U. Hopp, G. Feulner, R. Bender, S. Seitz, R. P. Saglia, J. Snigula, N. Drory, I. Appenzeller, J. Heidt, D. Mehlert, S. Noll, A. Böhm, K. Jäger and B. Ziegler:* The evolution of the luminosity functions in the FORS deep field from low to high redshift. II. The red bands. *Astronomy and Astrophysics* **448**, 101-121 (2006)

*Häring-Neumayer, N., M. Cappellari, H. W. Rix, M. Hartung, M. A. Prieto, K. Meisenheimer and R. Lenzen:* VLT diffraction-limited imaging and spectroscopy in the NIR: Weighing the black hole in Centaurus A with NACO. *The Astrophysical Journal* **643**, 226-237 (2006)

*Heidt, J., K. Jäger and M. Dietrich:* The QSO HE1013-2136 ( $z = 0.785$ ): Tracing the ULIRG-QSO connection towards large look-back times? *New Astronomy Reviews* **50**, 762-765 (2006)

*Heymans, C., E. F. Bell, H.-W. Rix, M. Barden, A. Borch, J. A. R. Caldwell, D. H. McIntosh, K. Meisenheimer, C. Y. Peng, C. Wolf, S. V. W. Beckwith, B. Häußler, K. Jahnke, S. Jogee, S. F. Sánchez, R. Somerville and L. Wisotzki:* A weak lensing estimate from GEMS of the virial to stellar mass ratio in massive galaxies to  $z \sim 0.8$ . *Monthly Notices of the Royal Astronomical Society* **371**, L60-L64 (2006)

*Heymans, C., L. Van Waerbeke, D. Bacon, J. Berge, G. Bernstein, E. Bertin, S. Bridle, M. L. Brown, D. Clowe, H. Dahle, T. Erben, M. Gray, M. Hetterscheidt, H. Hoekstra, P. Hudelot, M. Jarvis, K. Kuijken, V. Margoniner, R. Massey, Y. Mellier, R. Nakajima, A. Refregier, J. Rhodes, T. Schrabback and D. Wittman:* The Shear Testing Programme – I. Weak lensing analysis of simulated ground-based observations. *Monthly Notices of the Royal Astronomical Society* **368**, 1323-1339 (2006)

*Hippler, S., F. Hormuth, D. J. Butler, W. Brandner and T. Henning:* Atmosphere-like turbulence generation with surface-etched phase-screens. *Optics Express* **14**, 10139-10148 (2006)

*Hopkins, P. F., R. S. Somerville, L. Hernquist, T. J. Cox, B. Robertson and Y. Li:* The relation between quasar and merging galaxy luminosity functions and the merger-driven star formation history of the Universe. *The Astrophysical Journal* **652**, 864-888 (2006)

*Ivezic, Z., D. Schlegel, A. Uomoto, N. Bond, T. Beers, C. Allende Prieto, R. Wilhelm, Y. S. Lee, T. Sivarani, M. Juric, R. Lupton, C. Rockosi, G. Knapp, J. Gunn, B. Yanny, S. Jester, S. Kent, J. Pier, J. Munn, G. Richards, H. Newberg, M. Blanton, D. Eisenstein, S. Hawley, S. Anderson, H. Harris, F. Kiuchi, A. Chen, J. Bushong, H. Sohi, D. Haggard, A. Kimball, J. Barentine, H. Brewington, M. Harvanek, S. Kleinman, J. Krzesinski, D. Long, A. Nitta and S. Snedden:* SDSS spectroscopic survey of stars. *Memorie della Società Astronomica Italiana* **77**, 1057 (2006)

*Jackson, D. C., J. M. Cannon, E. D. Skillman, H. Lee, R. D. Gehrz, C. E. Woodward and E. Polomski:* Hot dust and polycyclic aromatic hydrocarbon emission at low metallicity: A SPITZER survey of local group and other nearby dwarf galaxies. *The Astrophysical Journal* **646**, 192-204 (2006)

*Jahnke, K., S. F. Sánchez and A. Koekemoer:* Seeing the sky through HUBBLE's eye: The COSMOS SkyWalker. *Publications of the Astronomical Society of the Pacific* **118**, 1186-1189 (2006)

*Jahnke, K., L. Wisotzki and S. F. Sánchez:* Young stars in high- $z$  QSO host galaxies. *New Astronomy Reviews* **50**, 766-768 (2006)

*Jester, S., D. E. Harris, H. L. Marshall and K. Meisenheimer:* New Chandra observations of the Jet in 3C 273. I. Softer X-ray than radio spectra and the X-ray emission mechanism. *The Astrophysical Journal* **648**, 900-909 (2006)

*Jetha, N. N., M. J. Hardcastle and I. Sakelliou:* Jet speeds in wide-angle tailed radio galaxies. *Monthly Notices of the Royal Astronomical Society* **368**, 609-618 (2006)

*Jiang, L., X. Fan, D. C. Hines, Y. Shi, M. Vestergaard, F. Bertoldi, W. N. Brandt, C. L. Carilli, P. Cox, E. Le Floc'h, L. Pentericci, G. T. Richards, G. H. Rieke, D. P. Schneider, M. A. Strauss, F. Walter and J. Brinkmann:* Probing the evolution of infrared properties of  $z \sim 6$  quasars: SPITZER observations. The Astronomical Journal **132**, 2127-2134 (2006)

*Jonsson, P., T. J. Cox, J. R. Primack and R. S. Somerville:* Simulations of dust in interacting galaxies. I. Dust attenuation. The Astrophysical Journal **637**, 255-268 (2006)

*Kleinheinrich, M., P. Schneider, H. W. Rix, T. Erben, C. Wolf, M. Schirmer, K. Meisenheimer, A. Borch, S. Dye, Z. Kovacs and L. Wisotzki:* Weak lensing measurements of dark matter halos of galaxies from COMBO-17. Astronomy and Astrophysics **455**, 441-451 (2006)

*Knudsen, K. K., V. E. Barnard, P. P. van der Werf, P. Vielva, J. P. Kneib, A. W. Blain, R. B. Barreiro, R. J. Ivison, I. Smail and J. A. Peacock:* An ultradeep submillimetre map: Beneath the SCUBA confusion limit with lensing and robust source extraction. Monthly Notices of the Royal Astronomical Society **368**, 487-496 (2006)

*Kondo, S., N. Kobayashi, Y. Minowa, T. Tsujimoto, C. W. Churchill, N. Takato, M. Iye, Y. Kamata, H. Terada, T.-S. Pyo, H. Takami, Y. Hayano, T. Kanzawa, D. Saint-Jacques, W. Gaessler, S. Oya, K. Nedachi and A. Tokunaga:* First detection of Na I D lines in high-redshift damped Ly $\alpha$  Systems. The Astrophysical Journal **643**, 667-674 (2006)

*Körding, E. G., S. Jester and R. Fender:* Accretion states and radio loudness in active galactic nuclei: analogies with X-ray binaries. Monthly Notices of the Royal Astronomical Society **372**, 1366-1378 (2006)

*Kriek, M., P. G. van Dokkum, M. Franx, N. M. Förster Schreiber, E. Gawiser, G. D. Illingworth, I. Labbé, D. Marchesini, R. Quadri, H.-W. Rix, G. Rudnick, S. Toft, P. van der Werf and S. Wuyts:* Direct measurements of the stellar continua and Balmer/4000 Å breaks of Red  $z > 2$  Galaxies: Redshifts and improved constraints on stellar populations1. The Astrophysical Journal **645**, 44-54 (2006)

*Kriek, M., P. G. van Dokkum, M. Franx, R. Quadri, E. Gawiser, D. Herrera, G. D. Illingworth, I. Labbé, P. Lira, D. Marchesini, H.-W. Rix, G. Rudnick, E. N. Taylor, S. Toft, C. M. Urry and S. Wuyts:* Spectroscopic identification of massive galaxies at  $z \sim 2.3$  with strongly suppressed star formation. The Astrophysical Journal **649**, L71-L74 (2006)

*Kundurthy, P., M. R. Meyer, M. Robberto, S. V. W. Beckwith and T. Herbst:* Mid-Infrared observations of T Tauri stars: Probing the star-disk connection in rotational evolution. The Astronomical Journal **132**, 2469-2477 (2006)

*Labadie, L., C. Vigreux-Bercovici, A. Pradel, P. Kern, B. Arezki and J.-E. Broquin:* M-lines characterization of selenide and telluride thick films for mid-infrared interferometry. Optics Express **14**, 8459-8469 (2006)

*Lee, H., E. D. Skillman, J. M. Cannon, D. C. Jackson, R. D. Gehrz, E. F. Polomski and C. E. Woodward:* On extending the mass-metallicity relation of galaxies by 2.5 decades in stellar mass. The Astrophysical Journal **647**, 970-983 (2006)

*Lee, K.-S., M. Giavalisco, O. Y. Gnedin, R. S. Somerville, H. C. Ferguson, M. Dickinson and M. Ouchi:* The large-scale and small-scale clustering of Lyman Break Galaxies at  $3.5 \leq z \leq 5.5$  from the GOODS Survey. The Astrophysical Journal **642**, 63-80 (2006)

*Leroy, A., A. Bolatto, F. Walter and L. Blitz:* Molecular gas in the low-metallicity, star-forming dwarf IC 10. The Astrophysical Journal **643**, 825-843 (2006)

*Letawe, G., P. Magain, F. Courbin, P. Jablonka, G. Meylan, K. Jahnke and L. Wisotzki:* VLT on-axis spectroscopy of quasar host galaxies. New Astronomy Reviews **50**, 779-781 (2006)

*Maier, C., S. J. Lilly, C. M. Carollo, K. Meisenheimer, H. Hippelein and A. Stockton:* Oxygen gas abundances at  $z \sim 1.4$ : Implications for the chemical evolution

history of galaxies. *The Astrophysical Journal* **639**, 858-867 (2006)

*Maraston, C., E. Daddi, A. Renzini, A. Cimatti, M. Dickinson, C. Papovich, A. Pasquali and N. Pirzkal:* Evidence for TP-AGB stars in high-redshift galaxies, and their effect on deriving stellar population parameters. *The Astrophysical Journal* **652**, 85-96 (2006)

*Marcillac, D., D. Elbaz, S. Charlot, Y. C. Liang, F. Hammer, H. Flores, C. Cesarsky and A. Pasquali:* The star formation history of luminous infrared galaxies. *Astronomy and Astrophysics* **458**, 369-383 (2006)

*Masciadri, E. and S. Egner:* First seasonal study of optical turbulence with an atmospheric model. *Publications of the Astronomical Society of the Pacific* **118**, 1604-1619 (2006)

*Masjedi, M., D. W. Hogg, R. J. Cool, D. J. Eisenstein, M. R. Blanton, I. Zehavi, A. A. Berlind, E. F. Bell, D. P. Schneider, M. S. Warren and J. Brinkmann:* Very small scale clustering and merger rate of Luminous Red Galaxies. *The Astrophysical Journal* **644**, 54-60 (2006)

*McIntosh, D. H., E. F. Bell, M. D. Weinberg and N. Katz:* Nature and completeness of galaxies detected in the Two Micron All Sky Survey. *Monthly Notices of the Royal Astronomical Society* **373**, 1321-1338 (2006)

*Mehlert, D., C. Tapken, I. Appenzeller, S. Noll, D. de Mello and T. M. Heckman:* Medium-resolution spectroscopy of galaxies with redshifts  $2.3 < z < 3.5$ . *Astronomy and Astrophysics* **455**, 835-843 (2006)

*Miley, G. K., R. A. Overzier, A. W. Zirm, H. C. Ford, J. Kurk, L. Pentericci, J. P. Blakeslee, M. Franx, G. D. Illingworth, M. Postman, P. Rosati, H. J. A. Röttgering, B. P. Venemans and E. Helder:* The Spiderweb galaxy: A forming massive cluster galaxy at  $z \sim 2$ . *The Astrophysical Journal* **650**, L29-L32 (2006)

*Monaco, P., G. Murante, S. Borgani and F. Fontanot:* Diffuse stellar component in galaxy clusters and the evolution of the most massive galaxies at  $z < \sim 1$ . *The Astrophysical Journal* **652**, L89-L92 (2006)

*Murphy, E. J., R. Braun, G. Helou, L. Armus, J. D. P. Kenney, K. D. Gordon, G. J. Bendo, D. A. Dale, F. Walter, T. A. Oosterloo, R. C. Kennicutt, Jr., D. Calzetti, J. M. Cannon, B. T. Draine, C. W. Engelbracht, D. J. Hollenbach, T. H. Jarrett, L. J. Kewley, C. Leitherer, A. Li, M. J. Meyer, M. W. Regan, G. H. Rieke, M. J. Rieke, H. Roussel, K. Sheth, J. D. T. Smith and M. D. Thornley:* An initial look at the far-infrared-radio correlation within nearby star-forming galaxies using the SPITZER Space Telescope. *The Astrophysical Journal* **638**, 157-175 (2006)

*Murphy, E. J., G. Helou, R. Braun, J. D. P. Kenney, L. Armus, D. Calzetti, B. T. Draine, R. C. Kennicutt, Jr., H. Roussel, F. Walter, G. J. Bendo, B. Buckalew, D. A. Dale, C. W. Engelbracht, J. D. T. Smith and M. D. Thornley:* The effect of star formation on the far-infrared-radio correlation within galaxies. *The Astrophysical Journal* **651**, L111-L115 (2006)

*Naab, T. and I. Trujillo:* Surface density profiles of collisionless disc merger remnants. *Monthly Notices of the Royal Astronomical Society* **369**, 625-644 (2006)

*Neistein, E., F. C. van den Bosch and A. Dekel:* Natural downsizing in hierarchical galaxy formation. *Monthly Notices of the Royal Astronomical Society* **372**, 933-948 (2006)

*Nota, A., M. Sirianni, E. Sabbi, M. Tosi, M. Clampin, J. Gallagher, M. Meixner, M. S. Oey, A. Pasquali, L. J. Smith, R. Walterbos and J. Mack:* Discovery of a population of pre-main-sequence stars in NGC 346 from Deep HUBBLE Space Telescope ACS images. *The Astrophysical Journal* **640**, L29-L33 (2006)

*Obric, M., Z. Ivezić, P. N. Best, R. H. Lupton, C. Tremonti, J. Brinchmann, M. A. Agüeros, G. R. Knapp, J. E. Gunn, C. M. Rockosi, D. Schlegel, D. Finkbeiner, M. Gacesa, V. Smolcic, S. F. Anderson, W. Voges, M. Juric, R. J. Siverd, W. Steinhardt, A. S. Jagoda, M. R. Blanton and D. P. Schneider:* Panchromatic

properties of 99 000 galaxies detected by SDSS, and (some by) ROSAT, GALEX, 2MASS, IRAS, GB6, FIRST, NVSS and WENSS surveys. Monthly Notices of the Royal Astronomical Society **370**, 1677-1698 (2006)

*Ofek, E. O., D. Maoz, H.-W. Rix, C. S. Kochanek and E. E. Falco:* Spectroscopic redshifts for seven lens galaxies. The Astrophysical Journal **641**, 70-77 (2006)

*Pasquali, A., F. Comerón and A. Nota:* The birth-cluster of the galactic luminous blue variable WRA 751. Astronomy and Astrophysics **448**, 589-596 (2006)

*Pasquali, A., N. Pirzkal, S. Larsen, J. R. Walsh and M. Kümmel:* Slitless grism spectroscopy with the HUBBLE Space Telescope Advanced Camera for surveys. Publications of the Astronomical Society of the Pacific **118**, 270-287 (2006)

*Peñarrubia, J., A. J. Benson, D. Martínez-Delgado and H. W. Rix:* Modeling tidal streams in evolving dark matter halos. The Astrophysical Journal **645**, 240-255 (2006)

*Peng, C. Y., C. D. Impey, L. C. Ho, E. J. Barton and H.-W. Rix:* Probing the coevolution of supermassive black holes and quasar host galaxies. The Astrophysical Journal **640**, 114-125 (2006)

*Peng, C. Y., C. D. Impey, H.-W. Rix, E. E. Falco, C. R. Keeton, C. S. Kochanek, J. Lehár and B. A. McLeod:* Lensed quasar hosts. New Astronomy Reviews **50**, 689-693 (2006)

*Peng, C. Y., C. D. Impey, H.-W. Rix, C. S. Kochanek, C. R. Keeton, E. E. Falco, J. Lehár and B. A. McLeod:* Probing the coevolution of supermassive black holes and galaxies using gravitationally lensed quasar hosts. The Astrophysical Journal **649**, 616-634 (2006)

*Perlman, E. S., C. A. Padgett, M. Georganopoulos, W. B. Sparks, J. A. Biretta, C. P. O'Dea, S. A. Baum, M. Birkinshaw, D. M. Worrall, F. Dulwich, S. Jester, A. Martel, A. Capetti and J. P. Leahy:* Optical polarimetry of the jets of nearby radio galaxies. I. The data. The Astrophysical Journal **651**, 735-748 (2006)

*Phleps, S., J. A. Peacock, K. Meisenheimer and C. Wolf:* Galaxy clustering from COMBO-17: The halo occupation distribution at  $< z > = 0.6$ . Astronomy and Astrophysics **457**, 145-155 (2006)

*Pohlen, M. and I. Trujillo:* The structure of galactic disks. Studying late-type spiral galaxies using SDSS. Astronomy and Astrophysics **454**, 759-772 (2006)

*Pyo, T.-S., M. Hayashi, N. Kobayashi, A. T. Tokunaga, H. Terada, H. Takami, N. Takato, C. J. Davis, M. Takami, S. S. Hayashi, W. Gaessler, S. Oya, Y. Hayano, Y. Kamata, Y. Minowa, M. Iye, T. Usuda, T. Nishikawa and K. Nedachi:* Adaptive optics spectroscopy of the [Fe II] outflows from HL Tauri and RW Aurigae. The Astrophysical Journal **649**, 836-844 (2006)

*Ragazzoni, R., S. Kellner, W. Gaessler, E. Diolaiti and J. Farinato:* Pseudo-infinite guide stars for multi-conjugated adaptive optics on extremely large telescopes. Monthly Notices of the Royal Astronomical Society **368**, 1796-1802 (2006)

*Reijns, R. A., P. Seitzer, R. Arnold, K. C. Freeman, T. Ingerson, R. C. E. van den Bosch, G. van de Ven and P. T. de Zeeuw:* Radial velocities in the globular cluster omega Centauri. Astronomy and Astrophysics **445**, 503-511 (2006)

*Richards, G. T., M. Lacy, L. J. Storrie-Lombardi, P. B. Hall, S. C. Gallagher, D. C. Hines, X. Fan, C. Papovich, D. E. Vanden Berk, G. B. Trammell, D. P. Schneider, M. Vestergaard, D. G. York, S. Jester, S. F. Anderson, T. Budavári and A. S. Szalay:* Spectral energy distributions and multiwavelength selection of type 1 quasars. Astrophysical Journal Supplement Series **166**, 470-497 (2006)

*Richards, G. T., M. A. Strauss, X. Fan, P. B. Hall, S. Jester, D. P. Schneider, D. E. Vanden Berk, C. Stoughton, S. F. Anderson, R. J. Brunner, J. Gray, J. E. Gunn, Z. Ivezic, M. K. Kirkland, G. R. Knapp, J. Loveday, A. Meiksin, A. Pope, A. S. Szalay, A. R. Thakar, B. Yanny, D. G. York, J. C. Barentine, H. J. Brewington, J.*

*Brinkmann, M. Fukugita, M. Harvanek, S. M. Kent, S. J. Kleinman, J. Krzesinski, D. C. Long, R. H. Lupton, T. Nash, E. H. Neilsen, Jr., A. Nitta, D. J. Schlegel and S. A. Snedden:* The Sloan Digital Sky Survey quasar survey: Quasar luminosity function from data release 3. *The Astronomical Journal* **131**, 2766-2787 (2006)

*Riechers, D. A., F. Walter, C. L. Carilli, K. K. Knudsen, K. Y. Lo, D. J. Benford, J. G. Staguhn, T. R. Hunter, F. Bertoldi, C. Henkel, K. M. Menten, A. Weiss, M. S. Yun and N. Z. Scoville:* CO<sub>(1-0)</sub> in  $z > \sim 4$  quasar host galaxies: No evidence for extended molecular gas reservoirs. *The Astrophysical Journal* **650**, 604-613 (2006)

*Riechers, D. A., F. Walter, C. L. Carilli, A. Weiss, F. Bertoldi, K. M. Menten, K. K. Knudsen and P. Cox:* First detection of HCO<sup>+</sup> emission at high redshift. *The Astrophysical Journal* **645**, L13-L16 (2006)

*Riechers, D. A., A. Weiss, F. Walter, C. L. Carilli and K. K. Knudsen:* A search for H<sub>2</sub>O in the strongly lensed QSO MG 0751+2716 at  $z = 3.2$ . *The Astrophysical Journal* **649**, 635-639 (2006)

*Rossa, J., R. P. van der Marel, T. Böker, J. Gerssen, L. C. Ho, H.-W. Rix, J. C. Shields and C.-J. Walcher:* HUBBLE Space Telescope STIS spectra of nuclear star clusters in spiral galaxies: Dependence of age and mass on HUBBLE type. *The Astronomical Journal* **132**, 1074-1099 (2006)

*Roussel, H., G. Helou, J. D. Smith, B. T. Draine, D. J. Hollenbach, J. Moustakas, H. W. Spoon, R. C. Kennicutt, G. H. Rieke, F. Walter, L. Armus, D. A. Dale, K. Sheth, G. J. Bendo, C. W. Engelbracht, K. D. Gordon, M. J. Meyer, M. W. Regan and E. J. Murphy:* The opaque nascent starburst in NGC 1377: SPITZER SINGS observations. *The Astrophysical Journal* **646**, 841-857 (2006)

*Rudnick, G., I. Labbé, N. M. Förster Schreiber, S. Wuyts, M. Franx, K. Finlator, M. Kriek, A. Moorwood, H.-W. Rix, H. Röttgering, I. Trujillo, A. van der Wel, P. van der Werf and P. G. van Dokkum:* Measuring the average evolution of luminous galaxies at  $z < 3$ : The rest-frame optical luminosity density, spectral energy distribution, and stellar mass density. *The Astrophysical Journal* **650**, 624-643 (2006)

*Sakelliou, I. and T. J. Ponman:* XMM-Newton observations of Abell 2255: a test case of a merger after »core crossing«. *Monthly Notices of the Royal Astronomical Society* **367**, 1409-1416 (2006)

*Sánchez, S. F., B. García-Lorenzo, K. Jahnke, E. Mediavilla, J. I. González-Serrano, L. Christensen and L. Wisotzki:* A new technique for decoupling the host and nuclear spectra of type I AGNs using integral field spectroscopy. *Astronomische Nachrichten* **327**, 167-170 (2006)

*Sánchez, S. F., B. García-Lorenzo, K. Jahnke, E. Mediavilla, J. I. González-Serrano, L. Christensen and L. Wisotzki:* Decoupling the host and nuclear spectra of type I AGNs using integral field spectroscopy: A test on 3C 120. *New Astronomy Reviews* **49**, 501-507 (2006)

*Schinnerer, E., T. Böker, E. Emsellem and U. Lisenfeld:* Molecular gas dynamics in NGC 6946: A bar-driven nuclear starburst »Caught in the Act«. *The Astrophysical Journal* **649**, 181-200 (2006)

*Schramm, M., L. Wisotzki and K. Jahnke:* Host galaxies of luminous high redshift quasars. *New Astronomy Reviews* **50**, 806-808 (2006)

*Schwartz, D. A., H. L. Marshall, J. E. J. Lovell, D. W. Murphy, G. V. Bicknell, M. Birkinshaw, J. M. Gelbord, M. Georganopoulos, L. Godfrey, D. L. Jauncey, S. Jester, E. S. Perlman and D. M. Worrall:* Discovery of an X-ray jet and extended jet structure in the quasar PKS 1055+201. *The Astrophysical Journal* **647**, L107-L110 (2006)

*Shapiro, K. L., M. Cappellari, T. de Zeeuw, R. M. McDermid, K. Gebhardt, R. C. E. van den Bosch and T. S. Statler:* The black hole in NGC 3379: a comparison of gas and stellar dynamical mass measurements with HST and integral-field data. *Monthly Notices of the Royal Astronomical Society* **370**, 559-579 (2006)

*Smolcic, V., Z. Ivezic, M. Gacesa, K. Rakos, K. Pavlovski, S. Ilijic, M. Obrić, R. H. Lupton, D. Schlegel, G. Kauffmann, C. Tremonti, J. Brinchmann, S. Charlot, T. M. Heckman, G. R. Knapp, J. E. Gunn, J. Brinkmann, I. Csabai, M. Fukugita and J. Loveday:* The rest-frame optical colours of 99000 Sloan Digital Sky Survey galaxies. Monthly Notices of the Royal Astronomical Society **371**, 121-137 (2006)

*Staff, J. E., C. Fendt and R. Ouyed:* Cannonballs in the context of gamma ray bursts. Formation sites? Astronomy and Astrophysics **451**, 1-8 (2006)

*Tapken, C., I. Appenzeller, A. Gabasch, J. Heidt, U. Hopp, R. Bender, D. Mehlert, S. Noll, S. Seitz and W. Seifert:* Ly $\alpha$  emission galaxies at a redshift of  $z \sim 5.7$  in the FORS deep field. Astronomy and Astrophysics **455**, 145-152 (2006)

*Trujillo, I., C. Carretero and S. G. Patiri:* Detection of the effect of cosmological large-scale structure on the orientation of galaxies. The Astrophysical Journal **640**, L111-L114 (2006)

*Trujillo, I., N. M. Förster Schreiber, G. Rudnick, M. Barden, M. Franx, H.-W. Rix, J. A. R. Caldwell, D. H. McIntosh, S. Toft, B. Häussler, A. Zirm, P. G. van Dokkum, I. Labbé, A. Moorwood, H. Röttgering, A. van der Wel, P. van der Werf and L. van Starkenburg:* The size evolution of galaxies since  $z \sim 3$ : Combining SDSS, GEMS, and FIRES. The Astrophysical Journal **650**, 18-41 (2006)

*Uchiyama, Y., C. M. Urry, C. C. Cheung, S. Jester, J. Van Duyne, P. Coppi, R. M. Sambruna, T. Takahashi, F. Tavecchio and L. Maraschi:* Shedding new light on the 3C 273 jet with the SPITZER Space Telescope. The Astrophysical Journal **648**, 910-921 (2006)

*van de Ven, G., R. C. E. van den Bosch, E. K. Verolme and P. T. de Zeeuw:* The dynamical distance and intrinsic structure of the globular cluster  $\omega$  Centauri. Astronomy and Astrophysics **445**, 513-543 (2006)

*van der Wel, A., M. Franx, P. G. van Dokkum, J. Huang, H. W. Rix and G. D. Illingworth:* The evolution of rest-frame K-band properties of early-type galaxies from  $z = 1$  to the present. The Astrophysical Journal **636**, L21-L24 (2006)

*van der Wel, A., M. Franx, S. Wuyts, P. G. van Dokkum, J. Huang, H. W. Rix and G. D. Illingworth:* Comparing dynamical and photometric mass estimates of low- and high-redshift galaxies: Random and systematic uncertainties. The Astrophysical Journal **652**, 97-106 (2006)

*van Dokkum, P. G., R. Quadri, D. Marchesini, G. Rudnick, M. Franx, E. Gawiser, D. Herrera, S. Wuyts, P. Lira, I. Labbé, J. Maza, G. D. Illingworth, N. M. Förster Schreiber, M. Kriek, H. W. Rix, E. N. Taylor, S. Toft, T. Webb and S. K. Yi:* The space density and colors of massive galaxies at  $2 < z < 3$ : The predominance of distant red galaxies. The Astrophysical Journal **638**, L59-L62 (2006)

*Vanden Berk, D. E., J. Shen, C.-W. Yip, D. P. Schneider, A. J. Connolly, R. E. Burton, S. Jester, P. B. Hall, A. S. Szalay and J. Brinkmann:* Spectral decomposition of broad-line AGNs and host galaxies. The Astronomical Journal **131**, 84-99 (2006)

*Wake, D. A., R. C. Nichol, D. J. Eisenstein, J. Loveday, A. C. Edge, R. Cannon, I. Smail, D. P. Schneider, R. Scranton, D. Carson, N. P. Ross, R. J. Brunner, M. Colless, W. J. Couch, S. M. Croom, S. P. Driver, J. da Ångela, S. Jester, R. de Propris, M. J. Drinkwater, J. Bland-Hawthorn, K. A. Pimbblet, I. G. Roseboom, T. Shanks, R. G. Sharp and J. Brinkmann:* The 2df SDSS LRG and QSO survey: evolution of the luminosity function of luminous red galaxies to  $z = 0.6$ . Monthly Notices of the Royal Astronomical Society **372**, 537-550 (2006)

*Walcher, C. J., T. Böker, S. Charlot, L. C. Ho, H. W. Rix, J. Rossa, J. C. Shields and R. P. van der Marel:* Stellar populations in the nuclei of late-type spiral galaxies. The Astrophysical Journal **649**, 692-708 (2006)

*Walter, F., C. L. Martin and J. Ott:* Extended star formation and molecular gas in the tidal arms near NGC 3077. The Astronomical Journal **132**, 2289-2295 (2006)

Weinmann, S. M., F. C. van den Bosch, X. Yang and H. J. Mo: Properties of galaxy groups in the Sloan Digital Sky Survey – I. The dependence of colour, star formation and morphology on halo mass. Monthly Notices of the Royal Astronomical Society **366**, 2-28 (2006)

Weinmann, S. M., F. C. van den Bosch, X. Yang, H. J. Mo, D. J. Croton and B. Moore: Properties of galaxy groups in the Sloan Digital Sky Survey – II. Active galactic nucleus feedback and star formation truncation. Monthly Notices of the Royal Astronomical Society **372**, 1161-1174 (2006)

Westra, E., D. H. Jones, C. E. Lidman, K. Meisenheimer, R. M. Athreya, C. Wolf, T. Szeifert, E. Pompei and L. Vanzi: The wide field imager Lyman-alpha search (WFILAS) for galaxies at redshift  $\sim 5.7$ . II. Survey design and sample analysis. Astronomy and Astrophysics **455**, 61-72 (2006)

Wisotzki, L., K. Jahnke, S. F. Sanchez and M. Schramm: The evolution of QSO host colours. New Astronomy Reviews **50**, 829-832 (2006)

Yang, X., H. J. Mo and F. C. van den Bosch: Observational evidence for an age dependence of halo bias. The Astrophysical Journal **638**, L55-L58 (2006)

Yang, X., H. J. Mo, F. C. van den Bosch, Y. P. Jing, S. M. Weinmann and M. Meneghetti: Weak lensing by galaxies in groups and clusters – I. Theoretical expectations. Monthly Notices of the Royal Astronomical Society **373**, 1159-1172 (2006)

Yang, X., F. C. van den Bosch, H. J. Mo, S. Mao, X. Kang, S. M. Weinmann, Y. Guo and Y. P. Jing: The alignment between the distribution of satellites and the orientation of their central galaxy. Monthly Notices of the Royal Astronomical Society **369**, 1293-1302 (2006)

Zheng, X. Z., E. F. Bell, H.-W. Rix, C. Papovich, E. Le Floc'h, G. H. Rieke and P. G. Pérez-González: Detecting faint galaxies by stacking at 24  $\mu\text{m}$ . The Astrophysical Journal **640**, 784-800 (2006)

Zucker, D. B., V. Belokurov, N. W. Evans, J. T. Kleyna, M. J. Irwin, M. I. Wilkinson, M. Fellhauer, D. M. Bramich, G. Gilmore, H. J. Newberg, B. Yanny, J. A. Smith, P. C. Hewett, E. F. Bell, H. W. Rix, O. Y. Gnedin, S. Vidrih, R. F. G. Wyse, B. Willman, E. K. Grebel, D. P. Schneider, T. C. Beers, A. Y. Kniazev, J. C. Barentine, H. Brewington, J. Brinkmann, M. Harvanek, S. J. Kleinman, J. Krzesinski, D. Long, A. Nitta and S. A. Snedden: A curious Milky Way satellite in Ursa Major. The Astrophysical Journal **650**, L41-L44 (2006)

Zucker, D. B., V. Belokurov, N. W. Evans, M. I. Wilkinson, M. J. Irwin, T. Sivarani, S. Hodgkin, D. M. Bramich, J. M. Irwin, G. Gilmore, B. Willman, S. Vidrih, M. Fellhauer, P. C. Hewett, T. C. Beers, E. F. Bell, E. K. Grebel, D. P. Schneider, H. J. Newberg, R. F. G. Wyse, C. M. Rockosi, B. Yanny, R. Lupton, J. A. Smith, J. C. Barentine, H. Brewington, J. Brinkmann, M. Harvanek, S. J. Kleinman, J. Krzesinski, D. Long, A. Nitta and S. A. Snedden: A new Milky Way dwarf satellite in Canes Venatici. The Astrophysical Journal **643**, L103-L106 (2006)

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# Galaxien und Kosmologie / Galaxies / Cosmology (2006)

## Contributed Papers

*Barazza, F. D., S. Jogee, H. W. Rix, M. Barden, E. F. Bell, J. A. R. Caldwell, D. H. McIntosh, K. Meisenheimer, C. Y. Peng and C. Wolf:* Studying Distant Dwarf Galaxies with GEMS and SDSS. In: New Horizons in Astronomy, (Ed.) F. N. Bash. ASP Conf. Ser. **352**, ASP, 225-228 (2006)

*Bertram, T., H. Baumeister, W. Laun, C. Straubmeier, S. Rost, Y. Wang and A. Eckart:* The LINC-NIRVANA FrInGe and flexure tracker: Cryo-ambient mechanical design. In: Advances in Stellar Interferometry, (Eds.) J. D. Monnier, M. Schöller, W. C. Danchi. SPIE **6268**, SPIE, 62683L (2006)

*Berwein, J., A. Pavlov, F. Briegel, W. Gaessler and C. Storz:* Reactive scheduling for LINC-NIRVANA. In: Observatory Operations: Strategies, Processes, and Systems, (Eds.) D. R. Silva, R. E. Doxsey. SPIE **6270**, SPIE, 627010 (2006)

*Bizenberger, P., E. Diolaiti, S. Egner, T. M. Herbst, R. Ragazzoni, D. Reymann and W. Xu:* LINC-NIRVANA: Optical design of an interferometric imaging camera. In: Ground-based and Airborne Instrumentation for Astronomy, (Eds.) I. S. McLean, M. Iye. SPIE **6269**, SPIE, 62690D-1-8 (2006)

*Briegel, F., J. Berwein, F. Kittmann, V. Volchkov, L. Mohr, W. Gaessler, T. Bertram, S. Rost and Y. Wang:* The LINC-NIRVANA common software. In: Advanced Software and Control for Astronomy, (Eds.) H. Lewis, A. Bridger. SPIE **6274**, SPIE, 62741M (2006)

*Cannon, J. M., E. D. Skillman, K. R. Sembach and D. J. Bomans:* Probing the multiphase interstellar medium of the dwarf starburst galaxy NGC 625 with FUSE spectroscopy. In: Astrophysics in the Far Ultraviolet: Five Years of Discovery with FUSE, (Eds.) G. Sonneborn, H. Moos, B.-G. Andersson. ASP Conf. Ser. **348**, ASP, 489-494 (2006)

*Cappellari, M., R. Bacon, M. Bureau, M. C. Damen, R. L. Davies, P. T. de Zeeuw, E. Emsellem, J. Falcón-Barroso, D. Krajnovic, H. Kuntschner, R. M. McDermid, R. F. Peletier, M. Sarzi, R. C. E. van den Bosch and G. van de Ven:* Dark matter in the central regions of early type galaxies. In: Mass Profiles and Shapes of Cosmological Structures, (Eds.) G. A. Mamon, F. Combes, C. Deffayet, B. Fort. EAS Publications Series **20**, EDP Sciences, 127-130 (2006)

*Cecconi, M., A. Ghedina, P. Bagnara, A. Baruffolo, C. J. Carmona Rodriguez, G. Cresci, E. Diolaiti, J. Farinato, W. Gaessler, L. C. González Suárez, F. Mannucci, R. Ragazzoni and A. L. Riverol Rodríguez:* Status progress of AdOpt@TNG and offer to the international astronomical community. In: Advances in Adaptive Optics II, (Eds.) B. L. Ellerbroek, D. Bonaccini Calia. SPIE **6272**, SPIE, 62722G (2006)

*Eckart, A., R. Schödel, C. Straubmeier, T. Bertram, J.-U. Pott, K. Muzic, L. Meyer, J. Moultsaka, T. Viehmann, S. Rost and T. Herbst:* Interferometric observations of the galactic center: LBT and VLTI. In: Advances in Stellar Interferometry, (Eds.) J. D. Monnier, M. Schöller, W. C. Danchi. SPIE **6268**, SPIE, 62681J -1-10 (2006)

*Egner, S. E., W. Gaessler, R. Ragazzoni, B. LeRoux, T. M. Herbst, J. Farinato, E. Diolaiti and C. Arcidiacono:* MANU-CHAO: a laboratory ground-layer adaptive optics experiment. In: Advances in Adaptive Optics II, (Eds.) B. L. Ellerbroek, D. Bonaccini Calia. SPIE **6272**, SPIE, 62724X -1-12 (2006)

*Egner, S. E., E. Masciadri, D. McKenna and T. M. Herbst:* Beyond conventional G-SCIDAR: the ground-layer in high vertical resolution. In: Advances in Adaptive Optics II, (Eds.) B. L. Ellerbroek, D. Bonaccini Calia. SPIE **6272**, SPIE, 627256-1-9 (2006)

*Egner, S. E., E. Masciadri, D. McKenna, T. M. Herbst and W. Gaessler:* G-SCIDAR

measurements on Mt. Graham: recent results. In: *Advances in Adaptive Optics II*, (Eds.) B. L. Ellerbroek, D. Bonaccini Calia. SPIE **6272**, SPIE, 627257-1-10 (2006)

*Farinato, J., R. Ragazzoni, C. Arcidiacono, G. Giorgia, E. Diolaiti, I. Foppiani, M. Lombini, L. Schreiber, D. Lorenzetti, F. D'Alessio, G. Li Causi, F. Pedichini, F. Vitali, T. Herbst, M. Kürster, P. Bizenberger, F. Briegel, F. De Bonis, S. Egner, W. Gässler, L. Mohr, A. Pavlov, R. R. Rohloff and R. Soci:* The MCAO wavefront sensing system of LINC-NIRVANA: status report. In: *Advances in Adaptive Optics II*, (Eds.) B. L. Ellerbroek, D. Bonaccini Calia. SPIE **6272**, SPIE, 627229-1-9 (2006)

*Feldt, M., Y. Hayano, H. Takami, T. Usuda, M. Watanabe, M. Iye, M. Goto, P. Bizenberger, S. Egner and D. Peter:* SUPY: an infrared pyramid wavefront sensor for SUBARU. In: *Advances in Adaptive Optics II*, (Eds.) B. L. Ellerbroek, D. Bonaccini Calia. SPIE **6272**, SPIE, 62722A-1-7 (2006)

*Gál, C., F. Müller-Sánchez, A. Krabbe, F. Eisenhauer, C. Iserlohe, M. Haug and T. M. Herbst:* LIINUS/SERPIL: a design study for interferometric imaging spectroscopy at the LBT. In: *Ground-based and Airborne Instrumentation for Astronomy*, (Eds.) I. S. McLean, M. Iye. SPIE **6269**, SPIE, 626930-1-12 (2006)

*Gardner, J. P., J. C. Mather, M. Clampin, R. Doyon, M. A. Greenhouse, H. B. Hammel, J. B. Hutchings, P. Jakobsen, S. J. Lilly, K. S. Long, J. I. Lunine, M. J. McCaughrean, M. Mountain, J. Nella, G. H. Rieke, M. J. Rieke, H.-W. Rix, E. P. Smith, G. Sonneborn, M. Stiavelli, H. S. Stockman, R. A. Windhorst and G. S. Wright:* Science with the James Webb space telescope. In: *Space Telescopes and Instrumentation I: Optical, Infrared, and Millimeter*, (Eds.) J. C. Mather, H. A. MacEwen, M. de Graauw. SPIE **6265**, SPIE, 62650J (2006)

*Kellner, S., R. Ragazzoni, E. Diolaiti, W. Gaessler and J. Farinato:* Eliminating perspective elongation for LGS based AO-systems at ELTs. In: *Advances in Adaptive Optics II*, (Eds.) B. L. Ellerbroek, D. Bonaccini Calia. SPIE **6272**, SPIE, 62725E-1-9 (2006)

*Kniazev, A., E. K. Grebel, D. Zucker, E. Bell and H. Harris:* Planetary nebulae in the outer disk and halo of M31. In: *Planetary Nebulae Beyond the Milky Way*, (Eds.) L. Stanghellini, J. R. Walsh, N. G. Douglas. ESO Astrophysics Symposia, Springer, 46-48 (2006)

*Labadie, L., L. t. Abel-Tiberini, E. LeCoarer, C. Vigreux-Bercovici, B. Arezki, M. Barillot, J.-E. Broquin, A. Delboulbé, P. Kern, V. Kirschner, P. Labeye, A. Pradel, C. Ruilier and P. Saguet:* Recent progress in mid-infrared integrated optics for nulling interferometry. In: *Advances in Stellar Interferometry*, (Eds.) J. D. Monnier, M. Schöller, W. C. Danchi. SPIE **6268**, SPIE, 62682E (2006)

*Labadie, L., P. Kern, T. Herbst, P. Labeye, J. E. Broquin and C. Vigreux:* Detection of extrasolar earth-like planets: a new challenge for space interferometry. In: *36<sup>th</sup> COSPAR Scientific Assembly*, **36**, 792 (2006)

*Laun, W., H. Baumeister and P. Bizenberger:* The LINC-NIRVANA IR cryostat. In: *Ground-based and Airborne Instrumentation for Astronomy*, (Eds.) I. S. McLean, M. Iye. SPIE **6269**, SPIE, 626956-1-8 (2006)

*Lombini, M., I. Foppiani, E. Diolaiti, J. Farinato, R. Ragazzoni, G. Bregoli, C. Ciattaglia, G. Cosentino, G. Innocenti, L. Schreiber, C. Arcidiacono, F. De Bonis, S. Egner, W. Gaessler, T. Herbst, M. Kürster, J. Schmidt, R. Soci, P. Rossettini and R. Tomelleri:* Integration, testing, and laboratory characterization of the mid-high layer wavefront sensor for LINC-NIRVANA. In: *Advances in Adaptive Optics II*, (Eds.) B. L. Ellerbroek, D. Bonaccini Calia. SPIE **6272**, SPIE, 62724P-110 (2006)

*Lorenzetti, D., F. D'Alessio, G. Li Causi, F. Vitali, F. Pedichini, R. Speziali, E. Diolaiti, J. Farinato, R. Ragazzoni, F. Briegel, F. De Bonis, W. Gaessler and R. Soci:* The LINC-NIRVANA patrol camera. In: *Ground-based and Airborne Instrumentation for Astronomy*, (Eds.) I. S. McLean, M. Iye. SPIE **6269**, SPIE, 62695C-1-12 (2006)

*Mandel, H. G., I. Appenzeller, W. Seifert, H. Baumeister, R. J. Dettmar, C. Feiz, H. Gemperlein, A. Germeroth, B. Grimm, J. Heidt, T. Herbst, R. Hofmann, M. Jütte, V. Knierim, W. Laun, T. Luks, M. Lehmitz, R. Lenzen, K. Polsterer, A. Quirrenbach, R. R. Rohloff, J. Rosenberger, P. Weiser and H. Weisz:* LUCIFER status

report: Summer 2006. In: *Ground-based and Airborne Instrumentation for Astronomy*, (Eds.) I. S. McLean, M. Iye. SPIE **6269**, SPIE, 62693F-1-11 (2006)

*Marshall, H. L., S. Jester, D. E. Harris and K. Meisenheimer:* X-ray emission from the 3C 273 Jet. In: *The X-ray Universe 2005*, (Ed.) A. Wilson. ESA SP- **604**, El Escorial, 643-644 (2006)

*Meyer, E., W. Gaessler, S. A. Kellner, E. Diolaiti, S. Egner, R. Ragazzoni and J. Farinato:* Multiconjugated adaptive optics for ELTs: an enhancement of the PIGS setup. In: *Advances in Adaptive Optics II*, (Eds.) B. L. Ellerbroek, D. Bonaccini Calia. SPIE **6272**, SPIE, 62723Q-1-8 (2006)

*Pavlov, A., W. Gäßler, C. Arcidiacono, J. Berwein, F. Briegel, E. Schinnerer and T. Herbst:* Observation preparation software for LINC-NIRVANA. In: *Observatory Operations: Strategies, Processes, and Systems*, (Eds.) D. R. Silva, R. E. Doxsey. SPIE **6270**, SPIE, 627011 (2006)

*Ragazzoni, R., R. Falomo, C. Arcidiacono, E. Diolaiti, J. Farinato, M. Lombini, B. Le Roux, L. Greggio, F. Bertelli, A. Fontana, A. Grazian, M. Castellano, H.-W. Rix, W. Gaessler, T. Herbst, R. Soci, S. D'Odorico and E. Marchetti:* ONIRICA: an infrared camera for OWL with MCAO low order partial correction. In: *Advances in Adaptive Optics II*, (Eds.) B. L. Ellerbroek, D. Bonaccini Calia. SPIE **6272**, SPIE, 6272OT-1-12 (2006)

*Ratzka, T., O. Chesneau, K. Meisenheimer and K. Tristram:* Status of the scientific observations with MIDI on the VLTI. In: *Advances in Stellar Interferometry*, (Eds.) J. D. Monnier, M. Schöller, W. C. Danchi. SPIE **6268**, SPIE, 62680M-1-14 (2006)

*Sakelliou, I.:* The Cluster-Galaxy Connection: The morphology of clusters. In: *The X-ray Universe 2005*, (Ed.) A. Wilson. ESA SP- **604**, ESA Publications Division, 749 (2006)

*Schwartz, D. A., H. L. Marshall, J. Gelbord, E. S. Perlman, M. Georganopoulos, M. Birkinshaw, D. M. Worrall, J. E. J. Lovell, D. L. Jauncey, L. Godfrey, G. V. Bicknell, D. W. Murphy and S. Jester:* The remarkable X-ray jet in the quasar 4C 20.24. In: *The X-ray Universe 2005*, (Ed.) A. Wilson. ESA SP- **162**, ESA, 579 (2006)

*Straubmeier, C., T. Bertram, A. Eckart, S. Rost, Y. Wang, T. Herbst, R. Ragazzoni and G. Weigelt:* The imaging FrInGe and flexure tracker of LINC-NIRVANA: basic opto-mechanical design and principle of operation. In: *Advances in Stellar Interferometry*, (Eds.) J. D. Monnier, M. Schöller, W. C. Danchi. SPIE **6268**, SPIE, 62681I-1-12 (2006)

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## Galaxien und Kosmologie / Galaxies / Cosmology (2006)

### Popular Papers

*Courbin, F., G. Letawe, G. Meylan, P. Magain, P. Jablonka, K. Jahnke, L. Wisotzki, Y. Letawe and P. North:* The host galaxies of the brightest quasars: Gas-rich galaxies, mergers, and young stars. *The Messenger* **124**, 32-36 (2006)

*Hetterscheidt, M., P. Simon, T. Erben, P. Schneider, M. Schmieder, J. P. Dietrich, H. Hildebrandt, O. Cordes, T. Schrabback, L. Haberzettl, O. Schmitzheusen, C. Trachternach, C. Wolf, K. Meisenheimer, A. Micol and F. Perfederici:* Probing the Universe using a mostly virtual survey: The Garching-Bonn Deep Survey. *The Messenger* **126**, 19-23 (2006)

*Meisenheimer, K.:* Die Suche nach Staubtori in aktiven galaktischen Kernen. *Sterne und Weltraum* **45,7**, 24-30 (2006)

*Riechers, D. A., F. Walter and C. Carilli:* Detecting CO<sub>(1-0)</sub> emission from z / 4 quasar host galaxies with the GBT. *NRAO. Newsletter* **109**, 6-7 (2006)

*Rix, H. W.:* Geboren in dunkler Materie – Zur Entstehung und Entwicklung unserer Galaxie. *Sterne und Weltraum. Spezial* **1**, 102-111 (2006)

*van der Wel, A., M. Franx, P. G. van Dokkum, H.-W. Rix, G. D. Illingworth, J. Huang, B. P. Holden and P. Rosati:* Masses and mass-to-light ratios of early-type galaxies at high redshift? The impact of ultradeep FORS2 spectroscopy. *The Messenger* **123**, 45-48 (2006)

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