

Galaxien und Kosmologie / Galaxies and Cosmology (2008)

Refereed Papers

Adelman-McCarthy, J. K., M. A. Agüeros, S. S. Allam, C. Allende Prieto, K. S. J. Anderson, S. F. Anderson, J. Annis, N. A. Bahcall, C. A. L. Bailer-Jones, I. K. Baldry, J. C. Barentine, B. A. Bassett, A. C. Becker, T. C. Beers, E. F. Bell, A. A. Berlind, M. Bernardi, M. R. Blanton, J. J. Bochanski, W. N. Boroski, J. Brinchmann, J. Brinkmann, R. J. Brunner, T. Budavári, S. Carliles, M. A. Carr, F. J. Castander, D. Cinabro, R. J. Cool, K. R. Covey, I. Csabai, C. E. Cunha, J. R. A. Davenport, B. Dilday, M. Doi, D. J. Eisenstein, M. L. Evans, X. Fan, D. P. Finkbeiner, S. D. Friedman, J. A. Frieman, M. Fukugita, B. T. Gänsicke, E. Gates, B. Gillespie, K. Glazebrook, J. Gray, E. K. Grebel, J. E. Gunn, V. K. Gurbani, P. B. Hall, P. Harding, M. Harvanek, S. L. Hawley, J. Hayes, T. M. Heckman, J. S. Hendry, R. B. Hindsley, C. M. Hirata, C. J. Hogan, D. W. Hogg, J. B. Hyde, S.-i. Ichikawa, Z. Ivezic, S. Jester, J. A. Johnson, A. M. Jorgensen, M. Juric, S. M. Kent, R. Kessler, S. J. Kleinman, G. R. Knapp, R. G. Kron, J. Krzesinski, N. Kuropatkin, D. Q. Lamb, H. Lampeitl, S. Lebedeva, Y. S. Lee, R. F. Leger, S. Lépine, M. Lima, H. Lin, D. C. Long, C. P. Loomis, J. Loveday, R. H. Lupton, O. Malanushenko, V. Malanushenko, R. Mandelbaum, B. Margon, J. P. Marriner, D. Martínez-Delgado, T. Matsubara, P. M. McGehee, T. A. McKay, A. Meiksin, H. L. Morrison, J. A. Munn, R. Nakajima, E. H. Neilsen, Jr., H. J. Newberg, R. C. Nichol, T. Nicinski, M. Nieto-Santisteban, A. Nitta, S. Okamura, R. Owen, H. Oyaizu, N. Padmanabhan, K. Pan, C. Park, J. Peoples, Jr., J. R. Pier, A. C. Pope, N. Purger, M. J. Raddick, P. Re Fiorentin, G. T. Richards, M. W. Richmond, A. G. Riess, H.-W. Rix, C. M. Rockosi, M. Sako, D. J. Schlegel, D. P. Schneider, M. R. Schreiber, A. D. Schwope, U. Seljak, B. Sesar, E. Sheldon, K. Shimasaku, T. Sivarani, J. A. Smith, S. A. Snedden, M. Steinmetz, M. A. Strauss, M. SubbaRao, Y. Suto, A. S. Szalay, I. Szapudi, P. Szkody, M. Tegmark, A. R. Thakar, C. A. Tremonti, D. L. Tucker, A. Uomoto, D. E. Vanden Berk, J. Vandenberg, S. Vidrih, M. S. Vogeley, W. Voges, N. P. Vogt, Y. Wadadekar, D. H. Weinberg, A. A. West, S. D. M. White, B. C. Wilhite, B. Yanny, D. R. Yocom, D. G. York, I. Zehavi and D. B. Zucker: The Sixth Data Release of the Sloan Digital Sky Survey. The Astrophysical Journal Supplement Series **175**, 297-313 (2008)

Allende Prieto, C., T. Sivarani, T. C. Beers, Y. S. Lee, L. Koesterke, M. Shetrone, C. Sneden, D. L. Lambert, R. Wilhelm, C. M. Rockosi, D. K. Lai, B. Yanny, I. I. Ivans, J. A. Johnson, W. Aoki, C. A. L. Bailer-Jones and P. Re Fiorentin: The Segue Stellar Parameter Pipeline. III. Comparison with high-resolution spectroscopy of SDSS/SEGUE field stars. The Astronomical Journal **136**, 2070-2082 (2008)

Andersen, D. R., C. J. Walcher, T. Böker, L. C. Ho, R. P. van der Marel, H.-W. Rix and J. C. Shields: Caught in formation: The nuclear-cluster-to-Be in NGC 2139. The Astrophysical Journal **688**, 990-999 (2008)

Ao, Y., A. Weiß, D. Downes, F. Walter, C. Henkel and K. M. Menten: The CO line SED and atomic carbon in IRAS F10214+4724. Astronomy and Astrophysics **491**, 747-754 (2008)

Aravena, M., F. Bertoldi, E. Schinnerer, A. Weiss, K. Jahnke, C. L. Carilli, D. Frayer, C. Henkel, M. Brusa, K. M. Menten, M. Salvato and V. Smolcic: Properties of the molecular gas in a starbursting QSO at $z = 1.83$ in the COSMOS field. Astronomy and Astrophysics **491**, 173-181 (2008)

Bailer-Jones, C. A. L.: Correlated spectral variability in brown dwarfs. Monthly Notices of the Royal Astronomical Society **384**, 1145-1157 (2008)

Bailer-Jones, C. A. L., K. W. Smith, C. Tiede, R. Sordo and A. Vallenari: Finding rare objects and building pure samples: probabilistic quasar classification from low-resolution Gaia spectra. Monthly Notices of the Royal Astronomical Society **391**, 1838-1853 (2008)

Barden, M., K. Jahnke and B. Häußler: FERENGI: redshifting galaxies from SDSS to GEMS, STAGES, and COSMOS. The Astrophysical Journal Supplement Series **175**, 105-115 (2008)

Bell, E. F.: Galaxy bulges and their black holes: a requirement for the quenching of star formation. The Astrophysical Journal **682**, 355-360 (2008)

Bell, E. F., D. B. Zucker, V. Belokurov, S. Sharma, K. V. Johnston, J. S. Bullock, D. W. Hogg, K. Jahnke, J. T. A. de Jong, T. C. Beers, N. W. Evans, E. K. Grebel, Z. Ivezic, S. E. Koposov, H.-W. Rix, D. P. Schneider, M. Steinmetz and A. Zolotov: The accretion origin of the Milky Way's stellar halo. *The Astrophysical Journal* **680**, 295-311 (2008)

Bellazzini, M., R. A. Ibata, S. C. Chapman, A. D. Mackey, L. Monaco, M. J. Irwin, N. F. Martin, G. F. Lewis and E. Dalessandro: The nucleus of the Sagittarius Dsp galaxy and M54: a window on the process of galaxy nucleation. *The Astronomical Journal* **136**, 1147-1170 (2008)

Belokurov, V., M. G. Walker, N. W. Evans, D. C. Faria, G. Gilmore, M. J. Irwin, S. Koposov, M. Mateo, E. Olszewski and D. B. Zucker: Leo V: a companion of a companion of the Milky Way Galaxy? *The Astrophysical Journal* **686**, L83-L86 (2008)

Bigiel, F., A. Leroy, F. Walter, E. Brinks, W. J. G. de Blok, B. Madore and M. D. Thornley: The star formation law in nearby galaxies on sub-kpc scales. *The Astronomical Journal* **136**, 2846-2871 (2008)

Böker, T., J. Falcón-Barroso, E. Schinnerer, J. H. Knapen and S. Ryder: A Sinfoni view of galaxy centers: morphology and kinematics of five nuclear star-formation rings. *The Astronomical Journal* **135**, 479-495 (2008)

Bolatto, A. D., A. K. Leroy, E. Rosolowsky, F. Walter and L. Blitz: The resolved properties of extragalactic giant molecular clouds. *The Astrophysical Journal* **686**, 948-965 (2008)

Bondi, M., P. Ciliegi, E. Schinnerer, V. Smolcic, K. Jahnke, C. Carilli and G. Zamorani: The VLA-COSMOS Survey. III. Further catalog analysis and the radio source counts. *The Astrophysical Journal* **681**, 1129-1135 (2008)

Brunner, G., K. Sheth, L. Armus, M. Wolfire, S. Vogel, E. Schinnerer, G. Helou, R. Dufour, J.-D. Smith and D. A. Dale: Warm molecular gas in M51: mapping the excitation temperature and mass of H₂ with the SPITZER Infrared Spectrograph. *The Astrophysical Journal* **675**, 316-329 (2008)

Buyle, P., S. De Rijcke, V. P. Debattista, I. Ferreras, A. Pasquali, A. Seth and L. Morelli: Radio continuum observations of the candidate supermassive black hole in the dwarf elliptical VCC 128. *The Astrophysical Journal* **685**, 915-918 (2008)

Caballero, J. A., A. J. Burgasser and R. Klement: Contamination by field late-M, L, and T dwarfs in deep surveys. *Astronomy and Astrophysics* **488**, 181-190 (2008)

Caldwell, J. A. R., D. H. McIntosh, H.-W. Rix, M. Barden, S. V. W. Beckwith, E. F. Bell, A. Borch, C. Heymans, B. Häußler, K. Jahnke, S. Jogee, K. Meisenheimer, C. Y. Peng, S. F. Sánchez, R. S. Somerville, L. Wisotzki and C. Wolf: GEMS survey data and catalog. *The Astrophysical Journal Supplement Series* **174**, 136-144 (2008)

Capak, P., C. L. Carilli, N. Lee, T. Aldcroft, H. Aussel, E. Schinnerer, G. W. Wilson, M. S. Yun, A. Blain, M. Giavalisco, O. Ilbert, J. Kartaltepe, K. S. Lee, H. McCracken, B. Mobasher, M. Salvato, S. Sasaki, K. S. Scott, K. Sheth, Y. Shioya, D. Thompson, M. Elvis, D. B. Sanders, N. Z. Scoville and Y. Taniguchi: Spectroscopic confirmation of an extreme starburst at redshift 4.547. *The Astrophysical Journal* **681**, L53-L56 (2008)

Carilli, C. L., N. Lee, P. Capak, E. Schinnerer, K. S. Lee, H. McCracken, M. S. Yun, N. Scoville, V. Smolcic, M. Giavalisco, A. Datta, Y. Taniguchi and C. M. Urry: Star formation rates in Lyman break galaxies: radio stacking of LBGs in the COSMOS field and the Sub-μJy radio source population. *The Astrophysical Journal* **689**, 883-888 (2008)

Carilli, C. L., F. Walter, R. Wang, A. Wootten, K. Menten, F. Bertoldi, E. Schinnerer, P. Cox, A. Beelen and A. Omont: Studying the first galaxies with ALMA. *Astrophysics and Space Science* **313**, 307-311 (2008)

Casey, C. M., C. D. Impey, C. E. Petry, A. R. Marble and R. Davé: Pc 1643+4631A, b: the LYMAN-a forest at the edge of coherence. *The Astronomical Journal* **136**, 181-196 (2008)

Casey, C. M., C. D. Impey, J. R. Trump, J. Gabor, R. G. Abraham, P. Capak, N. Z. Scoville, M. Brusa and E. Schinnerer: Optical selection of faint active galactic nuclei in the COSMOS field. *The Astrophysical Journal Supplement Series* **177**, 131-147 (2008)

Cassata, P., A. Cimatti, J. Kurk, G. Rodighiero, L. Pozzetti, M. Bolzonella, E. Daddi, M. Mignoli, S. Berta, M. Dickinson, A. Franceschini, C. Halliday, A. Renzini, P. Rosati and G. Zamorani: GMASS ultradeep spectroscopy of galaxies at $z \sim 2$. III. The emergence of the color bimodality at $z \sim 2$. *Astronomy and Astrophysics* **483**, L39-L42 (2008)

Chapman, S. C., R. Ibata, M. Irwin, A. Koch, B. Letarte, N. Martin, M. Collins, G. F. Lewis, A. McConnachie, J. Peñarrubia, R. M. Rich, D. Trethewey, A. Ferguson, A. Huxor and N. Tanvir: The kinematic footprints of five stellar streams in Andromeda's halo. *Monthly Notices of the Royal Astronomical Society* **390**, 1437-1452 (2008)

Chapman, S. C., R. Neri, F. Bertoldi, I. Smail, T. R. Greve, D. Trethewey, A. W. Blain, P. Cox, R. Genzel, R. J. Ivison, A. Kovacs, A. Omont and A. M. Swinbank: Interferometric CO observations of submillimeter-faint, radio-selected starburst galaxies at $z \sim 2$. *The Astrophysical Journal* **689**, 889-896 (2008)

Cimatti, A., P. Cassata, L. Pozzetti, J. Kurk, M. Mignoli, A. Renzini, E. Daddi, M. Bolzonella, M. Brusa, G. Rodighiero, M. Dickinson, A. Franceschini, G. Zamorani, S. Berta, P. Rosati and C. Halliday: GMASS ultradeep spectroscopy of galaxies at $z \sim 2$. II. Superdense passive galaxies: how did they form and evolve? *Astronomy and Astrophysics* **482**, 21-42 (2008)

Coleman, M. G. and J. T. A. de Jong: A deep survey of the Fornax dSph. I. Star formation history. *The Astrophysical Journal* **685**, 933-946 (2008)

Comeron, F., A. Pasquali, F. Figueras and J. Torra: The outskirts of Cygnus OB2. *Astronomy and Astrophysics* **486**, 453-466 (2008)

Cox, T. J., P. Jonsson, R. S. Somerville, J. R. Primack and A. Dekel: The effect of galaxy mass ratio on merger-driven starbursts. *Monthly Notices of the Royal Astronomical Society* **384**, 386-409 (2008)

D'Odorico, V., M. Bruscoli, F. Saitta, F. Fontanot, M. Viel, S. Cristiani and P. Monaco: The quasar proximity effect at redshift $< z > \sim = 2.6$ with the From Lines to Overdensities approach. *Monthly Notices of the Royal Astronomical Society* **389**, 1727-1738 (2008)

Da Costa, G. S. and M. G. Coleman: A spectroscopic survey for ω Centauri members at and beyond the cluster tidal radius. *The Astronomical Journal* **136**, 506-517 (2008)

Dale, D. A., A. Gil de Paz, K. D. Gordon, H. M. Hanson, L. Armus, G. J. Bendo, L. Bianchi, M. Block, S. Boissier, A. Boselli, B. A. Buckalew, V. Buat, D. Burgarella, D. Calzetti, J. M. Cannon, C. W. Engelbracht, G. Helou, D. J. Hollenbach, T. H. Jarrett, R. C. Kennicutt, C. Leitherer, A. Li, B. F. Madore, M. J. Meyer, E. J. Murphy, M. W. Regan, H. Roussel, J. D. T. Smith, M. L. Sosey, D. A. Thilker and F. Walter: Erratum: "An Ultraviolet-to-Radio Broadband Spectral Atlas of Nearby Galaxies" *The Astrophysical Journal* **672**, 735-736 (2008)

Dannerbauer, H., F. Walter and G. Morrison: Interferometric detections of GOODS 850-5 at 1 mm and 1.4 GHz. *The Astrophysical Journal* **673**, L127-L130 (2008)

de Blok, W. J. G., F. Walter, E. Brinks, C. Trachternach, S. H. Oh and R. C. Kennicutt: High-resolution rotation curves and galaxy mass models from Things. *The Astronomical Journal* **136**, 2648-2719 (2008)

de Jong, J. T. A., J. Harris, M. G. Coleman, N. F. Martin, E. F. Bell, H. W. Rix, J. M. Hill, E. D. Skillman, D. J. Sand, E. W. Olszewski, D. Zaritsky, D. Thompson, E. Giallongo, R. Ragazzoni, A. DiPaola, J. Farinato, V. Testa and J. Bechtold: The structural properties and star formation history of Leo T from deep LBT photometry. *The Astrophysical Journal* **680**, 1112-1119 (2008)

de Jong, J. T. A., K. H. Kuijken and P. Héraudeau: Ground-based variability surveys towards Centaurus A: worthwhile or not? *Astronomy and Astrophysics* **478**, 755-762 (2008)

de Jong, J. T. A., H. W. Rix, N. F. Martin, D. B. Zucker, A. E. Dolphin, E. F. Bell, V. Belokurov and N. W. Evans: Numerical color-magnitude diagram analysis of Sloan Digital Sky Survey data and application to the New Milky Way satellites. *The Astronomical Journal* **135**, 1361-1383 (2008)

Dong, H., D. Calzetti, M. Regan, D. Thilker, L. Bianchi, G. R. Meurer and F. Walter: SPITZER

observations of star formation in the extreme outer disk of M83 (NGC5236). The Astronomical Journal **136**, 479-497 (2008)

Dumas, G., C. G. Mundell, E. Emsellem and N. Nagar: The role of the host galaxy kinematics on nuclear activity. Astronomische Nachrichten **329**, 908 (2008)

Elias, N. M., II: Photon orbital angular momentum in astronomy. Astronomy and Astrophysics **492**, 883-922 (2008)

Elias, N. M., II, R. H. Koch and R. J. Pfeiffer: Polarimetric measures of selected variable stars. Astronomy and Astrophysics **489**, 911-921 (2008)

Ernst, A., A. Just, R. Spurzem and O. Porth: Escape from the vicinity of fractal basin boundaries of a star cluster. Monthly Notices of the Royal Astronomical Society **383**, 897-906 (2008)

Faltenbacher, A., Y. P. Jing, C. Li, S. Mao, H. J. Mo, A. Pasquali and F. C. van den Bosch: Spatial and kinematic alignments between central and satellite halos. The Astrophysical Journal **675**, 146-155 (2008)

Faure, C., J.-P. Kneib, G. Covone, L. Tasca, A. Leauthaud, P. Capak, K. Jahnke, V. Smolcic, S. de la Torre, R. Ellis, A. Finoguenov, A. Koekemoer, O. Le Fevre, R. Massey, Y. Mellier, A. Refregier, J. Rhodes, N. Scoville, E. Schinnerer, J. Taylor, L. Van Waerbeke and J. Walcher: First catalog of strong lens candidates in the COSMOS field. The Astrophysical Journal Supplement Series **176**, 19-38 (2008)

Federrath, C., R. S. Klessen and W. Schmidt: The density probability distribution in compressible isothermal turbulence: solenoidal versus compressive forcing. The Astrophysical Journal **688**, L79-L82 (2008)

Fendt, C. and E. Memola: Formation of relativistic MHD jets: stationary state solutions and numerical simulations. International Journal of Modern Physics D **17**, 1677-1686 (2008)

Foyle, K., S. Courteau and R. J. Thacker: An N-body/SPH study of isolated galaxy mass density profiles. Monthly Notices of the Royal Astronomical Society **386**, 1821-1844 (2008)

Gallazzi, A., J. Brinchmann, S. Charlot and S. D. M. White: A census of metals and baryons in stars in the local Universe. Monthly Notices of the Royal Astronomical Society **383**, 1439-1458 (2008)

Geach, J. E., I. Smail, P. N. Best, J. Kurk, M. Casali, R. J. Ivison and K. Coppin: HiZELS: a high-redshift survey of H α emitters – I. The cosmic star formation rate and clustering at $z = 2.23$. Monthly Notices of the Royal Astronomical Society **388**, 1473-1486 (2008)

Giocoli, C., G. Tormen and F. C. van den Bosch: The population of dark matter subhaloes: mass functions and average mass-loss rates. Monthly Notices of the Royal Astronomical Society **386**, 2135-2144 (2008)

Goerdt, T., B. Moore, S. Kazantzidis, T. Kaufmann, A. V. Macciò and J. Stadel: The formation of ultra-compact dwarf galaxies and nucleated dwarf galaxies. Monthly Notices of the Royal Astronomical Society **385**, 2136-2142 (2008)

Greve, T. R., A. Pope, D. Scott, R. J. Ivison, C. Borys, C. J. Conselice and F. Bertoldi: A 1200- μm MAMBO survey of the GOODS-N field: a significant population of submillimetre dropout galaxies. Monthly Notices of the Royal Astronomical Society **389**, 1489-1506 (2008)

Greve, T. R. and J. Sommer-Larsen: CO line emission from Lyman break galaxies. Cosmological simulations and predictions for ALMA. Astronomy and Astrophysics **480**, 335-338 (2008)

Gustafsson, M., L. Labadie, T. M. Herbst and M. Kasper: Spatially resolved H $_2$ emission from the disk around T Tau N. Astronomy and Astrophysics **488**, 235-244 (2008)

Haan, S., E. Schinnerer, C. G. Mundell, S. García-Burillo and F. Combes: Atomic hydrogen properties of active galactic nuclei host galaxies: H I in 16 nuclei of galaxies (nuga) sources. The Astronomical Journal **135**, 232-257 (2008)

Halliday, C., E. Daddi, A. Cimatti, J. Kurk, A. Renzini, M. Mignoli, M. Bolzonella, L. Pozzetti,

M. Dickinson, G. Zamorani, S. Berta, A. Franceschini, P. Cassata, G. Rodighiero and P. Rosati: GMASS ultradeep spectroscopy of galaxies at $z \sim 2$. I. The stellar metallicity. Astronomy and Astrophysics **479**, 417-425 (2008)

Hatch, N. A., R. A. Overzier, H. J. A. Röttgering, J. D. Kurk and G. K. Miley: Diffuse UV light associated with the Spiderweb Galaxy: evidence for in situ star formation outside galaxies. Monthly Notices of the Royal Astronomical Society **383**, 931-942 (2008)

Heithausen, A., C. Böttner and F. Walter: Chemical and physical small-scale structure in a pre-stellar core. Astronomy and Astrophysics **488**, 597-603 (2008)

Heymans, C., M. E. Gray, C. Y. Peng, L. van Waerbeke, E. F. Bell, C. Wolf, D. Bacon, M. Balogh, F. D. Barazza, M. Barden, A. Böhm, J. A. R. Caldwell, B. Häußler, K. Jahnke, S. Jogee, E. van Kampen, K. Lane, D. H. McIntosh, K. Meisenheimer, Y. Mellier, S. F. Sánchez, A. N. Taylor, L. Wisotzki and X. Zheng: The dark matter environment of the Abell 901/902 supercluster: a weak lensing analysis of the HST STAGES survey. Monthly Notices of the Royal Astronomical Society **385**, 1431-1442 (2008)

Hieronymus, C. F., S. Goes, M. Sargent and G. Morra: A dynamical model for generating Eurasian lithospheric stress and strain rate fields: effect of rheology and cratons. Journal of Geophysical Research (Solid Earth) **113**, 07404 (2008)

Hunt, L. K., F. Combes, S. García-Burillo, E. Schinnerer, M. Krips, A. J. Baker, F. Boone, A. Eckart, S. Léon, R. Neri and L. J. Tacconi: Molecular gas in NUCleii of Galaxies (NUGA). IX. The decoupled bars and gas inflow in NGC 2782. Astronomy and Astrophysics **482**, 133-150 (2008)

Husemann, B., L. Wisotzki, S. F. Sánchez and K. Jahnke: Extended emission-line regions in low-redshift quasars. Dependence on nuclear spectral properties. Astronomy and Astrophysics **488**, 145-149 (2008)

Inada, N., M. Oguri, R. H. Becker, M.-S. Shin, G. T. Richards, J. F. Hennawi, R. L. White, B. Pindor, M. A. Strauss, C. S. Kochanek, D. E. Johnston, M. D. Gregg, I. Kayo, D. Eisenstein, P. B. Hall, F. J. Castander, A. Clocchiatti, S. F. Anderson, D. P. Schneider, D. G. York, R. Lupton, K. Chiu, Y. Kawano, R. Scranton, J. A. Frieman, C. R. Keeton, T. Morokuma, H.-W. Rix, E. L. Turner, S. Burles, R. J. Brunner, E. S. Sheldon, N. A. Bahcall and F. Masataka: The Sloan Digital Sky Survey quasar lens search. II. Statistical lens sample from the Third Data Release. The Astronomical Journal **135**, 496-511 (2008)

Ivezic, Z., B. Sesar, M. Juric, N. Bond, J. Dalcanton, C. M. Rockosi, B. Yanny, H. J. Newberg, T. C. Beers, C. Allende Prieto, R. Wilhelm, Y. S. Lee, T. Sivarani, 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. A. Smith, G. Miknaitis, M. Doi, M. Tanaka, M. Fukugita, S. Kent, D. Finkbeiner, J. A. Munn, J. R. Pier, T. Quinn, S. Hawley, S. Anderson, 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, S. Snedden, B. Lee, H. Harris, J. Brinkmann, D. P. Schneider and D. G. York: The milky way tomography with SDSS. II. Stellar metallicity. The Astrophysical Journal **684**, 287-325 (2008)

Ivison, R. J., G. E. Morrison, A. D. Biggs, I. Smail, S. P. Willner, M. A. Gurwell, T. R. Greve, J. A. Stevens and M. L. N. Ashby: Interferometric imaging of the high-redshift radio galaxy, 4C60.07: an SMA, SPITZER and VLA study reveals a binary AGN/starburst. Monthly Notices of the Royal Astronomical Society **390**, 1117-1126 (2008)

Janson, M., W. Brandner and T. Henning: Integral field spectroscopy of L449-1. A test case for spectral differential imaging with SINFONI. Astronomy and Astrophysics **478**, 597-603 (2008)

Jester, S.: Retardation magnification and the appearance of relativistic jets. Monthly Notices of the Royal Astronomical Society **389**, 1507-1520 (2008)

Jetha, N. N., M. J. Hardcastle, T. J. Ponman and I. Sakelliou: Shock heating in the group atmosphere of the radio galaxy B2 0838+32A. Monthly Notices of the Royal Astronomical Society **391**, 1052-1062 (2008)

Jiang, L., X. Fan, J. Annis, R. H. Becker, R. L. White, K. Chiu, H. Lin, R. H. Lupton, G. T. Richards, M. A. Strauss, S. Jester and D. P. Schneider: A survey of $z \sim 6$ quasars in the Sloan Digital Sky Survey Deep Stripe. I. a Flux-Limited Sample at $z_{AB} < 21$. The

Astronomical Journal **135**, 1057-1066 (2008)

Kang, X. and F. C. van den Bosch: New constraints on the efficiencies of ram pressure stripping and the tidal disruption of satellite galaxies. The Astrophysical Journal **676**, L101-L104 (2008)

Klement, R., B. Fuchs and H. W. Rix: Identifying stellar streams in the First RAVE Public Data Release. The Astrophysical Journal **685**, 261-271 (2008)

Kniazev, A. Y., S. A. Pustilnik and D. B. Zucker: Spectroscopy of two PN candidates in IC10. Monthly Notices of the Royal Astronomical Society **384**, 1045-1052 (2008)

Koch, A., R. M. Rich, D. B. Reitzel, N. F. Martin, R. A. Ibata, S. C. Chapman, S. R. Majewski, M. Mori, Y.-S. Loh, J. C. Ostheimer and M. Tanaka: Kinematic and chemical constraints on the formation of M31's inner and outer halo. The Astrophysical Journal **689**, 958-982 (2008)

Köhler, R., T. Ratzka, T. M. Herbst and M. Kasper: Orbits and masses in the T Tauri system. Astronomy and Astrophysics **482**, 929-938 (2008)

Koposov, S., V. Belokurov, N. W. Evans, P. C. Hewett, M. J. Irwin, G. Gilmore, D. B. Zucker, H. W. Rix, M. Fellhauer, E. F. Bell and E. V. Glushkova: The luminosity function of the Milky Way satellites. The Astrophysical Journal **686**, 279-291 (2008)

Koposov, S. E., E. V. Glushkova and I. Y. Zolotukhin: Automated search for Galactic star clusters in large multiband surveys. I. Discovery of 15 new open clusters in the Galactic anticenter region. Astronomy and Astrophysics **486**, 771-777 (2008)

Körding, E. G., S. Jester and R. Fender: Measuring the accretion rate and kinetic luminosity functions of supermassive black holes. Monthly Notices of the Royal Astronomical Society **383**, 277-288 (2008)

Kristensen, L. E., T. L. Raskilde, G. Pineau Des Forets, S. Cabrit, D. Field, M. Gustafsson, S. Diana and J. L. Lemaire: Observational 2D model of H₂ emission from a bow shock in the Orion Molecular Cloud. Astronomy and Astrophysics **477**, 203-211 (2008)

Kutdemir, E., B. L. Ziegler, R. F. Peletier, C. Da Rocha, T. Kronberger, W. Kapferer, S. Schindler, A. Böhm, K. Jäger, H. Kuntschner and M. Verdugo: Internal kinematics of spiral galaxies in distant clusters. III. Velocity fields from FORS2/MXU spectroscopy. Astronomy and Astrophysics **488**, 117-131 (2008)

Labadie, L., P. Kern, P. Labeye, E. Lecoarer, C. Vigreux-Bercovici, A. Pradel, J. E. Broquin and V. Kirschner: Technology challenges for space interferometry: The option of mid-infrared integrated optics. Advances in Space Research **41**, 1975-1982 (2008)

Lee, Y. S., T. C. Beers, T. Sivarani, C. Allende Prieto, L. Koesterke, R. Wilhelm, P. Re Fiorentin, C. A. L. Bailer-Jones, J. E. Norris, C. M. Rockosi, B. Yanny, H. J. Newberg, K. R. Covey, H.-T. Zhang and A. L. Luo: The Segue Stellar Parameter Pipeline. I. Description and comparison of individual methods. The Astronomical Journal **136**, 2022-2049 (2008)

Lee, Y. S., T. C. Beers, T. Sivarani, J. A. Johnson, D. An, R. Wilhelm, C. Allende Prieto, L. Koesterke, P. Re Fiorentin, C. A. L. Bailer-Jones, J. E. Norris, B. Yanny, C. Rockosi, H. J. Newberg, K. M. Cudworth and K. Pan: The Segue Stellar Parameter Pipeline. II. Validation with galactic globular and open clusters. The Astronomical Journal **136**, 2050-2069 (2008)

Lehmer, B. D., W. N. Brandt, D. M. Alexander, E. F. Bell, A. E. Hornschemeier, D. H. McIntosh, F. E. Bauer, R. Gilli, V. Mainieri, D. P. Schneider, J. D. Silverman, A. T. Steffen, P. Tozzi and C. Wolf: Tracing the mass-dependent star formation history of late-type galaxies using X-Ray emission: results from the Chandra Deep Fields. The Astrophysical Journal **681**, 1163-1182 (2008)

Leroy, A. K., F. Walter, E. Brinks, F. Bigiel, W. J. G. de Blok, B. Madore and M. D. Thornley: The star formation efficiency in nearby galaxies: measuring where gas forms stars effectively. The Astronomical Journal **136**, 2782-2845 (2008)

Lisenfeld, U., C. G. Mundell, E. Schinnerer, P. N. Appleton and J. Allsopp: Molecular gas and dust in Arp 94: the formation of a recycled galaxy in an interacting system. The Astrophysical Journal **685**, 181-193 (2008)

Macciò, A. V., A. A. Dutton and F. C. van den Bosch: Concentration, spin and shape of dark matter haloes as a function of the cosmological model: WMAP1, WMAP3 and WMAP5 results. Monthly Notices of the Royal Astronomical Society **391**, 1940-1954 (2008)

Martin, N. F., M. G. Coleman, J. T. A. De Jong, H.-W. Rix, E. F. Bell, D. J. Sand, J. M. Hill, D. Thompson, V. Burwitz, E. Giallongo, R. Ragazzoni, E. Diolaiti, F. Gasparo, A. Grazian, F. Pedichini and J. Bechtold: A deep Large Binocular Telescope view of the Canes Venatici I dwarf galaxy. The Astrophysical Journal **672**, L13-L16 (2008)

Martin, N. F., J. T. A. de Jong and H.-W. Rix: A comprehensive maximum likelihood analysis of the structural properties of faint Milky Way satellites. The Astrophysical Journal **684**, 1075-1092 (2008)

Martínez-Delgado, D., J. Peñarrubia, R. J. Gabany, I. Trujillo, S. R. Majewski and M. Pohlen: The ghost of a dwarf galaxy: fossils of the hierarchical formation of the nearby spiral galaxy NGC 5907. The Astrophysical Journal **689**, 184-193 (2008)

Martínez-Sansigre, A., M. Lacy, A. Sajina and S. Rawlings: Mid-infrared spectroscopy of high-redshift obscured quasars. The Astrophysical Journal **674**, 676-685 (2008)

Maschietto, F., N. A. Hatch, B. P. Venemans, H. J. A. Röttgering, G. K. Miley, R. A. Overzier, M. A. Dopita, P. R. Eisenhardt, J. D. Kurk, G. R. Meurer, L. Pentericci, P. Rosati, S. A. Stanford, W. van Breugel and A. W. Zirm: [OIII] emitters in the field of the MRC0316-257 protocluster. Monthly Notices of the Royal Astronomical Society **389**, 1223-1232 (2008)

McConnachie, A. W., A. Huxor, N. F. Martin, M. J. Irwin, S. C. Chapman, G. Fahlman, A. M. N. Ferguson, R. A. Ibata, G. F. Lewis, H. Richer and N. R. Tanvir: A trio of new local group galaxies with extreme properties. The Astrophysical Journal **688**, 1009-1020 (2008)

McIntosh, D. H., Y. Guo, J. Hertzberg, N. Katz, H. J. Mo, F. C. van den Bosch and X. Yang: Ongoing assembly of massive galaxies by major merging in large groups and clusters from the SDSS. Monthly Notices of the Royal Astronomical Society **388**, 1537-1556 (2008)

Meisenheimer, K.: Studies of active galactic nuclei with the VLT interferometer. New Astronomy Review **52**, 323-338 (2008)

Mignone, C. and M. Bartelmann: Model-independent determination of the cosmic expansion rate. I. Application to type-Ia supernovae. Astronomy and Astrophysics **481**, 295-303 (2008)

Oguri, M., N. Inada, M. A. Strauss, C. S. Kochanek, G. T. Richards, D. P. Schneider, R. H. Becker, M. Fukugita, M. D. Gregg, P. B. Hall, J. F. Hennawi, D. E. Johnston, I. Kayo, C. R. Keeton, B. Pindor, M.-S. Shin, E. L. Turner, R. L. White, D. G. York, S. F. Anderson, N. A. Bahcall, R. J. Brunner, S. Burles, F. J. Castander, K. Chiu, A. Clocchiatti, D. Eisenstein, J. A. Frieman, Y. Kawano, R. Lupton, T. Morokuma, H.-W. Rix, R. Scranton and E. S. Sheldon: The Sloan Digital Sky Survey quasar lens search. III. Constraints on dark energy from the Third Data Release Quasar Lens Catalog. The Astronomical Journal **135**, 512-519 (2008)

Oh, S.-H., W. J. G. de Blok, F. Walter, E. Brinks and R. C. Kennicutt: High-resolution dark matter density profiles of things dwarf galaxies: correcting for noncircular motions. The Astronomical Journal **136**, 2761-2781 (2008)

Overzier, R. A., R. J. Bouwens, N. J. G. Cross, B. P. Venemans, G. K. Miley, A. W. Zirm, N. Benítez, J. P. Blakeslee, D. Coe, R. Demarco, H. C. Ford, N. L. Homeier, G. D. Illingworth, J. D. Kurk, A. R. Martel, S. Mei, I. Oliveira, H. J. A. Röttgering, Z. I. Tsvetanov and W. Zheng: Lyman Break galaxies, Ly α emitters, and a radio galaxy in a protocluster at $z = 4.1$. The Astrophysical Journal **673**, 143-162 (2008)

Pasquali, A. and P. Castangia: Dissecting the star formation history of starburst galaxies: the case of NGC 7673. Monthly Notices of the Royal Astronomical Society **385**, 468-480 (2008)

Pasquali, A., A. Leroy, H. W. Rix, F. Walter, T. Herbst, E. Giallongo, R. Ragazzoni, A. Baruffolo, R. Speziali, J. Hill, G. Beccari, N. Bouché, P. Buschkamp, C. Kochanek, E. Skillman and J. Bechtold: The Large Binocular Telescope panoramic view of the recent star formation activity in IC 2574. The Astrophysical Journal **687**, 1004-1018 (2008)

Pierini, D., S. Zibetti, F. Braglia, H. Böhringer, A. Finoguenov, P. D. Lynam and Y. Y. Zhang: Diffuse stellar emission in X-ray luminous galaxy clusters at $z \sim 0.3$. I. Is the diffuse optical light boosted and rejuvenated in merging clusters? *Astronomy and Astrophysics* **483**, 727-739 (2008)

Pizzella, A., D. Tamburro, E. M. Corsini and F. Bertola: Detection of non-ordered central gas motions in a sample of four low surface brightness galaxies. *Astronomy and Astrophysics* **482**, 53-58 (2008)

Pope, A., R. S. Bussmann, A. Dey, N. Meger, D. M. Alexander, M. Brodwin, R.-R. Chary, M. E. Dickinson, D. T. Frayer, T. R. Greve, M. Huynh, L. Lin, G. Morrison, D. Scott and C.-H. Yan: The nature of faint SPITZER-selected dust-obscured galaxies. *The Astrophysical Journal* **689**, 127-133 (2008)

Prieto, J. L., M. D. Kistler, T. A. Thompson, H. Yüksel, C. S. Kochanek, K. Z. Stanek, J. F. Beacom, P. Martini, A. Pasquali and J. Bechtold: Discovery of the dust-enshrouded progenitor of SN 2008S with SPITZER. *The Astrophysical Journal* **681**, L9-L12 (2008)

Protopapa, S., H. Boehnhardt, T. M. Herbst, D. P. Cruikshank, W. M. Grundy, F. Merlin and C. B. Olkin: Surface characterization of Pluto and Charon by L and M band spectra. *Astronomy and Astrophysics* **490**, 365-375 (2008)

Raban, D., B. Heijligers, H. Röttgering, K. Meisenheimer, W. Jaffe, H. U. Käufl and T. Henning: The core flux of the brightest 10 mm galaxies in the southern sky. *Astronomy and Astrophysics* **484**, 341-345 (2008)

Rich, J. W., W. J. G. de Blok, T. J. Cornwell, E. Brinks, F. Walter, I. Bagetakos and R. C. Kennicutt: Multi-scale CLEAN: a comparison of its performance against classical CLEAN on galaxies using THINGS. *The Astronomical Journal* **136**, 2897-2920 (2008)

Riechers, D. A., F. Walter, B. J. Brewer, C. L. Carilli, G. F. Lewis, F. Bertoldi and P. Cox: A molecular Einstein ring at $z = 4.12$: imaging the dynamics of a quasar host galaxy through a cosmic lens. *The Astrophysical Journal* **686**, 851-858 (2008)

Riechers, D. A., F. Walter, C. L. Carilli, F. Bertoldi and E. Momjian: Formation of a quasar host galaxy through a wet merger 1.4 billion years after the big bang. *The Astrophysical Journal* **686**, L9-L12 (2008)

Rigby, J. R., D. Marcillac, E. Egami, G. H. Rieke, J. Richard, J. P. Kneib, D. Fadda, C. N. A. Willmer, C. Borys, P. P. van der Werf, P. G. Pérez-González, K. K. Knudsen and C. Papovich: Mid-infrared spectroscopy of lensed galaxies at $1 < z < 3$: the nature of sources near the MIPS confusion limit. *The Astrophysical Journal* **675**, 262-280 (2008)

Sabbi, E., M. Sirianni, A. Nota, M. Tosi, J. Gallagher, L. J. Smith, L. Angeretti, M. Meixner, M. S. Oey, R. Walterbos and A. Pasquali: The stellar mass distribution in the giant star forming region NGC 346. *The Astronomical Journal* **135**, 173-181 (2008)

Sakelliou, I., M. J. Hardcastle and N. N. Jetha: 3C40 in Abell194: can tail radio galaxies exist in a quiescent cluster? *Monthly Notices of the Royal Astronomical Society* **384**, 87-93 (2008)

Schartmann, M., K. Meisenheimer, M. Camenzind, S. Wolf, K. R. W. Tristram and T. Henning: Three-dimensional radiative transfer models of clumpy tori in Seyfert galaxies. *Astronomy and Astrophysics* **482**, 67-80 (2008)

Schawinski, K., S. Justham, C. Wolf, P. Podsiadlowski, M. Sullivan, K. C. Steenbrugge, T. Bell, H.-J. Röser, E. S. Walker, P. Astier, D. Balam, C. Balland, R. Carlberg, A. Conley, D. Fouchez, J. Guy, D. Hardin, I. Hook, D. A. Howell, R. Pain, K. Perrett, C. Pritchett, N. Regnault and S. K. Yi: Supernova shock breakout from a red supergiant. *Science* **321**, 223-226 (2008)

Schinnerer, E., T. Böker, D. S. Meier and D. Calzetti: Self-regulated fueling of galaxy centers: evidence for star formation feedback in IC 342's nucleus. *The Astrophysical Journal* **684**, L21-L24 (2008)

Schinnerer, E., C. L. Carilli, P. Capak, A. Martinez-Sansigre, N. Z. Scoville, V. Smolcic, Y. Taniguchi, M. S. Yun, F. Bertoldi, O. Le Fevre and L. de Ravel: Molecular gas in a submillimeter galaxy at $z = 4.5$: evidence for a major merger at 1 billion years after the big

bang. *The Astrophysical Journal* **689**, L5-L8 (2008)

Schmidt, K. B., S. H. Hansen and A. V. Macciò: Alas, the dark matter structures were not that trivial. *The Astrophysical Journal* **689**, L33-L36 (2008)

Schramm, M., L. Wisotzki and K. Jahnke: Host galaxies of bright high redshift quasars: luminosities and colours. *Astronomy and Astrophysics* **478**, 311-319 (2008)

Sheth, K., D. M. Elmegreen, B. G. Elmegreen, P. Capak, R. G. Abraham, E. Athanassoula, R. S. Ellis, B. Mobasher, M. Salvato, E. Schinnerer, N. Z. Scoville, L. Spalsbury, L. Strubbe, M. Carollo, M. Rich and A. A. West: Evolution of the bar fraction in COSMOS: quantifying the assembly of the Hubble sequence. *The Astrophysical Journal* **675**, 1141-1155 (2008)

Shields, J. C., C. J. Walcher, T. Böker, L. C. Ho, H.-W. Rix and R. P. van der Marel: An accreting black hole in the nuclear star cluster of the bulgeless galaxy NGC 1042. *The Astrophysical Journal* **682**, 104-109 (2008)

Shioya, Y., Y. Taniguchi, S. S. Sasaki, T. Nagao, T. Murayama, M. I. Takahashi, M. Ajiki, Y. Ideue, S. Mihara, A. Nakajima, N. Z. Scoville, B. Mobasher, H. Aussel, M. Giavalisco, L. Guzzo, G. Hasinger, C. Impey, O. Le Fevre, S. Lilly, A. Renzini, M. Rich, D. B. Sanders, E. Schinnerer, P. Shopbell, A. Leauthaud, J. P. Kneib, J. Rhodes and R. Massey: The Ha luminosity function and star formation rate at $z \approx 0.24$ in the COSMOS 2 square degree field. *The Astrophysical Journal Supplement Series* **175**, 128-137 (2008)

Skibba, R. A.: Central and satellite colours in galaxy groups: a comparison of the halo model and SDSS group catalogues. *Monthly Notices of the Royal Astronomical Society* **1441** (2008)

Smith, D. J. B., M. J. Jarvis, M. Lacy and A. Martínez-Sansigre: Infrared and millimetre-wavelength evidence for cold accretion within a $z = 2.83$ Lyman α blob. *Monthly Notices of the Royal Astronomical Society* **389**, 799-805 (2008)

Smolcic, V., E. Schinnerer, M. Scoveggio, P. Franzetti, H. Aussel, M. Bondi, M. Brusa, C. L. Carilli, P. Capak, S. Charlot, P. Ciliegi, O. Ilbert, Z. Ivezic, K. Jahnke, H. J. McCracken, M. Obric, M. Salvato, D. B. Sanders, N. Scoville, J. R. Trump, C. Tremonti, L. Tasca, C. J. Walcher and G. Zamorani: A new method to separate star-forming from AGN galaxies at intermediate redshift. The submillijansky radio population in the VLA-COSMOS survey. *The Astrophysical Journal Supplement Series* **177**, 14-38 (2008)

Somerville, R. S., M. Barden, H.-W. Rix, E. F. Bell, S. V. W. Beckwith, A. Borch, J. A. R. Caldwell, B. Häußler, C. Heymans, K. Jahnke, S. Jogee, D. H. McIntosh, K. Meisenheimer, C. Y. Peng, S. F. Sánchez, L. Wisotzki and C. Wolf: An explanation for the observed weak size evolution of disk galaxies. *The Astrophysical Journal* **672**, 776-786 (2008)

Somerville, R. S., P. F. Hopkins, T. J. Cox, B. E. Robertson and L. Hernquist: A semi-analytic model for the co-evolution of galaxies, black holes and active galactic nuclei. *Monthly Notices of the Royal Astronomical Society* **391**, 481-506 (2008)

Tacconi, L. J., R. Genzel, I. Smail, R. Neri, S. C. Chapman, R. J. Ivison, A. Blain, P. Cox, A. Omont, F. Bertoldi, T. Greve, N. M. Förster Schreiber, S. Genel, D. Lutz, A. M. Swinbank, A. E. Shapley, D. K. Erb, A. Cimatti, E. Daddi and A. J. Baker: Submillimeter galaxies at $z \sim 2$: evidence for major mergers and constraints on lifetimes, IMF, and CO-H₂ conversion factor. *The Astrophysical Journal* **680**, 246-262 (2008)

Tamburro, D., H. W. Rix, F. Walter, E. Brinks, W. J. G. de Blok, R. C. Kennicutt and M. M. MacLow: Geometrically derived timescales for star formation in spiral galaxies. *The Astronomical Journal* **136**, 2872-2885 (2008)

Tan, J. C., H. Beuther, F. Walter and E. G. Blackman: A search for molecular gas in the nucleus of M87 and implications for the fueling of supermassive black holes. *The Astrophysical Journal* **689**, 775-781 (2008)

Trachternach, C., W. J. G. de Blok, F. Walter, E. Brinks and R. C. Kennicutt: Dynamical centers and noncircular motions in Things galaxies: implications for dark matter halos. *The Astronomical Journal* **136**, 2720-2760 (2008)

van den Bosch, F. C., D. Aquino, X. Yang, H. J. Mo, A. Pasquali, D. H. McIntosh, S. M. Weinmann and X. Kang: The importance of satellite quenching for the build-up of the red

sequence of present-day galaxies. Monthly Notices of the Royal Astronomical Society **387**, 79-91 (2008)

Verhamme, A., D. Schaerer, H. Atek and C. Tapken: 3D Ly α radiation transfer. III. Constraints on gas and stellar properties of $z \sim 3$ Lyman break galaxies (LBG) and implications for high- z LBGs and Ly α emitters. Astronomy and Astrophysics **491**, 89-111 (2008)

Villar-Martín, M., A. Humphrey, A. Martínez-Sansigre, M. Pérez-Torres, L. Binette and X. G. Zhang: Emission-line activity in type 2 quasars from the Sloan Digital Sky Survey. Monthly Notices of the Royal Astronomical Society **390**, 218-226 (2008)

Walsh, J. L., A. J. Barth, L. C. Ho, A. V. Filippenko, H.-W. Rix, J. C. Shields, M. Sarzi and W. L. W. Sargent: Hubble Space Telescope Spectroscopic observations of the narrow-line region in nearby low-luminosity active galactic nuclei. The Astronomical Journal **136**, 1677-1702 (2008)

Walter, F., E. Brinks, W. J. G. de Blok, F. Bigiel, R. C. Kennicutt, M. D. Thornley and A. Leroy: THINGS: the H I Nearby Galaxy Survey. The Astronomical Journal **136**, 2563-2647 (2008)

Walter, F. and C. Carilli: Detecting the most distant ($z > 7$) objects with ALMA. Astrophysics and Space Science **313**, 313-316 (2008)

Wang, R., C. L. Carilli, J. Wagg, F. Bertoldi, F. Walter, K. M. Menten, A. Omont, P. Cox, M. A. Strauss, X. Fan, L. Jiang and D. P. Schneider: Thermal emission from warm dust in the most distant quasars. The Astrophysical Journal **687**, 848-858 (2008)

Wang, R., J. Wagg, C. L. Carilli, D. J. Benford, C. D. Dowell, F. Bertoldi, F. Walter, K. M. Menten, A. Omont, P. Cox, M. A. Strauss, X. Fan and L. Jiang: Sharc-II 350 mm observations of thermal emission from warm dust in $z > = 5$ Quasars. The Astronomical Journal **135**, 1201-1206 (2008)

Wang, Y., X. Yang, H. J. Mo, C. Li, F. C. van den Bosch, Z. Fan and X. Chen: Probing the intrinsic shape and alignment of dark matter haloes using SDSS galaxy groups. Monthly Notices of the Royal Astronomical Society **385**, 1511-1522 (2008)

Wang, Y., X. Yang, H. J. Mo, F. C. van den Bosch, S. M. Weinmann and Y. Chu: The clustering of SDSS galaxy groups: mass and color dependence. The Astrophysical Journal **687**, 919-935 (2008)

Weisz, D. R., E. D. Skillman, J. M. Cannon, A. E. Dolphin, R. C. Kennicutt, Jr., J. Lee and F. Walter: The recent star formation histories of M81 group dwarf irregular galaxies. The Astrophysical Journal **689**, 160-183 (2008)

Wolf, C., H. Hildebrandt, E. N. Taylor and K. Meisenheimer: Calibration update of the COMBO-17 CDFS catalogue. Astronomy and Astrophysics **492**, 933-936 (2008)

Xue, X. X., H. W. Rix, G. Zhao, P. Re Fiorentin, T. Naab, M. Steinmetz, F. C. van den Bosch, T. C. Beers, Y. S. Lee, E. F. Bell, C. Rockosi, B. Yanny, H. Newberg, R. Wilhelm, X. Kang, M. C. Smith and D. P. Schneider: The Milky Way's circular velocity curve to 60 kpc and an estimate of the dark matter halo mass from the kinematics of \sim 2400 SDSS blue horizontal-branch stars. The Astrophysical Journal **684**, 1143-1158 (2008)

Yang, X., H. J. Mo and F. C. van den Bosch: Galaxy groups in the SDSS DR4. II. Halo occupation statistics. The Astrophysical Journal **676**, 248-261 (2008)

Younger, J. D., J. S. Dunlop, A. B. Peck, R. J. Ivison, A. D. Biggs, E. L. Chapin, D. L. Clements, S. Dye, T. R. Greve, D. H. Hughes, D. Iono, I. Smail, M. Krips, G. R. Pettpas, D. Wilner, A. M. Schael and C. D. Wilson: Clarifying the nature of the brightest submillimetre sources: interferometric imaging of LH850.02. Monthly Notices of the Royal Astronomical Society **387**, 707-712 (2008)

Zapatero Osorio, M. R., V. J. S. Béjar, G. Bihain, E. L. Martín, R. Rebolo, I. Villó-Pérez, A. Díaz-Sánchez, A. Pérez Garrido, J. A. Caballero, T. Henning, R. Mundt, D. Barrado Y Navascués and C. A. L. Bailer-Jones: New constraints on the membership of the T dwarf S Ori 70 in the s Orionis cluster. Astronomy and Astrophysics **477**, 895-900 (2008)

Zirm, A. W., S. A. Stanford, M. Postman, R. A. Overzier, J. P. Blakeslee, P. Rosati, J. Kurk, L. Pentericci, B. Venemans, G. K. Miley, H. J. A. Röttgering, M. Franx, A. van der Wel, R. Demarco and W. van Breugel: The nascent red sequence at $z \sim 2$. The Astrophysical Journal **680**, 224-231 (2008)

Zwaan, M., F. Walter, E. Ryan-Weber, E. Brinks, W. J. G. de Blok and R. C. Kennicutt: Are the kinematics of DLAs in agreement with their arising in the gas disks of galaxies? The Astronomical Journal **136**, 2886-2896 (2008)

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Contributed Papers

Bailer-Jones, C. A. L.: A Method for Exploiting Domain Information in Astrophysical Parameter Estimation. In: Astronomical Data Analysis Software and Systems (Eds.) Argyle, R. W., P. S. Bunclark, J. R. Lewis. ASP Conf. Ser. **394**, ASP, 169-172 (2008)

Bailer-Jones, C. A. L. and K. W. Smith: Finding rare objects and building pure samples: Probabilistic quasar classification with Gaia. In: Classification and Discovery in Large Astronomical Surveys, (Ed.) Bailer-Jones, C. A. L. AIP Conference Proceedings **1082**, AIP, 3-8 (2008)

Baumeister, H., M. Alter, M. C. Cárdenas Vázquez, M. Fernandez, J. Fried, J. Helmling, A. Huber, J.-M. Ibáñez Mengual, J. F. Rodríguez Gómez, W. Laun, R. Lenzen, U. Mall, V. Naranjo, J.-R. Ramos, R.-R. Rohloff, A. García Segura, C. Storz, M. Ubierna and K. Wagner: PANIC: the new panoramic NIR camera for Calar Alto. In: Ground-based and Airborne Instrumentation for Astronomy II, (Eds.) McLean, I. S., M. M. Casali. SPIE **7014**, SPIE, 70142R-70142R-9 (2008)

Bell, E. F.: The evolving disk galaxy population. In: Formation and Evolution of Galaxy Disks, (Eds.) Funes, J. G., E. M. Corsini. ASP Conf. Ser. **396**, ASP, 389-395 (2008)

Bertram, T., A. Eckart, B. Lindhorst, S. Rost, C. Straubmeier, E. Tremou, Y. Wang, I. Wank, G. Witzel, U. Beckmann, M. Brix, S. Egner and T. Herbst: The LINC-NIRVANA fringe and flexure tracking system. In: Optical and Infrared Interferometry, (Eds.) Schöller, M., W. C. Danchi, F. Delplancke. SPIE **7013**, SPIE, 701327-701327-12 (2008)

Berwein, J., F. Briegel, W. Gaessler and F. Kittmann: A template based SOA developer framework. In: Astronomical Data Analysis Software and Systems XVII, (Eds.) Argyle, R. W., P. S. Bunclark, J. R. Lewis. ASP Conf. Ser. **394**, ASP, 685-688 (2008)

Berwein, J., F. Briegel, W. Gaessler, F. Kittmann and A. Pavlov: An SOA developer framework for astronomical instrument control software. In: Advanced Software and Control for Astronomy II, (Eds.) Bridger, A., N. M. Radziwill. SPIE **7019**, SPIE, 70191T-70191T-8 (2008)

Brinks, E., F. Walter and E. D. Skillman: Free floating HI clouds in the M 81 group. In: Dark Galaxies and Lost Baryons, (Eds.) Davies, J. I., M. J. Disney. IAU Symp. **244**, Cambridge Univ. Press, 120-126 (2008)

Brix, M., V. Naranjo, U. Beckmann, R. Bertram, T. Bertram, J. Brynnel, S. Egner, W. Gaessler, T. M. Herbst, M. Kuerster, R. R. Rohloff, S. Rost and J. Schmidt: Vibration measurements at the Large Binocular Telescope (LBT). In: Ground-based and Airborne Telescopes II, (Eds.) Stepp, L. M., R. Gilmozzi. SPIE **7012**, SPIE, 70122J-70122J-10 (2008)

Chesneau, O., R. V. Boekel, T. Herbst, P. Kervella, M. Min, L. B. F. M. Waters, C. Leinert, R. Petrov and G. Weigelt: Eta Car through the Eyes of Interferometers. In: The Power of Optical/IR Interferometry: Recent Scientific Results and 2_{nd} Generation Instrumentation, (Eds.) Richichi, A., F. Delplancke, F. Paresce, A. Chelli. ESO Astrophysics Symposia Springer, 131-141 (2008)

Cisternas, M., K. Jahnke and K. J. Inskeep: Towards an automatic classification of distortions as merging indicators in AGN host galaxies. In: Classification and Discovery in Large Astronomical Surveys, (Ed.) Bailer-Jones, C. A. L. AIP Conference Proceedings **1082**, American Institute of Physics, 134-136 (2008)

di Serego Alighieri, S., J. Kurk, B. Ciardi, A. Cimatti, E. Daddi and A. Ferrara: The search for population III stars. In: Low-Metallicity Star Formation: From the First Stars to Dwarf Galaxies, (Eds.) Hunt, L. K., S. Madden, R. Schneider. IAU Symp. **255**, Cambridge Univ. Press, 75-78 (2008)

Doherty, M., T. Kodama, N. Seymour, M. Tanaka, J. Vernet, C. De Breuck and J. Kurk:
 Massive galaxies in high redshift proto-clusters. In: Panoramic Views of Galaxy Formation and Evolution, (Eds.) Kodama, T., T. Yamada, K. Aoki. ASP Conf. Ser. **399**, ASP, 368-370 (2008)

Driebe, T., D. Riechers, Y. Y. Balega, K. H. Hofmann, A. B. Men'shchikov and G. Weigelt:
 High-Resolution Near-Infrared Speckle Interferometry and Radiative Transfer Modeling of the OH/IR Star OH 26.5+0.6. In: The Power of Optical/IR Interferometry: Recent Scientific Results and 2nd Generation Instrumentation, (Eds.) Richichi, A., F. Delplancke, F. Paresce, A. Chelli. Eso Astrophysics Symposia Springer, 509-510 (2008)

Dutton, A. A., F. C. van den Bosch and S. Courteau: The Tully-Fisher zero point problem. In: Formation and Evolution of Galaxy Disks, (Eds.) Funes, J. G., E. M. Corsini. ASP Conf. Ser. **396**, ASP, 467-470 (2008)

Egner, S. E., T. M. Herbst and C. Arcidiacono: General performance analysis of a Fizeau interferometer. In: Optical and Infrared Interferometry, (Eds.) Schöller, M., W. C. Danchi, F. Delplancke. SPIE **7013**, SPIE, 70133C-70133C-12 (2008)

Einbeck, J., L. Evers and C. Bailer-Jones: Representing complex data using localized principal components with application to astronomical data. In: Principal Manifolds for Data Visualization and Dimension Reduction, Lecture Notes in Computational Science and Engineering, Vol. 58, (Eds.) Gorban, A. N., B. Kegl, D. C. Wunsch, A. Zinovyev. Springer, Heidelberg 2008, 180-204

Elias, N. M., R. N. Tubbs, R. Köhler, S. Reffert, I. Stilz, R. Launhardt, J. de Jong, A. Quirrenbach, F. Delplancke, T. Henning and D. Queloz: The astrometric data reduction software (ADRS) and error budget for PRIMA. In: Exoplanets: Detection, Formation and Dynamics, (Eds.) Sun, Y.-S., S. Ferraz-Mello, J.-L. Zhou. IAU Symp. **249**, Cambridge Univ. Press, 119-122 (2008)

Elting, C., C. A. L. Bailer-Jones and K. W. Smith: Photometric Classification of Stars, Galaxies and Quasars in the Sloan Digital Sky Survey DR6 Using Support Vector Machines. In: Classification and Discovery in Large Astronomical Surveys, (Ed.) Bailer-Jones, C. A. L. AIP Conference Proceedings **1082**, American Institute of Physics, 9-14 (2008)

Falcón-Barroso, J., T. Böker, E. Schinnerer, J. H. Knapen and S. Ryder: A SINFONI view of circum-nuclear star-forming rings in spiral galaxies. In: Formation and Evolution of Galaxy Bulges, (Eds.) Bureau, M., E. Athanassoula, B. Barbuy. IAU Symp. **245**, Cambridge Univ. Press 177-180 (2008)

Farinato, J., R. Ragazzoni, C. Arcidiacono, A. Brunelli, M. Dima, G. Gentile, V. Viotto, E. Diolaiti, I. Foppiani, M. Lombini, L. Schreiber, P. Bizenberger, F. De Bonis, S. Egner, W. Gäßler, T. Herbst, M. Kürster, L. Mohr and R. R. Rohloff: The Multiple Field of View Layer Oriented wavefront sensing system of LINC-NIRVANA: two arcminutes of corrected field using solely Natural Guide Stars. In: Adaptive Optics Systems, (Eds.) Hubin, N., C. E. Max, P. L. Wizinowich. SPIE **7015**, SPIE, 70155J-70155J-11 (2008)

Foppiani, I., M. Lombini, G. Bregoli, G. Cosentino, E. Diolaiti, G. Innocenti, D. Meschke, R.-R. Rohloff, T. M. Herbst and C. Ciattaglia: An infrared test camera for LBT adaptive optics commissioning. In: Adaptive Optics Systems, (Eds.) Hubin, N., C. E. Max, P. L. Wizinowich. SPIE **7015**, SPIE, 701562-701562-11 (2008)

Franco, I. and L. Carigi: The delayed contribution of low and intermediate mass stars to chemical galactic enrichment: An analytical approach. Revista Mexicana de Astronomía y Astrofísica **44**, 311-323 (2008)

Gál, C., F. Müller-Sánchez, A. Krabbe, F. Eisenhauer, C. Iserlohe, M. Haug and T. M. Herbst: LIINUS: a design study for interferometric imaging spectroscopy at the LBT. In: Ground-based and Airborne Instrumentation for Astronomy II, (Eds.) McLean, I. S., M. M. Casali. SPIE **7014**, SPIE, 70147E-70147E-12 (2008)

Giridhar, S., R. O. Gray, C. J. Corbally, C. A. L. Bailer-Jones, L. Eyer, M. J. Irwin, J. D. Kirkpatrick, S. Majewski, D. Minniti and B. Nordström: Commission 45: Spectral Classification. In: Transactions of the IAU, (Ed.) van der Hucht, K. A. Transactions of the International Astronomical Union, Series A **27**, Cambridge Univ. Press, 228-235 (2008)

Gondoin, P., R. D. Hartog, M. Fridlund, P. Fabry, A. Stankov, A. Peacock, S. Volonte, F.

Puech, F. Delplancke, P. Gitton, A. Glindemann, F. Paresce, A. Richichi, M. Barillot, O. Absil, F. Cassaing, V. Coudédu Foresto, P. Kervella, G. Perrin, C. Ruillier, R. Flatscher, H. Bokhove, K. Ergenzinger, A. Quirrenbach, O. Wallner, J. Alves, T. Herbst, D. Mourard, R. Neuhäuser, D. Ségransan, R. Waters and G. J. White: GENIE: a ground-based European nulling instrument at ESO Very Large Telescope Interferometer. In: The Power of Optical/IR Interferometry: Recent Scientific Results and 2nd Generation Instrumentation, (Eds.) Richichi, A., F. Delplancke, F. Paresce, A. Chelli. ESO Astrophysics Symposia Springer, 445-456 (2008)

Grille, R., L. Labadie, P. Kern, G. Martin and B. Arezki: Characterization of silver halide fiber for modal filtering on mid-infrared: imaging, nulling, and spectral transmission. In: Optical and Infrared Interferometry, (Eds.) Schöller, M., W. C. Danchi, F. Delplancke. SPIE **7013**, SPIE, 70133Q-70133Q-7 (2008)

Haan, S., E. Schinnerer, C. G. Mundell, F. Combes, S. García-Burillo and E. Emsellem: Feeding active galaxies: gas dynamics from the outskirts to the very center. In: Pathways Through an Eclectic Universe, (Eds.) Knapen, J. H., T. J. Mahoney, A. Vazdekis. ASP Conf. Ser. **390**, ASP, 392-393 (2008)

Haan, S., E. Schinnerer, C. G. Mundell, F. Combes, S. García-Burillo and E. Emsellem: Feeding black holes: tracing gas flows from the outskirts to the centers of galaxies. In: Formation and Evolution of Galaxy Bulges, (Eds.) Bureau, M., E. Athanassoula, B. Barbuy. IAU Symp. **245**, Cambridge Univ. Press 247-248 (2008)

Heiderman, A., S. Jogee, D. Bacon, M. Balogh, M. Barden, F. D. Barazza, E. F. Bell, A. Böhm, J. A. R. Caldwell, M. E. Gray, B. Häussler, C. Heymans, K. Jahnke, E. van Kampen, S. Koposov, K. Lane, I. Marinova, D. McIntosh, K. Meisenheimer, C. Y. Peng, H. W. Rix, S. F. Sánchez, R. Somerville, A. Taylor, L. Wisotzki, C. Wolf and X. Zheng: Morphological transformations of galaxies in the A901/02 supercluster from STAGES. In: New Horizons in Astronomy: Frank N. Bash Symposium (Eds.) Frebel, A., J. R. Maund, J. Shen, M. H. Siegel. ASP Conf. Ser **393**, ASP, 211-214 (2008)

Heiderman, A. L., S. Jogee, D. J. Bacon, M. L. Balogh, M. Barden, F. D. Barazza, E. F. Bell, A. Böhm, J. A. R. Caldwell, M. E. Gray, B. Häussler, C. Heymans, K. Jahnke, E. van Kampen, S. Koposov, K. Lane, D. H. McIntosh, K. Meisenheimer, C. Y. Peng, H. W. Rix, S. F. Sanchez, R. Somerville, A. N. Taylor, L. Wisotzki, C. Wolf and X. Zheng: Galaxy evolution in dense environments: properties of interacting galaxies in the Abell 901/902 supercluster. In: Formation and Evolution of Galaxy Disks (Eds.) Funes, J. G., E. M. Corsini. ASP Conf. Ser. **396**, ASP, 269-271 (2008)

Herald, D., F. Abbeel, S. Aguirre, P. Anderson, M. Antos, M. Audejean, H. Bill, M. Blichfeldt, G. Bolt, S. Bolzoni, M. Bonnardeau, R. Bourtembourg, J. Bradshaw, D. Breit, J. Broughton, H. Bulder, S. Campbell, T. Campbell, E. Castro, D. Caton, V. Cejka, A. Christou, D. Clark, A. Correa, K. Coughlin, G. Dangl, S. Degenhardt, M. Dentel, H. Denzau, T. Dobosz, J. Durech, P. Enskonatus, B. Ewen-Smith, O. Farago, R. Fleishman, R. Frankenberger, P. Gabriel, A. Galad, D. Gault, T. George, R. Goncalves, J. Goss, H. Groot, K. Halir, B. Harris, A. Hashimoto, T. Hayamizu, G. Hofler, S. Ionov, T. Janik, J. Jindra, K. Kageyama, D. Kapetanakis, M. Kapka, V. Kapkov, H. Karasaki, S. Kerr, B. King, O. Kloes, J. Kopplin, N. Kordts, D. Koschny, M. Kroclil, P. Kusnirak, T. Ladanyi, J. Lecacheux, J. Leckmeyer, A. Leroy, B. Loader, T. Lohf, F. Lomoz, C. Macdougal, I. Majchrovic, P. Maley, J. Manek, J. McFarland and J. McGaha: Minor Planet Observations [244 Geocentric Occultation Observations]. Minor Planet Circulars **6358**, (2008)

Herbst, T. M., R. Ragazzoni, A. Eckart and G. Weigelt: LINC-NIRVANA: achieving 10 mas imagery on the Large Binocular Telescope. In: Ground-based and Airborne Instrumentation for Astronomy II, (Eds.) McLean, I. S., M. M. Casali. SPIE **7014**, SPIE, 70141A-70141A-6 (2008)

Herbst, T. M., R. Ragazzoni, A. Eckart and G. Weigelt: LINC-NIRVANA: the Fizeau interferometer for the Large Binocular Telescope. In: Optical and Infrared Interferometry, (Eds.) Schöller, M., W. C. Danchi, F. Delplancke. SPIE **7013**, SPIE, 701326-701326-7 (2008)

Holwerda, B. W., R. S. de Jong, A. Seth, J. J. Dalcanton, M. Regan, E. Bell and S. Bianchi: SPITZER's view of edge-on spirals. In: Formation and Evolution of Galaxy Disks (Eds.) Funes, J. G., E. M. Corsini. ASP Conf. Ser. **396**, ASP, 209-210 (2008)

Jogee, S., S. Miller, K. Penner, E. F. Bell, C. Conselice, R. E. Skelton, R. S. Somerville, H. W.

Rix, F. D. Barazza, M. Barden, A. Borch, S. V. Beckwith, J. A. R. Caldwell, B. Häussler, C. Heymans, K. Jahnke, D. McIntosh, K. Meisenheimer, C. Papovich, C. Y. Peng, A. Robaina, S. Sanchez, L. Wisotzki and C. Wolf: Frequency and impact of galaxy mergers and interactions over the last 7 Gyr. In: Formation and Evolution of Galaxy Disks, (Eds.) Funes, J. G., E. M. Corsini. ASP Conf. Ser. **396**, ASP, 337-340 (2008)

Kittmann, F., F. Biegel, L. Mohr, S. Egner, W. Gaessler, J. Berwein, A. Pavlov and C. Storz: Design and implementation of a service-oriented driver architecture for LINC-NIRVANA. In: Advanced Software and Control for Astronomy II, (Eds.) Bridger, A., N. M. Radziwill. SOIE **7019**, SPIE, 70191G-70191G-11 (2008)

Kleinman, S. J., J. E. Gunn, B. Boroski, D. Long, S. Snedden, A. Nitta, J. Krzesinski, M. Harvanek, E. Neilsen, B. Gillespie, J. C. Barentine, A. Uomoto, D. Tucker, D. York and S. Jester: Lessons learned from Sloan Digital Sky Survey operations. In: Observatory Operations: Strategies, Processes, and Systems II, (Eds.) Brissenden, R. J., D. R. Silva. SPIE **7016**, SPIE, 70160B-70160B-12 (2008)

Knudsen, K. K., J. P. Kneib and E. Egami: Extending the redshift distribution of submm galaxies: identification of a $z \sim 4$ submm galaxy. In: The Second Annual SPITZER Science Center Conference: Infrared Diagnostics of Galaxy Evolution, (Eds.) Chary, R.-R., H. I. Teplitz, K. Sheth. ASP Conf. Ser. **381**, ASP, 372-375 (2008)

Koposov, S.: Searching for clusters and streams in large photometric surveys. In: Classification and Discovery in Large Astronomical Surveys, (Ed.) Bailer-Jones, C. A. L. AIP Conference Proceedings **1082**, American Institute of Physics 233-237 (2008)

Kurk, J., A. Cimatti, G. Zamorani, C. Halliday, M. Mignoli, L. Pozzetti, E. Daddi, P. Rosati, M. Dickinson, M. Bolzonella, P. Cassata, A. Renzini, A. Franceschini, G. Rodighiero and S. Berta: A spectroscopic study of a $z=1.6$ galaxy overdensity in the GMASS field. In: Panoramic Views of Galaxy Formation and Evolution, (Eds.) Kodama, T., T. Yamada, K. Aoki. ASP Conf. Ser. **399**, ASP, 332-335 (2008)

Kurk, J. D., A. Cimatti, E. Daddi, M. Dickinson, M. Mignoli, L. Pozzetti, M. Bolzonella, S. Berta, G. Zamorani, P. Cassata, G. Rodighiero, A. Franceschini, A. Renzini and P. Rosati: GMASS, Unveiling Distant Massive Galaxies with SPITZER. In: The Second Annual SPITZER Science Center Conference: Infrared Diagnostics of Galaxy Evolution, (Eds.) Chary, R.-R., H. I. Teplitz, K. Sheth. ASP Conf. Ser. **381**, ASP, 303-308 (2008)

Labadie, L., F. de Bonis, S. Egner, T. Herbst, P. Bizenberger, M. Kürster and A. Delboulé: Preparation of the calibration unit for LINC-NIRVANA. In: Optical and Infrared Interferometry, (Eds.) Schöller, M., W. C. Danchi, F. Delplancke. SPIE **7013**, SPIE, 701334-701334-10 (2008)

Labadie, L., M. Gustafsson, T. M. Herbst and M. Kasper: Resolving with SINFONI the H_{α} emission from T Tau's disk. In: SF2A-2008, (Eds.) Charbonnel, C., F. Combes, R. Samadi. French Society of Astronomy and Astrophysics, 483-485 (2008)

Labadie, L., T. M. Herbst and H. W. Rix: Interferometry at the LBT. In: SF2A-2008, (Eds.) Charbonnel, C., F. Combes, R. Samadi. French Society of Astronomy and Astrophysics 73-76 (2008)

Lang, S. and K. Jäger: 3D scene reconstruction from IR image sequences for image-based navigation update and target detection of an autonomous airborne system. In: Infrared Technology and Applications XXXIV, (Eds.) Andresen, B. F., G. F. Fulop, P. R. Norton. SPIE **6940**, SPIE, 69401L-69401L-9 (2008)

Lee, J. C., R. C. Kennicutt, C. W. Engelbracht, D. Calzetti, D. A. Dale, K. D. Gordon, J. J. Dalcanton, E. Skillman, A. Begum, J. G. Funes, A. Gil de Paz, B. Johnson, S. Sakai, L. van Zee, F. Walter, D. Weisz, B. Williams, Y. Wu and M. Block: The Local Volume Legacy survey. In: Formation and Evolution of Galaxy Disks, (Eds.) Funes, J. G., E. M. Corsini. ASP Conf. Ser. **396**, ASP, 151-152 (2008)

Leroy, A., F. Bigiel, F. Walter, E. Brinks, W. J. G. de Blok and B. Madore: Star formation in the HI Nearby Galaxy Survey. In: Massive Star Formation: Observations Confront Theory, (Eds.) Beuther, H., H. Linz, T. Henning. ASP Conf. Ser. **387**, ASP, 408-414 (2008)

Leroy, A. and G. Dubois: Comet Observations Minor Planet Circulars **6352**, (2008)

Lindgren, L., C. Babusiaux, C. Bailer-Jones, U. Bastian, A. G. A. Brown, M. Cropper, E. Høg, C. Jordi, D. Katz, F. van Leeuwen, X. Luri, F. Mignard, J. H. J. de Bruijne and T. Prusti: The Gaia mission: science, organization and present status. In: A Giant Step: from Milli- to Micro-arcsecond Astrometry, (Eds.) Jin, W., I. Platais, M. A. C. Perryman. IAU Symp. **248**, Cambridge Univ. Press, 217-223 (2008)

Listowski, C., B. Goldman and C. A. L. Bailer-Jones: Search for variability in ultra-cool dwarfs spectroscopic investigation for correlated variability. In: SF2A-2008, (Eds.) Charbonnel, C., F. Combes, R. Samadi. French Society of Astronomy and Astrophysics, 495-496 (2008)

Lopez, B., S. Wolf, M. Duguée, U. Graser, P. Mathias, P. Antonelli, J. C. Augereau, J. Behrend, N. Berruyer, Y. Bresson, O. Chesneau, C. Connot, K. Demyk, E. Difolco, A. Dutrey, S. Flament, P. Gitton, A. Glazeborg, A. Glindemann, M. Heininger, T. Henning, K. H. Hofmann, Y. Hugues, W. Jaffe, S. Jankov, S. Kraus, S. Lagarde, C. Leinert, H. Linz, K. Meisenheimer, L. Mosoni, J. L. Menut, U. Neumann, A. Niedzielski, F. Przygodda, F. Puech, T. Ratzka, R. Rohloff, A. Roussel, D. Schertl, F. X. Schmider, B. Stecklum, E. Thiébaut, F. Vakili, K. Wagner and G. Weigelt: APerture synthesis in the MID-infrared with the VLTI. In: The Power of Optical/IR Interferometry: Recent Scientific Results and 2nd Generation Instrumentation, (Eds.) Richichi, A., F. Delplancke, F. Paresce, A. Chelli. ESO Astrophysics Symposia Springer, 345-356 (2008)

Macciò, A. V.: QSO strong gravitational lensing and the detection of dark halos. In: Dark Galaxies and Lost Baryons, (Eds.) Davies, J. I., M. J. Disney. IAU Symp. **244**, Cambridge Univ. Press, 186-195 (2008)

Marinova, I., S. Jogee, D. Bacon, M. Balogh, M. Barden, F. D. Barazza, E. F. Bell, A. Böhm, J. A. R. Caldwell, M. E. Gray, B. Häussler, C. Heymans, K. Jahnke, E. van Kampen, S. Koposov, K. Lane, D. H. McIntosh, K. Meisenheimer, C. Y. Peng, H. W. Rix, S. F. Sánchez, A. Taylor, L. Wisotzki, C. Wolf and X. Zheng: Characterizing Barred Galaxies in the Abell 901/902 Supercluster from STAGES. In: New Horizons in Astronomy: Frank N. Bash Symposium 2007 (Eds.) Frebel, A., J. R. Maund, J. Shen, M. H. Siegel. ASP Conf. Ser. **393**, ASP, 231-234 (2008)

Meisenheimer, K.: Resolving the dusty tori in AGN with the VLT interferometer. In: The Power of Optical/IR Interferometry: Recent Scientific Results and 2nd Generation Instrumentation, (Eds.) Richichi, A., F. Delplancke, F. Paresce, A. Chelli. ESO Astrophysics Symposia Springer, 289-300 (2008)

Meisenheimer, K., K. Tristram and W. Jaffe: Resolving the dust tori in AGN with the VLT interferometer. In: Relativistic Astrophysics Legacy and Cosmology – Einstein’s (Eds.) Aschenbach, B., V. Burwitz, G. Hasinger, B. Leibundgut. Eso Astrophysics Symposia Springer, 253-260 (2008)

Michielsen, D., M. Koleva, S. de Rijcke, W. W. Zeilinger, P. Prugniel, H. Dejonghe, A. Pasquali, I. Ferreras and V. P. Debattista: Stellar populations in dwarf elliptical galaxies. In: Pathways Through an Eclectic Universe (Eds.) Knapen, J. H., T. J. Mahoney, A. Vazdekis. ASP Conf. Ser. **390**, ASP, 308-309 (2008)

Mignard, F., C. Bailer-Jones, U. Bastian, R. Drimmel, L. Eyer, D. Katz, F. van Leeuwen, X. Luri, W. O’Mullane, X. Passot, D. Pourbaix and T. Prusti: Gaia: organisation and challenges for the data processing. In: A Giant Step: from Milli- to Micro-arcsecond Astrometry, (Eds.) Jin, W., I. Platais, M. A. C. Perryman. IAU Symp. **248**, Cambridge Univ. Press 224-230 (2008)

Miller, S. H., S. Jogee, C. Conselice, K. Penner, E. Bell, X. Zheng, C. Papovich, R. Skelton, R. Somerville, H. W. Rix, F. Barazza, M. Barden, A. Borch, S. Beckwith, J. Caldwell, B. Häussler, C. Heymans, K. Jahnke, D. McIntosh, K. Meisenheimer, C. Peng, A. Robaina, S. Sanchez, L. Wisotzki and C. Wolf: Exploring the impact of galaxy interactions over seven billion years with CAS. In: New Horizons in Astronomy: Frank N. Bash Symposium 2007, (Eds.) Frebel, A., J. R. Maund, J. Shen, M. H. Siegel. ASP Conf. Ser. **393**, ASP, 235-238 (2008)

Müller Sánchez, F., F. Eisenhauer, M. Haug, C. Gál, A. Krabbe and T. M. Herbst: Coupling LBT’s double pupil into optical fibers. In: Ground-based and Airborne Instrumentation for Astronomy II, (Eds.) McLean, I. S., M. M. Casali. SPIE **7014**, SPIE, 70144I-70144I-12 (2008)

Müller Sánchez, F., C. Gál, F. Eisenhauer, A. Krabbe, M. Haug, C. Iserlohe and T. M. Herbst:

LIINUS/SERPIL: a design study for interferometric imaging spectroscopy at the LBT. In: Ground-based and Airborne Instrumentation for Astronomy II, (Eds.) McLean, I. S., M. M. Casali. SPIE **7014**, SPIE, 701425-701425-12 (2008)

Nicol, M. H., K. Meisenheimer, C. Wolf and I. Franco: Galaxy Population out to z=2 by COMBO17+4. In: Panoramic Views of Galaxy Formation and Evolution, (Eds.) Kodama, T., T. Yamada, K. Aoki. ASP Conf. Ser. **399**, ASP, 207-208 (2008)

Ott, J., E. Skillman, J. Dalcanton, F. Walter, A. Stilp, B. Koribalski, A. West and S. Warren: Connecting Gas Dynamics and Star Formation Histories in Nearby Galaxies: The VLA-ANGST Survey. In: The Evolution of Galaxies Through the Neutral Hydrogen Window, (Eds.) Minchin, R., E. Momjian. AIP Conference Proceedings **1035**, AIP 105-111 (2008)

Pavlov, A., J. Trowitzsch, W. Gässler and J. Berwein: LINC-NIRVANA observation preparation software: a flexible approach. In: Optical and Infrared Interferometry, (Eds.) Schöller, M., W. C. Danchi, F. Delplancke. SPIE **7013**, SPIE, 701336-701336-11 (2008)

Rabien, S., N. Ageorges, R. Angel, G. Brusa, J. Brynnel, L. Busoni, R. Davies, M. Deysenroth, S. Esposito, W. Gässler, R. Genzel, R. Green, M. Haug, M. Lloyd Hart, G. Hözl, E. Masciadri, R. Pogge, A. Quirrenbach, M. Rademacher, H. W. Rix, P. Salinari, C. Schwab, T. Stalcup, Jr., J. Storm, L. Strüder, M. Thiel, G. Weigelt and J. Ziegleder: The laser guide star program for the LBT. In: Adaptive Optics Systems, (Eds.) Hubin, N., C. E. Max, P. L. Wizinowich. SPIE **7015**, SPIE, 701515-701515-12 (2008)

Re Fiorentin, P., C. A. L. Bailer-Jones, T. C. Beers and T. Zwitter: On spectral classification and astrophysical parameter estimation for Galactic surveys. In: Classification and Discovery in Large Astronomical Surveys, (Ed.) Bailer-Jones, C. A. L. AIP Conference Proceedings **1082**, AIP, 76-82 (2008)

Roussel, H., G. Helou and J. D. Smith: NGC 1377: an extragalactic proto-starburst. In: Infrared Diagnostics of Galaxy Evolution, (Eds.) Chary, R.-R., H. I. Teplitz, K. Sheth. ASP Conf. Ser. **381**, ASP, 297-300 (2008)

Sandstrom, K., A. Bolatto, A. Leroy, S. Stanimirovic, J. D. Simon, L. Staveley-Smith and R. Shah: The far-IR radio continuum correlation in the Small Magellanic Cloud. In: Infrared Diagnostics of Galaxy Evolution, (Eds.) Chary, R.-R., H. I. Teplitz, K. Sheth. ASP Conf. Ser. **381**, ASP, 268-271 (2008)

Schartmann, M., K. Meisenheimer, M. Camenzind, S. Wolf and T. Henning: 3D-Models of Clumpy Tori in Seyfert Galaxies. In: Relativistic Astrophysics Legacy and Cosmology – Einstein's, (Eds.) Aschenbach, B., V. Burwitz, G. Hasinger, B. Leibundgut. ESO Astrophysics Symposia Springer, 283-286 (2008)

Schartmann, M., K. Meisenheimer, H. Klahr, M. Camenzind, S. Wolf and T. Henning: Turbulent AGN tori. Memorie della Societa Astronomica Italiana **79**, 1132-1135 (2008)

Schinnerer, E.: Gas Kinematics from the center to the outer disk. In: large version Mapping the Galaxy and Nearby Galaxies (Eds.) Wada, K., F. Combes. Astrophysics and Space Science Proceedings Springer Science+Business Media, 186-193 (2008)

Schinnerer, E., T. Böker, E. Emsellem, U. Lisenfeld and D. Downes: Building up mass in the centers of late type galaxies. In: Formation and Evolution of Galaxy Bulges, (Eds.) Bureau, M., E. Athanassoula, B. Barbuy. IAU Symp. **245**, Cambridge Univ. Press 169-172 (2008)

Schreiber, L., M. Lombini, I. Foppiani, D. Meschke, F. De Bonis, P. Bizenberger, G. Bregoli, G. Cosentino, E. Diolaiti, S. Egner, J. Farinato, W. Gaessler, T. Herbst, G. Innocenti, F. Kittmann, L. Mohr, R. Ragazzoni and R.-R. Rohloff: Integration of the mid-high wavefront sensor to the LINC-NIRVANA post-focal relay. In: Adaptive Optics Systems, (Eds.) Hubin, N., C. E. Max, P. L. Wizinowich. SPIE **7015**, SPIE, 70155A-70155A-11 (2008)

Schwartz, D. A., A. Siemiginowska, D. M. Worrall, M. Birkinshaw, D. L. Jauncey, J. E. J. Lovell, D. W. Murphy, E. S. Perlman, M. Georganopoulos, J. M. Gelbord, G. V. Bicknell, L. Godfrey, S. Jester and H. L. Marshall: A deep Chandra observation of the PKS 1055+201 jets, lobes, and hotspots. In: Extragalactic Jets: Theory and Observation from Radio to Gamma Ray, (Eds.) Rector, T. A., D. S. De Young. ASP Conf. Ser. **386**, ASP, 63-69 (2008)

Smith, K., C. Tiede, C. Elting and C. A. L. Bailer-Jones: Automated classification of Gaia sources. In: Astronomical Data Analysis Software and Systems XVII, (Eds.) Argyle, R. W., P.

S. Bunclark, J. R. Lewis. ASP Conf. Ser. **394**, ASP, 539-542 (2008)

Smith, K. W., C. A. L. Bailer-Jones, C. Elting and C. Tiede: Point source classification from Gaia photometry. In: Classification and Discovery in Large Astronomical Surveys, (Ed.) Bailer-Jones, C. A. L. AIP Conference Proceedings **1082**, AIP, 29-36 (2008)

Somerville, R. S.: The co-evolution of galaxies, black holes, and AGN in a hierarchical universe. In: Panoramic Views of Galaxy Formation and Evolution, (Eds.) Kodama, T., T. Yamada, K. Aoki. ASP Conf. Ser. **399**, ASP, 391-397 (2008)

Tamburro, D., H. W. Rix, F. Walter, E. Brinks, W. J. G. de Blok, R. C. Kennicutt and M. M. Mac Low: Star formation is very rapid in spiral galaxies. In: Formation and Evolution of Galaxy Disks, (Eds.) Funes, J. G., E. M. Corsini. ASP Conf. Ser. **396**, ASP, 163-166 (2008)

Tiede, C., K. Smith and C. A. L. Bailer-Jones: Astrophysical Parameter Estimation for Gaia using Machine Learning Algorithms. In: Astronomical Data Analysis Software and Systems XVII, (Eds.) Argyle, R. W., P. S. Bunclark, J. R. Lewis. ASP Conf. Ser. **394**, ASP, 531-538 (2008)

Tomono, D., W. Gaessler and T. Nishimura: Conceptual design of IR multi-IFU spectrograph with MOAO. In: Ground-based and Airborne Instrumentation for Astronomy II, (Eds.) McLean, I. S., M. M. Casali. SPIE **7014**, SPIE, 70141B-70141B-10 (2008)

Tristram, K. R. W., D. Raban, L. Burtscher, K. Meisenheimer and W. J. Jaffe: Resolving the dusty cores of nearby AGN with mid-infrared interferometry. Memorie della Societa Astronomica Italiana **79**, 1144-1147 (2008)

Tsalmantza, P., M. Kontizas, B. Rocca-Volmerange, C. A. L. Bailer-Jones, E. Kontizas, I. Bellas-Velidis, R. Korakitis, E. Livanou, A. Dapergolas, A. Vallenari and M. Fioc: Classification and parametrization of unresolved galaxies with Gaia. In: Classification and Discovery in Large Astronomical Surveys, (Ed.) Bailer-Jones, C. A. L. AIP Conference Proceedings **1082**, AIP, 111-118 (2008)

Walter, F.: Molecular gas in the early universe. In: Mapping the Galaxy and Nearby Galaxies, (Eds.) Wada, K., F. Combes. Astrophysics and Space Science Proceedings Springer Science+Business Media, 290-295 (2008)

Walter, F. and C. Carilli: First light – centimeter/millimeter observations. In: Frontiers of Astrophysics: A Celebration of NRAO's 50th Anniversary (Eds.) Bridle, A. H., J. J. Condon, G. C. Hunt. ASP Conf. Ser. **395**, ASP, 49-58 (2008)

Young, J. S., W. D. Cotton, W. Gässler, R. Millan-Gabet, J. D. Monnier, T. A. Pauls and I. Percheron: Recent developments in optical interferometry data standards. In: Optical and Infrared Interferometry, (Eds.) Schöller, M., W. C. Danchi, F. Delplancke. SPIE **7013**, SPIE, 70134H-70134H-9 (2008)

Zatloukal, M., H. J. Röser, C. Wolf, H. Hippelein and S. Falter: Distant Galaxy Clusters in the COSMOS Field Found by HIROCS. In: Panoramic Views of Galaxy Formation and Evolution, (Eds.) Kodama, T., T. Yamada, K. Aoki. ASP Conf. Ser. **399**, ASP, 125-126 (2008)

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Galaxien und Kosmologie / *Galaxies and Cosmology (2008)*

Invited papers and reviews:

Meisenheimer, K.: The assembly of present-day galaxies as witnessed by deep surveys. In:
Cosmic Matter, Reviews in Modern Astronomy, Vol. 20, (Ed.) Röser, S. Wiley-VCH,
Weinheim 2008, 279-306

Verantwortlich / *Responsible*: Axel M. Quetz
Letzte Änderung / *Last updated*: 18. März 2009

Galaxien und Kosmologie / *Galaxies and Cosmology (2008)*

Conference Proceedings & Books:

*Jahnke, K., E. Schinnerer, F. Bertoldi and G. Hasinger: Das Fenster zum COSMOS. Physik Journal **7**, 31-38 (2008)*

*Martínez-Sansigre, A.: Cuásares ocultos. Astronomía **105**, 26-33 (2008)*

*Meisenheimer, K., D. Raban, K. Tristram, M. Schartmann, W. Jaffe, H. Röttgering and L. Burtscher: Mid-infrared interferometry of Active Galactic Nuclei: an outstanding scientific success of the VLTI. The Messenger **133**, 36-41 (2008)*

*Rix, H.-W.: Perspektiven astronomischer Entdeckungen. Sterne und Weltraum **47**, 8, 32-40 (2008)*

*Schinnerer, E.: ALMAS tiefer Blick in kosmische Kreißsäle. Spektrum der Wissenschaft **12**, 28-35 (2008)*

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Letzte Änderung / *Last updated*: 18. März 2009

Galaxien und Kosmologie / *Galaxies and Cosmology (2008)*

Popular Papers:

*Meisenheimer, K., D. Raban, K. Tristram, M. Schartmann, W. Jaffe, H. Röttgering and L. Burtscher: Mid-infrared interferometry of Active Galactic Nuclei: an outstanding scientific success of the VLTI. The Messenger **133**, 36-41 (2008)*

*Rix, H.-W.: Perspektiven astronomischer Entdeckungen. Sterne und Weltraum **47,8**, 32-40 (2008)*

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