

Galaxien und Kosmologie / Galaxies and Cosmology (2009)

Refereed Papers

Abazajian, K. N., J. K. Adelman-McCarthy, M. A. Agüeros, S. S. Allam, C. Allende Prieto, D. An, K. S. J. Anderson, S. F. Anderson, J. Annis, N. A. Bahcall, C. A. L. Bailer-Jones, J. C. Barentine, B. A. Bassett, A. C. Becker, T. C. Beers, E. F. Bell, V. Belokurov, A. A. Berlind, E. F. Berman, M. Bernardi, S. J. Bickerton, D. Bizyaev, J. P. Blakeslee, M. R. Blanton, J. J. Bochanski, W. N. Boroski, H. J. Brwington, J. Brinchmann, J. Brinkmann, R. J. Brunner, T. Budavári, L. N. Carey, S. Carliles, M. A. Carr, F. J. Castander, D. Cinabro, A. J. Connolly, I. Csabai, C. E. Cunha, P. C. Czarapata, J. R. A. Davenport, E. de Haas, B. Dilday, M. Doi, D. J. Eisenstein, M. L. Evans, N. W. Evans, X. Fan, S. D. Friedman, J. A. Frieman, M. Fukugita, B. T. Gänsicke, E. Gates, B. Gillespie, G. Gilmore, B. Gonzalez, C. F. Gonzalez, E. K. Grebel, J. E. Gunn, Z. Györy, P. B. Hall, P. Harding, F. H. Harris, M. Harvanek, S. L. Hawley, J. J. E. Hayes, T. M. Heckman, J. S. Hendry, G. S. Hennessy, R. B. Hindsley, J. Hoblitt, C. J. Hogan, D. W. Hogg, J. A. Holtzman, J. B. Hyde, S.-i. Ichikawa, T. Ichikawa, M. Im, Z. Ivezić, S. Jester, L. Jiang, J. A. Johnson, A. M. Jorgensen, M. Juric, S. M. Kent, R. Kessler, S. J. Kleinman, G. R. Knapp, K. Konishi, R. G. Kron, J. Krzesinski, N. Kuropatkin, H. Lampeitl, S. Lebedeva, M. G. Lee, Y. S. Lee, R. F. Leger, S. Lépine, N. Li, M. Lima, H. Lin, D. C. Long, C. P. Loomis, J. Loveday, R. H. Lupton, E. Magnier, 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, F. Mullally, J. A. Munn, T. Murphy, T. Nash, A. Nebot, E. H. Neilsen, H. J. Newberg, P. R. Newman, R. C. Nichol, T. Nicinski, M. Nieto-Santisteban, A. Nitta, S. Okamura, D. J. Oravetz, J. P. Ostriker, R. Owen, N. Padmanabhan, K. Pan, C. Park, G. Pauls, J. Peoples, W. J. Percival, J. R. Pier, A. C. Pope, D. Pourbaix, P. A. Price, N. Purger, T. Quinn, M. J. Raddick, P. R. Fiorentin, G. T. Richards, M. W. Richmond, A. G. Riess, H.-W. Rix, C. M. Rockosi, M. Sako, D. J. Schlegel, D. P. Schneider, R.-D. Scholz, M. R. Schreiber, A. D. Schwope, U. Seljak, B. Sesar, E. Sheldon, K. Shimasaku, V. C. Sibley, A. E. Simmons, T. Sivarani, J. A. Smith, M. C. Smith, V. Smolcic, S. A. Snedden, A. Stebbins, M. Steinmetz, C. Stoughton, M. A. Strauss, M. Subba Rao, Y. Suto, A. S. Szalay, I. Szapudi, P. Szkody, M. Tanaka, M. Tegmark, L. F. A. Teodoro, 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, S. Watters, D. H. Weinberg, A. A. West, S. D. M. White, B. C. Wilhite, A. C. Wonders, B. Yanny, D. R. Yocum, D. G. York, I. Zehavi, S. Zibetti and D. B. Zucker: The Seventh Data Release of the Sloan Digital Sky Survey. The Astrophysical Journal Supplement Series **182**, 543-558 (2009)

Andreon, S., B. Maughan, G. Trinchieri and J. Kurk: JKCS 041: a colour-detected galaxy cluster at $z_{\text{phot}} \sim 1.9$ with deep potential well as confirmed by X-ray data. *Astronomy and Astrophysics* **507**, 147-157 (2009)

Bailer-Jones, C. A. L.: The evidence for and against astronomical impacts on climate change and mass extinctions: a review. *International Journal of Astrobiology* **8**, 213-219 (2009)

Barazza, F. D., C. Wolf, M. E. Gray, S. Jogee, M. Balogh, D. H. McIntosh, D. Bacon, M. Barden, E. F. Bell, A. Böhm, J. A. R. Caldwell, B. Häussler, A. Heiderman, C. Heymans, K. Jahnke, E. van Kampen, K. Lane, I. Marinova, K. Meisenheimer, C. Y. Peng, S. F. Sanchez, A. Taylor, L. Wisotzki and X. Zheng: Relating basic properties of bright early-type dwarf galaxies to their location in Abell 901/902. *Astronomy and Astrophysics* **508**, 665-675 (2009)

Boudreault, S. and C. A. L. Bailer-Jones: A constraint on brown dwarf formation via ejection: radial variation of the stellar and substellar mass function of the young open cluster IC 2391. *The Astrophysical Journal* **706**, 1484-1503 (2009)

Bovy, J., D. W. Hogg and H.-W. Rix: Galactic masers and the Milky Way circular velocity. *The Astrophysical Journal* **704**, 1704-1709 (2009)

Bovy, J., D. W. Hogg and S. T. Roweis: The velocity distribution of nearby stars from Hipparcos Data. I. The significance of the moving groups. *The Astrophysical Journal* **700**, 1794-1819 (2009)

Burtscher, L., W. Jaffe, D. Raban, K. Meisenheimer, K. R. W. Tristram and H. Röttgering: Dust emission from a parsec-scale structure in the Seyfert 1 nucleus of NGC 4151. *The Astrophysical Journal* **705**, L53-L57 (2009)

Cacciato, M., F. C. van den Bosch, S. More, R. Li, H. J. Mo and X. Yang: Galaxy clustering and galaxy-galaxy lensing: a promising union to constrain cosmological parameters. *Monthly Notices of the Royal Astronomical Society* **394**, 929-946 (2009)

Campisi, M. A., G. De Lucia, L. X. Li, S. Mao and X. Kang: Properties of long gamma-ray burst host galaxies in cosmological simulations. *Monthly Notices of the Royal Astronomical Society* **400**, 1613-1624 (2009)

Cappellari, M., S. D. Alighieri, A. Cimatti, E. Daddi, A. Renzini, J. D. Kurk, P. Cassata, M. Dickinson, A. Franceschini, M. Mignoli, L. Pozzetti, G. Rodighiero, P. Rosati and G. Zamorani: Dynamical masses of early-type galaxies at $z \sim 2$: are they truly superdense? *The Astrophysical Journal Letters* **704**, L34-L39 (2009)

Cappellari, M., N. Neumayer, J. Reunanen, P. P. van der Werf, P. T. de Zeeuw and H. W. Rix: The mass of the black hole in Centaurus A from SINFONI AO-assisted integral-field observations of stellar kinematics. *Monthly Notices of the Royal Astronomical Society* **394**, 660-674 (2009)

Casarini, L., A. V. Macciò and S. A. Bonometto: High accuracy power spectra at high redshift in dynamical dark energy simulations. *Nuclear Physics B Proceedings Supplements* **194**, 185-189 (2009)

Casarini, L., A. V. Macciò and S. A. Bonometto: Dynamical dark energy simulations: high accuracy power spectra at high redshift. *Journal of Cosmology and Astroparticle Physics* **03**, 014 (2009 online)

Cimatti, A., M. Robberto, C. Baugh, S. V. W. Beckwith, R. Content, E. Daddi, G. De Lucia, B. Garilli, L. Guzzo, G. Kauffmann, M. Lehnert, D. Maccagni, A. Martinez-Sansigre, F. Pasian, I. N. Reid, P. Rosati, R. Salvaterra, M. Stiavelli, Y. Wang, M. Z. Osorio, M. Balcells, M. Bersanelli, F. Bertoldi, J. Blaizot, D. Bottini, R. Bower, A. Bulgarelli, A. Burgasser, C. Burigana, R. C. Butler, S. Casertano, B. Ciardi, M. Cirasuolo, M. Clampin, S. Cole, A. Comastri, S. Cristiani, J. G. Cuby, F. Cuttaia, A. de Rosa, A. D. Sanchez, M. di Capua, J. Dunlop, X. Fan, A. Ferrara, F. Finelli, A. Franceschini, M. Franx, P. Franzetti, C. Frenk, J. P. Gardner, F. Gianotti, R. Grange, C. Gruppioni, A. Gruppuso, F. Hammer, L. Hillenbrand, A. Jacobsen, M. Jarvis, R. Kennicutt, R. Kimble, M. Kriek, J. Kurk, J. P. Kneib, O. Le Fevre, D. Macchetto, J. MacKenty, P. Madau, M. Magliocchetti, D. Maino, N. Mandolesi, N. Masetti, R. McLure, A. Mennella, M. Meyer, M. Mignoli, B. Mobasher, E. Molinari, G. Morgante, S. Morris, L. Nicastro, E. Oliva, P. Padovani, E. Palazzi, F. Paresce, A. Perez Garrido, E. Pian, L. Popa, M. Postman, L. Pozzetti, J. Rayner, R. Rebolo, A. Renzini, H. Röttgering, E. Schinnerer, M. Scodeggio, M. Saisse, T. Shanks, A. Shapley, R. Sharples, H. Shea, J. Silk, I. Smail, P. Spanó, J. Steinacker, L. Stringhetti, A. Szalay, L. Tresse, M. Trifoglio, M. Urry, L. Valenziano, F. Villa, I. Villo Perez, F. Walter, M. Ward, R. White, S. White, E. Wright, R. Wyse, G. Zamorani, A. Zacchei, W. W. Zeilinger and F. Zerbi: SPACE: the spectroscopic all-sky cosmic explorer. *Experimental Astronomy* **23**, 39-66 (2009)

Cockell, C. S., T. Herbst, A. Léger, O. Absil, C. Beichman, W. Benz, A. Brack, B. Chazelas, A. Chelli, H. Cottin, V. Coudé Du Foresto, W. Danchi, D. Defrère, J.-W. den Herder, C. Eiroa, M. Fridlund, T. Henning, K. Johnston, L. Kaltenecker, L. Labadie, H. Lammer, R. Launhardt, P. Lawson, O. P. Lay, R. Liseau, S. R. Martin, D. Mawet, D. Mourard, C. Moutou, L. Mugnier, F. Paresce, A. Quirrenbach, Y. Rabbia, H. J. A. Rottgering, D. Rouan, N. Santos, F. Selsis, E. Serabyn, F. Westall, G. White, M. Ollivier and P. Bordé: Darwin – an experimental astronomy mission to search for extrasolar planets. *Experimental Astronomy* **23**, 435-461 (2009)

Cockell, C. S., A. Léger, M. Fridlund, T. M. Herbst, L. Kaltenecker, O. Absil, C. Beichman, W. Benz, M. Blanc, A. Brack, A. Chelli, L. Colangeli, H. Cottin, F. Coudé du Foresto, W. C. Danchi, D. Defrère, J. W. den Herder, C. Eiroa, J. Greaves, T. Henning, K. J. Johnston, H. Jones, L. Labadie, H. Lammer, R. Launhardt, P. Lawson, O. P. Lay, J. M. LeDuigou, R. Liseau, F. Malbet, S. R. Martin, D. Mawet, D. Mourard, C. Moutou, L. M. Mugnier, M. Ollivier, F. Paresce, A. Quirrenbach, Y. D. Rabbia, J. A. Raven, H. J. A. Rottgering, D. Rouan, N. C. Santos, F. Selsis, E. Serabyn, H. Shibai, M. Tamura, E. Thiébaud, F. Westall and G. J. White: Darwin-a mission to detect and search for life on extrasolar planets. *Astrobiology* **9**, 1-22 (2009)

Collins, M. L. M., S. C. Chapman, M. Irwin, R. Ibata, N. F. Martin, A. M. N. Ferguson, A. Huxor, G. F. Lewis, A. D. Mackey, A. W. McConnachie and N. Tanvir: A spectroscopic survey of EC4, an extended cluster in Andromeda's halo. *Monthly Notices of the Royal Astronomical Society* **396**, 1619-1628 (2009)

Combes, F., A. J. Baker, E. Schinnerer, S. García-Burillo, L. K. Hunt, F. Boone, A. Eckart, R. Neri and L. J. Tacconi: Molecular gas in Nuclei of GALaxies (NUGA). XII. The head-on collision in NGC 1961. *Astronomy and Astrophysics* **503**, 73-86 (2009)

- Cooper, M. C., A. Gallazzi, J. A. Newman and R. Yan: Galaxy assembly bias on the red sequence. *Monthly Notices of the Royal Astronomical Society* 1868 (2009)
- Coppin, K. E. K., I. Smail, D. M. Alexander, A. Weiss, F. Walter, A. M. Swinbank, T. R. Greve, A. Kovacs, C. De Breuck, M. Dickinson, E. Ibar, R. J. Ivison, N. Reddy, H. Spinrad, D. Stern, W. N. Brandt, S. C. Chapman, H. Dannerbauer, P. van Dokkum, J. S. Dunlop, D. Frayer, E. Gawiser, J. E. Geach, M. Huynh, K. K. Knudsen, A. M. Koekemoer, B. D. Lehmer, K. M. Menten, C. Papovich, H. W. Rix, E. Schinnerer, J. L. Wardlow and P. P. van der Werf: A submillimetre galaxy at $z = 4.76$ in the LABOCA survey of the Extended Chandra Deep Field-South. *Monthly Notices of the Royal Astronomical Society* **395**, 1905-1914 (2009)
- Cresci, G., E. K. S. Hicks, R. Genzel, N. M. Förster Schreiber, R. Davies, N. Bouché, P. Buschkamp, S. Genel, K. Shapiro, L. Tacconi, J. Sommer-Larsen, A. Burkert, F. Eisenhauer, O. Gerhard, D. Lutz, T. Naab, A. Sternberg, A. Cimatti, E. Daddi, D. K. Erb, J. Kurk, S. L. Lilly, A. Renzini, A. Shapley, C. C. Steidel and K. Caputi: The SINS Survey: Modeling the dynamics of $z \sim 2$ galaxies and the high- z Tully-Fisher relation. *The Astrophysical Journal* **697**, 115-132 (2009)
- Daddi, E., H. Dannerbauer, M. Krips, F. Walter, M. Dickinson, D. Elbaz and G. E. Morrison: A CO emission line from the optical and near-IR undetected submillimeter galaxy GN10. *The Astrophysical Journal* **695**, L176-L180 (2009)
- Dalcanton, J. J.: 18 years of science with the Hubble Space Telescope. *Nature* **457**, 41-50 (2009)
- Dale, D. A., S. A. Cohen, L. C. Johnson, M. D. Schuster, D. Calzetti, C. W. Engelbracht, A. Gil de Paz, R. C. Kennicutt, J. C. Lee, A. Begum, M. Block, J. J. Dalcanton, J. G. Funes, K. D. Gordon, B. D. Johnson, A. R. Marble, S. Sakai, E. D. Skillman, L. van Zee, F. Walter, D. R. Weisz, B. Williams, S. Y. Wu and Y. Wu: The Spitzer Local Volume Legacy: survey description and infrared photometry. *The Astrophysical Journal* **703**, 517-556 (2009)
- Dannerbauer, H., E. Daddi, D. A. Riechers, F. Walter, C. L. Carilli, M. Dickinson, D. Elbaz and G. E. Morrison: Low Milky-Way-like molecular gas excitation of massive disk galaxies at $z \sim 1.5$. *The Astrophysical Journal* **698**, L178-L182 (2009)
- Dicken, D., C. Tadhunter, D. Axon, R. Morganti, K. J. Inskip, J. Holt, R. González Delgado and B. Groves: The origin of the infrared emission in radio galaxies. II. Analysis of mid- to far-infrared Spitzer observations of the 2Jy sample. *The Astrophysical Journal* **694**, 268-285 (2009)
- Dong, X.-B., T.-G. Wang, J.-G. Wang, X. Fan, H. Wang, H. Zhou and W. Yuan: Eddington ratio governs the equivalent width of Mg II emission line in active galactic nuclei. *The Astrophysical Journal* **703**, L1-L5 (2009)
- Dutton, A. A. and F. C. van den Bosch: The impact of feedback on disc galaxy scaling relations. *Monthly Notices of the Royal Astronomical Society* **396**, 141-164 (2009)
- Elbaz, D., K. Jahnke, E. Pantin, D. Le Borgne and G. Letawe: Quasar induced galaxy formation: a new paradigm? *Astronomy and Astrophysics* **507**, 1359-1374 (2009)
- Elvis, M., F. Civano, C. Vignali, S. Puccetti, F. Fiore, N. Cappelluti, T. L. Aldcroft, A. Fruscione, G. Zamorani, A. Comastri, M. Brusa, R. Gilli, T. Miyaji, F. Damiani, A. M. Koekemoer, A. Finoguenov, H. Brunner, C. M. Urry, J. Silverman, V. Mainieri, G. Hasinger, R. Griffiths, M. Carollo, H. Hao, L. Guzzo, A. Blain, D. Calzetti, C. Carilli, P. Capak, S. Ettori, G. Fabbiano, C. Impey, S. Lilly, B. Mobasher, M. Rich, M. Salvato, D. B. Sanders, E. Schinnerer, N. Scoville, P. Shopbell, J. E. Taylor, Y. Taniguchi and M. Volonteri: The Chandra COSMOS Survey. I. Overview and point source catalog. *The Astrophysical Journal Supplement Series* **184**, 158-171 (2009)
- Ernst, A., A. Just and R. Spurzem: On the dissolution of star clusters in the Galactic Centre – I. Circular orbits. *Monthly Notices of the Royal Astronomical Society* **399**, 141-156 (2009)
- Federrath, C., R. S. Klessen and W. Schmidt: The fractal density structure in supersonic isothermal turbulence: solenoidal versus compressive energy injection. *The Astrophysical Journal* **692**, 364-374 (2009)
- Fendt, C.: Formation of protostellar jets as two-component outflows from star-disk magnetospheres. *The Astrophysical Journal* **692**, 346-363 (2009)
- Ferreras, I., T. Lisker, A. Pasquali and S. Kaviraj: Exploring the formation of spheroidal galaxies out to $z \sim 1.5$ in GOODS. *Monthly Notices of the Royal Astronomical Society* **395**,

554-566 (2009)

Ferreras, I., T. Lisker, A. Pasquali, S. Khochfar and S. Kaviraj: On the formation of massive galaxies: a simultaneous study of number density, size and intrinsic colour evolution in GOODS. *Monthly Notices of the Royal Astronomical Society* **396**, 1573-1578 (2009)

Ferreras, I., A. Pasquali, S. Malhotra, J. Rhoads, S. Cohen, R. Windhorst, N. Pirzkal, N. Grogan, A. M. Koekemoer, T. Lisker, N. Panagia, E. Daddi and N. P. Hathi: Early-type galaxies in the PEARS Survey: Probing the stellar populations at moderate redshift. *The Astrophysical Journal* **706**, 158-169 (2009)

Fiore, F., S. Puccetti, M. Brusa, M. Salvato, G. Zamorani, T. Aldcroft, H. Aussel, H. Brunner, P. Capak, N. Cappelluti, F. Civano, A. Comastri, M. Elvis, C. Feruglio, A. Finoguenov, A. Fruscione, R. Gilli, G. Hasinger, A. Koekemoer, J. Kartaltepe, O. Ilbert, C. Impey, E. LeFloc'h, S. Lilly, V. Mainieri, A. Martinez-Sansigre, H. J. McCracken, N. Menci, A. Merloni, T. Miyaji, D. B. Sanders, M. Sargent, E. Schinnerer, N. Scoville, J. Silverman, V. Smolcic, A. Steffen, P. Santini, Y. Taniguchi, D. Thompson, J. R. Trump, C. Vignali, M. Urry and L. Yan: Chasing highly obscured QSOs in the COSMOS field. *The Astrophysical Journal* **693**, 447-462 (2009)

Fontanot, F., G. De Lucia, P. Monaco, R. S. Somerville and P. Santini: The many manifestations of downsizing: hierarchical galaxy formation models confront observations. *Monthly Notices of the Royal Astronomical Society* **397**, 1776-1790 (2009)

Fontanot, F., R. S. Somerville, L. Silva, P. Monaco and R. Skibba: Evaluating and improving semi-analytic modelling of dust in galaxies based on radiative transfer calculations. *Monthly Notices of the Royal Astronomical Society* **392**, 553-569 (2009)

Förster Schreiber, N. M., R. Genzel, N. Bouché, G. Cresci, R. Davies, P. Buschkamp, K. Shapiro, L. J. Tacconi, E. K. S. Hicks, S. Genel, A. E. Shapley, D. K. Erb, C. C. Steidel, D. Lutz, F. Eisenhauer, S. Gillessen, A. Sternberg, A. Renzini, A. Cimatti, E. Daddi, J. Kurk, S. Lilly, X. Kong, M. D. Lehnert, N. Nesvadba, A. Verma, H. Mc Cracken, N. Arimoto, M. Mignoli and M. Onodera: The SINS Survey: SINFONI integral field spectroscopy of $z \sim 2$ star-forming galaxies. *The Astrophysical Journal* **706**, 1364-1428 (2009)

Frayer, D. T., D. B. Sanders, J. A. Surace, H. Aussel, M. Salvato, E. Le Floc'h, M. T. Huynh, N. Z. Scoville, A. Afonso-Luis, B. Bhattacharya, P. Capak, D. Fadda, H. Fu, G. Helou, O. Ilbert, J. S. Kartaltepe, A. M. Koekemoer, N. Lee, E. Murphy, M. T. Sargent, E. Schinnerer, K. Sheth, P. L. Shopbell, D. L. Shupe and L. Yan: Spitzer 70 and 160 mm observations of the COSMOS field. *The Astronomical Journal* **138**, 1261-1270 (2009)

Fuchs, B., C. Dettbarn, H.-W. Rix, T. C. Beers, D. Bizyaev, H. Brewington, H. JahreiB, R. Klement, E. Malanushenko, V. Malanushenko, D. Oravetz, K. Pan, A. Simmons and S. Snedden: The kinematics of late-type stars in the solar cylinder studied with SDSS data. *The Astronomical Journal* **137**, 4149-4159 (2009)

Gabor, J. M., C. D. Impey, K. Jahnke, B. D. Simmons, J. R. Trump, A. M. Koekemoer, M. Brusa, N. Cappelluti, E. Schinnerer, V. Smolcic, M. Salvato, J. D. Rhodes, B. Mobasher, P. Capak, R. Massey, A. Leauthaud and N. Scoville: Active galactic nucleus host galaxy morphologies in COSMOS. *The Astrophysical Journal* **691**, 705-722 (2009)

Gallazzi, A. and E. F. Bell: Stellar mass-to-light ratios from galaxy spectra: how accurate can they be? *The Astrophysical Journal Supplement Series* **185**, 253-272 (2009)

Gallazzi, A., E. F. Bell, C. Wolf, M. E. Gray, C. Papovich, M. Barden, C. Y. Peng, K. Meisenheimer, C. Heymans, E. van Kampen, R. Gilmour, M. Balogh, D. H. McIntosh, D. Bacon, F. D. Barazza, A. Böhm, J. A. R. Caldwell, B. Häußler, K. Jahnke, S. Jogee, K. Lane, A. R. Robaina, S. F. Sanchez, A. Taylor, L. Wisotzki and X. Zheng: Obscured star formation in intermediate-density environments: a Spitzer study of the Abell 901/902 supercluster. *The Astrophysical Journal* **690**, 1883-1900 (2009)

García-Burillo, S., S. Fernández-García, F. Combes, L. K. Hunt, S. Haan, E. Schinnerer, F. Boone, M. Krips and I. Márquez: Molecular gas in NUClei of GALaxies (NUGA). XI. A complete gravity torque map of NGC 4579: new clues to bar evolution. *Astronomy and Astrophysics* **496**, 85-105 (2009)

Gonidakis, I., E. Livanou, E. Kontizas, U. Klein, M. Kontizas, M. Belcheva, P. Tsalmantza and A. Karamelas: Structure of the SMC. Stellar component distribution from 2MASS data. *Astronomy and Astrophysics* **496**, 375-380 (2009)

Graham, J. F., A. S. Fruchter, A. J. Levan, A. Melandri, L. J. Kewley, E. M. Levesque, M. Nysewander, N. R. Tanvir, T. Dahlen, D. Bersier, K. Wiersema, D. G. Bonfield and A.

Martinez-Sansigre: GRB 070714B – Discovery of the highest spectroscopically confirmed short burst redshift. *The Astrophysical Journal* **698**, 1620-1629 (2009)

Gray, M. E., C. Wolf, M. Barden, C. Y. Peng, B. Häußler, E. F. Bell, D. H. McIntosh, Y. Guo, J. A. R. Caldwell, D. Bacon, M. Balogh, F. D. Barazza, A. Böhm, C. Heymans, K. Jahnke, S. Joglee, E. van Kampen, K. Lane, K. Meisenheimer, S. F. Sánchez, A. Taylor, L. Wisotzki, X. Zheng, D. A. Green, R. J. Beswick, D. J. Saikia, R. Gilmour, B. D. Johnson and C. Papovich: STAGES: the Space Telescope A901/2 Galaxy Evolution Survey. *Monthly Notices of the Royal Astronomical Society* **393**, 1275-1301 (2009)

Grazian, A., N. Menci, E. Giallongo, S. Gallozzi, F. Fontanot, A. Fontana, V. Testa, R. Ragazzoni, A. Baruffolo, G. Beccari, E. Diolaiti, A. di Paola, J. Farinato, F. Gasparo, G. Gentile, R. Green, J. Hill, O. Kuhn, F. Pasian, F. Pedichini, M. Radovich, R. Smareglia, R. Speziali, D. Thompson and R. M. Wagner: Wide and deep near-UV (360 nm) galaxy counts and the extragalactic background light with the Large Binocular Camera. *Astronomy and Astrophysics* **505**, 1041-1048 (2009)

Greve, T. R., P. P. Papadopoulos, Y. Gao and S. J. E. Radford: Molecular gas in extreme star-forming environments: the starbursts Arp 220 and NGC 6240 as case studies. *The Astrophysical Journal* **692**, 1432-1446 (2009)

Grove, L. F., J. P. U. Fynbo, C. Ledoux, M. Limousin, P. Møller, K. K. Nilsson and B. Thomsen: The building the bridge survey for $z = 3$ Ly α emitting galaxies. II. Completion of the survey. *Astronomy and Astrophysics* **497**, 689-702 (2009)

Guo, Y., D. H. McIntosh, H. J. Mo, N. Katz, F. C. van den Bosch, M. Weinberg, S. M. Weinmann, A. Pasquali and X. Yang: Structural properties of central galaxies in groups and clusters. *Monthly Notices of the Royal Astronomical Society* **1107** (2009)

Haan, S., E. Schinnerer, E. Emsellem, S. Garcia-Burillo, F. Combes, C. G. Mundell and H.-W. Rix: Dynamical evolution of AGN host galaxies – gas in/out-flow rates in seven NUGA galaxies. *The Astrophysical Journal* **692**, 1623-1661 (2009)

Hatch, N. A., R. A. Overzier, J. D. Kurk, G. K. Miley, H. J. A. Röttgering and A. W. Zirm: The growth and assembly of a massive galaxy at $z \sim 2$. *Monthly Notices of the Royal Astronomical Society* **395**, 114-125 (2009)

Hathi, N. P., I. Ferreras, A. Pasquali, S. Malhotra, J. E. Rhoads, N. Pirzkal, R. A. Windhorst and C. Xu: Stellar populations of late-type bulges at $z \sim 1$ in the Hubble Ultra Deep Field. *The Astrophysical Journal* **690**, 1866-1882 (2009)

Heiderman, A., S. Joglee, I. Marinova, E. van Kampen, M. Barden, C. Y. Peng, C. Heymans, M. E. Gray, E. F. Bell, D. Bacon, M. Balogh, F. D. Barazza, A. Böhm, J. A. R. Caldwell, B. Häußler, K. Jahnke, K. Lane, D. H. Mc Intosh, K. Meisenheimer, S. F. Sánchez, R. S. Somerville, A. Taylor, L. Wisotzki, C. Wolf and X. Zheng: Interacting galaxies in the A901/902 supercluster with stages. *The Astrophysical Journal* **705**, 1433-1455 (2009)

Hennemann, M., S. M. Birkmann, O. Krause, D. Lemke, Y. Pavlyuchenkov, S. More and T. Henning: Star-forming cores embedded in a massive cold clump: fragmentation, collapse, and energetic outflows. *The Astrophysical Journal* **693**, 1379-1391 (2009)

Jahnke, K., A. Bongiorno, M. Brusa, P. Capak, N. Cappelluti, M. Cisternas, F. Civano, J. Colbert, A. Comastri, M. Elvis, G. Hasinger, O. Ilbert, C. Impey, K. Inskip, A. M. Koekemoer, S. Lilly, C. Maier, A. Merloni, D. Riechers, M. Salvato, E. Schinnerer, N. Z. Scoville, J. Silverman, Y. Taniguchi, J. R. Trump and L. Yan: Massive galaxies in COSMOS: evolution of black hole versus bulge mass but not versus total stellar mass over the last 9 Gyr? *The Astrophysical Journal* **706**, L215-L220 (2009)

Jahnke, K., D. Elbaz, E. Pantin, A. Böhm, L. Wisotzki, G. Letawe, V. Chantry and P.-O. Lagage: The QSO HE 0450-2958: scantily dressed or heavily robed? A normal quasar as part of an unusual ULIRG. *The Astrophysical Journal* **700**, 1820-1830 (2009)

Jester, S.: Erratum: Retardation magnification and the appearance of relativistic jets. *Monthly Notices of the Royal Astronomical Society* **397**, 1711-1712 (2009)

Jester, S. and H. Falcke: Science with a lunar low-frequency array: From the Dark Ages of the Universe to nearby exoplanets. *New Astronomy Review* **53**, 1-26 (2009)

Jiang, L., X. Fan, F. Bian, J. Annis, K. Chiu, S. Jester, H. Lin, R. H. Lupton, G. T. Richards, M. A. Strauss, V. Malanushenko, E. Malanushenko and D. P. Schneider: A survey of $z \sim 6$ quasars in the Sloan Digital Sky Survey deep stripe. II. Discovery of six quasars at $z_{AB} > 21$. *The Astronomical Journal* **138**, 305-311 (2009)

- Jin, S. and N. F. Martin*: Inferring the dynamics of stellar streams via distance gradients. *Monthly Notices of the Royal Astronomical Society* **400**, L43-L46 (2009)
- Jogee, S., S. H. Miller, K. Penner, R. E. Skelton, C. J. Conselice, R. S. Somerville, E. F. Bell, X. Z. Zheng, H.-W. Rix, A. R. Robaina, F. D. Barazza, M. Barden, A. Borch, S. V. W. Beckwith, J. A. R. Caldwell, C. Y. Peng, C. Heymans, D. H. McIntosh, B. Häußler, K. Jahnke, K. Meisenheimer, S. F. Sanchez, L. Wisotzki, C. Wolf and C. Papovich*: History of galaxy interactions and their impact on star formation over the last 7 Gyr from GEMS. *The Astrophysical Journal* **697**, 1971-1992 (2009)
- Just, A., P. Berczik, M. I. Petrov and A. Ernst*: Quantitative analysis of clumps in the tidal tails of star clusters. *Monthly Notices of the Royal Astronomical Society* **392**, 969-981 (2009)
- Kalirai, J. S., D. B. Zucker, P. Guhathakurta, M. Geha, A. Y. Kniazev, D. Martínez-Delgado, E. F. Bell, E. K. Grebel and K. M. Gilbert*: The SPLASH Survey: A spectroscopic analysis of the metal-poor, low-luminosity M31 dSph Satellite Andromeda X. *The Astrophysical Journal* **705**, 1043-1055 (2009)
- Kimm, T., R. S. Somerville, S. K. Yi, F. C. van den Bosch, S. Salim, F. Fontanot, P. Monaco, H. Mo, A. Pasquali, R. M. Rich and X. Yang*: The correlation of star formation quenching with internal galaxy properties and environment. *Monthly Notices of the Royal Astronomical Society* **394**, 1131-1147 (2009)
- Kitsionas, S., C. Federrath, R. S. Klessen, W. Schmidt, D. J. Price, L. J. Dursi, M. Gritschneider, S. Walch, R. Piontek, J. Kim, A. K. Jappsen, P. Cieliegielag and M. M. Mac Low*: Algorithmic comparisons of decaying, isothermal, supersonic turbulence. *Astronomy and Astrophysics* **508**, 541-560 (2009)
- Klement, R., H. W. Rix, C. Flynn, B. Fuchs, T. C. Beers, C. Allende Prieto, D. Bizyaev, H. Brewington, Y. S. Lee, E. Malanushenko, V. Malanushenko, D. Oravetz, K. Pan, P. Re Fiorentin, A. Simmons and S. Snedden*: Halo streams in the Seventh Sloan Digital Sky Survey data release. *The Astrophysical Journal* **698**, 865-894 (2009)
- Klöckner, H. R., A. Martínez-Sansigre, S. Rawlings and M. A. Garrett*: High-redshift obscured quasars: radio emission at sub-kiloparsec scales. *Monthly Notices of the Royal Astronomical Society* **398**, 176-188 (2009)
- Koposov, S. E., J. Yoo, H.-W. Rix, D. H. Weinberg, A. V. Macciò and J. M. Escudé*: A quantitative explanation of the observed population of Milky Way satellite galaxies. *The Astrophysical Journal* **696**, 2179-2194 (2009)
- Kümmel, M., J. R. Walsh, N. Pirzkal, H. Kuntschner and A. Pasquali*: The slitless spectroscopy data extraction software. *Publications of the Astronomical Society of the Pacific* **121**, 59-72 (2009)
- 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*: GMSS ultradeep spectroscopy of galaxies at $z \sim 2$. V. Witnessing the assembly at $z = 1.6$ of a galaxy cluster. *Astronomy and Astrophysics* **504**, 331-346 (2009)
- Kurk, J. D., F. Walter, X. Fan, L. Jiang, S. Jester, H. W. Rix and D. A. Riechers*: Near-infrared spectroscopy of SDSS J0303 - 0019: a low-luminosity, High-Eddington-Ratio quasar at $z \sim 6$. *The Astrophysical Journal* **702**, 833-837 (2009)
- La Massa, S. M., T. M. Heckman, A. Ptak, A. Hornschemeier, L. Martins, P. Sonnentrucker and C. Tremonti*: XMM-Newton observations of a complete sample of optically selected type 2 Seyfert galaxies. *The Astrophysical Journal* **705**, 568-586 (2009)
- Labadie, L. and O. Wallner*: Mid-infrared guided optics: a perspective for astronomical instruments. *Optics Express* **17**, 1947-1962 (2009)
- Lang, D., D. W. Hogg, S. Jester and H.-W. Rix*: Measuring the undetectable: proper motions and parallaxes of very faint sources. *The Astronomical Journal* **137**, 4400-4411 (2009)
- Lee, J. C., A. Gil de Paz, C. Tremonti, R. C. Kennicutt, S. Salim, M. Bothwell, D. Calzetti, J. Dalcanton, D. Dale, C. Engelbracht, S. J. G. Funes, B. Johnson, S. Sakai, E. Skillman, L. van Zee, F. Walter and D. Weisz*: Comparison of Ha and UV star formation rates in the local volume: systematic discrepancies for dwarf galaxies. *The Astrophysical Journal* **706**, 599-613 (2009)

Leroy, A. K., A. Bolatto, C. Bot, C. W. Engelbracht, K. Gordon, F. P. Israel, M. Rubio, K. Sandstrom and S. Stanimirovic: The structure of a low-metallicity giant molecular cloud complex. *The Astrophysical Journal* **702**, 352-367 (2009)

Leroy, A. K., F. Walter, F. Bigiel, A. Usero, A. Weiss, E. Brinks, W. J. G. de Blok, R. C. Kennicutt, K.-F. Schuster, C. Kramer, H. W. Wiesemeyer and H. Roussel: Heracles: the HERA CO Line Extragalactic Survey. *The Astronomical Journal* **137**, 4670-4696 (2009)

Letarte, B., S. C. Chapman, M. Collins, R. A. Ibata, M. J. Irwin, A. M. N. Ferguson, G. F. Lewis, N. Martin, A. McConnachie and N. Tanvir: A Keck/DEIMOS spectroscopic survey of the faint M31 satellites AndXV and AndXVI. *Monthly Notices of the Royal Astronomical Society* **400**, 1472-1478 (2009)

Li, R., H. J. Mo, Z. Fan, M. Cacciato, F. C. van den Bosch, X. Yang and S. More: Modelling galaxy-galaxy weak lensing with Sloan Digital Sky Survey groups. *Monthly Notices of the Royal Astronomical Society* **394**, 1016-1030 (2009)

Lipari, S., M. Bergmann, S. F. Sanchez, B. Garcia-Lorenzo, R. Terlevich, E. Mediavilla, Y. Taniguchi, W. Zheng, B. Punjly, A. Ahumada and D. Merlo: Gemini 3D spectroscopy of BAL+IR+FeII QSOs – II. IRAS 04505-2958, an explosive QSO with hypershells and a new scenario for galaxy formation and galaxy end phase. *Monthly Notices of the Royal Astronomical Society* **398**, 658-700 (2009)

Lo Faro, B., P. Monaco, E. Vanzella, F. Fontanot, L. Silva and S. Cristiani: Faint Lyman-break galaxies as a crucial test for galaxy formation models. *Monthly Notices of the Royal Astronomical Society* **399**, 827-841 (2009)

Macciò, A. V., X. Kang and B. Moore: Central mass and luminosity of milky way satellites in the L cold dark matter model. *The Astrophysical Journal* **692**, L109-L112 (2009)

Mackey, A. D., A. M. N. Ferguson, M. J. Irwin, N. F. Martin, A. P. Huxor, N. R. Tanvir, S. C. Chapman, R. A. Ibata, G. F. Lewis and A. W. McConnachie: Deep Gemini/GMOS imaging of an extremely isolated globular cluster in the Local Group. *Monthly Notices of the Royal Astronomical Society* 533-546 (2009)

Maier, C., S. J. Lilly, G. Zamorani, M. Scodreggio, F. Lamareille, T. Contini, M. T. Sargent, C. Scarlata, P. Oesch, C. M. Carollo, O. LeFèvre, A. Renzini, J. P. Kneib, V. Mainieri, S. Bardelli, M. Bolzonella, A. Bongiorno, K. Caputi, G. Coppa, O. Cucciati, S. de la Torre, L. de Ravel, P. Franzetti, B. Garilli, A. Iovino, P. Kampczyk, C. Knobel, K. Kovac, J. F. LeBorgne, V. LeBrun, M. Mignoli, R. Pello, Y. Peng, E. P. Montero, E. Ricciardelli, J. D. Silverman, M. Tanaka, L. Tasca, L. Tresse, D. Vergani, E. Zucca, U. Abbas, D. Bottini, A. Cappi, P. Cassata, A. Cimatti, M. Fumana, L. Guzzo, C. Halliday, A. M. Koekemoer, A. Leauthaud, D. Maccagni, C. Marinoni, H. J. McCracken, P. Memeo, B. Meneux, C. Porciani, L. Pozzetti and R. Scaramella: The dependence of star formation activity on stellar mass surface density and Sersic index in zCOSMOS galaxies at $0.5 < z < 0.9$ compared with SDSS galaxies at $0.04 < z < 0.08$. *The Astrophysical Journal* **694**, 1099-1114 (2009)

Maltby, D. T., A. Aragón-Salamanca, M. E. Gray, M. Barden, B. Häußler, C. Wolf, C. Y. Peng, K. Jahnke, D. H. McIntosh, A. Böhm and V. E. Kampen: The environmental dependence of the stellar-mass-size relation in STAGES galaxies. *Monthly Notices of the Royal Astronomical Society* (2009 online)

Marinova, I., S. Jogee, A. Heiderman, F. D. Barazza, M. E. Gray, M. Barden, C. Wolf, C. Y. Peng, D. Bacon, M. Balogh, E. F. Bell, A. Böhm, J. A. R. Caldwell, B. Häußler, C. Heymans, K. Jahnke, E. van Kampen, K. Lane, D. H. McIntosh, K. Meisenheimer, S. F. Sánchez, R. Somerville, A. Taylor, L. Wisotzki and X. Zheng: Barred galaxies in the Abell 901/2 supercluster with stages. *The Astrophysical Journal* **698**, 1639-1658 (2009)

Martin, N. F., A. W. McConnachie, M. Irwin, L. M. Widrow, A. M. N. Ferguson, R. A. Ibata, J. Dubinski, A. Babul, S. Chapman, M. Fardal, G. F. Lewis, J. Navarro and R. M. Rich: PAndAS' CUBS: discovery of two new dwarf galaxies in the surroundings of the Andromeda and Triangulum galaxies. *The Astrophysical Journal* **705**, 758-765 (2009)

Martinez-Delgado, D., M. Pohlen, R. J. Gabany, S. R. Majewski, J. Peñarrubia and C. Palma: Discovery of a giant stellar tidal stream around the disk galaxy NGC 4013. *The Astrophysical Journal* **692**, 955-963 (2009)

Martinez-Sansigre, A., A. Karim, E. Schinnerer, A. Omont, D. J. B. Smith, J. Wu, G. J. Hill, H.-R. Klöckner, M. Lacy, S. Rawlings and C. J. Willott: Millimeter observations of a sample of high-redshift obscured quasars. *The Astrophysical Journal* **706**, 184-202 (2009)

Martinez-Sansigre, A. and A. M. Taylor: The cosmological consequence of an obscured Agn

population on the radiation efficiency. *The Astrophysical Journal* **692**, 964-972 (2009)

McConnachie, A. W., M. J. Irwin, R. A. Ibata, J. Dubinski, L. M. Widrow, N. F. Martin, P. Côté, A. L. Dotter, J. F. Navarro, A. M. N. Ferguson, T. H. Puzia, G. F. Lewis, A. Babul, P. Barmby, O. Bienaymé, S. C. Chapman, R. Cockcroft, M. L. M. Collins, M. A. Fardal, W. E. Harris, A. Huxor, A. D. Mackey, J. Peñarrubia, R. M. Rich, H. B. Richer, A. Siebert, N. Tanvir, D. Valls-Gabaud and K. A. Venn: The remnants of galaxy formation from a panoramic survey of the region around M31. *Nature* **461**, 66-69 (2009)

Merten, J., M. Cacciato, M. Meneghetti, C. Mignone and M. Bartelmann: Combining weak and strong cluster lensing: applications to simulations and MS 2137. *Astronomy and Astrophysics* **500**, 681-691 (2009)

Mobasher, B., T. Dahlen, A. Hopkins, N. Z. Scoville, P. Capak, R. M. Rich, D. B. Sanders, E. Schinnerer, O. Ilbert, M. Salvato and K. Sheth: Relation between stellar mass and star-formation activity in galaxies. *The Astrophysical Journal* **690**, 1074-1083 (2009)

More, A., J. P. McKean, S. More, R. W. Porcas, L. V. E. Koopmans and M. A. Garrett: The role of luminous substructure in the gravitational lens system MG 2016+112. *Monthly Notices of the Royal Astronomical Society* **394**, 174-190 (2009)

More, S., J. Bovy and D. W. Hogg: Cosmic transparency: A test with the Baryon acoustic feature and type Ia supernovae. *The Astrophysical Journal* **696**, 1727-1732 (2009)

More, S., F. C. van den Bosch and M. Cacciato: Satellite kinematics – I. A new method to constrain the halo mass-luminosity relation of central galaxies. *Monthly Notices of the Royal Astronomical Society* **392**, 917-924 (2009)

More, S., F. C. van den Bosch, M. Cacciato, H. J. Mo, X. Yang and R. Li: Satellite kinematics – II. The halo mass-luminosity relation of central galaxies in SDSS. *Monthly Notices of the Royal Astronomical Society* **392**, 801-816 (2009)

Muzzin, A., G. Wilson, H. K. C. Yee, H. Hoekstra, D. Gilbank, J. Surace, M. Lacy, K. Blindert, S. Majumdar, R. Demarco, J. P. Gardner, M. Gladders and C. Lonsdale: Spectroscopic confirmation of two massive Red-sequence-selected galaxy clusters at $z \sim 1.2$ in the SpARCS-North Cluster Survey. *The Astrophysical Journal* **698**, 1934-1942 (2009)

Nesvadba, N. P. H., R. Neri, C. De Breuck, M. D. Lehnert, D. Downes, F. Walter, A. Omont, F. Boulanger and N. Seymour: CO line emission in the halo of a radio galaxy at $z = 2.6$. *Monthly Notices of the Royal Astronomical Society* **395**, L16-L20 (2009)

Nilsson, K. K. and K. Meisenheimer: Understanding Ly α emitters. *New Astronomy Review* **53**, 37-39 (2009)

Nilsson, K. K., O. Möller-Nilsson, P. Möller, J. P. U. Fynbo and A. E. Shapley: On the dependence between UV luminosity and Ly α equivalent width in high-redshift galaxies. *Monthly Notices of the Royal Astronomical Society* **400**, 232-237 (2009)

Nilsson, K. K., C. Tapken, P. Möller, W. Freudling, J. P. U. Fynbo, K. Meisenheimer, P. Laursen and G. Östlin: Evolution in the properties of Lyman- α emitters from redshifts $z \sim 3$ to $z \sim 2$. *Astronomy and Astrophysics* **498**, 13-23 (2009)

Noll, S., D. Pierini, A. Cimatti, E. Daddi, J. D. Kurk, M. Bolzonella, P. Cassata, C. Halliday, M. Mignoli, L. Pozzetti, A. Renzini, S. Berta, M. Dickinson, A. Franceschini, G. Rodighiero, P. Rosati and G. Zamorani: GMSS ultradeep spectroscopy of galaxies at $z \sim 2$. IV. The variety of dust populations. *Astronomy and Astrophysics* **499**, 69-85 (2009)

Odenkirchen, M., E. K. Grebel, A. Kayser, H.-W. Rix and W. Dehnen: Kinematics of the tidal debris of the globular cluster Palomar 5. *The Astronomical Journal* **137**, 3378-3387 (2009)

Overzier, R. A., T. M. Heckman, C. Tremonti, L. Armus, A. Basu-Zych, T. Gonçalves, R. M. Rich, D. C. Martin, A. Ptak, D. Schiminovich, H. C. Ford, B. Madore and M. Seibert: Local Lyman break galaxy analogs: the impact of massive star-forming clumps on the interstellar medium and the global structure of young, forming galaxies. *The Astrophysical Journal* **706**, 203-222 (2009)

Pannella, M., C. L. Carilli, E. Daddi, H. J. McCracken, F. N. Owen, A. Renzini, V. Strazzullo, F. Civano, A. M. Koekemoer, E. Schinnerer, N. Scoville, V. Smolcic, Y. Taniguchi, H. Aussel, J. P. Kneib, O. Ilbert, Y. Mellier, M. Salvato, D. Thompson and C. J. Willott: Star formation and dust obscuration at $z = 2$: galaxies at the dawn of downsizing. *The Astrophysical Journal* **698**, L116-L120 (2009)

- Pasetto, S. and C. Chiosi*: Tidal effects on the spatial structure of the Local Group. *Astronomy and Astrophysics* **499**, 385-394 (2009)
- Pasquali, A., F. C. van den Bosch, H. J. Mo, X. Yang and R. Somerville*: The rise and fall of galaxy activity in dark matter haloes. *Monthly Notices of the Royal Astronomical Society* **394**, 38-50 (2009)
- Peñarrubia, J., J. F. Navarro, A. W. McConnachie and N. F. Martin*: The signature of galactic tides in local group dwarf spheroidals. *The Astrophysical Journal* **698**, 222-232 (2009)
- Raban, D., W. Jaffe, H. Röttgering, K. Meisenheimer and K. R. W. Tristram*: Resolving the obscuring torus in NGC 1068 with the power of infrared interferometry: revealing the inner funnel of dust. *Monthly Notices of the Royal Astronomical Society* **394**, 1325-1337 (2009)
- Rhoads, J. E., S. Malhotra, N. Pirzkal, M. Dickinson, S. Cohen, N. Grogin, N. Hathi, C. Xu, I. Ferreras, C. Gronwall, A. Koekemoer, M. Kümmel, G. Meurer, N. Panagia, A. Pasquali, R. Ryan, A. Straughn, J. Walsh, R. A. Windhorst and H.-J. Yan*: Spectroscopic confirmation of faint Lyman break galaxies near redshift five in the Hubble Ultra Deep field. *The Astrophysical Journal* **697**, 942-949 (2009)
- Riechers, D. A., F. Walter, F. Bertoldi, C. L. Carilli, M. Aravena, R. Neri, P. Cox, A. Weiß and K. M. Menten*: Imaging atomic and highly excited molecular gas in a $z = 6.42$ quasar host galaxy: Copious fuel for an Eddington-limited starburst at the end of cosmic reionization. *The Astrophysical Journal* **703**, 1338-1345 (2009)
- Riechers, D. A., F. Walter, C. L. Carilli and G. F. Lewis*: Imaging the molecular gas in a $z = 3.9$ quasar host galaxy at 0farcs3 resolution: a central, sub-kiloparsec scale star formation reservoir in APM 08279+5255. *The Astrophysical Journal* **690**, 463-485 (2009)
- Robaina, A. R., E. F. Bell, R. E. Skelton, D. H. McIntosh, R. S. Somerville, X. Zheng, H.-W. Rix, D. Bacon, M. Balogh, F. D. Barazza, M. Barden, A. Böhm, J. A. R. Caldwell, A. Gallazzi, M. E. Gray, B. Häussler, C. Heymans, K. Jahnke, S. Jogee, E. van Kampen, K. Lane, K. Meisenheimer, C. Papovich, C. Y. Peng, S. Sánchez, R. Skibba, A. Taylor, L. Wisotzki and C. Wolf*: Less than 10 percent of star formation in $z \sim 0.6$ massive galaxies is triggered by major interactions. *The Astrophysical Journal* **704**, 324-340 (2009)
- Rogers, B., I. Ferreras, S. Kaviraj, A. Pasquali and M. Sarzi*: Star formation and nuclear activity in close pairs of early-type galaxies. *Monthly Notices of the Royal Astronomical Society* **399**, 2172-2182 (2009)
- Ruhland, C., E. F. Bell, B. Häußler, E. N. Taylor, M. Barden and D. H. McIntosh*: The evolution of the scatter of the cosmic average color-magnitude relation: demonstrating consistency with the ongoing formation of elliptical galaxies. *The Astrophysical Journal* **695**, 1058-1069 (2009)
- Salvato, M., G. Hasinger, O. Ilbert, G. Zamorani, M. Brusa, N. Z. Scoville, A. Rau, P. Capak, S. Arnouts, H. Aussel, M. Bolzonella, A. Buongiorno, N. Cappelluti, K. Caputi, F. Civano, R. Cook, M. Elvis, R. Gilli, K. Jahnke, J. S. Kartaltepe, C. D. Impey, F. Lamareille, E. LeFloch, S. Lilly, V. Mainieri, P. McCarthy, H. McCracken, M. Mignoli, B. Mobasher, T. Murayama, S. Sasaki, D. B. Sanders, D. Schiminovich, Y. Shioya, P. Shopbell, J. Silverman, V. Smolcic, J. Surace, Y. Taniguchi, D. Thompson, J. R. Trump, M. Urry and M. Zamojski*: Photometric redshift and classification for the XMM-COSMOS sources. *The Astrophysical Journal* **690**, 1250-1263 (2009)
- Santini, P., A. Fontana, A. Grazian, S. Salimbeni, F. Fiore, F. Fontanot, K. Boutsia, M. Castellano, S. Cristiani, C. de Santis, S. Gallozzi, E. Giallongo, N. Menci, M. Nonino, D. Paris, L. Pentericci and E. Vanzella*: Star formation and mass assembly in high redshift galaxies. *Astronomy and Astrophysics* **504**, 751-767 (2009)
- Schartmann, M., K. Meisenheimer, H. Klahr, M. Camenzind, S. Wolf and T. Henning*: The effect of stellar feedback on the formation and evolution of gas and dust tori in AGN. *Monthly Notices of the Royal Astronomical Society* **393**, 759-773 (2009)
- Schmidt, K. B., S. H. Hansen, J. H. An, L. L. R. Williams and A. V. Macciò*: Dark matter angular momentum profile from the Jeans equation. *The Astrophysical Journal* **694**, 893-901 (2009)
- Shioya, Y., Y. Taniguchi, S. S. Sasaki, T. Nagao, T. Murayama, T. Saito, Y. Ideue, A. Nakajima, K. Matsuoka, J. Trump, N. Z. Scoville, D. B. Sanders, B. Mobasher, H. Aussel, P. Capak, J. Kartaltepe, A. Koekemoer, C. Carilli, R. S. Ellis, B. Garilli, M. Giavalisco, M. G. Kitzbichler, C. Impey, O. LeFevre, E. Schinnerer and V. Smolcic*: Erratum: "Photometric Properties of Ly α Emitters at $z = 4.86$ in the COSMOS 2 Square Degree Field" (2009, ApJ,

696, 546). *The Astrophysical Journal* **700**, 899-900 (2009)

Shioya, Y., Y. Taniguchi, S. S. Sasaki, T. Nagao, T. Murayama, T. Saito, Y. Ideue, A. Nakajima, K. Matsuoka, J. Trump, N. Z. Scoville, D. B. Sanders, B. Mobasher, H. Aussel, P. Capak, J. Kartaltepe, A. Koekemoer, C. Carilli, R. S. Ellis, B. Garilli, M. Giavalisco, M. G. Kitzbichler, C. Impey, O. LeFevre, E. Schinnerer and V. Smolcic: Photometric properties of Ly α emitters at $z = 4.86$ in the COSMOS 2 Square Degree Field. *The Astrophysical Journal* **696**, 546-561 (2009)

Silverman, J. D., K. Kovac, C. Knobel, S. Lilly, M. Bolzonella, F. Lamareille, V. Mainieri, M. Brusa, N. Cappelluti, Y. Peng, G. Hasinger, G. Zamorani, M. Scodeggio, T. Contini, C. M. Carollo, K. Jahnke, J. P. Kneib, O. LeFevre, S. Bardelli, A. Bongiorno, H. Brunner, K. Caputi, F. Civano, A. Comastri, G. Coppa, O. Cucciati, S. de la Torre, L. de Ravel, M. Elvis, A. Finoguenov, F. Fiore, P. Franzetti, B. Garilli, R. Gilli, R. Griffiths, A. Iovino, P. Kampczyk, A. Koekemoer, J. F. LeBorgne, V. LeBrun, C. Maier, M. Mignoli, R. Pello, E. Perez Montero, E. Ricciardelli, M. Tanaka, L. Tasca, L. Tresse, D. Vergani, C. Vignali, E. Zucca, D. Bottini, A. Cappi, P. Cassata, C. Marinoni, H. J. McCracken, P. Memeo, B. Meneux, P. Oesch, C. Porciani and M. Salvato: The environments of active galactic nuclei within the zCOSMOS density field. *The Astrophysical Journal* **695**, 171-182 (2009)

Silverman, J. D., F. Lamareille, C. Maier, S. J. Lilly, V. Mainieri, M. Brusa, N. Cappelluti, G. Hasinger, G. Zamorani, M. Scodeggio, M. Bolzonella, T. Contini, C. M. Carollo, K. Jahnke, J. P. Kneib, O. LeFevre, A. Merloni, S. Bardelli, A. Bongiorno, H. Brunner, K. Caputi, F. Civano, A. Comastri, G. Coppa, O. Cucciati, S. de la Torre, L. de Ravel, M. Elvis, A. Finoguenov, F. Fiore, P. Franzetti, B. Garilli, R. Gilli, A. Iovino, P. Kampczyk, C. Knobel, K. Kovac, J. F. LeBorgne, V. LeBrun, M. Mignoli, R. Pello, Y. Peng, E. P. Montero, E. Ricciardelli, M. Tanaka, L. Tasca, L. Tresse, D. Vergani, C. Vignali, E. Zucca, D. Bottini, A. Cappi, P. Cassata, M. Fumana, R. Griffiths, J. Kartaltepe, A. Koekemoer, C. Marinoni, H. J. McCracken, P. Memeo, B. Meneux, P. Oesch, C. Porciani and M. Salvato: Ongoing and co-evolving star formation in zCOSMOS galaxies hosting active galactic nuclei. *The Astrophysical Journal* **696**, 396-410 (2009)

Simon, P., M. Hettterscheidt, C. Wolf, K. Meisenheimer, H. Hildebrandt, P. Schneider, M. Schirmer and T. Erben: Relative clustering and the joint halo occupation distribution of red sequence and blue-cloud galaxies in COMBO-17. *Monthly Notices of the Royal Astronomical Society* **398**, 807-831 (2009)

Skelton, R. E., E. F. Bell and R. S. Somerville: The effect of dry mergers on the color-magnitude relation of early-type galaxies. *The Astrophysical Journal* **699**, L9-L12 (2009)

Skelton, R. E., P. A. Woudt and R. C. Kraan-Korteweg: The Norma cluster (ACO3627) – II. The near-infrared Ks-band luminosity function. *Monthly Notices of the Royal Astronomical Society* **396**, 2367-2378 (2009)

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* **392**, 1467-1474 (2009)

Skibba, R. A., S. P. Bamford, R. C. Nichol, C. J. Lintott, D. Andreescu, E. M. Edmondson, P. Murray, M. J. Raddick, K. Schawinski, A. Slosar, A. S. Szalay, D. Thomas and J. Vandenberg: Galaxy Zoo: disentangling the environmental dependence of morphology and colour. *Monthly Notices of the Royal Astronomical Society* **399**, 966-982 (2009)

Skibba, R. A. and R. K. Sheth: A halo model of galaxy colours and clustering in the Sloan Digital Sky Survey. *Monthly Notices of the Royal Astronomical Society* **392**, 1080-1091 (2009)

Smith, D. J. B., M. J. Jarvis, C. Simpson and A. Martínez-Sansigre: An 80-kpc Ly α halo around a high-redshift type-2 quasi-stellar object. *Monthly Notices of the Royal Astronomical Society* **393**, 309-316 (2009)

Smolcic, V., E. Schinnerer, G. Zamorani, E. F. Bell, M. Bondi, C. L. Carilli, P. Ciliegi, B. Mobasher, T. Paglione, M. Scodeggio and N. Scoville: The dust-unbiased cosmic star-formation history from the 20 CM VLA-Cosmos Survey. *The Astrophysical Journal* **690**, 610-618 (2009)

Smolcic, V., G. Zamorani, E. Schinnerer, S. Bardelli, M. Bondi, L. Birzan, C. L. Carilli, P. Ciliegi, M. Elvis, C. D. Impey, A. M. Koekemoer, A. Merloni, T. Paglione, M. Salvato, M. Scodeggio, N. Scoville and J. R. Trump: Cosmic evolution of radio selected active galactic nuclei in the COSMOS field. *The Astrophysical Journal* **696**, 24-39 (2009)

Sobral, D., P. N. Best, J. E. Geach, I. Smail, J. Kurk, M. Cirasuolo, M. Casali, R. J. Ivison, K.

Coppin and G. B. Dalton: Bright Ly α emitters at $z \sim 9$: constraints on the LF from HiZELS. Monthly Notices of the Royal Astronomical Society **398**, L68-L72 (2009)

Sobral, D., P. N. Best, J. E. Geach, I. Smail, J. Kurk, M. Cirasuolo, M. Casali, R. J. Ivison, K. Coppin and G. B. Dalton: HiZELS: a high-redshift survey of H α emitters – II. The nature of star-forming galaxies at $z = 0.84$. Monthly Notices of the Royal Astronomical Society **398**, 75-90 (2009)

St-Louis, N., A. N. Chené, O. Schnurr and M. H. Nicol: A systematic search for corotating interaction regions in apparently single galactic Wolf-Rayet stars. I. Characterizing the variability. The Astrophysical Journal **698**, 1951-1962 (2009)

Straughn, A. N., N. Pirzkal, G. R. Meurer, S. H. Cohen, R. A. Windhorst, S. Malhotra, J. Rhoads, J. P. Gardner, N. P. Hathi, R. A. Jansen, N. Grogin, N. Panagia, S. di Serego Alighieri, C. Gronwall, J. Walsh, A. Pasquali and C. Xu: Emission-line galaxies from the Hubble Space Telescope Probing Evolution and Reionization Spectroscopically (PEARS) Grism Survey. I. The South Fields. The Astronomical Journal **138**, 1022-1031 (2009)

Takami, H., M. Goto, W. Gaessler, Y. Hayano, M. Iye, Y. Kamata, T. Kanzawa, N. Kobayashi, Y. Minowa, S. Oya, T.-S. Pyo, D. Saint-Jacques, N. Takato, H. Terada, A. T. Tokunaga and T. Tsuji: Direct observation of the extended molecular atmosphere of α Ceti by differential spectral imaging with an adaptive optics system. Publications of the Astronomical Society of Japan **61**, 623-627 (2009)

Tamburro, D., H. W. Rix, A. K. Leroy, M. M. M. Low, F. Walter, R. C. Kennicutt, E. Brinks and W. J. G. de Blok: What is driving the H I velocity dispersion? The Astronomical Journal **137**, 4424-4435 (2009)

Taniguchi, Y., T. Murayama, N. Z. Scoville, S. S. Sasaki, T. Nagao, Y. Shioya, T. Saito, Y. Ideue, A. Nakajima, K. Matsuoka, D. B. Sanders, B. Mobasher, H. Aussel, P. Capak, M. Salvato, A. Koekemoer, C. Carilli, A. Cimatti, R. S. Ellis, B. Garilli, M. Giavalisco, O. Ilbert, C. D. Impey, M. G. Kitzbichler, O. LeFevre, H. J. McCracken, C. Scarlata, E. Schinnerer, V. Smolcic, S. Tribiano and J. R. Trump: Hubble Space Telescope/Advanced Camera for surveys morphology of Ly α emitters at redshift 5.7 in the COSMOS field. The Astrophysical Journal **701**, 915-944 (2009)

Taylor, E. N., M. Franx, P. G. van Dokkum, E. F. Bell, G. B. Brammer, G. Rudnick, S. Wuyts, E. Gawiser, P. Lira, C. M. Urry and H.-W. Rix: The rise of massive red galaxies: the color-magnitude and color-stellar mass diagrams for $z_{\text{phot}} < 2$ from the Multiwavelength Survey by Yale-Chile. The Astrophysical Journal **694**, 1171-1199 (2009)

Taylor, E. N., M. Franx, P. G. van Dokkum, R. F. Quadri, E. Gawiser, E. F. Bell, L. F. Barrientos, G. A. Blanc, F. J. Castander, M. Damen, V. Gonzalez-Perez, P. B. Hall, D. Herrera, H. Hildebrandt, M. Kriek, I. Labbé, P. Lira, J. Maza, G. Rudnick, E. Treister, C. M. Urry, J. P. Willis and S. Wuyts: A public, K-selected, optical-to-near-infrared catalog of the Extended Chandra Deep Field South (ECDFS) from the Multiwavelength Survey by Yale-Chile (MUSYC). The Astrophysical Journal Supplement Series **183**, 295-319 (2009)

Trager, S. C. and R. S. Somerville: Probing recent star formation with absorption-line strengths in hierarchical models and observations. Monthly Notices of the Royal Astronomical Society **395**, 608-624 (2009)

Tristram, K. R. W., D. Raban, K. Meisenheimer, W. Jaffe, H. Röttgering, L. Burtscher, W. D. Cotton, U. Graser, T. Henning, C. Leinert, B. Lopez, S. Morel, G. Perrin and M. Wittkowski: Parsec-scale dust distributions in Seyfert galaxies. Results of the MIDI AGN snapshot survey. Astronomy and Astrophysics **502**, 67-84 (2009)

Trump, J. R., C. D. Impey, M. Elvis, P. J. McCarthy, J. P. Huchra, M. Brusa, M. Salvato, P. Capak, N. Cappelluti, F. Civano, A. Comastri, J. Gabor, H. Hao, G. Hasinger, K. Jahnke, B. C. Kelly, S. J. Lilly, E. Schinnerer, N. Z. Scoville and V. Smolcic: The COSMOS active galactic nucleus spectroscopic survey. I. XMM-Newton counterparts. The Astrophysical Journal **696**, 1195-1212 (2009)

Trump, J. R., C. D. Impey, Y. Taniguchi, M. Brusa, F. Civano, M. Elvis, J. M. Gabor, K. Jahnke, B. C. Kelly, A. M. Koekemoer, T. Nagao, M. Salvato, Y. Shioya, P. Capak, J. P. Huchra, J. S. Kartaltepe, G. Lanzuisi, P. J. McCarthy, V. Maineri and N. Z. Scoville: The nature of optically dull active galactic nuclei in COSMOS. The Astrophysical Journal **706**, 797-809 (2009)

Tsalmantza, P., M. Kontizas, B. Rocca-Volmerange, C. A. L. Bailer-Jones, E. Kontizas, I. Bellas-Velidis, E. Livanou, R. Korakitis, A. Dapergolas, A. Vallenari and M. Fioc: Towards a library of synthetic galaxy spectra and preliminary results of classification and

parametrization of unresolved galaxies for Gaia. II. *Astronomy and Astrophysics* **504**, 1071-1084 (2009)

Vaidya, B., C. Fendt and H. Beuther: Accretion disks around massive stars: hydrodynamic structure, stability, and dust sublimation. *The Astrophysical Journal* **702**, 567-579 (2009)

van der Wel, A., E. F. Bell, F. C. van den Bosch, A. Gallazzi and H.-W. Rix: On the size and comoving mass density evolution of early-type galaxies. *The Astrophysical Journal* **698**, 1232-1243 (2009)

van der Wel, A., H.-W. Rix, B. P. Holden, E. F. Bell and A. R. Robaina: Major merging: the way to make a massive, passive galaxy. *The Astrophysical Journal* **706**, L120-L123 (2009)

Walcher, C. J., P. Coelho, A. Gallazzi and S. Charlot: Differential stellar population models: how to reliably measure [Fe/H] and [α /Fe] in galaxies. *Monthly Notices of the Royal Astronomical Society* **398**, L44-L48 (2009)

Walter, F., D. Riechers, P. Cox, R. Neri, C. Carilli, F. Bertoldi, A. Weiss and R. Maiolino: A kiloparsec-scale hyper-starburst in a quasar host less than 1 gigayear after the Big Bang. *Nature* **457**, 699-701 (2009)

Walter, F., A. Weiß, D. A. Riechers, C. L. Carilli, F. Bertoldi, P. Cox and K. M. Menten: A sensitive search for [N II] λ 205 mm emission in a $z = 6.4$ quasar host galaxy. *The Astrophysical Journal* **691**, L1-L4 (2009)

Wang, H., H. J. Mo, Y. P. Jing, Y. Guo, F. C. van den Bosch and X. Yang: Reconstructing the cosmic density field with the distribution of dark matter haloes. *Monthly Notices of the Royal Astronomical Society* **394**, 398-414 (2009)

Wang, Y., X. Yang, H. J. Mo, F. C. van den Bosch, N. Katz, A. Pasquali, D. H. McIntosh and S. M. Weinmann: The nature of red dwarf galaxies. *The Astrophysical Journal* **697**, 247-257 (2009)

Weinmann, S. M., G. Kauffmann, F. C. van den Bosch, A. Pasquali, D. H. McIntosh, H. Mo, X. Yang and Y. Guo: Environmental effects on satellite galaxies: the link between concentration, size and colour profile. *Monthly Notices of the Royal Astronomical Society* **394**, 1213-1228 (2009)

Weiß, A., R. J. Ivison, D. Downes, F. Walter, M. Cirasuolo and K. M. Menten: First redshift determination of an optically/ultraviolet faint submillimeter galaxy using CO emission lines. *The Astrophysical Journal Letters* **705**, L45-L47 (2009)

Weiß, A., A. Kovács, K. Coppin, T. R. Greve, F. Walter, I. Smail, J. S. Dunlop, K. K. Knudsen, D. M. Alexander, F. Bertoldi, W. N. Brandt, S. C. Chapman, P. Cox, H. Dannerbauer, C. De Breuck, E. Gawiser, R. J. Ivison, D. Lutz, K. M. Menten, A. M. Koekemoer, E. Kreysa, P. Kurczynski, H. W. Rix, E. Schinnerer and P. P. van der Werf: The Large Apex Bolometer Camera Survey of the Extended Chandra Deep Field South. *The Astrophysical Journal* **707**, 1201-1216 (2009)

Weisz, D. R., E. D. Skillman, J. M. Cannon, A. E. Dolphin, R. C. Kennicutt, J. Lee and F. Walter: Does stellar feedback create H I holes? A Hubble Space Telescope/Very Large Array Study of Holmberg II. *The Astrophysical Journal* **704**, 1538-1569 (2009)

Weisz, D. R., E. D. Skillman, J. M. Cannon, F. Walter, E. Brinks, J. Ott and A. E. Dolphin: Triggered star formation and the creation of the supergiant H I shell in IC 2574. *The Astrophysical Journal* **691**, L59-L62 (2009)

Wilson, G., A. Muzzin, H. K. C. Yee, M. Lacy, J. Surace, D. Gilbank, K. Blindert, H. Hoekstra, S. Majumdar, R. Demarco, J. P. Gardner, M. D. Gladders and C. Lonsdale: Spectroscopic confirmation of a massive red-sequence-selected galaxy cluster at $z = 1.34$ in the SpARCS-South Cluster Survey. *The Astrophysical Journal* **698**, 1943-1950 (2009)

Wolf, C., A. Aragón-Salamanca, M. Balogh, M. Barden, E. F. Bell, M. E. Gray, C. Y. Peng, D. Bacon, F. D. Barazza, A. Böhm, J. A. R. Caldwell, A. Gallazzi, B. Häußler, C. Heymans, K. Jahnke, S. Jogee, E. van Kampen, K. Lane, D. H. McIntosh, K. Meisenheimer, C. Papovich, S. F. Sánchez, A. Taylor, L. Wisotzki and X. Zheng: The STAGES view of red spirals and dusty red galaxies: mass-dependent quenching of star formation in cluster infall. *Monthly Notices of the Royal Astronomical Society* **393**, 1302-1323 (2009)

Xue, X.-X., H.-W. Rix and G. Zhao: The pairwise velocity difference of over 2000 BHB stars in the Milky Way halo. *Research in Astronomy and Astrophysics* **9**, 1230-1240 (2009)

Yang, X., H. J. Mo and F. C. van den Bosch: The subhalo-satellite connection and the fate of disrupted satellite galaxies. *The Astrophysical Journal* **693**, 830-838 (2009)

Yang, X., H. J. Mo and F. C. van den Bosch: Galaxy groups in the SDSS DR4. III. The luminosity and stellar mass functions. *The Astrophysical Journal* **695**, 900-916 (2009)

Yang, Y., A. Zabludoff, C. Tremonti, D. Eisenstein and R. Dav  : Extended Ly α nebulae at $z \sim 2.3$: an extremely rare and strongly clustered population? *The Astrophysical Journal* **693**, 1579-1587 (2009)

Yanny, B., C. Rockosi, H. J. Newberg, G. R. Knapp, J. K. Adelman-McCarthy, B. Alcorn, S. Allam, C. Allende Prieto, D. An, K. S. J. Anderson, S. Anderson, C. A. L. Bailer-Jones, S. Bastian, T. C. Beers, E. Bell, V. Belokurov, D. Bizyaev, N. Blythe, J. J. Bochanski, W. N. Boroski, J. Brinchmann, J. Brinkmann, H. Brewington, L. Carey, K. M. Cudworth, M. Evans, N. W. Evans, E. Gates, B. T. G  nsicke, B. Gillespie, G. Gilmore, A. N. Gomez-Moran, E. K. Grebel, J. Greenwell, J. E. Gunn, C. Jordan, W. Jordan, P. Harding, H. Harris, J. S. Hendry, D. Holder, I. I. Ivans, Z. Ivezi  , S. Jester, J. A. Johnson, S. M. Kent, S. Kleinman, A. Kniazev, J. Krzesinski, R. Kron, N. Kuropatkin, S. Lebedeva, Y. S. Lee, R. F. Leger, S. L  pine, S. Levine, H. Lin, D. C. Long, C. Loomis, R. Lupton, O. Malanushenko, V. Malanushenko, B. Margon, D. Martinez-Delgado, P. McGehee, D. Monet, H. L. Morrison, J. A. Munn, E. H. Neilsen, A. Nitta, J. E. Norris, D. Oravetz, R. Owen, N. Padmanabhan, K. Pan, R. S. Peterson, J. R. Pier, J. Platson, P. R. Fiorentin, G. T. Richards, H.-W. Rix, D. J. Schlegel, D. P. Schneider, M. R. Schreiber, A. Schwobe, V. Sibley, A. Simmons, S. A. Snedden, J. A. Smith, L. Stark, F. Stauffer, M. Steinmetz, C. Stoughton, M. Subba Rao, A. Szalay, P. Szkody, A. R. Thakar, S. Thirupathi, D. Tucker, A. Uomoto, D. Vanden Berk, S. Vidrih, Y. Wadadekar, S. Watters, R. Wilhelm, R. F. G. Wyse, J. Yarger and D. Zucker: SEGUE: a spectroscopic survey of 240,000 stars with $g = 14-20$. *The Astronomical Journal* **137**, 4377-4399 (2009)

Yip, C. W., A. J. Connolly, D. E. Vanden Berk, R. Scranton, S. Krughoff, A. S. Szalay, L. Dobos, C. Tremonti, M. Taghizadeh-Popp, T. Budav  ri, I. Csabai, R. F. G. Wyse and Z. Ivezi  : Probing spectroscopic variability of galaxies and narrow-line active galactic nuclei in the Sloan Digital Sky Survey. *The Astronomical Journal* **137**, 5120-5133 (2009)

Zheng, X. Z., E. F. Bell, R. S. Somerville, H. W. Rix, K. Jahnke, F. Fontanot, G. H. Rieke, D. Schiminovich and K. Meisenheimer: Observational constraints on the co-evolution of supermassive black holes and galaxies. *The Astrophysical Journal* **707**, 1566-1577 (2009)

Zibetti, S., S. p. Charlot and H.-W. Rix: Resolved stellar mass maps of galaxies – I. Method and implications for global mass estimates. *Monthly Notices of the Royal Astronomical Society* **400**, 1181-1198 (2009)

Zibetti, S., D. Pierini and G. W. Pratt: Are fossil groups a challenge of the cold dark matter paradigm? *Monthly Notices of the Royal Astronomical Society* **392**, 525-536 (2009)

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Contributed Papers

Bagetakos, I., E. Brinks, F. Walter, W. J. G. de Blok, J. W. Rich, A. Usero and R. C. Kennicutt, Jr.: An Inventory of Supershells in nearby Galaxies: First Results from THINGS. In: An Inventory of Supershells in nearby Galaxies: First Results from THINGS, (Eds.) Sheth, K., A. Noriega-Crespo, J. Ingalls, R. Paladini. 17 (2009 online)

Bailer-Jones, C. A. L.: What will GAIA tell us about the Galactic disk? In: The Galaxy Disk in Cosmological Context, (Eds.) Andersen, J., J. Bland-Hawthorn, B. Nordström. IAU Symp. **254**, Cambridge Univ. Press, 475-482 (2009)

Bagetakos, I., E. Brinks, F. Walter, W. J. G. de Blok, J. W. Rich, A. Usero and R. C. Kennicutt, Jr.: An inventory of supershells in nearby galaxies: first results from THINGS. In: The Evolving ISM in the Milky Way and Nearby Galaxies, (Eds.) Sheth, K., A. Noriega-Crespo, J. Ingalls, R. Paladini. (2009 online)

Bailer-Jones, C. A. L.: What will Gaia tell us about the Galactic disk? In: The Galaxy Disk in Cosmological Context, (Eds.) Andersen, J., J. Bland-Hawthorn, B. Nordström. IAU Symp. **254**, Cambridge Univ. Press, 475-482 (2009)

Berwein, J., F. Briegel, F. Kittmann, A. Pavlov and W. Gaessler: An engineering editor tool based on the SOA application framework of the LINC-NIRVANA LBT interferometer. In: Astronomical Data Analysis Software and Systems XVIII, (Eds.) Bohlender, D. A., D. Durand, P. Dowler. ASP Conf. Ser **411**, ASP, 289-292 (2009)

Bigiel, F., F. Walter, A. Leroy, E. Brinks, W. J. G. de Blok, B. Madore and M. D. Thornley: The star formation law on sub-kpc resolution in THINGS. In: The Evolving ISM in the Milky Way and Nearby Galaxies, (Eds.) Sheth, K., A. Noriega-Crespo, J. Ingalls, R. Paladini. 12 (2009 online)

Bolatto, A. D., A. K. Leroy and F. Walter: Molecular Cloud Properties and Star Formation in Primitive Galaxies. Revista Mexicana de Astronomia y Astrofisica. Serie de Conferencias **35**, 289 (2009)

Bot, C., M. Rubio, F. Boulanger, M. Albrecht, F. Bertoldi, A. D. Bolatto and A. K. Leroy: Tracing the cold molecular gas reservoir through dust emission in the SMC. In: The Magellanic System: Stars, Gas, and Galaxies, (Eds.) van Loon, J. T., J. M. Oliveira. IAU Symp. **256**, Cambridge Univ. Press, 148-153 (2009)

Boudreault, S. and C. A. L. Bailer-Jones: A constraint on brown dwarf formation via ejection: radial variation of the stellar and substellar mass function of the young open cluster IC 2391. In: Cool Stars, Stellar Systems and the Sun, (Ed.) Stempels, E. AIP Conference Proceedings **1094**, AIP, Springer, 904-907 (2009)

Brinks, E., F. Bigiel, A. Leroy, F. Walter, W. J. G. de Blok, I. Bagetakos, A. Usero and R. C. Kennicutt: HI in galactic disks. In: The Galaxy Disk in Cosmological Context, (Eds.) Andersen, J., J. Bland-Hawthorn, B. Nordström. IAU Symp. **254**, Cambridge Univ. Press, 301-306 (2009)

Brunner, G., R. Dufour, K. Sheth, L. Armus, S. Vogel, M. Wolfire and E. Schinnerer: Mapping the spatial distribution of H₂ in nearby galaxies with the Spitzer Infrared Spectrograph. In: The Evolving ISM in the Milky Way and Nearby Galaxies, (Eds.) Sheth, K., A. Noriega-Crespo, J. Ingalls, R. Paladini. 19 (2009 online)

de Jong, J. T. A., B. Yanny, H.-W. Rix, E. F. Bell and A. E. Dolphin: Mapping low-latitude stellar substructure with SEGUE photometry. In: The Galaxy Disk in Cosmological Context, (Eds.) Andersen, J., J. Bland-Hawthorn, B. Nordström. IAU Symp. **254**, Cambridge Univ.

Press, 121-126 (2009)

Fendt, C.: Magnetohydrodynamic jets from different magnetic field configurations. In: Protostellar Jets in Context, (Eds.) Tsinganos, K., T. Ray, M. Stute. Astrophysics and Space Science Proceedings Series Springer, 131-136 (2009)

Goldman, B., J. Pitann, M. R. Z. Osorio, C. A. L. Bailer-Jones, V. S. Béjar, J. A. Caballero and T. Henning: Polarization of ultra-cool dwarfs. In: Cool Stars, Stellar Systems and the Sun, (Ed.) Stempels, E. AIP Conference Proceedings **1094**, AIP, Springer, 525-528 (2009)

Jaffe, W., D. Raban, K. Meisenheimer, K. Tristram, C. Leinert and H. Röttgering: MIDI sees active galactic nuclei. In: Science with the VLT in the ELT Era, (Ed.) Moorwood, A. F. M. Astrophysics and Space Science Proceedings Springer, 89-94 (2009)

Kittmann, F., F. Briegel, J. Berwein and W. Gaessler: IDL-based AO control software for laboratory tests. In: Astronomical Data Analysis Software and Systems XVIII (Eds.) Bohlender, D. A., D. Durand, P. Dowler. ASP Conf. Ser. **411**, ASP, 326-329 (2009)

Labadie, L., T. M. Herbst, S. Egner, M. Brix and M. Kürster: Which synergies between LBT/LINC Nirvana and future ELTs? In: Science with the VLT in the ELT Era, (Ed.) Moorwood, A. Astrophysics and Space Science Proceedings Springer 273-277 (2009)

Leroy, A. K., A. D. Bolatto, E. Rosolowsky, S. Stanimirovic, N. Mizuno, C. Bot, F. Israel, F. Walter and L. Blitz: The state of molecular gas in the Small Magellanic Cloud. In: The Magellanic System: Stars, Gas, and Galaxies, (Eds.) van Loon, J. T., J. M. Oliveira. IAU Symp. **256**, Cambridge Univ. Press, 154-159 (2009)

Lopez, B., S. Lagarde, S. Wolf, W. Jaffe, G. Weigelt, P. Antonelli, P. Abraham, J. C. Augereau, U. Beckman, J. Behrend, N. Berruyer, Y. Bresson, O. Chesneau, J. M. Clausse, C. Connot, W. C. Danchi, M. Delbo, K. Demyk, A. Domiciano, M. Dugué, A. Glazenberg, U. Graser, H. Hanenburg, T. Henning, M. Heininger, K. H. Hofmann, Y. Hugues, S. Jankov, S. Kraus, W. Laun, C. Leinert, H. Linz, A. Matter, P. Mathias, K. Meisenheimer, J. L. Menut, F. Millour, L. Mosoni, U. Neumann, A. Niedzielski, E. Nussbaum, R. Petrov, T. Ratzka, S. Robbe-Dubois, A. Roussel, D. Schertl, F. X. Schmider, B. Stecklum, E. Thiebaut, F. Vakili, K. Wagner, L. B. F. M. Waters, O. Absil, J. Hron, N. Nardetto, J. Olofsson, B. Valat, M. Vannier, B. Goldman, S. Hönig and W. D. Cotton: Matisse. In: Science with the VLT in the ELT Era, (Ed.) Moorwood, A. Astrophysics and Space Science Proceedings Springer Netherlands, 353-357 (2009)

Meisenheimer, K.: VLTI and beyond: the next steps in AGN research with interferometers. In: Science with the VLT in the ELT Era, (Ed.) Moorwood, A. Astrophysics and Space Science Proceedings Springer 507-512 (2009)

Meyer, E. and M. Kürster: Deriving the true mass of a brown dwarf companion by AO aided astrometry. In: Cool Stars, Stellar Systems and the Sun, (Ed.) Stempels, E. AIP Conference Proceedings **1094**, AIP, Springer, 549-552 (2009)

Monaco, P., F. Fontanot, B. Lo Faro, G. De Lucia, E. Vanzella, R. Somerville, S. Cristiani, L. Silva and P. Santini: Modeling multi-wavelength properties of high redshift galaxies. In: Probing Stellar Populations Out to the Distant Universe, (Eds.) Giobbi, G., A. Tornambe, G. Raimondo, M. Limongi, L. A. Antonelli, N. Menci, E. Brocato. AIP Conference Proceedings **1111**, Springer, 48-51 (2009)

Pannella, M., C. L. Carilli, E. Daddi, H. J. Mc Cracken, F. Owen, A. Renzini, E. Schinnerer and V. Smolcic: Star formation and dust obscuration at $z \sim 2$. In: Probing Stellar Populations Out to the Distant Universe, (Eds.) Giobbi, G., A. Tornambe, G. Raimondo, M. Limongi, L. A. Antonelli, N. Menci, E. Brocato. AIP Conference Proceedings **1111**, AIP, Springer, 203-206 (2009)

Re Fiorentin, P., C. A. Bailer-Jones, T. C. Beers, T. Zwitter, Y. S. Lee and X. Xue: Toward constraints on galaxy formation scenarios: Stellar properties from Galactic surveys. In: The Galaxy Disk in Cosmological Context, (Eds.) Andersen, J., J. Bland-Hawthorn, B. Nordström. IAU Symp. **254**, Cambridge Univ. Press, 101-108 (2009)

Rogers, B., I. Ferreras, A. Pasquali and O. Lahav: PCA and the stellar populations of

elliptical galaxies. In: *Probing Stellar Populations Out to the Distant Universe*, (Eds.) Giobbi, G., A. Tornambe, G. Raimondo, M. Limongi, L. A. Antonelli, N. Menci, E. Brocato. AIP Conference Proceedings **1111**, AIP, Springer, 187-190 (2009)

Sabbi, E., A. Nota, J. S. Gallagher, M. Tosi, L. R. Carlson, M. Sirianni, M. Meixner, L. J. Smith, M. S. Oey, R. Walterbos, A. Pasquali and L. Angeretti: Star formation in the Small Magellanic Cloud: the youngest star clusters. *Astrophysics and Space Science* **324**, 101-107 (2009)

Sandstrom, K., A. Bolatto, S. Stanimirovic, J. D. Smith, J. D. Simon and A. Leroy: S4MC observations of dust in the Small Magellanic Cloud Supernova remnant 1E 0102.2-7219. In: *The Evolving ISM in the Milky Way and Nearby Galaxies*, (Eds.) Sheth, K., A. Noriega-Crespo, J. Ingalls, R. Paladini. 58 (2009 online)

Sandstrom, K. M., A. D. Bolatto, S. Stanimirovic, J. D. T. Smith, J. T. van Loon and A. K. Leroy: The Spitzer spectroscopic survey of the Small Magellanic Cloud: polycyclic aromatic hydrocarbon emission from SMC star-forming regions. In: *The Magellanic System: Stars, Gas, and Galaxies*, (Eds.) van Loon, J. T., J. M. Oliveira. IAU Symp. **256**, Cambridge Univ. Press, 160-165 (2009)

Smolcic, V., G. Zamorani, E. Schinnerer, V.-C. The and C. Cosmos: A radio view of the sky: the cosmic history of star-forming and AGN galaxies. In: *The Starburst-AGN Connection*, (Eds.) Wang, W., Z. Yang, Z. Luo, Z. Chen. ASP Conf. Ser. **408**, ASP, 116-120 (2009)

Trowitzsch, J., A. Pavlov and W. Gässler: LINC-NIRVANA observation preparation software: design and perspective. In: *Astronomical Data Analysis Software and Systems XVIII*, (Eds.) Bohlender, D. A., D. Durand, P. Dowler. ASP Conf. Ser. **411**, ASP, 518-522 (2009)

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: A library of galaxy spectra for Gaia. In: *Probing Stellar Populations Out to the Distant Universe*, (Eds.) Giobbi, G., A. Tornambe, G. Raimondo, M. Limongi, L. A. Antonelli, N. Menci, E. Brocato. AIP Conference Proceedings **1111**, AIP, Springer, 79-82 (2009)

Wolf, C., A. Aragón-Salamanca, M. Balogh, M. Barden, E. F. Bell, M. E. Gray, C. Y. Peng, D. Bacon, F. D. Barazza, A. Böhm, J. A. R. Caldwell, A. Gallazzi, B. Häussler, C. Heymans, K. Jahnke, S. Jogee, E. van Kampen, K. Lane, D. H. McIntosh, K. Meisenheimer, C. Papovich, S. F. Sánchez, A. Taylor, L. Wisotzki and X. Zheng: Optically-passive spirals: the missing link in gradual star formation suppression upon cluster infall. In: *The Starburst-AGN Connection*, (Eds.) Wang, W., Z. Yang, Z. Luo, Z. Chen. ASP Conf. Ser. **408**, ASP, 248-252 (2009)

Wolf, S., B. Lopez, W. Jaffe, G. Weigelt, J. C. Augereau, N. Berruyer, O. Chesneau, W. C. Danchi, M. Delbo, K. Demyk, A. Domiciano, T. Henning, K. H. Hofmann, S. Kraus, C. Leinert, H. Linz, P. Mathias, K. Meisenheimer, J. L. Menut, F. Millour, L. Mosoni, A. Niedzielski, R. Petrov, T. Ratzka, B. Stecklum, E. Thiebaud, F. Vakili, L. B. F. M. Waters, O. Absil, J. Hron, S. Lagarde, A. Matter, N. Nardetto, J. Olofsson, B. Valat and M. Vannier: MATISSE science cases. In: *Science with the VLT in the ELT Era*, (Ed.) Moorwood, A. *Astrophysics and Space Science Proceedings Springer Netherlands*, 359-360 (2009)

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Galaxien und Kosmologie / *Galaxies and Cosmology (2009)*

Popular Papers:

Kurk, J., A. Cimatti, E. Daddi, M. Mignoli, M. Bolzonella, L. Pozzetti, P. Cassata, C. Halliday, G. Zamorani, S. Berta, M. Brusa, M. Dickinson, A. Franceschini, G. Rodighiero, P. Rosati and A. Renzini: A VLT Large Programme to study galaxies at $z \sim 2$: GMASS – the Galaxy Mass Assembly Ultra-deep Spectroscopic Survey. *The Messenger* **135**, 40-44 (2009)

Neumayer, N. and K. Meisenheimer: Ins Herz von Centaurus A. *Sterne und Weltraum* **48,8**, 42-51 (2009)

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