

ST-ECF Publications 2005

- Barbieri, C.; Marchi, S.; Migliorini, A.; Magrin, S.; Skvarč, J.; Marzari, F.; Scholl, H.; *Albrecht, R.*: "A search of outer Trojans on ASTROVIRTEL images", Planetary and Space Science, Volume 53, Issue 6, p. 643-651
- Binette, L.; Groves, B.; Villar-Martín, M.; *Fosbury, R.A.E.*; Axon, D.J.: "Is the High- z Lynx Arc Nebula Ionized by an Obscured QSO?", II International GTC Workshop: Science with GTC 1st-light Instruments and the LMT (Eds. A. M. Hidalgo-Gómez, J. J. González, J. M. Rodríguez Espinosa, and S. Torres-Peimbert) Revista Mexicana de Astronomía y Astrofísica (Serie de Conferencias) Vol. 24, pp. 173-176
- Blondin, S., *Walsh, J.R.*, Leibundgut, B., Sainton, G.: "Extracting clean supernova spectra. Towards a quantitative analysis of high-redshift Type Ia supernova spectra", A&A, 431, 757
- Bristow, P., Kerber, F., Rosa, M.*: "STIS Calibration Enhancement; Implementation of Model Based Techniques for Wavelength Calibration and Charge Transfer Inefficiency", 2005 HST Calibration Workshop, A. Koekemoer, L. Dressel & P. Goudfrooij (eds.), STScI
- Bristow, P., Kerber, F., Fiorentino, M., Rosa, M.R.*: "CRIRES Optical Model for Wavelength Calibration V1.0", ST-ECF Instrument Science Report WIRE 2005-002
- Brodie, J.P.; Strader, J.; Denicoló, G.; Beasley, M.A.; Cenarro, A.J.; *Larsen, S.S.*; *Kuntschner, H.*; Forbes, D.A.: "Old Globular Clusters Masquerading as Young in NGC 4365?", The Astronomical Journal, Volume 129, Issue 6, pp. 2643-2653, astro-ph/0502467
- Burkert, A., Brodie, J., & *Larsen, S.S.*: "Faint Fuzzies and the Formation of Lenticular Galaxies", ApJ 628, 231-235, astro-ph/0504064
- Cappellari, M.; Bacon, R.; Bureau, M.; Davies, R.L.; de Zeeuw, P.T.; Emsellem, E.; Falcon-Barroso, J.; Krajnovic, D.; *Kuntschner, H.*; McDermid, R.M.; Peletier, R.F.; Sarzi, M.; van den Bosch, R.C.E.; van de Ven, G.: "Revisiting the (V/sigma,epsilon) anisotropy diagram of early-type galaxies using integral-field kinematics", in 'Nearly Normal Galaxies in a LCDM Universe'. A conference celebrating the 60th birthdays of George Blumenthal, Sandra Faber and Joel Primack. Santa Cruz: UC Santa Cruz, astro-ph/0509470
- Cappellari, M., Bacon, R., Bureau, M., Damen, M.C., Davies, R.L., de Zeeuw, P.T., Emsellem, E., Falcon-Barroso, J., Krajnovic, D., *Kuntschner, H.*, McDermid, R.M., Peletier, R.F., Sarzi, M., van den Bosch, R.C.E., van de Ven, G.: "Dark Matter in the Central Regions of Early Type Galaxies"; in Proceedings of the XXIst IAP Colloquium 'Mass Profiles and Shapes of Cosmological Structures', Eds. G. Mamon, F. Combes, C. Deffayet, B. Fort, EDP Sciences, astro-ph/0511530

Cappellari, M., Bacon, R., Bureau, M., Damen, M.C., Davies, R.L., de Zeeuw, P.T., Emsellem, E., Falcon-Barroso, J., Krajnovic, D., Kuntschner, H., McDermid, R.M., Peletier, R.F., Sarzi, M., van den Bosch, R.C.E., van de Ven, G.: "The SAURON project - IV. The mass-to-light ratio, the virial mass estimator and the fundamental plane of elliptical and lenticular galaxies", astro-ph/0505042

Christensen, L.L.; Fosbury, R.A.E.: "Hubble: 15 years of discovery", Book & DVD, 2005 (translated to Portuguese, Finnish and German)

Christensen, L.L.: "Supernova skabte Solsystemet", Illustreret Videnskab, 2005

Christensen, L.L.: "Himlen Netop Nu", Illustreret Videnskab, 01-2005

Christensen, L.L.: "Himlen Netop Nu", Illustreret Videnskab, 02-2005

Christensen, L.L.: "Hubble fejrer fødselsdag", Aktuel Astronomi 02-2005

Christensen, L.L.: "Himlen Netop Nu", Illustreret Videnskab, 05-2005

Corradi, R.L.M., Magrini, L., Greimel, R., Irwin, M., Leisy, P., Lennon, D.J., Mampaso, A., Perinotto, M., Pollacco, D.L., *Walsh, J.R.*: "The Local Group Census: planetary nebulae in the spheroidal galaxies NGC 147, NGC 185 and NGC 205", A&A, 431, 555

Dravins, D., Barbieri, C., *Fosbury, R.A.E.*, Naletto, G., Nilsson, R., Occhipinti, T., Tamburini, F., Uthas, T., Zampieri, L.: "QuantEYE: The Quantum Optics Instrument for OWL", Proceedings from meeting 'Instrumentation for Extremely Large Telescopes', held at Ringberg Castle, July 2005 (T. Herbst, ed.), astro-ph/0511027

Erben, T., Schirmer, M., Dietrich, J.P., Cordes, O., Haberbzettel, L., Hettterscheidt, M., Hildebrandt, H., Schmithuesen, O., Schneider, P., Simon, P., Deul, E., *Hook, R.N.*, Kaiser, N., Radovich, M., Benoist, C., Nonino, M., Olsen, L.F., Prandoni, I., Wichmann, R., Zaggia, S., Bomans, D., Dettmar, R.J. & Miralles, J.M.: "GaBoDS: The Garching-Bonn Deep Survey. IV. Methods for the image reduction of multi-chip cameras demonstrated on data from the ESO Wide-Field Imager", Astronomische Nachrichten, 326, 6, 432

Falcon-Barroso, J., Bacon, R., Bureau, M., Cappellari, M., Davies, R.L., de Zeeuw, P.T., Emsellem, E., Fathi, K., Krajnovic, D., *Kuntschner, H.*, McDermid, R.M., Peletier, R.F., Sarzi, M.: "A SAURON study of stars and gas in Sa bulges", Proceedings of the 'Island Universes: Structure and Evolution of Disk Galaxies' Conference held in Terschelling, Netherlands, July 2005, ed. R. de Jong., astro-ph/0511607

Falcón-Barroso, J., Sarzi, M., Bacon, R., Bureau, M., Cappellari, M., Davies, R.L., Emsellem, E., Fathi, K., Krajnovic, D., *Kuntschner, H.*, McDermid, R.M., Peletier, R.F., de Zeeuw, P.T.: "Morphology and kinematics of the ionised gas in early-type galaxies" in 'Adaptive Optics-Assisted Integral-Field Spectroscopy', Rutten R.G.M., Benn C.R., Mendez J., eds., May 2005, La Palma (Spain), New Astr. Rev. 49 (2006) 515-520

- Freudling, W.*; Staveley-Smith, L.; Calabretta, M.; Catinella, B.; van Driel, W.; Linder, S.; Minchin, R.; Momjian, E.; Zwaan, M.; AUDES Team: "The ALFA Ultra Deep Survey (AUDES)", American Astronomical Society Meeting 207, #88.08
- Gerken, B., *Kuntschner, H.*, Davies, R.L.: "Internal kinematics and stellar populations of early-type galaxies in the Fornax cluster"; in Proceedings of 'The Fabulous Destiny of Galaxies: Bridging Past and Present', Marseille, June 2005, astro-ph/0510219
- Giavalisco, M.; Ferguson, H.C.; Koekemoer, A.M.; Dickinson, M.; Alexander, D. M.; Bauer, F.E.; Bergeron, J.; Biagetti, C.; Brandt, W.N.; Casertano, S.; Cesarsky, C.; Chatzichristou, E.; Conselice, C.; Cristiani, S.; da Costa, L.; Dahlen, T.; de Mello, D.; Eisenhardt, P.; Erben, T.; Fall, S.M.; Fasnacht, C.; *Fosbury, R.A.E.*; Fruchter, A.; Gardner, J.P.; Grogin, N.; *Hook, R.N.*; Hornschemeier, A.E.; Idzi, R.; Jogee, S.; Kretchmer, C.; Laidler, V.; Lee, K.S.; Livio, M.; Lucas, R.; Madau, P.; Mobasher, B.; Moustakas, L.A.; Nonino, M.; Padovani, P.; Papovich, C.; Park, Y.; Ravindranath, S.; Renzini, A.; Richardson, M.; Riess, A.; Rosati, P.; Schirmer, M.; Schreier, E.; Somerville, R.S.; Spinrad, H.; Stern, D.; Stiavelli, M.; Strolger, L.; Urry, C.M.; Vandame, B.; Williams, R.; Wolf, C.: "GOODS initial results", VizieR On-line Data Catalog: II/261
- Gieles, M., *Larsen, S.S.*, Scheepmaker, R., et al.: "Observational Evidence for a Truncation of the Star Cluster Initial Mass Function at the High Mass End", astro-ph/0512298
- Hajduk, M.; Zijlstra, A.A.; Herwig, F.; van Hoof, P.A.M.; *Kerber, F.*; Kimeswenger, S.; Pollacco, D.L.; Evans, A.; Lopéz, J.A.; Bryce, M.; Eyres, S.P.S.; Matsuura, M.: "The Real-Time Stellar Evolution of Sakurai's Object", Science, Volume 308, Issue 5719, pp. 231-233
- Hook, R.*; Moller, P.; Ignatius, J.; Vasko, K.; Peron, M.; Quinn, P.: "The Sampo Project", The Messenger, 120, 17
- Käufel, H.-U., Ageorges, N., Bagnulo, S., Hainaut, O., Jehin, E., *Kerber, F.*, LoCurto, G., Marco, O., Pompei, E., Saviane, I., Selman, F., Barrera, L., Böhnhardt, H., Bonev, T., Manfroid, J., Pantin, E., Rauer, H., Weiler, M., Sterken, C., Tozzi, G.P.: "Deep Impact at ESO Telescopes", The Messenger, 121, 11
- Kamp, I.; *Freudling, W.*; Chengalur, J.N.: "HI 21cm Line Emission from Circumstellar Disks", American Astronomical Society Meeting 207, #10.04
- Kerber, F.*, *Bristow, P.*, *Rosa, M.*, Nave, G., Reader, J., Sansonetti, C.J., Lercher, G.: "Characterization of Pt/Cr-Ne Hollow Cathode Lamps for Wavelength Standards in Space Astronomy", 2005 HST Calibration Workshop, A. Koekemoer, L. Dressel & P. Goudfrooij (eds.), STScI

- Kerber, F., Lindler, D., Bristow, P., Lemke, D., Nave, G., Reader, J., Sansonetti, C.J., Rosa, M., Wood, H.J.*: "Performance of the FOS and GHRS Pt/(Cr)-Ne Hollow Cathode Lamps After Their Return from Space and Comparison with Archival Data", 2005 HST Calibration Workshop, A. Koekemoer, L. Dressel & P. Goudfrooij (eds.), STScI
- Kerber, F., Bristow, P., Rosa, M.*: "STIS Calibration Enhancement; Dispersion Solutions Based on a Physical Instrument Model", 2005 HST Calibration Workshop, A. Koekemoer, L. Dressel & P. Goudfrooij (eds.), STScI
- Kerber, F., Hainaut, O.*: "ESA-ESO Working Group on Extra-solar Planets", *The Messenger*, 121, 56
- Kerber, F., Bristow, P.*: "High quality input data for the WIRE instrument model of CRIRES - Refractive index of ZnSe at cryogenic temperatures", ST-ECF Instrument Science Report WIRE 2005-003
- Koekemoer, A.; Fruchter A.S.; Hook, R.N.; Hack, W.; Hanley, C.*: "Multidrizzle and Tweakshifts: Overview and Future Plans", 2005 HST Calibration Workshop, A. Koekemoer, L. Dressel & P. Goudfrooij (eds.), STScI
- Kümmel, M., Larsen, S.S., & Walsh, J.R.*: "Slitless Spectroscopy with the Advanced Camera for Surveys", 2005 HST Calibration Workshop, STScI (astro-ph/0512102)
- Kuntschner, H., Kümmel, M., Larsen, S.S., & Walsh, J.R.*: "Feasibility Study for Science Quality Spectral Extraction of FORS2 MXU data with aXe", ESO internal report
- Larsen, S.S., Brodie, J.P., Strader, J.*: "Globular Clusters in NGC 4365: New K-band imaging and a Reassessment of the Case for Intermediate-Age Clusters", *A&A* 443, 413-433 (astro-ph/0508181)
- Larsen, S.S., Kümmel, M., & Walsh, J.R.*: "Calibration of ACS Prism Slitless Spectroscopy Modes", 2005 HST Calibration Workshop, STScI, astro-ph/0512101
- Larsen, S.S., Walsh, J.R.*: "Updated wavelength calibration for the WFC G800L grism", Instrument Science Report ACS-2005-08
- Larsen, S.S., Bushouse, H., Walsh, J.R.*: "Ground tests of the WFC3 NIR grisms", Instrument Science Report WFC3-2005-07
- Larsen, S.S., Bushouse, H., Walsh, J.R.*: "Ground tests of the WFC3 UVIS grism", Instrument Science Report WFC3-2005-17
- Lucas, R.A.; Stiavelli, M.; Beckwith, S.V.W.; Bergeron, L.E.; Carollo, C.M.; Ferguson, H.C.; Gardner, J.P.; Hook, R.; Kim, S.-Y.; Koekemoer, A.M.; Lilly, S.J.; Mobasher, B.; Panagia, N.; Pavlovsky, C.M.; Rix, H.-W.; Robberto, M.*: "The UDF05 Program: Searching for Galaxies at $z > 6.5$ in the Hubble Ultra-Deep Field", American Astronomical Society Meeting 207, #170.07

- Magrini, L., Corradi, R.L.M., Greimel, R., Leisy, P., Mampaso, A., Perinotto, M., Walsh, J.R., Walton, N.A., Zijlstra, A.A., Minniti, D., Mora, M., "The Local Group Census: searching for planetary nebulae in IC 1613, WLM and GR8", MNRAS, 361, 517
- Malhotra, S., Rhoads, J.E., Pirzkal, N., Haiman, Z., Xu, C., Daddi, E., Yan, H., Bergeron, L.E., Wang, J., Ferguson, H.C., ...Walsh, J.R., ...: "An Overdensity of Galaxies at $z = 5.9 \pm 0.2$ in the Hubble Ultra Deep Field Confirmed Using the ACS Grism", ApJ, 626, 666
- McDermid, R.M., Bacon, R., Kuntschner, H., Emsellem, E., Shapiro, K.L., Bureau, M., Cappellari, M., Davies, R.L., Falcon-Barroso, J., Krajnovic, D., Peletier, R.F., Sarzi, M., de Zeeuw, T.: "Stellar Kinematics and Populations of Early-Type Galaxies with the SAURON and OASIS Integral-Field Spectrographs"; in 'Adaptive Optics-Assisted Integral-Field Spectroscopy', Rutten R.G.M., Benn C.R., Mendez J., eds., May 2005, La Palma (Spain), New Astr. Rev. 49 (2006) 521-535
- Meech, K.J.; Ageorges, N.; A'Hearn, M.F.; Arpigny, C.; Ates, A.; Ayccock, J.; Bagnulo, S.; Bailey, J.; Barber, R.; Barrera, L.; and 199 coauthors: "Deep Impact: Observations from a Worldwide Earth-Based Campaign", Science, Volume 310, Issue 5746, pp. 265-269
- Miralles, J.-M.; Erben, T.; Hämmerle, H.; Schneider, P.; Freudling, W.; Pirzkal, N.; Fosbury, R.A.E.: "Cosmic Shear from STIS pure parallels. III. Analysis of Cycle 9 pure parallels", A&A, 2005, 432, 797
- Mobasher, B.; Dickinson, M.; Ferguson, H.C.; Giavalisco, M.; Wiklind, T.; Stark, D.; Ellis, R.S.; Fall, S.M.; Grogin, N.A.; Moustakas, L.A.; Panagia, N.; Sosey, M.; Stiavelli, M.; Bergeron, E.; Casertano, S.; Ingraham, P.; Koekemoer, A.; Labbé, I.; Livio, M.; Rodgers, B.; Scarlata, C.; Vernet, J.; Renzini, A.; Rosati, P.; Kuntschner, H.; Kümmel, M.; Walsh, J.R.; Chary, R.; Eisenhardt, P.; Pirzkal, N.; Stern, D.: "Evidence for a Massive Poststarburst Galaxy at $z \sim 6.5$ ", The Astrophysical Journal, Volume 635, Issue 2, pp. 832-844
- Mora, M., Larsen, S.S., & Kissler-Patig, M.: "Continuous Star Cluster Formation in the Spiral NGC 45", in: 'Island Universes – Structure and Evolution of Disk Galaxies', astro-ph/0508677
- Pasquali, A., Larsen, S., Ferreras, I., Gnedin, O.Y., Malhotra, S., Rhoads, J.E., Pirzkal, N., Walsh, J.R.: "Discovery of a Solitary Dwarf Galaxy in the APPLES Survey" AJ, 129, 148
- Pavlovsky, C.M.; Kim, S.; Stiavelli, M.; Ferguson, H.C.; Beckwith, S.V.W.; Bergeron, L.E.; Carollo, C.M.; Gardner, J.P.; Hook, R.; Koekemoer, A.; Lilly, S.; Lucas, R.A.; Mobasher, B.; Panagia, N.; Rix, H.-W.; Robberto, M.: "Determining the Contamination in the UDF NICMOS parallel field B,V,I,J,H catalogs", American Astronomical Society Meeting 207, #170.08

- Perryman, M., Hainaut, O., Dravins, D., Leger, A., Quirrenbach, A., Rauer, H., Kerber, F., Fosbury, R.A.E., Bouchy, F., Favata, F., Fridlund, M., Gilmozzi, R., Lagrange, A.-M., Mazeh, T., Rouan, D., Udry, S., Wambsganss, J.: "Report by the ESA-ESO Working Group on Extra-Solar Planets", ESA-ESO Working Groups Report No. 1, astro-ph/0506163
- Piatek, S.; Pryor, C.; Bristow, P.; Olszewski, W.; Harris, H.C.; Mateo, M.; Minniti, D.; Tinney, C.G.: "Proper Motions of Dwarf Spheroidal Galaxies from Hubble Space Telescope Imaging. III. Measurement for Ursa Minor", AJ 130, Issue 1, pp. 95-115
- Pirzkal, N., Sahu, K.C., Burgasser, A., Moustakas, L.A., Xu, C., Malhotra, S., Rhoads, J.E., Koekemoer, A.M., Nelan, E.P., Windhorst, R.A., ...Walsh, J.R., ...: "Stars in the Hubble Ultra Deep Field", ApJ, 622, 319
- Pracy, M.B.; Couch, W.J.; Blake, C.; Bekki, K.; Harrison, C.; Colless, M.; Kuntschner, H.; de Propris, R.: "Spatially resolved spectroscopy of the E+A galaxies in the $z=0.32$ cluster AC 114", Monthly Notices of the Royal Astronomical Society, Volume 359, Issue 4, pp. 1421-1432
- Rauch, T., Kerber, F.: "Spectral Analysis of Central Stars of PNe Interacting with the Interstellar Medium", 14th European Workshop on White Dwarfs, ASP Conference Series, Vol. 334, Proceedings of a meeting held at Kiel, July 19-23, 2004. Edited by D. Koester and S. Moehler. San Francisco: Astronomical Society of the Pacific, p. 329
- Rhoads, J.E., Panagia, N., Windhorst, R.A., Malhotra, S., Pirzkal, N., Xu, C., Strolger, L.G., Bergeron, L.E., Daddi, E., Ferguson, H., ... Walsh, J.R.: "A Redshift $z \sim 5.4$ Ly-alpha Emitting Galaxy with Linear Morphology in the GRAPES/Hubble Ultra Deep Field", ApJ, 621, 528 (or 582?)
- Richtler, T., Dirsch, B., Larsen, S.S., Hilker, M., & Infante, L.: "The Globular Cluster System of NGC 1399. IV. Some Noteworthy Objects", A&A 439, 533-538 (astro-ph/0505320)
- Robson, I., Christensen, L.L., Editors.: Proceedings from the ESO/ESA/IAU Conference, ESO Garching, 14-17 June 2005
- Sarzi, M., Falcon-Barroso, J., Davies, R.L., Bacon, R., Bureau, M., Cappellari, M., de Zeeuw, P.T., Emsellem, E., Fathi, K., Krajnovic, D., Kuntschner, H., McDermid, R.M., Peletier, R.F.: "The SAURON project - V. Integral-field emission-line kinematics of 48 elliptical and lenticular galaxies", astro-ph/0511307
- Siebenmorgen, R.; Freudling, W.; Krügel, E.; Haas, M.: "ISOCAM survey and dust models of 3CR radio galaxies and quasars", In: Proceedings of the dusty and molecular universe: a prelude to Herschel and ALMA, Paris, France. Ed. by A. Wilson. ESA SP-577, Noordwijk, Netherlands: ESA Publications Division, ISBN 92-9092-855-7, p. 325

- Staveley-Smith, L., *Freudling, W.*, Calabretta, M., Catinella, B., van Driel, W., Linder, S., Minchin, R, Momjian, E.: "Gaseous Evolution in Galaxies: The Arecibo Ultra-Deep Survey (AUDS)" in 'The Fabulous Destiny of Galaxies: Bridging Past and Present', Marseille, France
- Stiavelli, M.; Beckwith, S.; Bergeron, L.; Carollo, C.M.; Ferguson, H.C.; *Hook, R.*; Gardner, A.; Koekemoer, A.; Lilly, S.; Lucas, R.; Mobasher, B.; Panagia, N.; Rix, H.W.; Robberto, M.: "Probing the Reionization Era with the Hubble Space Telescope", American Astronomical Society Meeting 207, #100.06
- Tarchi, A., Ott, J., Pasquali, A., Ferreras, I., Castangia, P., & *Larsen, S.S.*: "The Hi Content of the Recently Discovered Field Dwarf Galaxy APPLES 1", A&A 444, 133–136 (astro-ph/0508396)
- Temporin, S.; Staveley-Smith, L.; *Kerber, F.*: "Dynamics and star formation activity of CG J1720-67.8 unveiled through integral field spectroscopy and radio observations", Monthly Notices of the Royal Astronomical Society, Volume 356, Issue 1, pp. 343-358
- Tüllmann, R.; *Rosa, M.R.*; Dettmar, R.-J.: "SOAP and the Interstellar Froth", Extra-Planar Gas, ASP Conference Proceedings, Vol. 331. Edited by Robert Braun. Proceedings of the meeting held at Dwingeloo, the Netherlands, 7-11 June, 2004. San Francisco: Astronomical Society of the Pacific, 2005, p.211
- Vanzella, E.; Cristiani, S.; Dickinson, M.; *Kuntschner, H.*; Moustakas, L.A.; Nonino, M.; Rosati, P.; Stern, D.; Cesarsky, C.; Etori, S.; Ferguson, H.C.; *Fosbury, R.A.E.*; Giavalisco, M.; *Haase, J.*; Renzini, A.; Rettura, A.; Serra, P.; The Goods Team: "The Great Observatories Origins Deep Survey. VLT/FORS2 spectroscopy in the GOODS-South Field", A&A, 2005, 434, 53
- Villar-Martin, M., Sanchez, S.F., De Breuck, C., Peletier, R., Vernet, J., Rettura, A., Seymour, N., Humphrey, A., Stern, D., di Serego Alighieri, S., *Fosbury, R.A.E.*: "VIMOS-VLT and Spitzer observations of a radio galaxy at $z=2.5$ ", astro-ph/0510733
- Walsh, J.R.*, *Kümmel, M.*, & *Larsen, S.S.*: "Recent Developments of the ACS Spectral Extraction Software aXe", 2005 HST Calibration Workshop, STScI, astro-ph/0512100
- Walsh, J.R.*, Pirzkal, N.: "Flat field and sensitivity calibration for ACS G800L slitless spectroscopy modes", Instrument Science Report ACS-2005-02