

Galaxien und Kosmologie / Galaxies / Cosmology (2002)

Refereed Papers

Aguerri, J. A. L. and I. Trujillo: Restrictions to the galaxy evolutionary models from the Hawaiian deep fields SSA13 and SSA22. Monthly Notices of the Royal Astronomical Society **333**, 633-641 (2002)

Anderson, D., A. Anghel, K. Yumoto, M. Ishitsuka and E. Kudeki: Estimating daytime vertical ExB drift velocities in the equatorial F-region using ground-based magnetometer observations. Geophysical Research Letters **29**, 37-1 (2002)

Bailer-Jones, C. A. L.: Dust clouds or magnetic spots? Exploring the atmospheres of L dwarfs with time-resolved spectrophotometry. Astronomy and Astrophysics **389**, 963-976 (2002)

Böker, T., S. Laine, R. P. van der Marel, M. Sarzi, H.-W. Rix, L. C. Ho and J. C. Shields: A Hubble Space Telescope census of nuclear star clusters in late-type spiral galaxies. I. Observations and image analysis. The Astronomical Journal **123**, 1389-1410 (2002)

Carilli, C. L., D. E. Harris, L. Pentericci, H. J. A. Röttgering, G. K. Miley, J. D. Kurk and W. van Breugel: The X-ray-radio alignment in the z=2.2 radio galaxy PKS 1138-262. The Astrophysical Journal **567**, 781-789 (2002)

Dieball, A., H. Müller and E. K. Grebel: Binary and multiple clusters in the LMC. VizieR Online Data Catalog **339**, 10547 (2002)

Dieball, A., H. Müller and E. K. Grebel: A statistical study of binary and multiple clusters in the LMC. Astronomy and Astrophysics **391**, 547-564 (2002)

Efremov, Y. N., S. A. Pustilnik, A. Y. Kniazev, B. G. Elmegreen, S. S. Larsen, E. J. Alfaro, P. W. Hodge, A. G. Pramsky and T. Richtler: 6-m telescope spectroscopic observations of the bubble complex in NGC 6946. Astronomy and Astrophysics **389**, 855-870 (2002)

Fan, X., V. K. Narayanan, M. A. Strauss, R. L. White, R. H. Becker, L. Pentericci and H.-W. Rix: Evolution of the ionizing background and the epoch of reionization from the spectra of z~6 quasars. The Astronomical Journal **123**, 1247-1257 (2002)

Gray, M. E., A. N. Taylor, K. Meisenheimer, S. Dye, C. Wolf and E. Thommes: Probing the distribution of dark matter in the A901/902 supercluster with weak lensing. The Astrophysical Journal **568**, 141-162 (2002)

Gutiérrez, C., M. Azzaro and F. Prada: The properties of satellite galaxies in external systems. I. Morphology and structural parameters. The Astrophysical Journal Supplement Series **141**, 61-79 (2002)

Gutiérrez, C., M. López-Corredoira, F. Prada and M. C. Eliche: New light and shadows on Stephan's quintet. The Astrophysical Journal **579**, 592-599 (2002)

Hall, P. B., S. F. Anderson, M. A. Strauss, D. G. York, G. T. Richards, X. Fan, G. R. Knapp, D. P. Schneider, D. E. Vanden Berk, T. R. Geballe, A. E. Bauer, R. H. Becker, M. Davis, H.-W. Rix, R. C. Nichol, N. A. Bahcall, J. Brinkmann, R. Brunner, A. J. Connolly, I. Csabai, M. Doi, M. Fukugita, J. E. Gunn, Z. Haiman, M. Harvanek, T. M. Heckman, G. S. Hennessy, N. Inada, Z. Ivezic, D. Johnston, S. Kleinman, J. H. Krolik, J. Krzesinski, P. Z. Kunszt, D. Q. Lamb, D. C. Long, R. H. Lupton, G. Miknaitis, J. A. Munn, V. K. Narayanan, E. Neilsen, P. R. Newman, A. Nitta, S. Okamura, L. Pentericci, J. R. Pier, D. J. Schlegel, S. Snedden, A. S. Szalay, A. R. Thakar, Z. Tsvetanov, R. L. White and W. Zheng: Unusual broad absorption line quasars from the Sloan Digital Sky Survey. The Astrophysical Journal

Supplement Series **141**, 267-309 (2002)

Herbst, W., C. A. L. Bailer-Jones, R. Mundt, K. Meisenheimer and R. Wackermann: Stellar rotation and variability in the Orion nebula cluster. *Astronomy and Astrophysics* **396**, 513-532 (2002)

Herbst, W., C. A. L. Bailer-Jones, R. Mundt, K. Meisenheimer and R. Wackermann: Stellar rotation in the Orion nebula cluster. *VizieR Online Data Catalog* **339**, 60513 (2002)

Herbst, W., C. M. Hamilton, F. J. Vrba, M. A. Ibrahimov, C. A. L. Bailer-Jones, R. Mundt, M. Lamm, T. Mazeh, Z. T. Webster, K. E. Haisch, E. C. Williams, A. H. Rhodes, T. J. Balonek, A. Scholz and A. Riffeser: Fine structure in the circumstellar environment of a young, solar-like star: The unique eclipses of KH 15D. *Publications of the Astronomical Society of the Pacific* **114**, 1167-1172 (2002)

Ho, L. C., M. Sarzi, H.-W. Rix, J. C. Shields, G. Rudnick, A. V. Filippenko and A. J. Barth: An efficient strategy to select targets for gasdynamical measurements of black hole masses using the Hubble Space Telescope. *Publications of the Astronomical Society of the Pacific* **114**, 137-143 (2002)

Hujeirat, A., M. Camenzind and A. Burkert: Comptonization and synchrotron emission in 2D accretion flows. I. A new numerical solver for the Kompaneets equation. *Astronomy and Astrophysics* **386**, 757-762 (2002)

Hujeirat, A., M. Camenzind and M. Livio: Ion-dominated plasma and the origin of jets in quasars. *Astronomy and Astrophysics* **394**, L9-L13 (2002)

Jesseit, R., T. Naab and A. Burkert: The validity of the adiabatic contraction approximation for dark matter halos. *The Astrophysical Journal* **571**, L89-L92 (2002)

Jester, S., H.-J. Röser, K. Meisenheimer and R. Perley: X-rays from the jet in 3C 273: Clues from the radio-optical spectra. *Astronomy and Astrophysics* **385**, L27-L30 (2002)

Karachentsev, I. D., A. E. Dolphin, D. Geisler, E. K. Grebel, P. Guhathakurta, P. W. Hodge, V. E. Karachentseva, A. Sarajedini, P. Seitzer and M. E. Sharina: The M 81 group of galaxies: New distances, kinematics and structure. *Astronomy and Astrophysics* **383**, 125-136 (2002)

Karachentsev, I. D., M. E. Sharina, A. E. Dolphin, E. K. Grebel, D. Geisler, P. Guhathakurta, P. W. Hodge, V. E. Karachentseva, A. Sarajedini and P. Seitzer: New distances to galaxies in the Centaurus A group. *Astronomy and Astrophysics* **385**, 21-31 (2002)

Karachentsev, I. D., M. E. Sharina, D. I. Makarov, A. E. Dolphin, E. K. Grebel, D. Geisler, P. Guhathakurta, P. W. Hodge, V. E. Karachentseva, A. Sarajedini and P. Seitzer: The very local Hubble flow. *Astronomy and Astrophysics* **389**, 812-824 (2002)

Kasper, M. E., M. Feldt, T. M. Herbst, S. Hippler, T. Ott and L. E. Tacconi-Garman: Spatially resolved imaging spectroscopy of T Tauri. *The Astrophysical Journal* **568**, 267-272 (2002)

Lehár, J., E. E. Falco, C. S. Kochanek, B. A. McLeod, J. A. Muñoz, C. D. Impey, H.-W. Rix, C. R. Keeton and D. C. Y. Peng: Erratum: "Hubble Space Telescope observations of 10 two-image gravitational lenses". *The Astrophysical Journal* **571**, 1021 (2002)

Makarova, L. N., E. K. Grebel, I. D. Karachentsev, A. E. Dolphin, V. E. Karachentseva, M. E. Sharina, D. Geisler, P. Guhathakurta, P. W. Hodge, A. Sarajedini and P. Seitzer: Tidal dwarfs in the M81 group: The second generation? *Astronomy and Astrophysics* **396**, 473-487 (2002)

Makarova, L. N., E. K. Grebel, I. D. Karachentsev, A. E. Dolphin, V. E. Karachentseva, M. E. Sharina, D. Geisler, P. Guhathakurta, P. W. Hodge, A. Sarajedini and P. Seitzer: VI photometry in M81 group. *VizieR Online Data Catalog* **339**,

60473 (2002)

Makarova, L. N., I. D. Karachentsev, E. K. Grebel and O. Y. Barsunova: Surface photometry of new nearby dwarf galaxies. *Astronomy and Astrophysics* **384**, 72-80 (2002)

Marchesini, D., E. D'Onghia, G. Chincarini, C. Firmani, P. Conconi, E. Molinari and A. Zacchei: H α rotation curves: The soft core question. *The Astrophysical Journal* **575**, 801-813 (2002)

McKay, T. A., E. S. Sheldon, D. Johnston, E. K. Grebel, F. Prada, H.-W. Rix, N. A. Bahcall, J. Brinkmann, I. Csabai, M. Fukugita, D. Q. Lamb and D. G. York: Dynamical confirmation of Sloan Digital Sky Survey weak-lensing scaling laws. *The Astrophysical Journal* **571**, L85-L88 (2002)

Miceli, A., D. Q. Lamb, D. Zucker, K. Covey, J. Dembicky and N. C. Hastings: GRB020531 optical observations. *GRB Coordinates Network* **1416**, 1 (2002)

Newberg, H. J., B. Yanny, C. Rockosi, E. K. Grebel, H.-W. Rix, J. Brinkmann, I. Csabai, G. Hennessy, R. B. Hindsley, R. Ibata, Z. Ivezic, D. Lamb, E. T. Nash, M. Odenkirchen, H. A. Rave, D. P. Schneider, J. A. Smith, A. Stolte and D. G. York: The ghost of Sagittarius and lumps in the halo of the Milky Way. *The Astrophysical Journal* **569**, 245-274 (2002)

O'Dell, C. R., B. Balick, A. R. Hajian, W. J. Henney and A. Burkert: Knots in nearby planetary nebulae. *The Astronomical Journal* **123**, 3329-3347 (2002)

Odenkirchen, M., E. K. Grebel, W. Dehnen, H.-W. Rix and K. M. Cudworth: Kinematic study of the disrupting globular cluster Palomar 5 using VLT spectra. *The Astronomical Journal* **124**, 1497-1510 (2002)

Odenkirchen, M. and C. Soubiran: NGC 6994 –clearly not a physical stellar ensemble. *Astronomy and Astrophysics* **383**, 163-170 (2002)

Ofek, E. O., H.-W. Rix, D. Maoz and F. Prada: A survey for large-separation lensed FIRST quasars –II. Magnification bias and redshift distribution. *Monthly Notices of the Royal Astronomical Society* **337**, 1163-1168 (2002)

Paunzen, E., G. Handler, W. W. Weiss, N. Nesvacil, A. Hempel, E. Romero-Colmenero, F. F. Vuthela, P. Reegen, R. R. Shobbrook and D. Kilkenny: On the period-luminosity-colour-metallicity relation and the pulsational characteristics of λ Bootis type stars. *Astronomy and Astrophysics* **392**, 515-528 (2002)

Peng, C. Y., L. C. Ho, C. D. Impey and H.-W. Rix: Detailed structural decomposition of galaxy images. *The Astronomical Journal* **124**, 266-293 (2002)

Pentericci, L., X. Fan, H.-W. Rix, M. A. Strauss, V. K. Narayanan, G. T. Richards, D. P. Schneider, J. Krolik, T. Heckman, J. Brinkmann, D. Q. Lamb and G. P. Szokoly: VLT optical and near-infrared observations of the $z = 6.28$ quasar SDSS J1030+0524. *The Astronomical Journal* **123**, 2151-2158 (2002)

Pentericci, L., J. D. Kurk, C. L. Carilli, D. E. Harris, G. K. Miley and H. J. A. Röttgering: A Chandra study of X-ray sources in the field of the $z = 2.16$ radio galaxy MRC 1138-262. *Astronomy and Astrophysics* **396**, 109-115 (2002)

Prada, F. and A. Burkert: The fundamental line of the local group satellites. *The Astrophysical Journal* **564**, L73-L76 (2002)

Pustilnik, S. A., A. Y. Kniazev, V. A. Lipovetsky and A. V. Ugrumov: Blue compact galaxies from SBS. *VizieR Online Data Catalog* **337**, 30024 (2002)

Pustilnik, S. A., A. Y. Kniazev, J. Masegosa, I. M. Márquez, A. G. Pramskij and A. V. Ugrumov: The metallicities of UM 151, UM 408 and A 1228+12 revisited. *Astronomy and Astrophysics* **389**, 779-786 (2002)

Richer, M. G., G. Tovmassian, G. Stasinska, R. F. Jameson, P. D. Dobbie, C. Veillet, C. Gutierrez and F. Prada: The α -element abundances in the most oxygen-

poor planetary nebula PNG 135.9+55.9. *Astronomy and Astrophysics* **395**, 929-941 (2002)

Rockosi, C. M., M. Odenkirchen, E. K. Grebel, W. Dehnen, K. M. Cudworth, J. E. Gunn, D. G. York, J. Brinkmann, G. S. Hennessy and Z. Ivezic: A matched-filter analysis of the tidal tails of the globular cluster Palomar 5. *Astronomical Journal* **124**, 349-363 (2002)

Sahai, R., S. Brillant, M. Livio, E. K. Grebel, W. Brandner, S. Tingay, L.-A. Nyman and . Proper motions in the knotty, bipolar jet in Henize 2-90. The Astrophysical Journal **573**, L123-L127 (2002)

Sarajedini, A., E. K. Grebel, A. E. Dolphin, P. Seitzer, D. Geisler, P. Guhathakurta, P. W. Hodge, I. D. Karachentsev, V. E. Karachentseva and M. E. Sharina: The stellar populations of the Cetus dwarf spheroidal galaxy. *The Astrophysical Journal* **567**, 915-921 (2002)

Sarzi, M., H.-W. Rix, J. C. Shields, D. H. McIntosh, L. C. Ho, G. Rudnick, A. V. Filippenko, W. L. W. Sargent and A. J. Barth: Limits on the mass of the central black hole in 16 nearby bulges. *The Astrophysical Journal* **567**, 237-246 (2002)

Slyz, A. D., J. E. G. Devriendt, J. Silk and A. Burkert: Forming stars on a viscous time-scale: The key to exponential stellar profiles in disc galaxies? *Monthly Notices of the Royal Astronomical Society* **333**, 894-910 (2002)

Smith, G. H. and A. Burkert: On the low-mass end of the globular cluster luminosity function. *The Astrophysical Journal* **578**, L51-L54 (2002)

Stolte, A., E. K. Grebel, W. Brandner and D. F. Figer: The mass function of the Arches cluster from Gemini adaptive optics data. *Astronomy and Astrophysics* **394**, 459-478 (2002)

Stoughton, C., R. H. Lupton, M. Bernardi, M. R. Blanton, S. Burles, F. J. Castander, A. J. Connolly, D. J. Eisenstein, J. A. Frieman, G. S. Hennessy, R. B. Hindsley, Z. Ivezic, S. Kent, P. Z. Kunszt, B. C. Lee, A. Meiksin, J. A. Munn, H. J. Newberg, R. C. Nichol, T. Nicinski, J. R. Pier, G. T. Richards, M. W. Richmond, D. J. Schlegel, J. A. Smith, M. A. Strauss, M. SubbaRao, A. S. Szalay, A. R. Thakar, D. L. Tucker, D. E. Vanden Berk, B. Yanny, J. K. Adelman, J. E. Anderson, Jr. , S. F. Anderson, J. Annis, N. A. Bahcall, J. A. Bakken, M. Bartelmann, S. Bastian, A. Bauer, E. Berman, H. Böhringer, W. N. Boroski, S. Bracker, C. Briegel, J. W. Briggs, J. Brinkmann, R. Brunner, L. Carey, M. A. Carr, B. Chen, D. Christian, P. L. Colestock, J. H. Crocker, I. Csabai, P. C. Czarapata, J. Dalcanton, A. F. Davidsen, J. E. Davis, W. Dehnen, S. Dodelson, M. Doi, T. Dombeck, M. Donahue, N. Ellman, B. R. Elms, M. L. Evans, L. Eyer, X. Fan, G. R. Federwitz, S. Friedman, M. Fukugita, R. Gal, B. Gillespie, K. Glazebrook, J. Gray, E. K. Grebel, B. Greenawalt, G. Greene, J. E. Gunn, E. de Haas, Z. Haiman, M. Haldeman, P. B. Hall, M. Hamabe, B. Hansen, F. H. Harris, H. Harris, M. Harvanek, S. L. Hawley, J. J. E. Hayes, T. M. Heckman, A. Helmi, A. Henden, C. J. Hogan, D. W. Hogg, D. J. Holmgren, J. Holtzman, C.-H. Huang, C. Hull, S.-I. Ichikawa, T. Ichikawa, D. E. Johnston, G. Kauffmann, R. S. J. Kim, T. Kimball, E. Kinney, M. Klaene, S. J. Kleinman, A. Klypin, G. R. Knapp, J. Korienek, J. Krolik, R. G. Kron, J. Krzesinski, D. Q. Lamb, R. F. Leger, S. Limmongkol, C. Lindenmeyer, D. C. Long, C. Loomis, J. Loveday, B. MacKinnon, E. J. Mannery, P. M. Mantsch, B. Margon, P. McGehee, T. A. McKay, B. McLean, K. Menou, A. Merelli, H. J. Mo, D. G. Monet, O. Nakamura, V. K. Narayanan, T. Nash, E. H. Neilsen, Jr. , P. R. Newman, A. Nitta, M. Odenkirchen, N. Okada, S. Okamura, J. P. Ostriker, R. Owen, A. G. Pauls, J. Peoples, R. S. Peterson, D. Pet travick, A. Pope, R. Pordes, M. Postman, A. Prosapio, T. R. Quinn, R. Rechenmacher, C. H. Rivetta, H.-W. Rix, C. M. Rockosi, R. Rosner, K. Ruthmansdorfer, D. Sandford, D. P. Schneider, R. Scranton, M. Sekiguchi, G. Sergey, R. Sheth, K. Shimasaku, S. Smee, S. A. Snedden, A. Stebbins, C. Stubbs, I. Szapudi, P. Szkody, G. P. Szokoly, S. Tabachnik, Z. Tsvetanov, A. Uomoto, M. S. Vogeley, W. Voges, P. Waddell, R. Walterbos, S.-i. Wang, M. Watanabe, D. H. Weinberg, R. L. White, S. D. M. White, B. Willhite, D. Wolfe, N. Yasuda, D. G. York, I. Zehavi and W. Zheng: Sloan Digital Sky Survey: Early data release. *The Astronomical Journal* **123**, 485-548 (2002)

Torres, S., E. García-Berro, A. Burkert and J. Isern: High-proper-motion white dwarfs and halo dark matter. Monthly Notices of the Royal Astronomical Society **336**, 971-978 (2002)

Tuffs, R. J., C. C. Popescu, D. Pierini, H. J. Völk, H. Hippelein, K. Leech, L. Metcalfe, I. Heinrichsen and C. Xu: Erratum: "Far-infrared photometry of a statistical sample of late-type Virgo cluster galaxies". The Astrophysical Journal Supplement Series **140**, 609 (2002)

Tuffs, R. J., C. C. Popescu, D. Pierini, H. J. Völk, H. Hippelein, K. Leech, L. Metcalfe, I. Heinrichsen and C. Xu: Far-infrared photometry of a statistical sample of late-type Virgo cluster galaxies. The Astrophysical Journal Supplement Series **139**, 37-79 (2002)

Venemans, B. P., J. D. Kurk, G. K. Miley, H. J. A. Röttgering, W. van Breugel, C. L. Carilli, C. De Breuck, H. Ford, T. Heckman, P. McCarthy and L. Pentericci: The most distant structure of galaxies known: A protocluster at $z = 4.1$. The Astrophysical Journal **569**, L11-L14 (2002)

Villar-Martín, M., J. Vernet, S. di Serego Alighieri, R. Fosbury, L. Pentericci, M. Cohen, R. Goodrich and A. Humphrey: Giant low surface brightness haloes in distant radio galaxies: USS0828+193. Monthly Notices of the Royal Astronomical Society **336**, 436-444 (2002)

Winn, J. N., C. S. Kochanek, B. A. McLeod, E. E. Falco, C. D. Impey and H.-W. Rix: PKS 1830 -211: A face-on spiral galaxy lens. The Astrophysical Journal **575**, 103-110 (2002)

Wolf, S. and H. Klahr: Large-scale vortices in protoplanetary disks: On the observability of possible early stages of planet formation. The Astrophysical Journal **578**, L79-L82 (2002)

Zaritsky, D., J. Harris, I. B. Thompson, E. K. Grebel and P. Massey: The magellanic clouds photometric survey: The Small Magellanic Cloud Stellar Catalog and extinction map. The Astronomical Journal **123**, 855-872 (2002)

Invited Papers and Reviews

Bailer-Jones, C. A. L.: Automated stellar classification for large surveys: A review of methods and results. In: Automated data analysis in astronomy, (Eds.) R. Gupta, H. P. Singh, C. A. L. Bailer-Jones. Narosa Pub. House, 83 (2002)

Burkert, A.: Star formation in turbulent molecular clouds. In: Modes of star formation and the origin of field populations, (Eds.) E. K. Grebel, W. Brandner. ASP Conf. Ser. **285**, ASP, 3 (2002)

Grebel, E. K.: Modes of star formation in dwarf spheroidal galaxies. In: Modes of star formation and the origin of field populations, (Eds.) E. Grebel, W. Brandner. ASP Conf. Ser. **285**, ASP, 349 (2002)

Contributed Papers

Andersen, D. and M. A. Bershady: The intrinsic ellipticity of spiral disks. In: Disks of galaxies: Kinematics, dynamics and perturbations, (Eds.) E. Athanassoula, A. Bosma, R. Mujica. ASP Conf. Ser. **275**, ASP, 39-42 (2002)

Andersen, D. R. and M. A. Bershady: Densepak $H\alpha$ velocity fields of face-on disk galaxies. Bulletin of the American Astronomical Society **34**, 1219 (2002)

Bailer-Jones, C. A. L.: Photometric variability and rotation of ultra cool dwarfs. Bulletin of the American Astronomical Society **34**, 731 (2002)

Bailer-Jones, C. A. L.: Determination of stellar parameters with GAIA. Astrophysics and Space Science **280**, 21-29 (2002)

Bailer-Jones, C. A. L., R. Gupta and H. P. Singh: An introduction to artificial neural networks. In: Automated data analysis in astronomy, (Eds.) R. Gupta, H. P. Singh, C. A. L. Bailer-Jones. Narosa Publ. House, 51 (2002)

Barrado y Navascués, D., M. R. Zapatero Osorio, V. Béjar, R. Rebolo, E. L. Martín, R. Mundt and C. A. L. Bailer-Jones: VLT/FORS spectroscopy in σ Orionis: Isolated planetary mass candidate members. In: The origins of stars and planets: The VLT view, (Eds.) J. F. Alves, M. J. McCaughrean. ESO Astrophysics Symposia, Springer, 195-200 (2002)

Baumann, O., H.-J. Röser, C. Tschamber, M. R. S. Hawkins and H. MacGillivray: Deep photographic cluster survey –DPCS. In: Tracing cosmic evolution with galaxy clusters, (Eds.) S. Borgani, M. Mezzetti, R. Valdarnini. ASP Conf. Ser. **268**, ASP, 333 (2002)

Beckwith, S. V. W., H.-W. Rix, C. Peng, D. McIntosh, J. Caldwell, K. Meisenheimer, C. Wolf, L. Wisotzki, A. Borch, B. Haeussler, M. Barden and G. Collaboration: Galaxy evolution from morphology and SEDs (GEMS): A large, multi-color mosaic with HST's advanced camera for surveys. Bulletin of the American Astronomical Society **34**, 1154 (2002)

Bershady, M., M. Verheijen and D. Andersen: WIYN integral-field kinematics of disk galaxies. In: Disks of galaxies: Kinematics, dynamics and perturbations, (Eds.) E. Athanassoula, A. Bosma, R. Mujica. ASP Conf. Ser. **275**, ASP, 43-46 (2002)

Bertschik, M. and A. Burkert: Minor mergers of galaxies: Theory vs. observations. In: Galaxy evolution, theory and observations, (Eds.) J. Alves, M. J. McCaughrean. Proceedings of the ESO Workshop, ESO, 7 (2002)

Bertschik, M. and A. Burkert: Minor mergers of galaxies: Theory and observations. Astrophysics and Space Science **281**, 405-406 (2002)

Burkert, A. M. and P. Bodenheimer: Core collapse and the formation of binaries. In: The origins of stars and planets: The VLT view, (Eds.) J. F. Alves, M. J. McCaughrean. ESO Astrophysics Symposia, Springer, 101-104 (2002)

D'Onghia, E., A. Burkert and G. Murante: The angular momentum of the gas in galactic halos: Implications for the formation of spiral galaxies in CDM models. Bulletin of the American Astronomical Society **201**, 1277 (2002)

Datta, S., L. Pittroff, P. Guhathakurta, E. Grebel and D. Harbeck: Keck spectroscopy of red giants in the M31 dSph satellites: Chemical abundance spread. Bulletin of the American Astronomical Society **201**, 1120 (2002)

de Jong, R. S., E. F. Bell, S. Courteau and R. P. Olling: Stellar mass-to-light ratios and rotation curves of spiral galaxies. Bulletin of the American Astronomical Society **201**, 1114 (2002)

Dib, S. and A. Burkert: Thermal instability in the interstellar medium and structure formation. In: SF2A -2002: Semaine de l'Astrophysique Francaise, (Eds.) F. Combes, D. Barret. EdP-Sciences conference series 25 (2002)

Dirsch, B., T. Richtler, D. Geisler, K. Gebhardt, L. Infante, D. Minniti, M. Hilker, M. Rejkuba, E. K. Grebel, S. Larsen and M. V. Alonso: The mass profile of NGC 1399 determined from globular cluster dynamics. Revista Mexicana de Astronomía y Astrofísica. Conference Series **14**, 38-38 (2002)

Fan, X., V. K. Narayanan, M. A. Strauss, R. H. Lupton, R. H. Becker, R. L. White, L. Pentericci and H.-W. Rix: $z \sim 6$ quasars from the SDSS: Probing the end of the dark ages. In: Lighthouses of the universe: The most luminous celestial objects and their use for cosmology, Proceedings of the MPA/ESO 309 (2002)

Fan, X., M. A. Strauss, D. P. Schneider, R. H. Becker, R. L. White, V. K. Narayanan, G. T. Richards, L. Pentericci, E. Grebel and S. Collaboration: New $z > 6$ quasars discovered in the Sloan Digital Sky Survey. Bulletin of the American Astronomical Society **201**, 1288 (2002)

Förster Schreiber, N. M., I. Labbé, M. Franx, P. van der Werf, H. Röttgering, L. van Starkenburg, A. van de Wel, P. van Dokkum, K. Kuijken, A. Moorwood, H.-W. Rix and G. Rudnick: FIRES: First results of the MS 1054-03 field. In: A new era in cosmology, (Eds.) N. Metcalfe, T. Shanks. ASP Conf. Ser. **283**, ASP, 115 -116 (2002)

Gallagher, J. S. and E. K. Grebel: Extragalactic star clusters: Speculations on the future. In: Extragalactic star clusters, (Eds.) D. Geisler, E. Grebel, D. Minniti. Proc. of IAU Symp. **207**, ASP, 745 (2002)

Geisler, D., E. K. Grebel and D. Minniti: Preface: Extragalactic star clusters. In: Extragalactic star clusters, (Eds.) D. Geisler, E. Grebel, D. Minniti. Proceedings of IAU Symp. **207**, ASP, XVIII -XIX (2002)

Geyer, M. P. and A. Burkert: Formation of globular clusters in turbulent molecular clouds. In: Extragalactic star clusters, (Eds.) D. Geisler, E. Grebel, D. Minniti. Proceedings of IAU Symp. **207**, ASP, 678-680 (2002)

Grebel, E. K.: Star clusters in irregular galaxies in the local group. In: Extragalactic star clusters, (Eds.) D. Geisler, E. K. Grebel, D. Minniti. Proceedings of IAU Symp. **207**, ASP, 94-103 (2002)

Grebel, E. K., J. S. Gallagher and D. Harbeck: The progenitors of dwarf spheroidal galaxies. Bulletin of the American Astronomical Society **201**, 1294 (2002)

Grebel, E. K., M. Odenkirchen and D. Harbeck: The structure of the sextans dwarf spheroidal galaxy from SDSS data. Bulletin of the American Astronomical Society **200**, 717 (2002)

Hamilton, C. M., W. Herbst, C. A. L. Bailer-Jones and R. Mundt: Accretion and outflow signatures observed in a weak-lined T Tauri star? The special case of KH 15D. Bulletin of the American Astronomical Society **201**, 1134 (2002)

Hamilton, C. M., W. Herbst, A. Rhodes, C. A. L. Bailer-Jones, R. Mundt, F. J. Vrba, T. Mazeh, T. von Hippel, R. Crowe, M. Ibrimahov, K. Haisch, Z. Webster and A. Scholz: Detection of significant structure in the circumstellar disk of a pre-main sequence star. Bulletin of the American Astronomical Society **200**, 659 (2002)

Harbeck, D., E. K. Grebel, J. Holtzman, D. Geisler and A. Sarajedini: Wide-field imaging of the local group dwarf spheroidal galaxy sextans. In: Modes of star formation and the origin of field populations, (Eds.) E. K. Grebel, W. Brandner. ASP Conf. Ser. **285**, ASP, 230-233 (2002)

Harbeck, D., G. H. Smith and E. K. Grebel: External enrichment processes in 47 Tuc? Bulletin of the American Astronomical Society **200**, 657 (2002)

Harbeck, D.-R.: Chemical inhomogeneities in the old stellar populations of the local group. Bulletin of the American Astronomical Society **201**, 1276 (2002)

Heitsch, F. and A. Burkert: Alfvén-wave driven turbulence in molecular clouds. In: Modes of star formation and the origin of field populations, (Eds.) E. K. Grebel, W. Brandner. ASP Conf. Ser. **285**, ASP, 13 -17 (2002)

Hubin, N., E. Marchetti, E. Fedrigo, R. Conan, R. Ragazzoni, E. Diolaiti, M. Tordi, G. Rousset, T. Fusco, P.-Y. Madec, D. Butler, H. Stefan and S. Esposito: The ESO demonstrator MAD: A european collaboration. In: Beyond conventional adaptive optics, (Eds.) E. Vernet, R. Ragazzoni, S. Esposito, N. Hubin. ESO Conference and Workshop Proceedings **58**, ESO, 27 (2002)

Jester, S., H.-J. Röser, K. Meisenheimer and R. Perley: X-Rays from the jet in 3C 273: Clues from the radio-optical spectra. In: Lighthouses of the Universe: The most luminous celestial objects and their use for cosmology, Proceedings of the MPA/ESO 273 (2002)

Kessel-Deynet, O. and A. Burkert: Dynamics of molecular clouds under the influence of ionizing radiation from young massive stars. Revista Mexicana de Astronomía y Astrofísica. Conference Series **12**, 25-26 (2002)

Khochfar, S. and A. Burkert: The galaxy merger rate in different quintessence cosmologies. In: A new era in cosmology, (Eds.) N. Metcalfe, T. Shanks. ASP Conf. Ser. **283**, ASP, 339-340 (2002)

Kimball, A. E., T. A. McKay, H.-W. Rix, E. Grebel and E. S. Sheldon: Population studies of galaxies satellites in the Sloan Digital Sky Survey. Bulletin of the American Astronomical Society **201**, 1115 (2002)

Kleinheinrich, M., T. Erben, K. Meisenheimer, H.-W. Rix, M. Schirmer, P. Schneider and C. Wolf: Galaxy-galaxy lensing in the COMBO-17 survey. In: Galaxy evolution, theory and observations, 34 (2002)

Kniazev, A. Y., E. K. Grebel, S. A. Pustilnik and A. G. Pramskij: Toward establishing a complete sample of low surface brightness galaxies. Bulletin of the American Astronomical Society **201**, 1195 (2002)

Kranz, T., A. D. Slyz and H.-W. Rix: The stellar mass density within spiral galaxy disks. In: Disks of galaxies: Kinematics, dynamics and perturbations, (Eds.) E. Athanassoula, A. Bosma, R. Mujica. ASP Conf. Ser. **275**, ASP, 35-38 (2002)

Kurk, J. D., L. Pentericci, H. J. A. Röttgering and G. K. Miley: Observations of radio galaxy MRC 1138-262: Merging galaxies embedded in a giant Ly alpha halo. Revista Mexicana de Astronomía y Astrofísica. Conference Series **13**, 191-195 (2002)

Kurk, J. D., B. P. Venemans, H. J. A. Röttgering, G. K. Miley and L. Pentericci: A search for high redshift clusters associated with radio galaxies at $2 < z < 4$. In: Tracing cosmic evolution with galaxy clusters, (Eds.) S. Borgani, M. Mezzetti, R. Valdarnini. ASP Conf. Ser. **268**, ASP, 23-26 (2002)

Lamm, M., R. Mundt, C. A. L. Bailer-Jones and W. Herbst: Variability and rotation of pre-main sequence stars in NGC2264. Bulletin of the American Astronomical Society **200**, 758 (2002)

Lee, H., E. K. Grebel and P. W. Hodge: The chemical abundances of southern dwarf irregular galaxies. Bulletin of the American Astronomical Society **201**, 1121 (2002)

Ligori, S., T. M. Herbst and M. Robberto: Thermal IR imaging of W51-IRS2. In: Hot star workshop III: The earliest phases of massive star birth, (Ed.) P. A. Crowther. ASP Conf. Ser. **267**, ASP, 383-384 (2002)

Maier, C. M.: Mapping acidalia mensa: Redefining northern plains units and possible deformation history. In: Lunar and Planetary Institute Conference Abstracts, Annual Lunar and Planetary Institute Conference Abstracts **33**, 1360 (2002)

Majewski, S. R., J. N. Bahcall, D. Geisler, W. Gieren, E. Grebel, C. Grillmair, M. Irwin, K. V. Johnston, R. J. Patterson, N. I. Reid, D. Spergel and S. Tremaine: Taking measure of the milky way. In: Science with the space interferometry mission, (Eds.) S. Unwin, S. Turyshev, 15 (2002)

Mühlbauer, G. and W. Dehnen: Kinematic response of the outer stellar disk to a Central Bar. In: Disks of galaxies: Kinematics, dynamics and perturbations, (Eds.) E. Athanassoula, A. Bosma, R. Mujica. ASP Conf. Ser. **275**, ASP, 133 (2002)

Odenkirchen, M., E. K. Grebel, W. Dehnen, H.-W. Rix, C. Wolf and C. M. Rockosi: Tidal tails of the globular cluster Pal 5 detected with SDSS commissioning data. In: Modes of star formation and the origin of field populations, (Eds.) E. Grebel, W. Brandner. ASP Conf. Ser. **285**, ASP, 184-187 (2002)

Odenkirchen, M., E. K. Grebel, W. Dehnen, H. W. Rix, C. M. Rockosi, H. Newberg and B. Yanny: The extended tails of Palomar 5: A ten degree arc of globular cluster tidal debris. Bulletin of the American Astronomical Society **200**, 657 (2002)

Orio, M., D. Harbeck, J. Gallagher and C. Woodward: V838 Monocerotis. International Astronomical Union Circular **7892**, 1 (2002)

Patat, F., P. Meikle and J. Aceituno: Supernova 2002el in NGC 6986. International

Astronomical Union Circular **7954**, 2 (2002)

Pentericci, L., J. D. Kurk, H. J. A. Röttgering, G. K. Miley and B. P. Venemans:
 The population of galaxies in the forming cluster around the radio galaxy MRC 1138-262 at
 $z = 2.2$. In: Tracing cosmic evolution with galaxy clusters, (Eds.) S. Borgani, M. Mezzetti, R.
 Valdarnini. **268**, ASP, 27-30 (2002)

Pittroff, L., P. Guhathakurta, S. Datta, E. Grebel and S. Vogt: Keck spectroscopy of
 red giants in the M31 dSph satellites: Dynamics. Bulletin of the American Astronomical
 Society **201**, 1120 (2002)

*Richtler, T., B. Dirsch, D. Geisler, K. Gebhardt, M. Hilker, L. Infante, D. Minniti,
 M. Rejkuba, J. C. Forte, S. Larsen, E. K. Grebel and V. Alonso:* Spectroscopy of
 globular clusters in NGC 1399 – a progress report. In: Extragalactic star clusters, (Eds.) D.
 Geisler, E. K. Grebel, D. Minniti. Proceedings of IAU Symp. **207**, ASP, 263-268 (2002)

Rix, H.-W.: Conference summary. In: Disks of galaxies: Kinematics, dynamics and
 perturbations, (Eds.) E. Athanassoula, A. Bosma, R. Mujica. ASP Conf. Ser. **275**, ASP, 455-
 460 (2002)

*Robberto, M., S. V. W. Beckwith, S. Ligori, T. M. Herbst, A. Custo, P. Boccacci
 and M. Bertero:* Mid-IR imaging of the BN/KL region. Revista Mexicana de Astronomía y
 Astrofísica. Conference Series **12**, 40 (2002)

Singh, H. P., C. A. L. Bailer-Jones and R. Gupta: Principal component analysis and its
 application to stellar spectra. In: Automated data analysis in astronomy, (Eds.) R. Gupta, H.
 P. Singh, C. A. L. Bailer-Jones. Narosa Publ. House, 69-82 (2002)

Stolte, A., E. K. Grebel, W. Brandner and D. F. Figer: Infrared imaging of the Arches
 cluster –Adaptive optics in the densest region of the Milky Way. In: Extragalactic star
 clusters, (Eds.) D. Geisler, E. K. Grebel, D. Minniti. Proceedings of IAU Symp. **207**, ASP,
 132-137 (2002)

Stolte, A., R. Ibata, H.-W. Rix, B. Yanny and Z. Ivezic: Constraints on the Sagittarius
 dwarf galaxy's tidal stream. In: Modes of star formation and the origin of field populations,
 (Eds.) E. K. Grebel, W. Brandner. ASP Conf. Ser. **285**, ASP, 195-198 (2002)

*Tuffs, R. J., C. C. Popescu, H. J. Völk, D. Pierini, H. Hippelein, K. Leech, L.
 Metcalfe, I. Heinrichsen and C. Xu:* ISOPHOT observations of late-type Virgo cluster
 galaxies. In: Tracing cosmic evolution with galaxy clusters, (Eds.) S. Borgani, M. Mezzetti, R.
 Valdarnini. ASP Conf. Ser. **268**, ASP, 449 (2002)

*Zheng, W., H. Ford, Z. Tsvetanov, A. Davidsen, A. Szalay, J. Kruk, G. Hartig, P.
 Stockman, M. Postman, H.-W. Rix, R. Lenzen and P. Shu:* Search for the first
 quasars and supernovae. In: Lighthouses of the universe: The most luminous celestial
 objects and their use for cosmology, Proceedings of the MPA/ESO, 323 (2002)

Ziegler, M. and A. Burkert: The velocity structure of molecular cloud cores. In: Modes of
 star formation and the origin of field populations, (Eds.) E. K. Grebel, W. Brandner. ASP
 Conf. Ser. **285**, ASP, 18-20 (2002)

Conference Proceedings and Books

Geisler, D., E. K. Grebel and D. Minniti (Eds.): Extragalactic star clusters. Proceedings
 of IAU Symp. 207. ASP, San Francisco 2002, 778p

Grebel, E. K. and W. Brandner (Eds.): Modes of star formation and the origin of field
 populations. ASP Conf. Ser. 285. ASP, San Francisco 2002, 457p

Gupta, R., H. P. Singh and C. A. L. Bailer-Jones (Eds.): Automated data analysis in
 astronomy. Narosa Publ. House, New Delhi ; London 2002, 364p

Popular Papers

Harbeck, D., E. K. Grebel and G. H. Smith: Evidence for external enrichment processes in the globular cluster 47 Tuc? The Messenger **108**, 26 (2002)

Labbé, I., M. Franx, E. Daddi, G. Rudnick, P. G. van Dokkum, A. Moorwood, N. M. Förster Schreiber, H.-W. Rix, P. van der Werf, H. Röttgering, L. van Starkenburg, A. van de Wel, I. Trujillo and K. Kuijken: Fires: Ultradeep near-infrared imaging with ISAAC of the Hubble deep field south. The Messenger **110**, 38 (2002)

Meisenheimer, K. and C. Wolf: COMBO-17: Fifty thousand galaxies at a glance. Astronomy and Geophysics **43**, 3.15-3.21 (2002)

Meisenheimer, K. and C. Wolf: Zehntausende Galaxien auf einen Blick. Sterne und Weltraum **41**, 22 (2002)

Pentericci, L., H. W. Rix, X. Fan and M. Strauss: The VLT and the most distant quasars. The Messenger **108**, 24 (2002)

Verantwortlich / Responsible: Axel M. Quetz
Letzte Änderung / Last updated: 19. Oktober 2006