



## CENTRO DE ASTROFISICA FONDAP Publicaciones ISI

Año: 2008

1. Hitschfeld, M., Aravena, M., Kramer, C., Bertoldi, F., Stutzki, J., Bensch, F., **Bronfman, L.**, Cubick, M., Fujishita, M., Fukui, Y., Graf, U., Honingh, N., Ito, S., Jakob, H., Jacobs, K., Klein, U., Koo, B.-C., **May, J.**, Miller, M., Miyamoto, Y., Mizuno, N., Onishi, T., Park, Y.-S., Pineda, J., Rabanus, D., Röllig, M., Sasago, H., Schieder, R., Simon, R., Sun, K., Volgenau, N., Yamamoto, H., Yonekura, Y., 2008 " $^{12}\text{CO}$  4-3 and [CI] 1-0 at the centers of NGC 4945 and Circinus".  
*Astronomy and Astrophysics*, 479, 75-82.
2. Vázquez, R., **May, J.**, Carraro, G., **Bronfman, L.**, Moitinho, A., Baume, G., 2008 "Spiral Structure in the Outer Galactic Disk. I. The Third Galactic Quadrant".  
*The Astrophysical Journal*, 672, 930-939.
3. **Bronfman, L.**, **Garay, G.**, *Merello, M.*, **Mardones, D.**, **May, J.**, Brooks, K., Nyman, L., Güsten, R., 2008 "Discovery of an Extremely High Velocity, Massive, and Compact Molecular Outflow in Norma".  
*The Astrophysical Journal*, 672, 391-397.
4. **Bronfman, L.**, 2008 "Massive star formation in the southern Milky Way. From large scale surveys to high resolution observations".  
*Astrophysics and Space Science*, 313, 81-85.
5. Kramer, C., Cubick, M., Röllig, M., Sun, K., Yonekura, Y., Aravena, M., Bensch, F., Bertoldi, F., **Bronfman, L.**, Fujishita, M., Fukui, Y., Graf, U. U., Hitschfeld, M., Honingh, N., Ito, S., Jakob, H., Jacobs, K., Klein, U., Koo, B.-C., **May, J.**, Miller, M., Miyamoto, Y., Mizuno, N., Onishi, T., Park, Y.-S., Pineda, J. L., Rabanus, D., Sasago, H., Schieder, R., Simon, R., Stutzki, J., Volgenau, N., Yamamoto, H., 2008 "Clumpy photon-dominated regions in Carina. I. [C I] and mid-J CO lines in two  $4' \times 4'$  fields".  
*Astronomy and Astrophysics*, 477, 547-555.
6. Lee, M., Hwang, H., Kim, S., Park, H., **Geisler, D.**, Sarajedini, A., Harris, W., 2008 "Wide-Field Survey of Globular Clusters in M31. II. Kinematics of the Globular Cluster System".  
*The Astrophysical Journal*, 674, 886-908.
7. *Sabogal, B. E.*, **Mennickent, R. E.**, **Pietrzynski, G.**, *García, J. A.*, **Gieren, W.**, Kolaczowski, Z., 2008 "A catalogue of Be stars in the direction of the Galactic Bulge".  
*Astronomy and Astrophysics*, 478, 659-665.



8. **Gieren, W., Pietrzynski, G.,** Soszynski, I., Bresolin, F., Kudritzki, R., Storm, J., **Minniti, D.,** 2008 "The Araucaria Project: Near-Infrared Photometry of Cepheid Variables in the Sculptor Galaxy NGC 55".  
The Astrophysical Journal, 672, 266-273.
9. Willis, J. P., Courbin, F., Kneib, J.-P., **Minniti, D.,** 2008 "ZEN2: a narrow J-band search for  $z \sim 9$  Ly $\alpha$  emitting galaxies directed towards three lensing clusters".  
Monthly Notices of the Royal Astronomical Society, 384, 1039-1044
10. Andreon, S., de Propris, R., Puddu, E., Giordano, L., **Quintana, H.,** 2008 "Scaling relations of the colour-detected cluster RzCS 052 at  $z = 1.016$  and some other high-redshift clusters".  
Monthly Notices of the Royal Astronomical Society, 383, 102-112.
11. Gilbank, David G., Yee, H. K. C., Ellingson, E., Gladders, M. D., Loh, Y.-S., **Barrientos, L. F.,** Barkhouse, W. A., 2008 "The Red-Sequence Luminosity Function in Galaxy Clusters since  $z \sim 1$ ".  
The Astrophysical Journal, 673, 742-751.
12. **Cabrera, G. F., Casassus, S.,** Hitschfeld, N., 2008 "Bayesian Image Reconstruction Based on Voronoi Diagrams".  
The Astrophysical Journal, 672, 1272-1285.
13. Stahl, O., **Casassus, S.,** Wilson, T., 2008 "Interstellar  $^{12}\text{C}/^{13}\text{C}$  from CH $^+$  absorption lines: results from an extended survey".  
Astronomy and Astrophysics, 477, 865-875.
14. Oguri, M., Inada, N., **Clocchiatti, A.,** Kayo, I., Shin, M., Hennawi, J., Strauss, M., Morokuma, T., Schneider, D., York, D., 2008 "Discovery of Four Gravitationally Lensed Quasars from the Sloan Digital Sky Survey".  
The Astronomical Journal, 135, 520-526.
15. Oguri, M., Inada, N., Strauss, M., Kochanek, C., Richards, G., Schneider, D., Becker, R., Fukugita, M., Gregg, M., Hall, P., Hennawi, J., Johnston, D., Kayo, I., Keeton, C., Pindor, B., Shin, M., Turner, E., White, R., York, D., Anderson, S., Bahcall, N., Brunner, R., Burles, S., Castander, F., Chiu, K., **Clocchiatti, A.,** Eisenstein, D., Frieman, J., Kawano, Y., Lupton, R., Morokuma, T., Rix, H., Scranton, R., Sheldon, E., 2008 "The Sloan Digital Sky Survey Quasar Lens Search. III. Constraints on Dark Energy from the Third Data Release Quasar Lens Catalog".  
The Astronomical Journal, 135, 512-519.



16. Inada, N., Oguri, M., Becker, R., Shin, M., Richards, G., Hennawi, J., White, R., Pindor, B., Strauss, M., Kochanek, C., Johnston, D., Gregg, M., Kayo, I., Eisenstein, D., Hall, P., Castander, F., **Clocchiatti, A.**, Anderson, S., Schneider, D., York, D., Lupton, R., Chiu, K., Kawano, Y., Scranton, R., Frieman, J., Keeton, C., Morokuma, T., Rix, H., Turner, E., Burles, S., Brunner, R., Sheldon, E., Bahcall, N., Masataka, F., 2008 "The Sloan Digital Sky Survey Quasar Lens Search. II. Statistical Lens Sample from the Third Data Release".  
The Astronomical Journal, 135, 496-511.
17. Väisänen, P., Mattila, S., Kniazev, A., Adamo, A., Efstathiou, A., Farrah, D., Johansson, P. H., Östlin, G., Buckley, D. A. H., Burgh, E. B., Crause, L., Hashimoto, Y., **Lira, P.**, Loaring, N., Nordsieck, K., Romero-Colmenero, E., Ryder, S., Still, M., Zijlstra, A., 2008 "Adaptive optics imaging and optical spectroscopy of a multiple merger in a luminous infrared galaxy".  
Monthly Notices of the Royal Astronomical Society, 384, 886-906.
18. **Lira, P.**, *Gonzalez-Corvalan, V.*, Ward, M., *Hoyer, S.*, 2008 "An infrared study of the double nucleus in NGC3256"  
Monthly Notices of the Royal Astronomical Society, 384, 316-322.
19. *Francke, H.*, Gawiser, E., **Lira, P.**, Treister, E., Virani, S., Cardamone, C., Urry, C., van Dokkum, P., Quadri, R., 2008 "Clustering of Intermediate-Luminosity X-Ray-Selected Active Galactic Nuclei at  $z \sim 3$ ".  
The Astrophysical Journal, 673, L13-L16.
20. Zharikov, S. V., Shibanov, Yu. A., **Mennickent, R. E.**, Komarova, V. N., 2008 "Possible optical detection of a fast, nearby radio pulsar PSR B1133+16"  
Astronomy and Astrophysics, 479, 793-803.
21. **Mennickent, R.**, Greiner, J., Arenas, J., Tovmassian, G., Mason, E., Tappert, C., Papadaki, C., 2008 "The remarkable properties of the symbiotic star AE Circinus".  
Monthly Notices of the Royal Astronomical Society, 383, 845-856.
22. Teng, S., Veilleux, S., Wilson, A., Young, A., Sanders, D., **Nagar, N.**, 2008 "XMM-Newton Detection of a Compton-thick AGN in the 1 Jy ULIRG/LINER F04103-2838".  
The Astrophysical Journal, 674, 133-141.



23. Gaudi, B. S., Bennett, D. P., Udalski, A., Gould, A., Christie, G. W., Maoz, D., Dong, S., McCormick, J., Szymanski, M. K., Tristram, P. J., Nikolaev, S., Paczynski, B., Kubiak, M., **Pietrzynski, G.**, Soszynski, I., Szewczyk, O., Ulaczyk, K., Wyrzykowski, L., Depoy, D. L., Han, C., Kaspi, S., Lee, C.-U., Mallia, F., Natusch, T., Pogge, R. W., Park, B.-G., Abe, F., Bond, I. A., Botzler, C. S., Fukui, A., Hearnshaw, J. B., Itow, Y., Kamiya, K., Korpela, A. V., Kolmartin, P. M., Lin, W., Masuda, K., Matsubara, Y., Motomura, M., Muraki, Y., Nakamura, S., Okumura, T., Ohnishi, K., Rattenbury, N. J., Sako, T., Saito, T., Sato, S., Skuljan, L., Sullivan, D. J., Sumi, T., Sweatman, W. L., Yock, P. C. M., Albrow, M. D., Allan, A., Beaulieu, J.-P., Burgdorf, M. J., Cook, K. H., Coutures, C., Dominik, M., Dieters, S., Fouque, P., Greenhill, J., Horne, K., Steele, I., Tsapras, Y., Chaboyer, B., Crocker, A., Frank, S., Macintosh, B., 2008 "Discovery of a Jupiter/Saturn analog with gravitational microlensing."  
Science, 319, 927-930.
24. **Richtler, T.**, Schuberth, Y., Hilker, M., Dirsch, B., Bassino, L., **Romanowsky, A.**, 2008 "The dark matter halo of NGC 1399 - CDM or MOND?"  
Astronomy and Astrophysics, 478, L23-L26.
25. Schuberth, Y., **Richtler, T.**, Bassino, L., Hilker, M., 2008 "Intra-cluster globular clusters around NGC 1399 in Fornax?"  
Astronomy and Astrophysics, 477, L9-L12.
26. Noordermeer, E., Merrifield, M. R., Coccato, L., Arnaboldi, M., Capaccioli, M., Douglas, N. G., Freeman, K. C., Gerhard, O., Kuijken, K., de Lorenzi, F., Napolitano, N. R., **Romanowsky, A.**, 2008 "Testing the nature of S0 galaxies using planetary nebula kinematics in NGC 1023".  
Monthly Notices of the Royal Astronomical Society, 384, 943-952.
27. Cortes, P. C., Crutcher, R. M., Shepherd, D. S., **Bronfman, L.**, 2008 "Interferometric Mapping of Magnetic Fields: The Massive Star-forming Region G34.4+0.23 MM".  
The Astrophysical Journal, 676, 464-471.
28. Pineda, J. L., Mizuno, N., Stutzki, J., Cubick, M., Aravena, M., Bensch, F., Bertoldi, F., **Bronfman, L.**, Fujishita, K., Graf, U. U., Hitschfeld, M., Honingh, N., Jakob, H., Jacobs, K., Kawamura, A., Klein, U., Kramer, C., **May, J.**, Miller, M., Mizuno, Y., Müller, P., Onishi, T., Ossenkopf, V., Rabanus, D., Röllig, M., **Rubio, M.**, Sasago, H., Schieder, R., Simon, R., Sun, K., Volgenau, N., Yamamoto, H., Fukui, Y., 2008 "Submillimeter line emission from LMC N159W: a dense, clumpy PDR in a low metallicity environment".  
Astronomy and Astrophysics, 482, 197-208.
29. **Galaz, G.**, Cortés, P., **Bronfman, L.**, **Rubio, M.**, 2008 "<sup>12</sup>CO(3-2) Emission in Spiral Galaxies: Warm Molecular Gas in Action?"  
The Astrophysical Journal, 677, L13-L16.

30. Minamidani, T., Mizuno, N., Mizuno, Y., Kawamura, A., Onishi, T., Hasegawa, T., Tatematsu, K., Ikeda, M., Moriguchi, Y., Yamaguchi, N., Ott, J., Wong, T., Muller, E., Pineda, J., Hughes, A., Staveley-Smith, L., Klein, U., Mizuno, A., **Nikolić, S.**, Booth, R., Heikkilä, A., Nyman, L., Lerner, M., **Garay, G.**, Kim, S., Fujishita, M., Kawase, T., **Rubio, M.**, Fukui, Y., 2008 "Submillimeter Observations of Giant Molecular Clouds in the Large Magellanic Cloud: Temperature and Density as Determined from J=3-2 and J=1-0 Transitions of CO".  
The Astrophysical Journal Supplement Series, 175, 485-508.
31. Rodríguez, L. F., Moran, J. M., Franco-Hernández, R., **Garay, G.**, Brooks, K., **Mardones, D.**, 2008 "The Collimated Jet Source in IRAS 16547-4247: Time Variation, Possible Precession, and Upper Limits to the Proper Motions Along the Jet Axis".  
The Astronomical Journal, 135, 2370-2379.
32. Udalski, A., Pont, F., Naef, D., Melo, C., Bouchy, F., Santos, N. C., Moutou, C., Díaz, R. F., **Gieren, W.**, Gillon, M., *Hoyer, S.*, Mayor, M., Mazeh, T., **Minniti, D.**, **Pietrzyński, G.**, Queloz, D., *Ramirez, S.*, **Ruiz, M. T.**, Shporer, A., Tamuz, O., Udry, S., **Zoccali, M.**, Kubiak, M., Szymański, M. K., Soszyński, I., Szewczyk, O., Ulaczyk, K., Wyrzykowski, Ł., 2008 "OGLE-TR-211 - a new transiting inflated hot Jupiter from the OGLE survey and ESO LP666 spectroscopic follow-up program"  
Astronomy and Astrophysics, 482, 299-304.
33. **Pietrzyński, G.**, **Gieren, W.**, Szewczyk, O., Walker, A., Rizzi, L., Bresolin, F., Kudritzki, R., Nalewajko, K., Storm, J., Dall'Ora, M., Ivanov, V., 2008 "The Araucaria Project: the Distance to the Sculptor Dwarf Spheroidal Galaxy from Infrared Photometry of RR Lyrae Stars".  
The Astronomical Journal, 135, 1993-1997.
34. Castro, N., Herrero, A., Garcia, M., Trundle, C., Bresolin, F., **Gieren, W.**, **Pietrzyński, G.**, Kudritzki, R.-P., Demarco, R., 2008 "The Araucaria Project: VLT-spectroscopy of blue massive stars in NGC 55".  
Astronomy and Astrophysics, 485, 41-50.
35. Szewczyk, O., **Pietrzyński, G.**, **Gieren, W.**, Storm, J., Walker, A., Rizzi, L., Kinemuchi, K., Bresolin, F., Kudritzki, R., Dall'Ora, M., 2008 "The Araucaria Project. The Distance of the Large Magellanic Cloud from Near-Infrared Photometry of RR Lyrae Variables".  
The Astronomical Journal, 136, 272-279.
36. Kudritzki, R., Urbaneja, M., Bresolin, F., Przybilla, N., **Gieren, W.**, **Pietrzyński, G.**, 2008 "Quantitative Spectroscopy of 24 A Supergiants in the Sculptor Galaxy NGC 300: Flux-weighted Gravity-Luminosity Relationship, Metallicity, and Metallicity Gradient".  
The Astrophysical Journal, 681, 269-289.



37. Bradley, L. D., Bouwens, R. J., Ford, H. C., Illingworth, G. D., Jee, M. J., Benítez, N., Broadhurst, T. J., Franx, M., Frye, B. L., **Infante, L.**, Motta, V., Rosati, P., White, R. L., Zheng, W., 2008 "Discovery of a Very Bright Strongly Lensed Galaxy Candidate at  $z \sim 7.6$ ".  
The Astrophysical Journal, 678, 647-654.
38. Smith Castelli, A., Bassino, L., **Richtler, T.**, Cellone, S., *Aruta, C.*, **Infante, L.**, 2008 "Galaxy populations in the Antlia cluster - I. Photometric properties of early-type galaxies".  
Monthly Notices of the Royal Astronomical Society, 386, 2311-2322.
39. *Blanc, G.*, **Lira, P.**, **Barrientos, L. F.**, *Aguirre, P.*, *Francke, H.*, Taylor, E., Quadri, R., Marchesini, D., **Infante, L.**, Gawiser, E., Hall, P., Willis, J., Herrera, D., **Maza, J.**, 2008 "The Multiwavelength Survey by Yale-Chile (MUSYC): Wide K-Band Imaging, Photometric Catalogs, Clustering, and Physical Properties of Galaxies at  $z \sim 2$ ".  
The Astrophysical Journal, 681, 1099-1115.
40. **Lopez, S.**, **Barrientos, L. F.**, **Lira, P.**, **Padilla, N.**, Gilbank, D. G., Gladders, M. D., **Maza, J.**, *Tejos, N.*, *Vidal, M.*, Yee, H. K. C., 2008 "Galaxy Clusters in the Line of Sight to Background Quasars. I. Survey Design and Incidence of Mg II Absorbers at Cluster Redshifts".  
The Astrophysical Journal, 679, 1144-1161.
41. Masetti, N., Mason, E., **Morelli, L.**, Cellone, S. A., McBride, V. A., Palazzi, E., Bassani, L., Bazzano, A., Bird, A. J., Charles, P. A., Dean, A. J., **Galaz, G.**, Gehrels, N., Landi, R., Malizia, A., **Minniti, D.**, Panessa, F., Romero, G. E., Stephen, J. B., Ubertini, P., Walter, R., 2008 "Unveiling the nature of INTEGRAL objects through optical spectroscopy. VI. A multi-observatory identification campaign".  
Astronomy and Astrophysics, 482, 113-132.
42. Rest, A., Matheson, T., Blondin, S., Bergmann, M., Welch, D. L., Suntzeff, N. B., Smith, R. C., Olsen, K., Prieto, J. L., Garg, A., Challis, P., Stubbs, C., Hicken, M., Modjaz, M., Wood-Vasey, W. M., Zenteno, A., Damke, G., Newman, A., Huber, M., Cook, K. H., Nikolaev, S., Becker, A. C., Miceli, A., Covarrubias, R., **Morelli, L.**, Pignata, G., **Clocchiatti, A.**, **Minniti, D.**, Foley, R. J., 2008 "Spectral Identification of an Ancient Supernova Using Light Echoes in the Large Magellanic Cloud".  
The Astrophysical Journal, 680, 1137-1148.
43. **Zoccali, M.**, Hill, V., Lecureur, A., Barbuy, B., Renzini, A., **Minniti, D.**, Gómez, A., Ortolani, S., 2008 "The metal content of bulge field stars from FLAMES-GIRAFFE spectra. I. Stellar parameters and iron abundances".  
Astronomy and Astrophysics, 486, 177-189.



44. Rest, A., Welch, D. L., Suntzeff, N. B., Ooster, L., Lanning, H., Olsen, K., Smith, R. C., Becker, A. C., Bergmann, M., Challis, P., **Clocchiatti, A.**, Cook, K. H., Damke, G., Garg, A., Huber, M. E., Matheson, T., **Minniti, D.**, Prieto, J. L., Wood-Vasey, W. M., 2008 "Scattered-Light Echoes from the Historical Galactic Supernovae Cassiopeia A and Tycho (SN 1572)".  
The Astrophysical Journal, 681, L81-L84.
45. Díaz, R. F., **Rojo, P.**, Melita, M., *Hoyer, S.*, **Minniti, D.**, Mauas, P., **Ruiz, M. T.**, 2008 "Detection of Period Variations in Extrasolar Transiting Planet OGLE-TR-111b".  
The Astrophysical Journal, 682, L49-L52.
46. Paron, S., Dubner, G., Reynoso, E., **Rubio, M.**, 2008 "High-resolution CO observations towards the bright eastern knot of the SNR Puppis A".  
Astronomy and Astrophysics, 480, 439-443.
47. Peña, M., **Ruiz, M. T.**, **Rojo, P.**, Torres-Peimbert, S., Hamann, W., 2008 "A New Outburst in the Extraordinary Central Star of LMC-N661".  
The Astrophysical Journal, 680, L109-L111.
48. Gilbank, D., Yee, H. K. C., Ellingson, E., Hicks, A. K., Gladders, M. D., **Barrientos, L. F.**, Keeney, B., 2008 "A  $z = 0.9$  Supercluster of X-Ray Luminous, Optically Selected, Massive Galaxy Clusters".  
The Astrophysical Journal, 677, L89-L92.
49. Cain, B., Gilbank, D., Bautz, M. W., Hicks, A., Yee, H. K. C., Gladders, M., Ellingson, E., **Barrientos, L. F.**, Garmire, G. P., 2008 "Evidence for Line-of-Sight Structure in a Comparison of X-Ray and Optical Observations of the High-Redshift Cluster RCS 043938-2904.7".  
The Astrophysical Journal, 679, 293-300.
50. Loh, Y., Ellingson, E., Yee, H. K. C., Gilbank, D. G., Gladders, M. D., **Barrientos, L. F.**, 2008 "The Color Bimodality in Galaxy Clusters since  $z \sim 0.9$ ".  
The Astrophysical Journal, 680, 214-223.
51. **Clocchiatti, A.**, Wheeler, J. C., Kirshner, R., Branch, D., Challis, P., Chevalier, R., Filippenko, A., Fransson, C., Garnavich, P., Leibundgut, B., Panagia, N., Phillips, M., Suntzeff, N., Höflich, P., Gallardo, J., 2008 "Late-Time HST Photometry of SN 1994I: Hints of Positron Annihilation Energy Deposition".  
Publications of the Astronomical Society of the Pacific, 120, 290-300.

52. Becker, A. C., Arraki, K., Kaib, N. A., Wood-Vasey, W. M., Aguilera, C., Blackman, J. W., Blondin, S., Challis, P., **Clocchiatti, A.**, Covarrubias, R., Damke, G., Davis, T. M., Filippenko, A. V., Foley, R. J., Garg, A., Garnavich, P. M., Hicken, M., Jha, S., Kirshner, R. P., Krisciunas, K., Leibundgut, B., Li, W., Matheson, T., Miceli, A., Miknaitis, G., Narayan, G., Pignata, G., Prieto, J. L., Rest, A., Riess, A. G., Salvo, M. E., Schmidt, B. P., Smith, R. C., Sollerman, J., Spyromilio, J., Stubbs, C. W., Suntzeff, N. B., Tonry, J. L., Zenteno, A., 2008 "Exploring the Outer Solar System with the ESSENCE Supernova Survey".  
The Astrophysical Journal, 682, L53-L56.
53. Taubenberger, S., Hachinger, S., Pignata, G., Mazzali, P. A., *Contreras, C.*, Valenti, S., Pastorello, A., Elias-Rosa, N., Bärnbantner, O., Barwig, H., Benetti, S., Dolci, M., Fliri, J., Folatelli, G., Freedman, W. L., Gonzalez, S., **Hamuy, M.**, Krzeminski, W., Morrell, N., Navasardyan, H., Persson, S. E., Phillips, M. M., Ries, C., Roth, M., Suntzeff, N. B., Turatto, M., Hillebrandt, W., 2008 "The underluminous Type Ia supernova 2005bl and the class of objects similar to SN 1991bg".  
Monthly Notices of the Royal Astronomical Society, 385, 75-96.
54. Kriek, M., van Dokkum, P., Franx, M., Illingworth, G., Marchesini, D., Quadri, R., Rudnick, G., Taylor, E., Förster Schreiber, N., Gawiser, E., Labbé, I., **Lira, P.**, Wuyts, S., 2008 "A Near-Infrared Spectroscopic Survey of K-selected Galaxies at  $z \sim 2.3$ : Redshifts and Implications for Broadband Photometric Studies".  
The Astrophysical Journal, 677, 219-237.
55. Cardamone, C., Urry, C. M., Damen, M., van Dokkum, P., Treister, E., Labbé, I., Virani, S. N., **Lira, P.**, Gawiser, E., 2008 "Mid-Infrared Properties and Color Selection for X-Ray-Detected Active Galactic Nuclei in the MUSYC Extended Chandra Deep Field-South".  
The Astrophysical Journal, 680, 130-142.
56. Burwitz, V., Reinsch, K., Greiner, J., Meyer-Hofmeister, E., Meyer, F., Walter, F. M., **Mennickent, R. E.**, 2008 "Variability in the cycle length of the supersoft source RX J0513.9-6951".  
Astronomy and Astrophysics, 481, 193-198.
57. *Nespoli, E.*, Fabregat, J., **Mennickent, R. E.**, 2008 "Unveiling the nature of six HMXBs through IR spectroscopy".  
Astronomy and Astrophysics, 486, 911-917.
58. *Lagos, C.*, Cora, S., **Padilla, N.**, 2008 "Effects of AGN feedback on  $\Lambda$ CDM galaxies".  
Monthly Notices of the Royal Astronomical Society, 388, 587-602.
59. Bassino, L., **Richtler, T.**, Dirsch, B., 2008 "VLT photometry in the Antlia cluster: the giant ellipticals NGC3258 and NGC3268 and their globular cluster systems".  
Monthly Notices of the Royal Astronomical Society, 386, 1145-1156.



60. Kuehn, C., Kinemuchi, K., Ripepi, V., Clementini, G., Dall'Ora, M., Di Fabrizio, L., Rodgers, C., Greco, C., Marconi, M., Musella, I., Smith, H., **Catelan, M.**, Beers, T., Pritzl, B., 2008 "Variable Stars in the Newly Discovered Milky Way Dwarf Spheroidal Satellite Canes Venatici I".  
The Astrophysical Journal, 674, L81-L84.
61. *Moni-Bidin, C.*, **Catelan, M.**, Altmann, M., 2008 "Is a binary fraction-age relation responsible for the lack of EHB binaries in globular clusters?".  
Astronomy and Astrophysics, 480, L1-L4.
62. Greco, C., Dall'Ora, M., Clementini, G., Ripepi, V., Di Fabrizio, L., Kinemuchi, K., Marconi, M., Musella, I., Smith, H., Rodgers, C., Kuehn, C., Beers, T., **Catelan, M.**, Pritzl, B., 2008 "On the Newly Discovered Canes Venatici II dSph Galaxy".  
The Astrophysical Journal, 675, L73-L76.
63. Corwin, T. M., Borissova, J., Stetson, P., **Catelan, M.**, Smith, H. A., Kurtev, R., Stephens, A., 2008 "The Globular Cluster M15. I. Identification, Discovery, and Period Determination of Variable Stars".  
The Astronomical Journal, 135, 1459-1473.
64. **Catelan, M.**, *Cortés, C.*, 2008 "Evidence for an Overluminosity of the Variable Star RR Lyrae, and a Revised Distance to the LMC".  
The Astrophysical Journal, 676, L135-L138.
65. *Cortés, C.*, **Catelan, M.**, 2008 "The RR Lyrae Period-Luminosity-(Pseudo)Color and Period-Color-(Pseudo)Color Relations in the Strömgen Photometric System: Theoretical Calibration".  
The Astrophysical Journal Supplement Series, 177, 362-372.
66. *Valcarce, A.*, **Catelan, M.**, 2008 "A semi-empirical study of the mass distribution of horizontal branch stars in M 3 (NGC 5272)".  
Astronomy and Astrophysics, 487, 185-195.
67. **Padilla, N.**, Strauss, M., 2008 "The shapes of galaxies in the Sloan Digital Sky Survey".  
Monthly Notices of the Royal Astronomical Society, 388, 1321-1334.
68. Blondin, S., Davis, T. M., Krisciunas, K., Schmidt, B. P., Sollerman, J., Wood-Vasey, W. M., Becker, A. C., Challis, P., **Clocchiatti, A.**, Damke, G., Filippenko, A. V., Foley, R. J., Garnavich, P. M., Jha, S. W., Kirshner, R. P., Leibundgut, B., Li, W., Matheson, T., Miknaitis, G., Narayan, G., Pignata, G., Rest, A., Riess, A. G., Silverman, J. M., Smith, R. C., Spyromilio, J., Stritzinger, M., Stubbs, C. W., Suntzeff, N. B., Tonry, J. L., Tucker, B. E., Zenteno, A., 2008 "Time Dilation in Type Ia Supernova Spectra at High Redshift".  
The Astrophysical Journal, 682, 724-736.



69. Pignata, G., Benetti, S., Mazzali, P. A., Kotak, R., Patat, F., Meikle, P., Stehle, M., Leibundgut, B., Suntzeff, N. B., Buson, L. M., Cappellaro, E., **Clocchiatti, A., Hamuy, M., Maza, J.**, Mendez, J., Ruiz-Lapuente, P., Salvo, M., Schmidt, B. P., Turatto, M., Hillebrandt, W., 2008 "Optical and infrared observations of SN 2002dj: some possible common properties of fast-expanding Type Ia supernovae". *Monthly Notices of the Royal Astronomical Society*, 388, 971-990.
70. Pont, F., Tamuz, O., Udalski, A., Mazeh, T., Bouchy, F., Melo, C., Naef, D., Santos, N. C., Moutou, C., Diaz, R. F., **Gieren, W.**, Gillon, M., *Hoyer, S.*, Kubiak, M., Mayor, M., **Minniti, D., Pietrzynski, G.**, Queloz, D., *Ramirez, S.*, **Ruiz, M. T.**, Shporer, A., Soszynski, I., Szewczyk, O., Szymanski, M. K., Udry, S., Ulaczyk, K., Wyrzykowski, L., **Zoccali, M.**, 2008 "A transiting planet among 23 new near-threshold candidates from the OGLE survey - OGLE-TR-182". *Astronomy and Astrophysics*, 487, 749-754.
71. Lee, M., Park, H., Kim, E., Hwang, H., Kim, S., **Geisler, D.**, 2008 "Washington CCD Photometry of the Globular Cluster System of the Giant Elliptical Galaxy M60 in Virgo". *The Astrophysical Journal*, 682, 135-154.
72. Piatti, A., **Geisler, D.**, Sarajedini, A., Gallart, C., Wischnjewsky, M., 2008 "Seven young star clusters in the inner region of the Small Magellanic Cloud". *Monthly Notices of the Royal Astronomical Society*, 389, 429-440
73. Mieske, S., Hilker, M., Jordán, A., **Infante, L.**, Kissler-Patig, M., Rejkuba, M., **Richtler, T.**, Côté, P., Baumgardt, H., West, M. J., Ferrarese, L., Peng, E. W., 2008 "The nature of UCDs: Internal dynamics from an expanded sample and homogeneous database". *Astronomy and Astrophysics*, 487, 921-935.
74. Hoyos, J., **Reisenegger, A.**, Valdivia, J. A., 2008 "Magnetic field evolution in neutron stars: one-dimensional multi-fluid model". *Astronomy and Astrophysics*, 487, 789-803.
75. Martín-Hernández, N. L., Bik, A., Puga, E., Nürnberger, D. E. A., **Bronfman, L.**, 2008 "Spatially resolved near-infrared spectroscopy of the massive star-forming region IRAS 19410+2336". *Astronomy and Astrophysics*, 489, 229-243.
76. **Gieren, W., Pietrzynski, G.**, Szewczyk, O., Soszynski, I., Bresolin, F., Kudritzki, R., Urbaneja, M., Storm, J., **Minniti, D.**, 2008 "The Araucaria Project: The Distance to the Local Group Galaxy WLM from Near-Infrared Photometry of Cepheid Variables". *The Astrophysical Journal*, 683, 611-619.



77. Urbaneja, M., Kudritzki, R., Bresolin, F., Przybilla, N., **Gieren, W., Pietrzynski, G.**, 2008 "The Araucaria Project: The Local Group Galaxy WLM-Distance and Metallicity from Quantitative Spectroscopy of Blue Supergiants".  
The Astrophysical Journal, 684, 118-135.
78. **Mennickent, R. E.**, Kolaczowski, Z., Michalska, G., **Pietrzynski, G.**, Gallardo, R., Cidale, L., *Granada, A.*, **Gieren, W.**, 2008 "The eclipsing LMC star OGLE05155332-6925581: a clue for double periodic variables".  
Monthly Notices of the Royal Astronomical Society, 389, 1605-1618.
79. *García-Varela, A.*, **Pietrzynski, G., Gieren, W.**, Udalski, A., Soszynski, I., Walker, A., Bresolin, F., Kudritzki, R., Szewczyk, O., Szymanski, M., Kubiak, M., Wyrzykowski, L., 2008 "The Araucaria Project: the Distance to the Sculptor Group Galaxy NGC 247 from Cepheid Variables Discovered in a Wide-Field Imaging Survey".  
The Astronomical Journal, 136, 1770-177.
80. Moles, M., Benítez, N., Aguerri, J. A. L., Alfaro, E. J., Broadhurst, T., Cabrera-Caño, J., Castander, F. J., Cepa, J., Cerviño, M., Cristóbal-Hornillos, D., Fernández-Soto, A., González Delgado, R. M., **Infante, L.**, Márquez, I., Martínez, V. J., Masegosa, J., del Olmo, A., Perea, J., Prada, F., Quintana, J. M., Sánchez, S. F., 2008 "The Alhambra Survey: a Large Area Multimedium-Band Optical and Near-Infrared Photometric Survey".  
The Astronomical Journal, 136, 1325-1339.
81. Borissova, J., Ivanov, V. D., Hanson, M. M., Georgiev, L., **Minniti, D.**, Kurtev, R., **Geisler, D.**, 2008 "The young Galactic star cluster [DBS2003] 179".  
Astronomy and Astrophysics, 488, 151-159.
82. Clarkson, W., Sahu, K., Anderson, J., Smith, T., Brown, T., Rich, R. M., Casertano, S., Bond, H. E., Livio, M., **Minniti, D.**, Panagia, N., Renzini, A., Valenti, J., **Zoccali, M.**, 2008 "Stellar Proper Motions in the Galactic Bulge from Deep Hubble Space Telescope ACS WFC Photometry".  
The Astrophysical Journal, 684, 1110-1142.
83. Fukui, Y., Kawamura, A., Minamidani, T., Mizuno, Y., Kanai, Y., Mizuno, N., Onishi, T., Yonekura, Y., Mizuno, A., Ogawa, H., **Rubio, M.**, 2008 "The Second Survey of the Molecular Clouds in the Large Magellanic Cloud by NANTEN. I. Catalog of Molecular Clouds".  
The Astrophysical Journal Supplement Series, 178, 56-70.
84. Carrera, R., Gallart, C., Aparicio, A., **Costa, E., Méndez, R. A.**, Noël, N., 2008 "The Chemical Enrichment History of the Small Magellanic Cloud and its Gradients".  
The Astronomical Journal, 136, 1039-1048.



85. Foley, R. J., Filippenko, A. V., Aguilera, C., Becker, A. C., Blondin, S., Challis, P., **Clocchiatti, A.**, Covarrubias, R., Davis, T. M., Garnavich, P. M., Jha, S. W., Kirshner, R. P., Krisciunas, K., Leibundgut, B., Li, W., Matheson, T., Miceli, A., Miknaitis, G., Pignata, G., Rest, A., Riess, A. G., Schmidt, B. P., Smith, R. C., Sollerman, J., Spyromilio, J., Stubbs, C. W., Suntzeff, N. B., Tonry, J. L., Wood-Vasey, W. M., Zenteno, A., 2008 "Constraining Cosmic Evolution of Type Ia Supernovae".  
The Astrophysical Journal, 684, 68-87.
86. Schweizer, F., Burns, C., Madore, B., Mager, V., Phillips, M., Freedman, W., Boldt, L., Contreras, C., Folatelli, G., González, S., **Hamuy, M.**, Krzeminski, W., Morrell, N., Persson, S., Roth, M., Stritzinger, M., 2008 "a New Distance to the Antennae Galaxies (ngc 4038/39) Based on the Type ia Supernova 2007sr".  
The Astronomical Journal, 136, 1482-1489.
87. Arévalo, P., Uttley, P., Kaspi, S., Breedt, E., **Lira, P.**, McHardy, I. M., 2008 "Correlated X-ray/optical variability in the quasar MR2251-178".  
Monthly Notices of the Royal Astronomical Society, 389, 1479-1488.
88. **Nagar, N.**, Matulich, J., 2008 "Ultra-high energy cosmic rays detected by the Pierre Auger observatory. First direct evidence, and its implications, that a subset originate in nearby radiogalaxies".  
Astronomy and Astrophysics, 488, 879-885.
89. Paz, D., Stasyszyn, F., **Padilla, N.**, 2008 "Angular momentum-large-scale structure alignments in CDM models and the SDSS".  
Monthly Notices of the Royal Astronomical Society, 389, 1127-1136.
90. O'Mill, A., **Padilla, N.**, Lambas, D., 2008 "Evolution of environment-dependent galaxy properties in the Sloan Digital Sky Survey".  
Monthly Notices of the Royal Astronomical Society, 389, 1763-1770.
91. Bennett, D. P., Bond, I. A., Udalski, A., Sumi, T., Abe, F., Fukui, A., Furusawa, K., Hearnshaw, J. B., Holderness, S., Itow, Y., Kamiya, K., Korpela, A. V., Kilmartin, P. M., Lin, W., Ling, C. H., Masuda, K., Matsubara, Y., Miyake, N., Muraki, Y., Nagaya, M., Okumura, T., Ohnishi, K., Perrott, Y. C., Rattenbury, N. J., Sako, T., Saito, To., Sato, S., Skuljan, L., Sullivan, D. J., Sweatman, W. L., Tristram, P. J., Yock, P. C. M., Kubiak, M., Szymanski, M. K., **Pietrzynski, G.**, Soszynski, I., Szweczyk, O., Wyrzykowski, L., Ulaczyk, K., Batista, V., Beaulieu, J. P., Brillant, S., Cassan, A., Fouqué, P., Kervella, P., Kubas, D., Marquette, J. B., 2008 "A Low-Mass Planet with a Possible Sub-Stellar-Mass Host in Microlensing Event MOA-2007-BLG-192".  
The Astrophysical Journal, 684, 663-683.



92. **Morelli, L.**, Pompei, E., Pizzella, A., Méndez-Abreu, J., Corsini, E. M., Coccato, L., Saglia, R. P., Sarzi, M., Bertola, F., 2008 "Stellar populations of bulges in 14 cluster disc galaxies".  
Monthly Notices of the Royal Astronomical Society, 389, 341-363.
93. Buyle, P., De Rijcke, S., Debattista, V., Ferreras, I., Pasquali, A., Seth, A., **Morelli, L.**, 2008 "Radio Continuum Observations of the Candidate Supermassive Black Hole in the Dwarf Elliptical VCC 128".  
The Astrophysical Journal, 685, 915-918.
94. Carraro, G., **Villanova, S.**, Demarque, P., *Moni-Bidin, C.*, McSwain, M. V., 2008 "The old open cluster NGC 2112: updated estimates of fundamental parameters based on a membership analysis".  
Monthly Notices of the Royal Astronomical Society, 386, 1625-1634.
95. Yadav, R. K. S., Bedin, L. R., Piotto, G., Anderson, J., Cassisi, S., **Villanova, S.**, Platais, I., Pasquini, L., Momany, Y., Sagar, R., 2008 "Ground-based CCD astrometry with wide-field imagers. II. A star catalog for M 67: WFI@2.2 m MPG/ESO astrometry, FLAMES@VLT radial velocities".  
Astronomy and Astrophysics, 484, 609-620.
96. López-Morales, M., Butler, R., Fischer, D., **Minniti, D.**, Shectman, S., Takeda, G., Adams, F., Wright, J., Arriagada, P., 2008 "Two Jupiter-Mass Planets Orbiting HD 154672 and HD 205739".  
The Astronomical Journal, 136, 1901-1905.
97. Frinchaboy, P. M., Marino, A. F., **Villanova, S.**, Carraro, G., Majewski, S. R., **Geisler, D.**, 2008 "Tombaugh 2: the first open cluster with a significant abundance spread or embedded in a cold stellar stream?".  
Monthly Notices of the Royal Astronomical Society, 391, 39-51.
98. Orsi, A., Lacey, C. G., Baugh, C. M., **Infante, L.**, 2008 "The clustering of Ly $\alpha$  emitters in a  $\Lambda$ CDM Universe".  
Monthly Notices of the Royal Astronomical Society, 391, 1589-1604.
99. **Casassus, S.**, Dickinson, C., Cleary, K., Paladini, R., Etxaluze, M., Lim, T., White, G., Burton, M., Indermuhle, B., Stahl, O., Roche, P., 2008 "Centimetre-wave continuum radiation from the  $\rho$  Ophiuchi molecular cloud".  
Monthly Notices of the Royal Astronomical Society, 391, 1075-1090.
100. Silva Aguirre, V., **Catelan, M.**, Weiss, A., *Valcarce, A.*, 2008 "Stellar evolution and variability in the pre-ZAHB phase".  
Astronomy and Astrophysics, 489, 1201-1208.



101. **Cáceres, C., Catelan, M.**, 2008 "The Period-Luminosity Relation of RR Lyrae Stars in the SDSS Photometric System"  
The Astrophysical Journal Supplement Series, 179, 242-248.
102. Baume, G., Noël, N. E. D., **Costa, E.**, Carraro, G., **Méndez, R. A.**, Pedreros, M. H., 2008 "Basic parameters of three star clusters in the Small Magellanic Cloud: Kron 11, Kron 63 and NGC 121"  
Monthly Notices of the Royal Astronomical Society, 390, 1683-1690.
103. Gyulbudaghian, A. L., **May, J.**, 2008 "Investigation of the conspicuous infrared star cluster and star-forming region ``RCW 38 IR Cluster"  
Astrophysics, 51, 18-28.
104. Gyulbudaghian, A. L., **May, J.**, 2008 "Star-forming region BW 36 in puppies"  
Astrophysics, 51, 394-402.
105. Platais, I., Melo, C., Fulbright, J. P., Kozhurina-Platais, V., Figueira, P., Barnes, S. A., **Méndez, R. A.**, 2008 "Trumpler 20 - an old and rich open cluster±"  
Monthly Notices of the Royal Astronomical Society, 391, 1482-1488.
106. Zharikov, S. V., Shibanov, Yu. A., Zyuzin, D. A., **Mennickent, R. E.**, Komarova, V. N., 2008 "A likely optical counterpart of the G292.0+1.8 pulsar wind nebula"  
Astronomy and Astrophysics, 492, 805-814.
107. Dumas, G., Mundell, C. G., Emsellem, E., **Nagar, N.**, 2008 "The role of the host galaxy kinematics on nuclear activity"  
Astronomische Nachrichten, 329, 908.
108. Smith Castelli, A., Faifer, F., **Richtler, T.**, Bassino, L., 2008 "Galaxy populations in the Antlia cluster - II. Compact elliptical galaxy candidates"  
Monthly Notices of the Royal Astronomical Society, 391, 685-699.
109. Marino, A. F., **Villanova, S.**, Piotto, G., Milone, A. P., Momany, Y., Bedin, L. R., Medling, A. M., 2008 "Spectroscopic and photometric evidence of two stellar populations in the Galactic globular cluster NGC 6121 (M 4)".  
Astronomy and Astrophysics, 490, 625-640.
110. **Cortés, J.**, Kenney, J., Hardy, E., 2008 "Distances from Stellar Kinematics for Peculiar Virgo Cluster Spiral Galaxies"  
The Astrophysical Journal, 683, 78-93.
111. Udalski, A., Soszyński, I., Szymański, M. K., Kubiak, M., **Pietrzyński, G.**, Wyrzykowski, Ł., Szewczyk, O., Ulaczyk, K., Poleski, R., 2008 "The Optical Gravitational Lensing Experiment. OGLE-III Photometric Maps of the Small Magellanic Cloud".  
Acta Astronomica, 58, 329.



112. Soszyński, I., Udalski, A., Szymański, M. K., Kubiak, M., **Pietrzyński, G.**, Wyrzykowski, Ł., Szewczyk, O., Ulaczyk, K., Poleski, R., 2007 "The Optical Gravitational Lensing Experiment. The OGLE-III Catalog of Variable Stars. II. Type II Cepheids and Anomalous Cepheids in the Large Magellanic Cloud"  
Acta Astronomica, 58, 293.
113. Soszynski, I., Poleski, R., Udalski, A., Szymanski, M. K., Kubiak, M., **Pietrzyński, G.**, Wyrzykowski, L., Szewczyk, O., Ulaczyk, K., 2008 "The Optical Gravitational Lensing Experiment. The OGLE-III Catalog of Variable Stars. I. Classical Cepheids in the Large Magellanic Cloud".  
Acta Astronomica, 58, 163-185.
114. Soszynski, I., Poleski, R., Udalski, A., Kubiak, M., Szymanski, M. K., **Pietrzyński, G.**, Wyrzykowski, L., Szewczyk, O., Ulaczyk, K., 2008 "The Optical Gravitational Lensing Experiment. Triple-Mode and 10/30 Double-Mode Cepheids in the Large Magellanic Cloud".  
Acta Astronomica, 58, 153-162.
115. Udalski, A., Soszynski, I., Szymanski, M. K., Kubiak, M., **Pietrzyński, G.**, Wyrzykowski, L., Szewczyk, O., Ulaczyk, K., Poleski, R., 2008 "The Optical Gravitational Lensing Experiment. OGLE-III Photometric Maps of the Large Magellanic Cloud".  
Acta Astronomica, 58, 89-102.
116. **Pietrukowicz, P.**, Kaluzny, J., Schwarzenberg-Czerny, A., Thompson, I. B., Pych, W., Krzeminski, W., Mazur, B., 2008 "Cluster AgeS Experiment (CASE): deficiency of observed dwarf novae in globular clusters".  
Monthly Notices of the Royal Astronomical Society, 388, 1111-1126.
117. **Pietrukowicz, P.**, Olech, A., Kedzierski, P., Zloczewski, K., Wisniewski, M., Mularczyk, K., 2008 "CURiuous Variables Experiment (CURVE): Variable Stars in the Metal-Poor Globular Cluster M56".  
Acta Astronomica, 58, 121-130.