

Appendix F

ASTRONOMY STAFF RESEARCH PUBLICATIONS

The following includes all refereed and non-refereed publications of ING astronomers in the years 2006 and 2007. It is sorted by year and in alphabetical order (ING author appears in *italic* and **bold**).

2006

1. Alvarez-Candal, A., **Licandro, J.**, 2006, "The size distribution of asteroids in cometary orbits and related populations", *A&A*, 458, 1007.
2. Bolland, C., Mouchet, M., Pain, R., Walton, N. A., Amanullah, R., Astier, P., Ellis, R. S., Fabbro, S., Goobar, A., Hardin, D., Hook, I. M., Irwin, M. J., McMahon, R. G., **Méndez, J.**, Ruiz-Lapuente, P., Sainton, G., Schahmanche, K., Stanishev, V., 2006, "Spectroscopy of twelve type Ia supernovae at intermediate redshift", *A&A*, 445, 387.
3. **Benn, C.**, 2006, "NAOMI/OASIS on-sky performance", *New Astron Rev*, 49, 625.
4. Bernkopf, J., **Fuhrmann, K.**, 2006, "Local subgiants and time-scales of disc formation", *MNRAS*, 369, 673.
5. Bouy, H., Martín, E. L., Brandner, W., Zapatero-Osorio, M. R., Béjar, V. J. S., **Schirmer, M.**, Huélamo, N., Ghez, A. M., 2006, "Multiplicity of very low-mass objects in the Upper Scorpius OB association: a possible wide binary population", *A&A*, 451, 177.
6. Buzzoni, A., Arnaboldi, M., **Corradi, R. L. M.**, 2006, "Planetary nebulae as tracers of galaxy stellar populations", *MNRAS*, 368, 877.
7. Campins, H., Ziffer, J., **Licandro, J.**, Pinilla-Alonso, N., Fernández, Y., L., de León, J., Mothé-Diniz, T., Binzel, R. P., 2006, "Nuclear Spectra of Comet 162P/Siding Spring (2004 TU12)", *AJ*, 132, 1346.
8. Carballo, R., González-Serrano, J. I., Montenegro-Montes, F. M., **Benn, C. R.**, Mack, K.-H., Pedani, M., Vigotti, M., 2006, "A First-APM-SDSS survey for high-redshift radio QSOs", *MNRAS*, 370, 1034.
9. Carpano, S., Wilms, J., **Schirmer, M.**, Kendziorra, E., 2006, "A new luminous supersoft X-ray source in NGC 300", *A&A*, 458, 747.
10. Charpinet, S., Silvotti, R., Bonanno, A., Fontaine, G., Brassard, P., Chayer, P., Green, E. M., Bergeron, P., Bernabei, S., Leccia, S., Kjeldsen, H., Janulis, R., Frasca, A., **Østensen, R.**, Kim, S.-L., Park, B.-G., Jiang, X., Reed, M. D., Patterson, R. S., Gietzen, K. M., Clark, P. J., Wolf, G. W., Lipkin, Y., Formigini, L., Leibowitz, E., Oswald, T. D., Rudkin, M., Johnston, K., 2006, "The rapidly pulsating subdwarf B star PG 1325+101. II. Structural parameters from asteroseismology", *A&A*, 459, 565.
11. Christian, D. J., Pollacco, D. L., **Skillen, I.**, Irwin, J., Clarkson, W. I., Collier Cameron, A., Evans, N., Fitzsimmons, A., Haswell, C. A., Hellier, C., Hodgkin, S. T., Horne, K., Kane, S. R., Keenan, F. P., Lister, T. A., Norton, A. J., Osborne, J., Ryans, R., Street, R. A., West, R. G., Wheatley, P. J., 2006, "The WASP project in the era of robotic telescope networks", *Astronomische Nachrichten*, 327, 800.
12. Christian, D. J., Pollacco, D. L., **Skillen, I.**, Street, R. A., Keenan, F. P., Clarkson, W. I., Collier Cameron, A., Kane, S. R., Lister, T. A., West, R. G., Enoch, B., Evans, A., Fitzsimmons, A., Haswell, C. A., Hellier, C., Hodgkin, S. T., Horne, K., Irwin, J., Norton, A. J., Osborne, J., Ryans, R., Wheatley, P. J., Wilson, D. M., 2006, "The SuperWASP wide-field exoplanetary transit survey: candidates from fields 23 h < RA < 03 h", *MNRAS*, 372, 1117.
13. Collier Cameron, A., Pollacco, D., Street, R. A., Lister, T. A., West, R. G., Wilson, D. M., Pont, F., Christian, D. J., Clarkson, W. I., Enoch, B., Evans, A., Fitzsimmons, A., Haswell, C. A., Hellier, C., Hodgkin, S. T., Horne, K., Irwin, J., Kane, S. R., Keenan, F. P., Norton, A. J., Parley, N. R., Osborne, J., Ryans, R., **Skillen, I.**, Wheatley, P. J., 2006, "A fast hybrid algorithm for exoplanetary transit searches", *MNRAS*, 373, 799.
14. Comerford, J. M., Meneghetti, M., Bartelmann, M., **Schirmer, M.**, 2006, "Mass Distributions of Hubble Space Telescope Galaxy Clusters from Gravitational Arcs", *ApJ*, 642, 39.
15. **Corradi, R. L. M.**, 2006, "Outflows from evolved stars with OASIS, NAOMI and GLAS", *New Astron Rev*, 49, 607.
16. Crowther, P. A., **Lennon, D. J.**, Walborn, N. R., 2006, "Physical parameters and wind properties of galactic early B supergiants", *A&A*, 446, 279.
17. de León, J., **Licandro, J.**, Duffard, R., Serra-Ricart, M., 2006, "Spectral analysis and mineralogical characterization of 11 olivine pyroxene rich NEAs", *Advances in Space Research*, 37, 178.
18. Dotto, E., Fornasier, S., Barucci, M. A., **Licandro, J.**, Boehnhardt, H., Hainaut, O., Marzari, F., de Bergh, C., de Luise, F., 2006, "The surface composition of Jupiter Trojans: visible and near-infrared survey of dynamical families", *Icarus*, 183, 420.
19. Duffard, R., de León, J., **Licandro, J.**, Lazzaro, D., Serra-Ricart, M., 2006, "Basaltic asteroids in the Near-Earth Objects population: a mineralogical analysis", *A&A*, 456, 775.
20. Duffard, R., Lazzaro, D., **Licandro, J.**, de Sanctis, M. C., Capria, M. T., 2006, "V-type asteroids: a mineralogical study", *Advances in Space Research*, 38, 1987.

21. Dufton, P. L., Ryans, R. S. I., Simón-Díaz, S., Trundle, C., **Lennon, D. J.**, 2006, "B-type supergiants in the Small Magellanic Cloud: rotational velocities and implications for evolutionary models", *A&A*, 451, 603.
22. Dufton, P. L., Smartt, S. J., Lee, J. K., Ryans, R. S. I., Hunter, I., Evans, C. J., Herrero, A., Trundle, C., **Lennon, D. J.**, Irwin, M. J., Kaufer, A., 2006, "The VLT-FLAMES survey of massive stars: stellar parameters and rotational velocities in NGC 3293, NGC 4755 and NGC 6611", *A&A*, 457, 265.
23. Evans, C. J., **Lennon, D. J.**, Smartt, S. J., Trundle, C., 2006, "The VLT-FLAMES survey of massive stars: observations centered on the Magellanic Cloud clusters NGC 330, NGC 346, NGC 2004, and the N11 region", *A&A*, 456, 623.
24. Fernández, Y. R., Campins, H., Kassis, M., Hergenrother, C. W., Binzel, R. P., **Licandro, J.**, Hora, J. L., Adams, J. D., 2006, "Comet 162P/Siding Spring: A Surprisingly Large Nucleus", *AJ*, 132, 1354.
25. Gawiser, E., van Dokkum, P. G., Gronwall, C., Ciardullo, R., Blanc, G. A., Castander, F. J., Feldmeier, J., Francke, H., Franx, M., Habertzettl, L., Herrera, D., Hickey, T., Infante, L., Lira, P., Maza, J., Quadri, R., Richardson, A., Schawinski, K., **Schirmer, M.**, Taylor, E. N., Treister, Ezequiel, Urry, C. Megan, Virani, Shanil N., 2006, "The Physical Nature of Ly α -emitting Galaxies at $z=3.1$ ", *ApJ*, 642, L13.
26. Giannakis, O., Harlaftis, E. T., Niarchos, P. G., Kitsionas, S., Barwig, H., Still, M., **Rutten, R. G. M.**, 2006, "Mapping of the Disc Structure of the Neutron Star X-ray Binary X1822-371", *Astrophysics and Space Science*, 304, 321.
27. Goncalves, D. R., Ercolano, B., Carnero, A., Mampaso, A., **Corradi, R. L. M.**, 2006, "On the nitrogen abundance of fast, low-ionization emission regions: the outer knots of the planetary nebula NGC 7009", *MNRAS*, 365, 1039.
28. Goncalves, D. R., Magrini, L., Leisy, P., **Corradi, R. L. M.**, 2006, "The chemical content of nearby galaxies: NGC 147", *Proceedings of the IAU Symposia*, 234, 407.
29. Hendry, M. A., Smartt, S. J., Crockett, R. M., Maund, J. R., Gal-Yam, A., Moon, D.-S., Cenko, S. B., Fox, D. W., Kudritzki, R. P., **Benn, C. R.**, **Østensen, R.**, 2006, "SN 2004A: another Type II-P supernova with a red supergiant progenitor", *MNRAS*, 369, 1303.
30. Hildebrandt, H., Erben, T., Dietrich, J. P., Cordes, O., Habertzettl, L., Hettterscheidt, M., **Schirmer, M.**, Schmithuesen, O., Schneider, P., Simon, P., Trachternach, C., 2006, "GaBoDS: The Garching-Bonn Deep Survey. V. Data release of the ESO Deep-Public-Survey", *A&A*, 452, 1121.
31. **Hunter, I.**, Smoker, J. V., Keenan, F. P., Ledoux, C., Jehin, E., Cabanac, R., Melo, C., Bagnulo, S., 2006, "Early-type stars observed in the ESO UVES Paranal Observatory Project - I. Interstellar NaI UV, TiII and CaII K observations", *MNRAS*, 367, 1478.
32. Kleinheinrich, M., Schneider, P., Rix, H.-W., Erben, T., Wolf, C., **Schirmer, M.**, Meisenheimer, K., Borch, A., Dye, S., Kovacs, Z., Wisotzki, L., 2006, "Weak lensing measurements of dark matter halos of galaxies from COMBO-17", *A&A*, 455, 441.
33. La Palombara, N., Mignani, R. P., Hatziminaoglou, E., **Schirmer, M.**, Bignami, G. F., Caraveo, P., 2006, "XMM-Newton and ESO observations of the two unidentified γ -ray sources 3EG J0616-3310 and 3EG J1249-8330", *A&A*, 458, 245.
34. **Leisy, P.**, Dennefeld, M., 2006, "Planetary nebulae in the Magellanic Clouds. II. Abundances and element production", *A&A*, 456, 451.
35. **Licandro, J.**, de León, J., Pinilla, N., Serra-Ricart, M., 2006, "Multi-wavelength spectral study of asteroids in cometary orbits", *Advances in Space Research*, 38, 1991.
36. **Licandro, J.**, di Fabrizio, L., Pinilla-Alonso, N., de León, J., Oliva, E., 2006, "Trans-Neptunian object (55636) 2002 TX₃₀₀, a fresh icy surface in the outer solar system", *A&A*, 457, 329.
37. **Licandro, J.**, Grundy, W. M., Pinilla-Alonso, N., Leisy, P., 2006, "Visible spectroscopy of 2003 UB313: evidence for N₂ ice on the surface of the largest TNO?", *A&A*, 458, L5.
38. **Licandro, J.**, Pinilla-Alonso, N., Pedani, M., Oliva, E., Tozzi, G. P., Grundy, W. M., 2006, "The methane ice rich surface of large TNO 2005 FY₉: a Pluto-twin in the trans-Neptunian belt?", *A&A*, 445, L35.
39. Mampaso, A., **Corradi, R. L. M.**, Viironen, K., Leisy, P., Greimel, R., Drew, J. E., Barlow, M. J., Frew, D. J., Irwin, J., Morris, R. A. H., Parker, Q. A., Phillipps, S., Rodríguez-Flores, E. R., Zijlstra, A. A., 2006, "The "Principes de Asturias" nebula: a new quadrupolar planetary nebula from the IPHAS survey", *A&A*, 458, 203.
40. Maund, J. R., Smartt, S. J., Kudritzki, R.-P., Pastorello, A., Nelemans, G., Bresolin, F., Patat, F., Gilmore, G. F., **Benn, C. R.**, 2006, "Faint supernovae and supernova impostors: case studies of SN 2002kg/NGC 2403-V37 and SN 2003gm", *MNRAS*, 369, 390.
41. Mokiem, M. R., de Koter, A., Evans, C. J., Puls, J., Smartt, S. J., Crowther, P. A., Herrero, A., Langer, N., **Lennon, D. J.**, Najarro, F., Villamariz, M. R., Yoon, S.-C., 2006, "The VLT-FLAMES survey of massive stars: mass loss and rotation of early-type stars in the SMC", *A&A*, 456, 1131.
42. **Østensen, R. H.**, 2006, "The 2ND Meeting on Hot Subdwarf Stars and Related Objects", *Baltic Astronomy*, 15, 1.
43. **Østensen, R. H.**, 2006, "The Subdwarf Database: Released", *Baltic Astronomy*, 15, 85.
44. Pollacco, D., **Skillen, I.**, Cameron, A., Christian, D., Irwin, J., Lister, T., Street, R., West, R., Clarkson, W., Evans, N., Fitzsimmons, A., Haswell, C., Hellier, C., Hodgkin, S., Horne, K., Jones, B., Kane, S., Keenan, F., Norton, A., Osborne, J., Ryans, R., Wheatley, P., 2006, "The WASP Project and SuperWASP Camera", *Astrophysics and Space Science*, 304, 253.
45. Pollacco, D. L., **Skillen, I.**, Cameron, A., Collier, Christian, D. J., Hellier, C., Irwin, J., Lister, T. A., Street, R. A., West, R. G., Anderson, D., Clarkson, W. I., Deeg, H., Enoch, B., Evans, A., Fitzsimmons, A., Haswell, C. A., Hodgkin, S., Horne, K., Kane, S. R., Keenan, F. P., Maxted, P. F. L., Norton, A. J., Osborne, J., Parley, N. R., Ryans, R. S. I., Smalley, B., Wheatley, P. J., Wilson, D. M., 2006, "The WASP Project and the SuperWASP Cameras", *PASP*, 118, 1407.
46. Rhee, J., Seibert, M., **Østensen, R. H.**, Yi, S. K., Rey, S.-C., Rich, R. M., Bianchi, L., Lee, Y.-W., 2006, "A Spectroscopic Search for New Sdb Stars from the Galex Survey", *Baltic Astronomy*, 15, 77.
47. Russell, D. M., Ellison, S. L., **Benn, C. R.**, 2006, "An excess of damped Lyman α : galaxies near quasi-stellar objects", *MNRAS*, 367, 412.

48. **Rutten, R.**, Blanken, M., McDermaid, R., Gregory, T., Jolley, P., Morris, T., Myers, R., Pragt, J., Schoenmaker, T., Stuik, R., Talbot, G., 2006, "Prospects for the GLAS Rayleigh laser beacon on the 4.2-m WHT", *New Astron Rev*, 49, 632.
49. **Rutten, R. G. M.**, 2006, "Introduction", *New Astron Rev*, 49, 487.
50. Silvotti, R., Bonanno, A., Bernabei, S., Fontaine, G., Charpinet, S., Leccia, S., Kjeldsen, H., Janulis, R., Frasca, A., **Østensen, R.**, Kim, S.-L., Park, B.-G., Jiang, X., Reed, M. D., Patterson, R. S., Gietzen, K. M., Clark, P. J., Wolf, G. W., Lipkin, Y., Formigini, L., Leibowitz, E., Oswald, T. D., Rudkin, M., Johnston, K., Brassard, P., Chayer, P., Green, E. M., Bergeron, P., 2006, "The rapidly pulsating subdwarf B star PG 1325+101. I. Oscillation modes from multisite observations", *A&A*, 459, 557.
51. Smith, A. M. S., Collier Cameron, A., Christian, D. J., Clarkson, W. I., Enoch, B., Evans, A., Haswell, C. A., Hellier, C., Horne, K., Irwin, J., Kane, S. R., Lister, T. A., Norton, A. J., Parley, N., Pollacco, D. L., Ryans, R., **Skillen, I.**, Street, R. A., Triaud, A. H. M. J., West, R. G., Wheatley, P. J., Wilson, D. M., 2006, "The impact of correlated noise on SuperWASP detection rates for transiting extrasolar planets", *MNRAS*, 373, 1151.
52. Solheim, J.-E., **Østensen, R.**, 2006, "More New sdB Pulsators Discovered with the Nordic Optical Telescope", *Baltic Astronomy*, 15, 231.
53. Street, R. A., Christian, D. J., Clarkson, W. I., Cameron, A. C., Enoch, B., Evans, A., Fitzsimmons, A., Haswell, C. A., Hellier, C., Hodgkin, S. T., Horne, Keith, Irwin, J., Keenan, F. P., Kane, S. R., Lister, T. A., Norton, A. J., Osborne, J., Pollacco, D., Ryans, R., **Skillen, I.**, West, R. G., Wheatley, P. J., Wilson, D., 2006, "Looking towards the detection of exoearths with SuperWASP", *International Journal of Astrobiology*, 5, 183.
54. Tancredi, G., Fernández, J. A., Rickman, H., **Licandro, J.**, 2006, "Nuclear magnitudes and the size distribution of Jupiter family comets", *Icarus*, 182, 527.
55. Taubenberger, S., Pastorello, A., Mazzali, P. A., Valenti, S., Pignata, G., Sauer, D. N., Arbey, A., Baerbantner, O., Benetti, S., Della Valle, A., Deng, J., Elias-Rosa, N., Filippenko, A. V., Foley, R. J., Goobar, A., Kotak, R., Li, W., Meikle, P., **Méndez, J.**, Patat, F., Pian, E., Ries, C., Ruiz-Lapuente, P., Salvo, M., Stanishev, V., Turatto, M., Hillebrandt, W., 2006, "SN 2004aw: confirming diversity of Type Ic supernovae", *MNRAS*, 371, 1459.
56. Telting, J. H., **Østensen, R. H.**, 2006, "Time-resolved spectroscopy of the bright sdBV Balloon 090100001. I. Observations and frequency analysis", *A&A*, 450, 1149.
57. Telting, J. H., **Østensen, R. H.**, Heber, U., Augusteijn, T., 2006, "Time-Resolved Spectroscopy of the Bright Sdbv Star Balloon 090100001", *Baltic Astronomy*, 15, 235.
58. Todd, I., Pollacco, D., **Skillen, I.**, **Bramich, D. M.**, Bell, S., Augusteijn, T., 2006, "Eclipsing Binary Stars in Nearby Galaxies", *Astrophysics and Space Science*, 304, 223.
59. Voss, B., Koester, D., **Østensen, R.**, Kepler, S. O., Napiwotzki, R., Homeier, D., Reimers, D., 2006, "Discovery of seven ZZ Ceti stars using a new photometric selection method", *A&A*, 450, 1061.
60. Vuckovic, M., Kawaler, S. D., O'Toole, S., Csbury, Z., Baran, A., Zola, S., Moskalik, P., Klumpe, E. W., Riddle, R., O'Brien, M. S., Mullally, F., Wood, M. A., Wilkat, V., Zhou, A.-Y., Reed, M. D., Terndrup, D. M., Sullivan, D. J., Kim, S.-L., Chen, W. P., Chen, C.-W., Hsiao, W.-S., Sanchawala, K., Lee, H.-T., Jiang, X. J., Janulis, R., Siwak, M., Ogloza, W., Paporó, M., Bognár, Zs., Sódor, á., Handler, G., Lorenz, D., Steingier, B., Silvotti, R., Vauclair, G., Oreiro, R., **Østensen, R.**, Bronowska, A., Castanheira, B. G., Kepler, S. O., Fraga, L., Shipman, L., Provencal, J. L., Childers, D., 2006, "Whole Earth Telescope Observations of the Pulsating Subdwarf B Star PG 0014+067", *ApJ*, 646, 1230.
61. Wareing, C. J., O'Brien, T. J., Zijlstra, Albert A., Kwitter, K. B., Irwin, J., Wright, N., **Greimel, R.**, Drew, J. E., 2006, "The shaping of planetary nebula Sh2-188 through interaction with the interstellar medium", *MNRAS*, 366, 387.
62. Wilson, D. M., Enoch, B., Christian, D. J., Clarkson, W. I., Collier Cameron, A., Deeg, H. J., Evans, A., Haswell, C. A., Hellier, C., Hodgkin, S. T., Horne, K., Irwin, J., Kane, S. R., Lister, T. A., Maxted, P. F. L., Norton, A. J., Pollacco, D., **Skillen, I.**, Street, R. A., West, R. G., Wheatley, P. J., 2006, "SuperWASP Observations of the Transiting Extrasolar Planet XO-1b", *PASP*, 118, 1245.
63. Witham, A. R., Knigge, C., Gaensicke, B. T., Aungwerojwit, A., **Corradi, R. L. M.**, Drew, J. E., **Greimel, R.**, Groot, P. J., Morales-Rueda, L., Rodríguez-Flores, E. R., Rodríguez-Gil, P., Steeghs, D., 2006, "The properties of cataclysmic variables in photometric H α surveys", *MNRAS*, 369, 581.

2007

1. Brunetto, R., de León, J., **Licandro, J.**, 2007, "Testing space weathering models on A-type asteroid (1951) Lick", *A&A*, 472, 653.
2. Cameron, A., Collier, Bouchy, F., Hébrard, G., Maxted, P., Pollacco, D., Pont, F., **Skillen, I.**, Smalley, B., Street, R. A., West, R. G., Wilson, D. M., Aigrain, S., Christian, D. J., Clarkson, W. I., Enoch, B., Evans, A., Fitzsimmons, A., Fleenor, M., Gillon, M., Haswell, C. A., Hebb, L., Hellier, C., Hodgkin, S. T., Horne, K., Irwin, J., Kane, S. R., Keenan, F. P., Loeillet, B., Lister, T. A., Mayor, M., Moutou, C., Norton, A. J., Osborne, J., Parley, N., Queloz, D., Ryans, R., Triaud, A. H. M. J., Udry, S., Wheatley, P. J., 2007, "WASP-1b and WASP-2b: two new transiting exoplanets detected with SuperWASP and SOPHIE", *MNRAS*, 375, 951.
3. Campins, H., **Licandro, J.**, Pinilla-Alonso, N., Ziffer, J., de León, J., Mothé-Diniz, T., **Guerra, J. C.**, Hergenrother, C., 2007, "Nuclear Spectra of Comet 28P Neujmin 1", *AJ*, 134, 1626.
4. Carpano, S., Pollock, A. M. T., Wilms, J., Ehle, M., **Schirmer, M.**, 2007, "A Wolf-Rayet/black-hole X-ray binary candidate in NGC 300", *A&A*, 461, L9.
5. Castro-Tirado, A. J., Bremer, M., McBreen, S., Gorosabel, J., Guziy, S., Fakhullin, T. A., Sokolov, V. V., González Delgado, R. M., Bihain, G., Pandey, S. B., Jelínek, M., de Ugarte Postigo, A., Misra, K., Sagar, R., Bama, P., Kamble, A. P., Anupama, G. C., **Licandro, J.**, Pérez-Ramírez, D., Bhattacharya, D., Aceituno, F. J., Neri, R., 2007, "The dark nature of GRB 051022 and its host galaxy", *A&A*, 475, 101.
6. Christian, D. J., Pollacco, D. L., **Skillen, I.**, Street, R. A., Keenan, F. P., Clarkson, W. I., Collier Cameron, A., Kane, S. R., Lister, T. A., West, R. G., Enoch, B., Evans, A., Fitzsimmons, A., Haswell, C. A., Hellier, C., Hodgkin, S. T., Horne, K., Irwin, J., Norton, A. J., Osborne, J., Ryans, R.,

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 9. Corradi, R. L. M., Rodríguez-Flores, E. R., Mampaso, A., **Greimel, R.**, Viironen, K., 2007, "A Search for Symbiotic Stars in the Milky way", *Baltic Astronomy*, 16, 73.
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