

Appendix F

ASTRONOMY STAFF RESEARCH PUBLICATIONS

The following includes research papers by ING astronomy staff in refereed and unrefereed publications in 2000 and 2001. It is sorted by year and in alphabetical order of first ING author (in *italic* and **bold**).

2000

- “A spectroscopic study of V603 Aquilae: stellar parameters and continuum-line variations”, Arenas, J, Catalan, M S, **Augusteijn, T**, Retter, A, 2000, *MNRAS*, **311**, 135.
- “The First Year of Optical-IR Observations of SN1998bw”, Danziger, I J, **Augusteijn, T**, Brewer, J, Cappellaro, E, Doublier, V, Galama, T, González, J F, Hainaut, O, Leibundgut, B, Lidman, C, Mazzali, P, Nomoto, K, Patat, F, Spyromilio, J, Turatto, M, van Paradijs, J, Vreeswijk, P M, Walsh, J, 2000, The Greatest Explosions Since the Big Bang : Supernovae and Gamma-Ray Bursts, 9.
- “The transient X-ray source SAX J22393+6116 and its optical counterpart”, in’t Zand, J J M, Halpern, J, Eracleous, M, McCollough, M, **Augusteijn, T**, Remillard, R A, Heise, J, 2000, *A&A*, **361**, 85.
- “Near-infrared detection and optical follow-up of the GRB990705 afterglow”, Masetti, N et al, **Augusteijn, T**, 2000, *A&A*, **354**, 473.
- “The Morphology of Satellites in External Galaxies”, Gutierrez, C M, Prada, F, **Azzaro, M**, 2000, *Astron Soc Pac Conf Ser*, **197**, 345.
- “Meteor shower on the lunar atmosphere”, Barbieri, C, **Benn, C R**, Cremonese, G, Verani, S, 2000, Conference Earth-Moon Relationships, 8/10 November 2000, Accademia Galileiana - Padova, Italy, to be published by Kluwer Academic Publishers as a special issue of Earth, Moon, and Planets, E48.
- “LUNAM (LUNar Atmosphere Mission)”, Barbieri, C, Cremonese, G, Fornasier, S, Lazzarin, M, Marchi, S, Ragazzoni, R, Rampazzi, F, Verani, S, **Benn, C**, Mendillo, M, Baumgartner, J, Wilson, J, Chakrabarti, S, & Dolci, M, 2000, Conference Earth-Moon Relationships, 8/10 November 2000, Accademia Galileiana - Padova, Italy, to be published by Kluwer Academic Publishers as a special issue of Earth, Moon, and Planets, E44.
- “Rainbows, Haloes and Earthshine”, **Benn, C**, 2000, Conference Earth-Moon Relationships, 8/10 November 2000, Accademia Galileiana - Padova, Italy, to be published by Kluwer Academic Publishers as a special issue of Earth, Moon, and Planets, E16.
- “The Moon and the origin of life”, **Benn, C**, 2000, Conference Earth-Moon Relationships, 8/10 November 2000, Accademia Galileiana - Padova, Italy, to be published by Kluwer Academic Publishers as a special issue of Earth, Moon, and Planets, E15.
- “The redshift distribution of FIRST radio sources at 1mJy”, Magliocchetti, M, Maddox, S J, Wall, J V, **Benn, C R**, Cotter, G 2000, *MNRAS*, **318**, 1047.
- “An early-time infrared and optical study of the Type Ia Supernova 1998bu in M96”, Hernández, M et al, **Benn, C R**, **Sorensen, P M**, **Telting J H**, **Walton, N A**, 2000, *MNRAS*, **319**, 223.
- “Fast Winds from Symbiotic Stars shaping Large Ionized Nebulae”, **Corradi, R L M**, 2000, *Astron Soc Pac Conf Ser*, **204**, 365.
- “A hydrodynamical study of multiple-shell planetaries I NGC 2438”, **Corradi, R L M**, Schönberner, D, Steffen, M, Perinotto, M 2000, *A&A*, **354**, 1071.
- “Spatially resolved spectroscopy of the outflow from the symbiotic Mira RX Puppis”, **Corradi, R L M**, Schwarz, H E, 2000, *A&A*, **363**, 671.
- “Morphology vs Physical Properties: Some Comments and Questions”, **Corradi, R L M**, 2000, *Astron Soc Pac Conf Ser*, **199**, 25.
- “Knots in the Outer Shells of the Planetary Nebulae IC 2553 and NGC 5882”, **Corradi, R L M**, Goncalves, D R, Villaver, E, Mampaso, A, Perinotto, M, 2000, *ApJ*, **542**, 861.
- “High-Velocity Collimated Outflows in Planetary Nebulae: NGC 6337, HE 2-186, and K4-47”, **Corradi, R L M**, Goncalves, D R, Villaver, E, Mampaso, A, Perinotto, M, Schwarz, H E, Zanin, C, 2000, *ApJ*, **535**, 823.
- “Symbiotic Miras Can Do It”, **Corradi, R L M**, Livio, M, Schwarz, H E, Munari, U, 2000, *Astron Soc Pac Conf Ser*, **199**, 175.
- “Jets and Jet-Like Structures of Low-Ionization in Planetary Nebulae”, Goncalves, D R, **Corradi, R L M**, Villaver, E, Mampaso, A, 2000, *Revista Mexicana de Astronomía y Astrofísica Conference Series*, **9**, 216.
- “Low-ionization Structures in Planetary Nebulae”, Goncalves, D R, **Corradi, R L M**, Villaver, E, Mampaso, A, Perinotto, M 2000, ASP Conf Ser 199: Asymmetrical Planetary Nebulae II: From Origins to Microstructures, 217.
- “A search for planetary nebulae in M33”, Magrini, L, **Corradi, R L M**, Mampaso, A, Perinotto, M, 2000, *A&A*, **355**, 713.
- “Enigmatic low-velocity jet-like features in Planetary Nebulae, Goncalves, D R, **Corradi, R**, Mampaso, A, 2000, Emission Lines from Jet Flows Isla Mujeres November 13- 17, 2000, E19.

- “The Nature of Low-Ionization Microstructures in Planetary Nebulae”, Gonçalves, D R, Mampaso, A, **Corradi, R L M**, 2000, Ionized Gaseous Nebulae Mexico City November 21- 24, 2000, E34.
- “The Evolving Morphology of the Bipolar Nebula M2-9”, Doyle, S, Balick, B, **Corradi, R L M**, Schwarz, H E, 2000, *AJ*, **119**, 1339.
- “Spectropolarimetry of the symbiotic nova HM Sge”, Schmid, H M, **Corradi, R**, Krautter, J, Schild, H, 2000, *A&A*, **355**, 261.
- “Comet C/1999 S4 (LINEAR)”, Kidger, M, **Corradi, R**, O’Mahoney, N 2000, *IAU Circ*, 7472, 3.
- “Detection of a giant halo around NGC7027”, Navarro, S G, Mampaso, A, **Corradi, R**, 2000, Ionized Gaseous Nebulae Mexico City November 21- 24, 2000, E38.
- “An extensive search for planetary nebulae in M33”, Perinotto, M, Magrini, L, **Corradi, R L M**, Mampaso, A, 2000, Proceedings 232 WE-Heraeus Seminar, 22-25 May 2000, Bad Honnef, Germany Edited by Elly M Berkhuijsen, Rainer Beck, and Rene A M Walterbos Shaker, Aachen, 2000, 119.
- “A multi-wavelength study of pre-main sequence stars in the Taurus-Auriga star-forming region”, Guenther, E W, Stelzer, B, Neuhauser, R, Hillwig, T C, Durisen, R H, Menten, K M, **Greimel, R**, Barwig, H, Englhauser, J, & Robb, R M 2000, *A&A*, **357**, 206.
- “Spiral Resonance Structure of NGC4321 from HI Data”, Canzian, B, Knapen, J H, 2000, *Bull Am Astron Soc*, **197**, 3711.
- “Kinematics of Ionized and Molecular Hydrogen in the Core of M100”, **Knapen, J H**, Shlosman, I, Heller, C H, Rand, R J, Beckman, J E, & Rozas, M, 2000, *ApJ*, **528**, 219.
- “Kinematics of the Circumnuclear Region of M 100”, **Knapen, J H**, 2000, ASP Conf Ser 197: Dynamics of Galaxies: from the Early Universe to the Present, 35.
- “A Subarcsecond Resolution Near-Infrared Study of Seyfert and “Normal” Galaxies II Morphology”, **Knapen, J H**, Shlosman, I, Peletier, R F, 2000, *ApJ*, **529**, 93.
- “Defficiency of “Thin” Stellar Bars in Seyfert Host Galaxies”, Shlosman, I, Peletier, R F, **Knapen, J H**, 2000, *ApJ*, **535**, L83.
- “Circumnuclear regions in barred spiral galaxies - I Near-infrared imaging”, Pérez-Ramírez, D, **Knapen, J H**, Peletier, R F, Laine, S, Doyon, R, Nadeau, D, 2000, *MNRAS*, **317**, 234.
- “NLTE Model Atmosphere Analysis of Main-Sequence O Stars in NGC 346”, Bouret, J, Heap, S R, Hubeny, I, Lanz, T, Hillier, D J, **Lennon, D J**, Smith, L J, Evans, C J, 2000, *Bull Am Astron Soc*, **197**, 78.10.
- “An exploratory non-LTE analysis of B-type supergiants in the Small Magellanic Cloud”, Dufton, P L, McErlean, N D, **Lennon, D J**, Ryans, R S I, 2000, *A&A*, **353**, 311.
- “Differential O and SI Abundances in M33 Early B Supergiants”, Monteverde, M I, Herrero, A, **Lennon, D J**, 2000, *ApJ*, **545**, 813.
- “Abundance Determinations in Massive Blue Stars Within the Local Group”, Herrero, A, Kudritzki, R P, Smartt, S J, Venn, K, Przybilla, N, **Lennon, D J**, McCarthy, J K, Monteverde, M I, 2000, Mathematical and Quantum Aspects of Relativity and Cosmology, 331.
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- “NGC 346-12, a Rapidly Rotating O95V Star in the SMC: Test Case of Weak Winds”, Lanz, T, Bouret, J, Heap, S R, Hubeny, I, Hillier, **D J**, **Lennon, D J**, Smith, L J, Evans, C J, Owocki, S P, 2000, *Bull Am Astron Soc*, **197**, 7811
- “Analysis of A-F Supergiants in M31 from Keck HIRES Spectroscopy”, Venn, K A, McCarthy, J K, **Lennon, D J**, Przybilla, N, Kudritzki, R P, Lemke, M, 2000, *Bull Am Astron Soc*, **196**, 40.11.
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- “First Stellar Abundances in NGC6822 from VLT-UVES and Keck-HIRES Spectroscopy”, Venn, K A, Miller, L, **Lennon, D J**, Kaufer, A, McCarthy, J K, Przybilla, N, Kudritzki, R P, Lemke, M, Skillman, E D, Smartt, S J, 2000, Ionized Gaseous Nebulae Mexico City November 21- 24, 2000, E60.
- “The atmospheric parameters and chemical composition of early B-type giants in h and chi Persei”, Vrancken, M, **Lennon, D J**, Dufton, P L, Lambert, D L, 2000, *A&A*, **358**, 639.
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- “Hubble Space Telescope Infrared Imaging Polarimetry of Centaurus A: Implications for the Unified Scheme and the Existence of a Misdirected BL Lacertae Nucleus”, Capetti, A, Schreier, E J, Axon, D, Young, S, Hough, J H, Clark, S, Marconi, A, Macchetto, D, **Packham, C**, 2000, *ApJ*, **544**, 269.
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- “Spirals and the size of the disk in EX Dra”, Joergens, V, Spruit, H C, **Rutten, R G M**, 2000, *A&A*, **356**, L33.
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- “Optical and infrared photometry of the Type II_n SN 1998S: days 11-146”, Fassia, A et al, **Telting, J H, Walton, N A**, 2000, *MNRAS*, **318**, 1093.
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- “UltraDAS: the high-performance data acquisition system at the Isaac Newton Group of Telescopes”, Rixon, G T, **Walton, N A**, Armstrong, D B, Woodhouse, G, Tulloch, S M 2000, *Proc SPIE*, **4009**, 132.
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- “Using planetary nebulae as abundance probes of galaxies”, Walsh, J R, Jacoby, G H, Petetier, R F, **Walton, N A**, 2000, *Proc SPIE*, **4005**, 131.
- “Populations of High-Luminosity Density-bounded HII Regions in Spiral Galaxies: Evidence and Implications”, Beckman, J E, Rozas, M, **Zurita, A**, Watson, R A, **Knapen, J H**, 2000, *AJ*, **119**, 2728.

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- “The IR counterpart of the black-hole candidate 4U 1630-47”, **Augusteijn, T**, Kuulkers, E, van Kerkwijk, M H, 2001, *A&A*, **375**, 447.
- “The Metamorphosis of SN 1998bw”, Patat, F, Cappellaro, E, Danziger, J, Mazzali, P A, Sollerman, J, **Augusteijn, T**, Brewer, J, Doublier, V, Gonzalez, J F, Hainaut, O, Lidman, C, Leibundgut, B, Nomoto, K, Nakamura, T, Spyromilio, J, Rizzi, L, Turatto, M, Walsh, J, Galama, T J, van Paradijs, J, Kouveliotou, C, Vreeswijk, P M, Frontera, F, Masetti, N, Palazzi, E, Pian, E, 2001, *ApJ*, **555**, 900.
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- “GRB 010222 — WHT BVRI images”, Salamanca, I, Vreeswijk, P, Rol, E, Kaper, L, Tanvir, N, Fruchter, A, Wijers, R, Kouveliotou, C, **Augusteijn, T, Zurita, A**, 2001, *GRB Circular Network*, **1082**, 1.
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- “Mass loss geometry in symbiotic binaries”, **Corradi, R L M**, 2001, *Post-AGB Objects as a Phase of Stellar Evolution*, 221.
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