

**Bibliography:**  
**Lynn Diane Matthews, PhD**  
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*Refereed Publications*

1. Raymond, A. W., Doeleman, S. S., Asada, K., et al., including **L. D. Matthews**, 2024, “First Very Long Baseline Array Detections at 870  $\mu\text{m}$ ”, Astronomical Journal, accepted
2. Dent, W. R. F., Harper, G. H., Richards, A. M. S., Kervella, P., & **Matthews, L. D.** 2024, “Detection of Rydberg Lines from the Atmosphere of Betelgeuse”, Astrophysical Journal Letters, 966, L13
3. Event Horizon Telescope Collaboration et al., including **L. D. Matthews**, 2024, “First Sagittarius A\* Event Horizon Telescope Results. VIII. Physical Interpretation of the Polarized Ring”, Astrophysical Journal Letters, 964, L26
4. Event Horizon Telescope Collaboration et al., including **L. D. Matthews**, 2024, “First Sagittarius A\* Event Horizon Telescope Results. VII. Polarization of the Ring”, Astrophysical Journal Letters, 964, L25
5. Paraschos, G. F., Kim, J. -Y., Wielgus, M., et al., including **L. D. Matthews**, 2024, “Ordered magnetic fields around the 3C 84 central black hole”, Astronomy & Astrophysics, 682, 3
6. Event Horizon Telescope Collaboration et al., including **L. D. Matthews**, 2023, “The persistent shadow of the supermassive black hole of M 87. I. Observations, calibration, imaging, and analysis”, Astronomy & Astrophysics, 681, A79
7. Torne, P., Liu, K., Eatough, R. P. et al., including **L. D. Matthews**, 2023, “A search for pulsars around Sgr A\* in the first Event Horizon Telescope dataset”, Astrophysical Journal, 959, 14
8. Roelofs, F., Johnson, M. D., Chael, A., et al., including **L. D. Matthews**, 2023, “Polarimetric Geometric Modeling for mm-VLBI Observations of Black Holes”, Astrophysical Journal Letters, 957, L21
9. Event Horizon Telescope Collaboration et al., including **L. D. Matthews**, 2023, “First M87 Event Horizon Telescope Results. IX. Detection of Near-horizon Circular Polarization”, Astrophysical Journal Letters, 957, L20
10. Prather, B. P., Dexter, J., Moscibrodzka, M., et al., including **L. D. Matthews**, 2023, “Comparison of Polarized Radiative Transfer Codes used by the EHT Collaboration”, Astrophysical Journal, 950, 35

11. Matthews, L. D., Evans, N. R., & Rupen, M. J. 2023, “First Detection of Radio Emission Associated with a Classical Cepheid”, *Astronomical Journal*, 165, 92
12. Crew, G. B., Goddi, C., Matthews, L. D., Rottmann, H., Saez, A., & Martí-Vidal, I. 2023, “A Characterization of the ALMA Phasing System at 345 GHz”, *Publications of the Astronomical Society of the Pacific*, 135, 5002
13. Jorstad, S., Wielgus, M., Lico, R., et al., including L. D. Matthews, 2023, “The Event Horizon Telescope Image of the Quasar NRAO 530”, *Astrophysical Journal*, 943, 170
14. Akiyama, K., Kauffmann, J., Matthews, L. D., Moriyama, K., Koyama, S., & Hada, K. 2022, “Millimeter/submillimeter VLBI with a Next Generation Large Radio Telescope”, *Galaxies*, 11, 1
15. Kauffmann, J., Rajagopalan, G., Akiyama, K., Fish, V., Lonsdale, C., Matthews, L., & Pillai, T. 2022, “The Haystack Telescope as an Astronomical Instrument”, *Galaxies*, 11, 9
16. Okino, H., Akiyama, K., Asada, K., et al., including L. D. Matthews, 2022, “Collimation of the relativistic jet in the quasar 3C 273”, *Astrophysical Journal*, 940, 65
17. Evans, N. R., Engle, S., Pillitteri, I., Guinan, E., Günter, H. M., Wolk, S., Neilson, H., Marengo, M., Matthews, L. D., Moschou, S., Drake, J., & Winston, E. M. 2021, “X-Rays in Cepheids: Identifying Low-Mass Companions of Intermediate-Mass Stars”, *Astrophysical Journal*, 938, 153
18. Dupree, A. K., Strassmeier, K. G., Calderwood, T., Granzer, T., Weber, M., Kravchenko, K., Matthews, L. D., Montargès, M., Tappin, J., & Thompson, W. T., “The Great Dimming of Betelgeuse: A Surface Mass Ejection and Its Consequences”, *Astrophysical Journal*, 936, 18
19. Issaoun, S., Wielgus, M., Jorstad, S., et al., including L. D. Matthews, “Resolving the Inner Parsec of the Blazar J1924-2914 with the Event Horizon Telescope”, *Astrophysical Journal*, 934, 145
20. Matthews, L. D. & Dupree, A. K. 2022, “Spatially Resolved Observations of Betelgeuse at  $\lambda$ 7 mm and  $\lambda$ 1.3 cm Just Prior to the Great Dimming”, *Astrophysical Journal*, 934, 131
21. Broderick, A. E., Gold, R., Georgiev, B., et al., including L. D. Matthews, 2022, “A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows”, *Astrophysical Journal Letters*, 930, L20
22. Wielgus, M., Marchili, N., Martí-Vidal, I., et al., including L. D. Matthews, 2022, “Millimeter Light Curves of Sagittarius A\* Observed during the 2017 Event Horizon Telescope Campaign”, *Astrophysical Journal Letters*, 930, L19

23. Farah, J., Galison, P., Akiyama, K., et al., including **L. D. Matthews**, 2022, “Selective Dynamical Imaging of Interferometric Data”, *Astrophysical Journal Letters*, 930, L18
24. Event Horizon Telescope Collaboration et al., including **L. D. Matthews**, 2022, “First Sagittarius A\* Event Horizon Telescope Results. VI. Testing the Black Hole Metric”, *Astrophysical Journal Letters*, 930, L17
25. Event Horizon Telescope Collaboration et al., including **L. D. Matthews**, 2022, “First Sagittarius A\* Event Horizon Telescope Results. V. Testing Astrophysical Models of the Galactic Center Black Hole”, *Astrophysical Journal Letters*, 930, L16
26. Event Horizon Telescope Collaboration et al., including **L. D. Matthews**, 2022, “First Sagittarius A\* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass”, *Astrophysical Journal Letters*, 930, L15
27. Event Horizon Telescope Collaboration et al., including **L. D. Matthews**, 2022, “First Sagittarius A\* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole”, *Astrophysical Journal Letters*, 930, L14
28. Event Horizon Telescope Collaboration et al., including **L. D. Matthews**, 2022, “First Sagittarius A\* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration”, *Astrophysical Journal Letters*, 930, L13
29. Event Horizon Telescope Collaboration et al., including **L. D. Matthews**, 2022, “First Sagittarius A\* Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole in the Center of the Milky Way”, *Astrophysical Journal Letters*, 930, L12
30. Satapathy, K., Psaltis, D., Ozel, F., et al., including **L. D. Matthews**, 2022, “The Variability of the Black-Hole Image in M87 at the Dynamical Time Scale”, *Astrophysical Journal* 925, 13
31. Evans, N. R., Pillitteri, I., Kervella, P., Engle, S., Guinan, E., Günter, H. M., Wolk, S., Neilson, H., Marengo, M., **Matthews, L. D.**, & Moschou, S. 2021, “X-Rays in Cepheids: *XMM-Newton* Observations of  $\eta$  Aql”, *Astrophysical Journal*, 162, 92
32. Janssen, M., Falcke, H., Kadler, M., et al., including **L. D. Matthews**, 2021, “Event Horizon Telescope observations of the jet launching and collimation in Centaurus A”, *Nature Astronomy*, 5, 1017
33. Kocherlakota, P., Rezzolla, L., Falcke, H., et al., including **L. D. Matthews**, 2021, “Constraints on black-hole charges with the 2017 EHT observations of M87\*”, *Physical Review D*, 103, 104047
34. Narayan, R., Palumbo, D. C. M., Johnson, M. D., et al., including **L. D. Matthews**, 2021, “The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole”, *Astrophysical Journal*, 912, 35

35. Event Horizon Telescope Collaboration Multiwavelength Science Working Group et al., including **L. D. Matthews**, 2021, “Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign”, *Astrophysical Journal Letters*, 911, L11
36. Goddi, C., Martí-Vidal, I., Messias, H., et al., including **L. D. Matthews**, 2021, “Polarimetric Properties of Event Horizon Telescope Targets from ALMA”, *Astrophysical Journal Letters*, 910, L14
37. Event Horizon Telescope Collaboration et al., including **L. D. Matthews**, 2021, “First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near the Event Horizon”, *Astrophysical Journal Letters*, 910, L13
38. Event Horizon Telescope Collaboration et al., including **L. D. Matthews**, 2021, “First M87 Event Horizon Telescope Results. VII. Polarization of the Ring”, *Astrophysical Journal Letters*, 910, L12
39. Kim, J.-Y., Krichbaum, T. P., Broderick, A. E., et al., including **L. D. Matthews**, 2020, “Event Horizon Telescope imaging of the archetypical blazar 3C 279 at an extreme 20 microarcsecond resolution”, *Astronomy & Astrophysics*, 640, A69
40. Wielgus, M., Akiyama, K., Blackburn, L., et al., including **L. D. Matthews**, 2020, “Monitoring the Morphology of M87\* in 2009-2017 with the Event Horizon Telescope”, *Astrophysical Journal*, 901, 67
41. Dupree, A. K., Strassmeier, K. G., **Matthews, L. D.**, Uitenbroek, H., Calderwood, T., Granzer, T., Guinan, E. F., Leike, R., Montargès, M., Richards, A. M. S., Wasatonic, R., & Weber, M. 2020, “Resolved Ultraviolet Spectroscopy of the Great Dimming of Betelgeuse”, *Astrophysical Journal*, 899, 68
42. Gold, R., Broderick, A. E., Younsi, Z., et al., including . **L. D. Matthews**, 2020, “Verification of Radiative Transfer Schemes for the EHT”, *Astrophysical Journal*, 897, 148
43. Broderick, A. E., Gold, R., Karami, M., et al., including **L. D. Matthews**, 2020, “THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope”, *Astrophysical Journal*, 897, 139
44. Roelofs, F., Janssen, M., Natarajan, I., et al., including **L. D. Matthews**, 2020, “SYMBA: An end-to-end VLBI synthetic data generation pipeline”, *Astronomy & Astrophysics*, 636, 5
45. Evans, N. R., Pillitteri, I., Molnar, L., Szabados, L., Plachy, E., Szabo, R., Engle, S., Guinan, E., Wolk, S., Günther, H. M., Neilson, H., Marengo, M., **Matthews, L. D.**, Moschou, S., Drake, J. J., Kashyap, V., Kervella, P., Tordai, T., Somogyi, P., & Burki, G. 2020, “X-Ray Observations of the Peculiar Cepheid V473 Lyr Identify a Low-Mass Companion”, *Astronomical Journal*, 159, 121

46. Klement, R., Carciofi, A. C., Rivinius, T., Ignace, R., **Matthews, L. D.**, Tort-sensson, K., Gies, D., Viera, R. G., Richardson, N. D., Domiciano de Souza, A., Bjorkman, J. E., Hallinan, G., Faes, D. M., Mota, B., Gullingsrud, A. D., De Breuck, C., Kervella, P., Arcos, C., Curé, M., & Gunawan, D. 2019, “Prevalence of SED Turnaround among Classical Be stars: Are All Be Stars Close Binaries?”, *Astrophysical Journal*, 885, 147
47. Liu, K. et al., including **L. D. Matthews**, 2019, “Detection of Pulses from the Vela Pulsar at Millimeter Wavelengths with Phased ALMA”, *Astrophysical Journal Letters*, 885, L10
48. Porth, O., et al., including **L. D. Matthews**, 2019, “The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project”, *Astrophysical Journal Supplement*, 243, 26
49. Goddi, C., Martí-Vidal, I., Messias, H., Crew, G. B., Herrero-Illana, R., Impellizzeri, V., Rottmann, H., Wagner, J., Fomalont, E., **Matthews, L. D.**, Petry, D., Phillips, N., Tilanus, R., Villard, E., Blackburn, L., Janssen, M., & Wielgus, M. 2019, “Calibration of ALMA as a Phased Array”, *Publications of the Astronomical Society of the Pacific*, 131, 5003
50. Event Horizon Telescope Collaboration, including **L. D. Matthews**, 2019, “First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole”, *Astrophysical Journal Letters*, 875, L6
51. Event Horizon Telescope Collaboration, including **L. D. Matthews**, 2019, “First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring”, *Astrophysical Journal Letters*, 875, L5
52. Event Horizon Telescope Collaboration, including **L. D. Matthews**, 2019, “First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole”, *Astrophysical Journal Letters*, 875, L4
53. Event Horizon Telescope Collaboration, including **L. D. Matthews**, 2019, “First M87 Event Horizon Telescope Results. III. Data Processing and Calibration”, *Astrophysical Journal Letters*, 875, L3
54. Event Horizon Telescope Collaboration, including **L. D. Matthews**, 2019, “First M87 Event Horizon Telescope Results. II. Array and Instrumentation”, *Astrophysical Journal Letters*, 875, L2
55. Event Horizon Telescope Collaboration, including **L. D. Matthews**, 2019, “First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole”, *Astrophysical Journal Letters*, 875, L1
56. Issaoun, S., et al., including **L. D. Matthews**, 2019, “The Size, Shape, and Scattering of Sagittarius A\* at 86 GHz: First VLBI with ALMA”, *Astrophysical Journal*, 871, 30

57. **Matthews, L. D.** 2019, “Radio Stars: from kHz to THz”, Publications of the Astronomical Society of the Pacific, 131, 6001
58. **Matthews, L. D.** & Claussen, M. J. 2018, “Evolved Stars”, in *Science with a Next-Generation VLA*, edited by E. J. Murphy (San Francisco: ASP), 517, 281
59. **Matthews, L. D.**, Reid, M. J., Menten, K. M., & Akiyama, K. 2018, “The Evolving Radio Photospheres of Long-Period Variable Stars”, Astronomical Journal, 156, 15
60. **Matthews, L. D.**, Crew, G. B., Doeleman, S. S., et al. 2018, “The ALMA Phasing System: A Beamforming Capability for Ultra-High-Resolution Science at (Sub) Millimeter Wavelengths”, Publications of the Astronomical Society of the Pacific, 130, 5002
61. Issaoun, S., Goddi, C., **Matthews, L. D.**, Greenhill, L. J., Gray, M. D., Humphreys, E. M. L., Chandler, C. J., Krumholz, M., & Falcke, H. 2017, “VLBA imaging of the 3mm SiO maser emission in the disk-wind from the massive protostellar system Orion Source I”, Astronomy & Astrophysics, 606, A126
62. Hoai, D. T., Nhung, P. T., **Matthews, L. D.**, Gérard, E., & Le Bertre, T. 2017, “H<sub>I</sub> emission from the red giant Y CVn with the VLA and FAST”, Research in Astronomy and Astrophysics, 17, 067
63. Klement, R., Carciofi, A. C., Rivinius, T., **Matthews, L. D.**, Vieira, R. G., Ignace, R., Bjorkman, J. E., Mota, B. C., Faes, D. M., Bratcher, A. D., Curé, M., & Štefl, S. 2017, “Revealing the structure of the outer disks of Be stars”, Astronomy & Astrophysics, 601, 74
64. **Matthews, L. D.**, Marengo, M., & Evans, N. R. 2016, “A Search for Mass Loss on the Cepheid Instability Strip using H<sub>I</sub> 21-cm Line Observations”, Astronomical Journal, 152, 200
65. **Matthews, L. D.**, Reid, M. J., & Menten, K. M. 2015, “New Measurements of the Radio Photosphere of Mira based on Data from the JVLA and ALMA”, Astrophysical Journal, 808, 36
66. Hoai, D. T., Nhung, P. T., Gérard, E., **Matthews, L. D.**, Villaver, E., & Le Bertre, T. 2015, “Modelling the H<sub>I</sub> 21-cm line profile from circumstellar shells around red giants”, Monthly Notices of the Royal Astronomical Society, 449, 2386
67. **Matthews, L. D.**, Gérard, E., & Le Bertre, T. 2015, “Discovery of a Shell of Neutral Atomic Hydrogen Surrounding the Carbon Star IRC+10216”, Monthly Notices of the Royal Astronomical Society, 449, 220
68. Hoai, D. T., **Matthews, L. D.**, Winters, J. M., Nhung, P. T., Gérard, E., Libert, Y., & Le Bertre, T. 2014, “The Multi-Scale Environment of RS Cnc from CO and H<sub>I</sub> Observations”, Astronomy & Astrophysics, 565, 54

69. Greenhill, L. J., Goddi, C., Chandler, C. J., **Matthews, L. D.**, & Humphreys, E. M. L. 2013, “Dynamical Evidence for a Magnetocentrifugal Wind from a  $20M_{\odot}$  Binary Young Stellar Object”, *Astrophysical Journal Letters*, 770, 32
70. **Matthews, L. D.** 2013, “Radio Stars and Their Lives in the Galaxy”, *Publications of the Astronomical Society of the Pacific*, 125, 313
71. **Matthews, L. D.**, Le Bertre, T., Gérard, E., & Johnson, M. C. 2013, “An H I Imaging Survey of Asymptotic Giant Branch Stars”, *Astronomical Journal*, 145, 97
72. Bowman, J. D. et al., including **L. D. Matthews**, 2012, “Science with the Murchison Widefield Array”, *Publications of the Astronomical Society of Australia*, 30, 31
73. Le Bertre, T., **Matthews, L. D.**, Gérard, E., & Libert, Y. 2012, “Discovery of a detached H I gas shell surrounding  $\alpha$  Orionis”, *Monthly Notices of the Royal Astronomical Society*, 422, 3433
74. **Matthews, L. D.**, Marengo, M., Evans, N. R., & Bono, G. 2012, “New Evidence for Mass-Loss from  $\delta$  Cephei from H I 21-cm Line Observations”, *Astrophysical Journal*, 744, 53
75. MacLachlan, J. M., **Matthews, L. D.**, Wood, K., & Gallagher, J. S. 2011, “The Stability of Low Surface Brightness Disks Based on Multi-Wavelength Modeling”, *Astrophysical Journal*, 741, 6
76. Goddi, C., Greenhill, L. J., Humphreys, E. M. L., Chandler, C. J., & **Matthews, L. D.** 2011, “Unveiling Sources of Heating in the Vicinity of the Orion BN/KL Hot Core as Traced by Highly Excited Inversion Transitions of Ammonia”, *Astrophysical Journal Letters*, 739, L13
77. Oberoi, D., **Matthews, L. D.**, Cairns, I. H., & 67 co-authors, 2011, “First Spectroscopic Imaging Observations of the Sun at Low Radio Frequencies with the Murchison Widefield Array Prototype”, *Astrophysical Journal Letters*, 728, L27
78. **Matthews, L. D.**, Libert, Y., Gérard, E., Le Bertre, T., Johnson, M. C., & Dame, T. M. 2011, “H I Observations of the Asymptotic Giant Branch Star X Herculis: Discovery of an Extended Circumstellar Wake Superposed on a Compact High-Velocity Cloud”, *Astronomical Journal*, 141, 60
79. Goddi, C., Humphreys, E. M. L., Greenhill, L. J., Chandler, C. J., & **Matthews, L. D.** 2011, “A Multi-Epoch Study of the Radio Continuum Emission of Orion Source I: Constraints on the Disk Evolution of a Massive YSO and the Dynamical History of Orion BN/KL”, *Astrophysical Journal*, 728, 15
80. Marengo, M., Evans, N. R., Barmby, P., **Matthews, L. D.**, Bono, G., Welch, D. L., Romaniello, M., Huelsman, D., Su, K. Y. L., & Fazio, G. G. 2010, “An Infrared Nebula Associated with  $\delta$  Cephei: Evidence of Mass Loss?”, *Astrophysical Journal*, 725, 2392

81. Libert, Y., Winters, J. M., Le Bertre, T., Gérard, E., & **Matthews, L. D.** 2010, “H I and CO in the Circumstellar Environment of the S-Type Star RS Cnc”, *Astronomy & Astrophysics*, 515, 112
82. Libert, Y., Gérard, E., Thum, C., Winters, J. M., **Matthews, L. D.**, & Le Bertre, T. 2010, “Circumstellar H I and CO around the Carbon Stars V1942 Sgr and V CrB”, *Astronomy & Astrophysics*, 510, 14
83. **Matthews, L. D.**, Greenhill, L. J., Goddi, C., Chandler, C. J., & Humphreys, E. M. L. 2010, “A Feature Movie of SiO Emission 20-100 AU from the Massive Young Stellar Object Orion Source I”, *Astrophysical Journal*, 708, 80
84. Banerjee, A., **Matthews, L. D.**, & Jog, C. J. 2009, “Dark Matter Dominance at all Radii in the Superthin Galaxy UGC 7321”, *New Astronomy*, 15, 89
85. Libert, Y., Gérard, E., Le Bertre, T., **Matthews, L.**, Thum, C., & Winters, J. M. 2009, “CO and H I Observations of an Enigmatic Interstellar Cloud”, *Astronomy & Astrophysics*, 500, 1131
86. Goddi, C., Greenhill, L. J., Chandler, C. J., Humphreys, E. M. L., **Matthews, L. D.**, & Gray, M. D. 2009, “Maser Emission from SiO Isotopologues Traces the Innermost 100 AU around Radio Source I in Orion BN/KL”, *Astrophysical Journal*, 698, 1165
87. Goddi, C., Greenhill, L. J., Humphreys, E. M. L., **Matthews, L. D.**, Tan, J. C., & Chandler, C. J. 2009, “A 42.3-43.6 GHz Spectral Survey of Orion BN/KL: First Detection of the  $v=0$   $J = 1 - 0$  Line from the Isotopologues  $^{29}\text{SiO}$  and  $^{30}\text{SiO}$ ”, *Astrophysical Journal*, 691, 1254
88. **Matthews, L. D.** & Uson, J. M. 2008, “Corrugations in the Disk of the Edge-On Spiral Galaxy IC 22233”, *Astrophysical Journal*, 688, 237
89. **Matthews, L. D.**, Libert, Y., Gérard, E., Le Bertre, T., & Reid, M. J. 2008, “Discovery of an H I Counterpart to the Extended Tail of Mira”, *Astrophysical Journal*, 684, 603
90. **Matthews, L. D.** & Uson, J. M. 2008, “H I Imaging of Superthin Galaxies. II. IC 2233 and the Blue Compact Dwarf NGC 2537”, *Astronomical Journal*, 135, 291
91. Godínez-Martínez, A., Watson, A. M., **Matthews, L. D.**, and Sparke, L. S. 2007, “Photometry of Polar Ring Galaxies”, *Revista Mexicana de Astronomía y Astrofísica*, 43, 315
92. **Matthews, L. D.** & Reid, M. J. 2007, “Very Large Array Observations of H I in the Circumstellar Envelopes of Asymptotic Giant Branch Stars”, *Astronomical Journal*, 133, 2291
93. **Matthews, L. D.** & Karovska, M. 2006, “First Resolved Images of the Mira AB Symbiotic Binary at Centimeter Wavelengths”, *Astrophysical Journal Letters*, 637, L49

94. **Matthews, L. D.**, Gao, Y., Uson, J. M., & Combes, F. 2005, “Detections of CO in Late-Type, Low Surface Brightness Spiral Galaxies”, *Astronomical Journal*, 129, 1849
95. **Matthews, L. D.** & de Grijs, R., 2004, “Optical Imaging and Spectroscopy of the Edge-On Sbc Galaxy UGC 10043: Evidence for a Galactic Wind and a Peculiar Triaxial Bulge”, *Astronomical Journal*, 128, 137
96. **Matthews, L. D.** & Wood, K. 2003, “High-Latitude H I in the Low Surface Brightness Galaxy UGC 7321”, *Astrophysical Journal*, 593, 721
97. Uson, J. M. & **Matthews, L. D.** 2003, “H I Imaging of Superthin Galaxies. I. UGC 7321”, *Astronomical Journal*, 125, 2455
98. Eskridge, P. B., Taylor, V. A., Windhorst, R. A., Odewahn, S. C., Chiarenza, C. A. T., Conselice, C. J., de Grijs, R., Frogel, J. A., **Matthews, L. D.**, O’Connell, R. W., & Gallagher, J. S. III. 2003, “UV-Optical Pixel Maps of Face-On Spiral Galaxies—Clues for Dynamics and Star Formation Histories”, *Astrophysical Journal*, 586, 923
99. Windhorst, R. A., Taylor, V. A., Jansen, R. A., Odewahn, S. C., Chiarenza, C. A., Conselice, C. J., de Grijs, R., de Jong, R. S., MacKenty, J. W., Eskridge, P. B., Frogel, J. A., Gallagher III, J. S., Hibbard, J. E., **Matthews, L. D.**, & O’Connell, R. W. 2002, “An *HST* Survey of the Mid-UV Morphology of Nearby Galaxies”, *Astrophysical Journal Supplement*, 143, 113
100. **Matthews, L. D.** & Gallagher, J. S. III. 2002, “High-Resolution Optical Rotational Curves of Low-Luminosity Spiral Galaxies”, *Astrophysical Journal Supplement*, 141, 429
101. Gallagher, J. S., Sparke, L. S., **Matthews, L. D.**, Frattare, L. M., English, J., Kinney, A. L., Iodice, E., & Arnaboldi, M. 2002, “Wide Field and Planetary Camera 2 Observations of the ‘Polar Ring’ Galaxy NGC 4650A”, *Astrophysical Journal*, 568, 199
102. **Matthews, L. D.** & Gao, Y. 2001, “CO Detections of Edge-On Low Surface Brightness Galaxies”, *Astrophysical Journal Letters*, 549, L191
103. **Matthews, L. D.** & Wood, K. 2001, “Modelling the Interstellar Medium of Low Surface Brightness Galaxies: Constraining the Internal Extinction, Disk Color Gradients and Intrinsic Rotation Curve Shapes”, *Astrophysical Journal*, 548, 150
104. **Matthews, L. D.**, van Driel, W., & Monnier-Ragaigne, D. 2001, “H I Observations of Giant Low Surface Brightness Galaxies”, *Astronomy & Astrophysics*, 365, 1
105. Pagano, I., Rodonò, M., Linsky, J. L., Neff, J. E., Walter, F. M., Kővári, Z., & **Matthews, L. D.** 2001, “Spectral Imaging Maps of AR Lacertae. I. Results from IUE Observations in 1994 October”, *Astronomy & Astrophysics*, 365, 128

106. **Matthews, L. D.** 2000, “The Extraordinary ‘Superthin’ Spiral Galaxy UGC 7321. II. The Vertical Structure”, *Astronomical Journal*, 120, 1764
107. **Matthews, L. D.** & van Driel W. 2000, “An H I Survey of Highly Flattened, Pure Disk Galaxies”, *Astronomy and Astrophysics Supplement*, 143, 421
108. **Matthews, L. D.**, Gallagher, J. S., & van Driel, W. 1999, “The Extraordinary ‘Superthin’ Spiral Galaxy UGC 7321. I. Disk Color Gradients and Global Properties from Multiwavelength Observations”, *Astronomical Journal*, 118, 2751
109. **Matthews, L. D.** *et al.* 1999, “WFPC2 Observations of Compact Star Cluster Nuclei in Low-Luminosity Spiral Galaxies”, *Astronomical Journal*, 118, 208
110. **Matthews, L. D.**, van Driel, W., Gallagher, J. S. 1998, “An Exploration of the Tully-Fisher Relation for Extreme Late-Type Spiral Galaxies”, *Astronomical Journal*, 116, 2196
111. **Matthews, L. D.**, van Driel, W., Gallagher, J. S. 1998, “High Resolution, High Signal-to Noise Global H I Observations of Extreme Late-Type Spiral Galaxies”, *Astronomical Journal*, 116, 1169
112. **Matthews, L. D.** & Gallagher, J. S. III. 1997, “*B* and *V* CCD Photometry of Southern, Extreme Late-Type Spiral Galaxies”, *Astronomical Journal*, 114, 1899
113. Walter, F. M. & **Matthews, L. D.** 1997, “The Optical Counterpart of the Isolated Neutron Star RX J185635-3754”, *Nature*, 389, 358
114. Gallagher, J. S. *et al.*, including **L. D. Matthews**, 1996, “Main-Sequence Stars and the Star Formation History of the Outer Disk in the Large Magellanic Cloud”, *Astrophysical Journal*, 466, 732
115. **Matthews, L. D.** & Gallagher, J. S. III. 1996, “H I Observations of Southern, Extreme Late-Type Galaxies. III. Objects between  $8^h$  and  $17^h$ ”, *Astronomical Journal*, 111, 1098
116. **Matthews, L. D.**, Gallagher, J. S. III, & Littleton, J. E. 1995, “H I Observations of Southern, Extreme Late-Type Galaxies. II. Small Angular Size Galaxies and Galaxies Near the Galactic Plane”, *Astronomical Journal*, 110, 581
117. Walter, F. M., **Matthews, L. D.**, & Linsky, J. L. 1995, “GHRS and IUE Observations of C II Emission in Altair ( $\alpha$  Aql)”, *Astrophysical Journal*, 447, 353
118. Holtzman, J. *et al.*, including **L. D. Matthews**, 1995, “The Performance and Calibration of WFPC2 on the Hubble Space Telescope”, *Publications of the Astronomical Society of the Pacific*, 107, 156
119. Gallagher, J. S. III, Littleton, J. E., & **Matthews, L. D.** 1995, “H I Observations of Southern, Extreme Late-Type Galaxies. I. An Optically Faint Sample”, *Astronomical Journal*, 109, 200

### *Didactic Articles and Products*

1. Goddi, C., Crew, G., Impellizzeri, V., Martí-Vidal, I., **Matthews, L. D.**, et al. 2019, “First M87 Even Horizon Telescope Results and the Role of ALMA”, *The Messenger*, 177, 25
2. *Radio Stars Podcast Series*, <http://www.haystack.mit.edu/edu/poa/radiostars/>
3. **Matthews, L. D.** & Reid, M. J. “The Extended Circumstellar Envelope of RS Cnc Imaged in H $\alpha$  with the VLA”, NRAO Newsletter, No. 111, 2
4. **Matthews, L.** 2002 “VLA Observations of the ‘Integral Sign’ Galaxy”, NRAO Newsletter, No. 93, 17
5. Gallagher, J. S., Sparke, L. S., & **Matthews, L. D.** 2001, “Disk Galaxies”, in *The Encyclopedia of Astronomy and Astrophysics*, edited by P. Murdin, (Institute of Physics Publishing, New York), 610

### *Conference Proceedings, White Papers, and Memoranda*

1. **Matthews, L. D.** 2024 “Mass Loss in Evolved Stars”, invited review, in *Cosmic Masers: Proper Motion toward the Next-Generation Large Projects*, IAU Symposium No. 380, edited by T. Hirota, H. Imai, K. Menten, & Y. Pihlström, 380, 275
2. Messias, H., Crew, G., **Matthews, L.**, Impellizzeri, V., Goddi, C., Martí-Vidal, I., & Rebolledo, D. 2023, “The ALMA Phasing System – ALMA as a VLBI station and a stand-alone phased-array”, in *ALMA at 10 years: Past, Present, and Future*, 10.5281/zenodo.10251983
3. Koay, J. Y., Romero-Canñizales, C., **Matthews, L. D.**, et al. 2023, “Metadata for the Flux Density Calibration of the April 2018 Event Horizon Telescope Data”, arXiv:2312.03505
4. **Matthews, L. D.** 2022, “ngVLA Science Use Case: Imaging the Radio Photospheres of Evolved Stars”, Next Generation Very Large Array Science Use Cases, <https://ngvla.nrao.edu/page/scicase>
5. Petretti, C., Akiyama, K., & **Matthews, L. D.**, 2021, “Evaluation of the ngVLA Revision D array configuration for stellar imaging”, Next Generation Very Large Array Memo Series, No. 95 (arXiv:1910.00013)
6. Takahashi, S., Fomalont, E. B., Asaki, Y., Crew, G., **Matthews, L. D.**, Cortes, P., Vila-Vilaro, B., Bastian, T., Shimojo, M., Biggs, A., Messias, H., Hales, A., Villard, E., & Humphreys, E., 2021, “The ObsMode 2020 Process”, ALMA Memo Series, #618 (arXiv:2104:12681)
7. Akiyama, K. & **Matthews, L. D.** 2019, “Exploring Regularized Maximum Likelihood Reconstruction for Stellar Imaging with the ngVLA”, Next Generation Very Large Array Memo Series, No. 66 (arXiv:1910.00013)

8. Blackburn, L. et al., including **L. D. Matthews**, 2019, “Studying Black Holes on Horizon Scales with VLBI Ground Arrays”, an Astro2020 APC White Paper (arXiv:1909.01411)
9. **Matthews, L. D.**, Claussen, M. J., Harper, G. M., Menten, K. M., & Ridgway, S. 2019, “Unlocking the Secrets of Late-Stage Stellar Evolution and Mass Loss through Radio Wavelength Imaging”, an Astro2020 Decadal Survey Science White Paper, Bulletin of the American Astronomical Society, 51, 424
10. **Matthews, L. D.**, Claussen, M. J., & Harper, G. M. 2019, “Molecular Masers as Probes of the Dynamic Atmospheres of Dying Stars”, an Astro2020 Decadal Survey Science White Paper, Bulletin of the American Astronomical Society, 51, 392
11. Ridgway, S. et al., including **L. D. Matthews**, 2019, “Precision Analysis of Evolved Stars”, an Astro2020 Decadal Survey Science White Paper, Bulletin of the American Astronomical Society, 51, 332
12. Forbrich, J. et al., including **L. Matthews**, 2018, “Meter to Millimeter Emission from Cool Stellar Systems: Latest Results, Synergies Across the Spectrum, and Outlook for the Next Decade”, in *Proceedings of the 20th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun*, edited by S. J. Wolk, Zenodo, <https://zenodo.org/>, record 1476617
13. Evans, N. R., Engle, S., Guinan, E., Neilson, H., Marengo, M., **Matthews, L.**, & Guenther, M. 2018, “Outward from Cepheids”, in *The Revival of the Classical Pulsators: from Galactic Structure to Stellar Interior Diagnostics*, edited by R. Smolec, K. Kinemuchi, and R. I. Anderson, Proceedings of the Polish Astronomical Society, 6, 253
14. **Matthews, L. D.**, Crew, G. B., & Fish, V. L. 2017, “Summary of the Fourth ALMA Phasing Project Commissioning and Science Verification Mission: 2016 April 3–8”, ALMA Technical Note 19
15. Evans, N. R., Engle, S., Guinan, E., Neilson, H., Marengo, M., **Matthews, L.**, & Guenther, M. 2017, “Between Cepheids and the Cosmos”, in *Wide-Field Variability Surveys: A 21<sup>st</sup> Century Perspective*, EPJ Web of Conferences, 152, 03009
16. Klement, R., Carciofi, A. C., Rivinius, T., **Matthews, L. D.**, Ignace, R., Bjorkman, J. E., Vieira, R. G., Mota, B. C., Faes, D. M., & Štefl, S. 2017, “The outer disk of the classical Be star  $\psi$  Per”, in *The Lives and Death-Throes of Massive Stars*, proceedings of IAU Symposium No. 329, edited by J. J. Eldridge, J. C. Bray, L. A. S. McClelland, and L. Xiao, (Cambridge: Cambridge University Press), 414
17. Alexander, K. D., Berger, E., Bower, G., et al., including **L. Matthews**, 2017, “Enabling New ALMA Science with Improved Support for Time-Domain Observations”, white paper (arXiv:1703.04692)

18. Diep, P. N., Hoai, D. T., Nhung, P. T., Tuan-Anh, P., Le Bertre, T., Winters, J. M., **Matthews, L. D.**, Phuong, N. T., Thao, N. T., & Darriulat, P. 2015, “CO and H I emission from the circumstellar envelopes of some evolved stars”, *Frontiers in Radio Astronomy: FAST Early Sciences Symposium* (arXiv:1510.08964)
19. **Matthews, L. D.** & Crew, G. B. 2015, “Summary of the Third ALMA Phasing Project Commissioning and Science Verification Mission: 2015 July 28 - August 3”, ALMA Technical Note 18
20. **Matthews, L. D.** & Crew, G. B. 2015, “Summary of the Second ALMA Phasing Project Commissioning and Science Verification Mission: 2015 March 24-30”, ALMA Technical Note 17
21. **Matthews, L. D.** & Crew, G. B. 2015, “Summary of the First ALMA Phasing Project Commissioning and Science Verification Mission: 2015 January 6-13”, ALMA Technical Note 16
22. **Matthews, L. D.**, Reid, M. J., & Menten, K. M. 2015, “Imaging Radio Photospheres with the Jansky Very Large Array”, in *Why Galaxies Care about AGB Stars III*, edited by F. Kerschbaum, J. Hron, and R. Wing, (San Francisco: ASP), Vol. 497, 131
23. **Matthews, L. D.**, Gérard, E., & Le Bertre, T. 2015, “Atomic Hydrogen in the Circumstellar Envelope of IRC+10216”, in *Why Galaxies Care about AGB Stars III*, edited by F. Kerschbaum, J. Hron, and R. Wing, (San Francisco: ASP), Vol. 497, 129
24. Hoai, D. T., **Matthews, L. D.**, Winters, J. M., Nhung, P. T., Gérard, E., Libert, Y., & Le Bertre, T. 2015, “The Multi-Scale Environment of RS Cnc from CO and H I Observations”, in *Why Galaxies Care about AGB Stars III*, edited by F. Kerschbaum, J. Hron, and R. Wing, (San Francisco: ASP), Vol. 497, 119
25. Oberoi, D. et al., including **L. D. Matthews** 2014, “Observing the Sun with the Murchison Widefield Array”, presented at the URSI General Assembly and Scientific Symposium (arXiv:1403.6250)
26. Mora, M., Crew, G., Rottmann, H., & **Matthews, L.** 2014, “Phasing Up ALMA”, in *Software and Cyberinfrastructure for Astronomy III*, Proceedings of SPIE, 9152, edited by G. Chiozzi and N. R. Radziwill, 915219
27. Fish, V. L. et al., including **L. D. Matthews**, 2014, “High-Angular-Resolution and High-Sensitivity Science Enabled by a Beamformed ALMA”, white paper (arXiv: 1309.3519)
28. Oberoi, D. et al., including **L. D. Matthews**, 2014, “Observing the Sun with the Murchison Widefield Array”, URSI General Assembly and Scientific Symposium (arXiv: 1403.6250)

29. Le Bertre, T., Gérard, E., & **Matthews, L. D.** 2013, “The Kinematics in the Large-Scale Environment of Betelgeuse from Radio H I-Line Observations”, in *The Physics of Red Supergiants: Recent Advances and Open Questions*, edited by P. Kervella, T. Le Bertre, & G. Perrin, European Astronomical Society Publication Series, 60, 219
30. Marengo, M., Evans, N. R., **Matthews, L. D.**, Bono, G., Barmby, P., Welch, D. F., Romaniello, M., Su, K. Y. L., Fazio, G. G., & Huelsman, D. 2013, “Evidence for Pulsation-Driven Mass Loss from  $\delta$  Cephei”, in *Impact of New Instrumentation & Insights in Stellar Pulsations*, edited by L. A. Balona *et al.*, Astrophysics & Space Science Proceedings, 31, 99
31. Le Bertre, T., **Matthews, L. D.**, & Gérard, E. 2012, “The large-scale environment of Betelgeuse from radio observations”, in Proceedings of the annual meeting of the French Society of Astronomy and Astrophysics, edited by S. Boissier, P. de Lavaerny, N. Nardetto, R. Samadi, D. Valls-Gabaud, and H. Wosniak, 549
32. MacLachlan, J., **Matthews, L.**, Wood, K., & Gallagher, J. 2012, “The dust distribution in late-type low surface brightness disks”, in *The Spectral Energy Distribution of Galaxies*, IAU Symposium 284, 101
33. Greenhill, L. J., Goddi, C., Chandler, C. J., Humphreys, E. M. L., & **Matthews, L. D.** 2012, “Dynamical Detection of a Magnetocentrifugal Wind Driven by a  $20M_{\odot}$  YSO”, to appear in *Cosmic Masers – from OH to H<sub>0</sub>*, Proceedings of IAU Symposium 287, edited by E. Humphreys and W. Vlemmings, 166
34. Marengo, M., Evans, N. R., **Matthews, L. D.**, Bono, G., Barmby, P., Welch, D. L., Romaniello, M., Su, K. Y. L., Fazio, G. G., & Huelsman, D. 2013, “Evidence for Pulsation-Driven Mass Loss from  $\delta$  Cephei”, in *Impact of New Instruments and Insights in Stellar Pulsation*, (Springer, Berlin), 31, 99
35. **Matthews, L. D.**, Gérard, E., Johnson, M. C., Le Bertre, T., Libert, Y., & Reid, M. J. 2011, “Tails of Stellar Mass-Loss: VLA Imaging of H I in Circumstellar Envelopes”, in *Why Galaxies Care about AGB Stars II: Shining Examples and Common Inhabitants*, ASP Conf. Series, ed. by F. Kerschbaum, T. Lebzelter, & R. Wing, (San Francisco: ASP), 445, 305
36. Libert, Y., Le Bertre, T., Gérard, E., Winters, J. M., & **Matthews, L. D.** 2011, “Probing Circumstellar Environments with Combined H I and CO Observations”, in *Why Galaxies Care about AGB Stars II: Shining Examples and Common Inhabitants*, ASP Conf. Series, ed. by F. Kerschbaum, T. Lebzelter, & R. Wing, (San Francisco: ASP), 445, 275
37. Banerjee, A., Jog, C. J., & **Matthews, L. D.** 2009, “Dark Matter Halo Properties as Deduced from the Observed H I Scale Height Data”, in *The Low-Frequency Radio Universe*, ASP Conf. Series, edited by D. J. Saikia *et al.*, (San Francisco: ASP), 407, 99

38. Aguirre, P., Uson, J. M., & **Matthews, L. D.** 2009, “Discovery of a Small Group that Drives the Evolution of the Edge-On Spiral Galaxy UGC 10043”, *Revista Mexicana de Astronomía y Astrofísica (Serie de Conferencias)*, 35, 201
39. **Matthews, L. D.**, Goddi, C., Greenhill, L. J., Chandler, C. J., Reid, M. J., & Humphreys, E. M. L. 2007, “A Documentary of High-Mass Star Formation: Probing Dynamical Evolution of Orion Source I on 10-100 AU Scales using SiO Masers”, in *Astrophysical Masers and their Environments*, IAU Symp. 242, edited by J. Chapman and W. Baan, (Cambridge: Cambridge University Press), 130
40. **Matthews, L. D.** & Reid, M. J. 2007, “VLA Observations of H I in the Circumstellar Envelopes of AGB Stars”, in *Why Galaxies Care about AGB Stars*, ASP Conf. Series, edited by F. Kerschbaum, C. Charbonnel, & R. F. Wing, (San Francisco: ASP), 378, 319
41. **Matthews, L. D.** 2007, “The Molecular ISM of Low Surface Brightness Spiral Galaxies”, in *Island Universes - Structure and Evolution of Disk Galaxies*, edited by R. S. de Jong, (Dordrecht: Springer), 347
42. **Matthews, L. D.** 2005, “Extraplanar Gas in Low Surface Brightness Galaxies”, in *Extra-Planar Gas in Galaxies*, ASP Conf. Series, edited by R. Braun, (San Francisco: ASP), 331, 253
43. Pohlen, M., Balcells, M., & **Matthews, L. D.**, “Is There a Large Stellar Bar in the LSB Galaxy UGC 7321?”, in *Penetrating Bars through Masks of Cosmic Dust: the Hubble Tuning Fork Strikes a New Note*, Astrophysics and Space Science Library, edited by D. L. Block et al., (Dordrecht: Kluwer), 319, 791
44. **Matthews, L. D.** & Uson, J. M. 2004, “Clues on the Structure and Composition of Galactic Disks from Studies of ‘Superthin’ Spirals: the Case of UGC 3697”, in *Baryons in Dark Matter Halos*, SISSA Proceedings of Science, edited by R.-J. Dettmar, U. Klein, & P. Salucci, 70.1
45. **Matthews, L. D.** & Uson, J. M. 2004, “Gas Infall onto the Superthin IC 2233”, in *How Does the Galaxy Work? A Galactic Tertulia with Don Cox & Ron Reynolds*, edited by E. Alfaro, E. Pérez, & J. Franco, (Dordrecht: Kluwer), 150
46. Gallimore, J. F. & **Matthews, L. D.** 2003, “NICMOS Observations of the Nuclear Star Cluster of NGC 1068”, in *Active Galactic Nuclei: from Central Engine to Host Galaxy*, ASP Conf. Series, edited by S. Collin, F. Combes, & I. Shlosman, (San Francisco: ASP), 290, 501
47. Gallagher, J. S. & **Matthews, L. D.** 2002, “Star Formation Modes in Low-Mass Disk Galaxies” (Invited Review), in *Modes of Star Formation and the Origin of Field Star Populations*, ASP Conf. Series, edited by E. K. Grebel & W. Brandner, (San Francisco: ASP), 285, 303

48. **Matthews, L. D.** & Uson, J. M. 2002, “VLA H<sub>I</sub> Observations of Two ‘Superthin’ Edge-On Spirals”, in *Seeing Through the Dust: The Detection of H<sub>I</sub> and the Exploration of the ISM in Galaxies*, ASP Conf. Series, edited by A. R. Taylor, T. L. Landecker, & A. G. Willis, (San Francisco: ASP), 276, 414
49. **Matthews, L. D.**, Wood, K., & Gao, Y. 2000, “The ISM of Low Surface Brightness Galaxies”, in *Gas and Galaxy Evolution*, ASP Conf. Series, edited by J. E. Hibbard, M. Rupen, & J. H. van Gorkom, (San Francisco: ASP), 240, 263
50. **Matthews, L. D.**, Wood, K., & Gao, Y. 2001, “Dust and Molecular Gas in LSB Galaxies”, in *Galaxy Disks and Disk Galaxies*, ASP Conf. Series, edited by J. G. Funes S. J. & E. M. Corsini, (San Francisco: ASP), 230, 381
51. Gallagher, J. S., Conselice, C. J., Holmeier, N. L., & **Matthews, L. D.** 2001, “Starbursts and the Evolution of Gas-Rich Galaxies”, in *Galaxy Disks and Disk Galaxies*, ASP Conf. Series, edited by J. G. Funes S. J. & E. M. Corsini, (ASP, San Francisco), 230, 503
52. **Matthews, L. D.**, van Driel, W., & Gallagher, J. S. 2000, “Properties of ‘Superthin’ Galaxies”, in *Building Galaxies: from the Primordial Universe to the Present, XIX<sup>th</sup> Moriond Astrophysics Conference*, edited by F. Hammer, T. Xuân Thuân, V. Cayatte, B. Guiderdoni, and J. Trần Tranh Vân, (Singapore: World Scientific), 107
53. **Matthews, L. D.**, Gallagher, J. S., & van Driel, W. 2000, “Constraints on Galaxy Structure and Dynamical Evolution from Pure Disk Galaxies”, in *Galaxy Dynamics: From the Early Universe to the Present*, ASP Conf. Series, edited by F. Combes, G. A. Mamon, & V. Charmandaris, (San Francisco: ASP), 197, 185
54. **Matthews, L. D.**, Gallagher, J. S., & van Driel, W. 1999, “The Structure of the Superthin Spiral Galaxy UGC 7321”, in *Galaxy Dynamics*, ASP Conf. Series, edited by D. R. Merritt, M. Valluri, and J. A. Sellwood, (San Francisco: ASP), 182, 223
55. **Matthews, L. D.**, Gallagher, J. S., van Driel, W. 1999, “The Structure of the Superthin Spiral Galaxy UGC 7321”, in *The Low Surface Brightness Universe*, IAU Colloquium 171, ASP Conference Series, edited by J. I. Davies, C. Impey, & S. Phillipps, (San Francisco: ASP), 170, 207
56. Walter, F. M., **Matthews, L. D.**, An, P., Lattimer, J. & Neuhäuser, R. 1997, “The Spectral Energy Distribution of the Isolated Neutron Star RX J186535-3754”, in *Proceedings of the 18<sup>th</sup> Texas Symposium on High Energy Astrophysics*, edited by A. Olinto, J. Frieman, & D. Schramm, (Singapore: World Scientific Press), 640
57. **Matthews, L. D.**, Gallagher, J. S. III, & van Driel, W. 1997, “Exploration of the Tully-Fisher Relation for Low Surface Brightness Galaxies at the End of the Spiral Sequence”, in *Dark and Visible Matter in Galaxies*, ASP Conference Series, edited by M. Persic & P. Salucci, (San Francisco: ASP), 117, 98

58. **Matthews, L. D.** & Mathieu, R. D. 1993, “A Study of Orbital Circularization in A-Type Binary Stars”, in *Massive Stars: Their Lives in the Interstellar Medium*, ASP Conference Series, edited by J. P Cassinelli & E. B. Churchwell, (San Francisco: ASP), 35, 223
59. **Matthews, L. D.**, Gallagher, J. S. III, & Littleton, J. E. 1993, “Constraints on Starburst Models for Dwarf Galaxies Using H I Observations in the LSC”, in *Massive Stars: Their Lives in the Interstellar Medium*, ASP Conf. Series, edited by J. P Cassinelli & E. B. Churchwell, (San Francisco: ASP), 35, 501
60. **Matthews, L. D.** & Mathieu, R. D. 1992, “Orbital Circularization in Binaries with A-Type Primary Stars”, in *Complementary Approaches to Double and Multiple Star Research*, IAU Colloquium 135, ASP Conf. Series, edited by W. I. Hartkopf & H. A. McAlister, (San Francisco: ASP), 32, 244