

Curriculum Vitae

J. Christopher Mihos

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EDUCATION

Ph.D. in Astronomy 1992, University of Michigan
M.S. in Astronomy 1990, University of Michigan
B.S. in Astronomy 1987, California Institute of Technology

PROFESSIONAL EMPLOYMENT

Case Western Reserve University, Department of Astronomy

Worcester R. and Cornelia B. Warner Professor of Astronomy (July 2021 – present)
Professor of Astronomy (July 2006 – present)
Department Chair and Director, Warner and Swasey Observatory (July 2009 – June 2015)
Associate Professor of Astronomy (July 2001 – June 2006)
Assistant Professor of Astronomy (February 1998 – June 2001)
Hubble Fellow (November 1997 – January 1998)

Johns Hopkins University, Department of Physics and Astronomy

Hubble Fellow (October 1995 – October 1997)

University of California, Santa Cruz / Lick Observatory

Postdoctoral Research Associate (September 1992 – September 1995)

RESEARCH INTERESTS

Galaxy Formation and Evolution
Interacting and Merging Galaxies

Galactic Dynamics
Dark Matter

Clusters of Galaxies
Stellar Populations

RESEARCH HIGHLIGHTS

- 86 refereed research publications with 9,300+ total citations and an h-index of 51
- 26 invited talks at international research conferences
- 47 invited scientific colloquia presented at research universities
- Over \$2.0 million in competitively awarded research funding

EDUCATIONAL HIGHLIGHTS

- CWRU Wittke Award nominee (excellence in undergraduate teaching), 2004, 2014, 2020, 2022
- CWRU Jackson Award nominee (excellence in undergraduate mentoring), 2023
- CWRU Diekhoff Award finalist (excellence in graduate mentoring), 2022
- Research Corporation Cottrell Scholar (combined excellence in research and education), 2001
- CWRU Glennan Fellow (for excellence in education), 1999
- Development of scientific visualizations and online tools for education and outreach.

PUBLICATIONS IN REFEREED JOURNALS¹

Total citations: 9372; h-index: 51

Refereed ADS Bibliography at <https://tinyurl.com/ynrnb32d>

91. *Preparing for Low Surface Brightness Science with the Vera C. Rubin Observatory: A Comparison of Observable and Simulated Intracluster Light Fractions*, Sarah Brough et al. (**Mihos** 16th author), *Monthly Notices of the Royal Astronomical Society*, submitted
90. *Strategies for Optimal Sky Subtraction in the Low Surface Brightness Regime*, Aaron Watkins et al. (**Mihos** 8th author), *Monthly Notices of the Royal Astronomical Society*, submitted
89. *The Next Generation Virgo Cluster Survey (NGVS) XXVII: The Size and Structure of Globular Cluster Systems and their Connection to Dark Matter Halos*, Sungsoon Lim et al. (**Mihos** 18th author), *The Astrophysical Journal*, submitted
88. *Molecular and Ionized Gas in Tidal Dwarf Galaxies: a Complex Behaviour in the Spatially Resolved Star-Formation Relation*, Navyasree Kovakkuni et al. (**Mihos** 12th author), *Monthly Notices of the Royal Astronomical Society*, submitted
87. *A Panoramic View of the Dwarf Galaxy Evolutionary Sequence due to Tidal Disruption*, Kaixiang Wang et al. (**Mihos** 4th author), *Nature*, submitted
86. [*The Next Generation Virgo Cluster Survey \(NGVS\) XXXV: First Kinematical Clues of Overly-Massive Dark Matter Halos in Several Ultra-Diffuse Galaxies in the Virgo Cluster*](#), Elisa Toloba et al. (**Mihos** 8th author) *The Astrophysical Journal*, 951, 77, 2023
85. [*Deep Narrowband Photometry of the M101 Group: Strong Line Abundances of 720 HII Regions*](#), Ray Garner III, **J. Christopher Mihos**, Paul Harding, Aaron E. Watkins, and Stacy S. McGaugh, *The Astrophysical Journal*, 941, 182, 2022
84. [*A Dynamical Model of the M101 / NGC 5474 Interaction*](#), Sean T. Linden and **J. Christopher Mihos**, *The Astrophysical Journal Letters*, 933, L33, 2022
83. [*Preparing for Low Surface Brightness Science with the Vera C. Rubin Observatory: Characterization of Tidal Features from Mock Images*](#), Garreth Martin et al. (**Mihos** 5th author), *Monthly Notices of the Royal Astronomical Society*, 513, 1459, 2022
82. [*The Distance and Dynamical History of the Virgo Cluster Ultradiffuse Galaxy VCC 615*](#), **J. Christopher Mihos** et al, *The Astrophysical Journal*, 924, 87, 2022
81. [*A Deep Census of Outlying Star Formation in the M101 Group*](#), Ray Garner III, **J. Christopher Mihos**, Paul Harding, and Aaron E. Watkins, *The Astrophysical Journal*, 915, 57, 2021
80. [*The Next Generation Virgo Cluster Survey XXXIV: Ultra-Compact Dwarf Galaxies in the Virgo Cluster*](#), Chengze Lu et al. (**Mihos** 24th author), *The Astrophysical Journal Supplement*, 250, 17, 2020
79. [*The Next Generation Virgo Cluster Survey XXX: Ultra-Diffuse Galaxies and their Globular Cluster Systems*](#), Sungsoon Lim et al. (**Mihos** 7th author), *The Astrophysical Journal*, 899, 69, 2020
78. [*The Next Generation Virgo Cluster Survey XIV: The Discovery of Low-mass Galaxies and a New Galaxy Catalog in the Core of the Virgo Cluster*](#), Laura Ferrarese et al. (**Mihos** 24th author), *The Astrophysical Journal*, 890, 128, 2020
77. [*The Next Generation Virgo Cluster Survey XXXIII: Fundamentals of Nuclear Star Clusters Over Seven Decades in Galaxy Mass*](#), Rubén Sánchez-Janssen et al. (**Mihos** 25th author), *The Astrophysical Journal*, 878, 18, 2019
76. [*The Next Generation Virgo Cluster Survey XXXI: The Kinematics of Intracluster Globular Clusters in the Core of the Virgo Cluster*](#), Alessia Longobardi et al. (**Mihos** 4th author), *The Astrophysical Journal*, 864, 36, 2018

¹ Mihos and his students and postdocs are shown in boldface.

75. [BST1047+1156: An Extremely Diffuse and Gas-rich Object in the Leo I Group](#), J. Christopher Mihos, Christopher T. Carr, Aaron E. Watkins, Tom Oosterloo, and Paul Harding, *The Astrophysical Journal Letters*, 863, L7, 2018
74. [Stellar Populations in the Outer Disk and Halo of the Spiral Galaxy M101](#), J. Christopher Mihos, Patrick R. Durrell, John J. Feldmeier, Paul Harding, and Aaron E. Watkins, *The Astrophysical Journal*, 862, 99, 2018
73. [Discovery of a Vast Ionized Gas Cloud in the M51 System](#), Aaron E. Watkins, J. Christopher Mihos, Matthew A. Bershad, and Paul Harding, *The Astrophysical Journal Letters*, 858, L16, 2018
72. [Dark Matter in Ultra Diffuse Galaxies in the Virgo Cluster from Their Globular Cluster Populations](#), Elisa Toloba et al. (Mihos 6th author), *The Astrophysical Journal Letters*, 856, L31, 2018
71. [An Excess of Low-Mass X-Ray Binaries in the Outer Halo of NGC 4472](#), Lennart M. van Haaften, Thomas J. Maccarone, Paul H. Sell, J. Christopher Mihos, David J. Sand, Arunav Kundu, and Stephen E. Zepf, *The Astrophysical Journal*, 853, 13, 2018
70. [Star Forming Environments Throughout the M101 Group](#), Aaron Watkins, J. Christopher Mihos, and Paul Harding, *The Astrophysical Journal*, 851, 51, 2017
69. [The Next Generation Virgo Cluster Survey. XXIV. The Red Sequence to \$\sim 10^6 L_{\odot}\$ and Comparisons with Galaxy Formation Models](#), Joel Roediger et al. (Mihos 19th author), *The Astrophysical Journal*, 836, 120, 2017
68. [The Next Generation Virgo Cluster Survey. XIV. Shell Feature Early Type Galaxies in the Virgo Cluster](#), Sanjaya Paudel et al. (Mihos 13th author), *The Astrophysical Journal*, 834, 66, 2017
67. [The Burrell Schmidt Deep Virgo Survey: Tidal Debris, Galaxy Halos, and Diffuse Intracluster Light in the Virgo Cluster](#), J. Christopher Mihos, Paul Harding, John Feldmeier, Craig Rudick, Steven Janowiecki, Heather Morrison, Colin Slater, and Aaron Watkins, *The Astrophysical Journal*, 834, 16, 2017
66. [New Constraints on a Complex Relationship the Between Globular Clusters and Their Environments](#), Mathieu Powalka et al. (Mihos 21st author), *The Astrophysical Journal (Letters)*, 829, L5, 2016
65. [The Red and Featureless Outer Disks of Nearby Spiral Galaxies](#), Aaron Watkins, J. Christopher Mihos, and Paul Harding, *The Astrophysical Journal*, 826, 1, 2016
64. [The Next Generation Virgo Cluster Survey. XIII. The Luminosity and Mass Function of Galaxies in the Core of the Virgo Cluster and the Contribution from Disrupted Satellites](#), Laura Ferrarese et al. (Mihos 24th author), *The Astrophysical Journal*, 824, 10, 2016
63. [The Most Massive Ultracompact Dwarf Galaxy in the Virgo Cluster](#), Chengze Liu et al. (Mihos 4th author), *The Astrophysical Journal Letters*, 812, L2, 2015
62. [The Next Generation Virgo Cluster Survey. X. Properties of Ultracompact Dwarfs in the M87, M49, and M60 Regions](#), Chengze Liu et al. (Mihos 6th author), *The Astrophysical Journal*, 812, 34, 2015
61. [Galaxies at the Extremes: Ultra-diffuse Galaxies in the Virgo Cluster](#), J. Christopher Mihos et al., *The Astrophysical Journal Letters*, 809, L29, 2015
60. [The Build-up of the cD Halo of M87 – Evidence for Accretion in the Last Gyr](#), Alessia Longobardi, Magda Arnaboldi, Ortwin Gerhard, and J. Christopher Mihos, *Astronomy & Astrophysics Letters*, 579, L3, 2015
59. [Deep Imaging of M51: A New View of the Whirlpool's Extended Tidal Debris](#), Aaron Watkins, J. Christopher Mihos, and Paul Harding, *The Astrophysical Journal (Letters)*, 800, L3, 2015
58. [The Next Generation Virgo Cluster Survey. VIII. The Spatial Distribution of Globular Clusters in the Virgo Cluster](#), Patrick Durrell et al. (Mihos 6th author), *The Astrophysical Journal*, 794, 103, 2014

57. [Searching for Diffuse Light in the M96 Group](#), Aaron Watkins, **J. Christopher Mihos**, Paul Harding, and John Feldmeier, *The Astrophysical Journal*, 791, 31, 2014
56. [The Next Generation Virgo Cluster Survey. IV. NGC4216: A Bombarded Spiral in the Virgo Cluster](#), Sanjaya Paudel et al. (**Mihos 8th author**), *The Astrophysical Journal*, 767, 133, 2013
55. [Stellar Populations in the Outer Halo of the Massive Elliptical M49](#), **J. Christopher Mihos**, Paul Harding, Craig Rudick, and John Feldmeier, *The Astrophysical Journal Letters*, 764, L20, 2013
54. [The Extended Optical Disk of M101](#), **J. Christopher Mihos**, Paul Harding, **Chelsea Spengler**, Craig Rudick, and John Feldmeier, *The Astrophysical Journal*, 762, 82, 2013
53. [The HI Environment of the M101 Group](#), **J. Christopher Mihos**, Katie M. Keating, Kelly Holley-Bockelmann, D.J. Pisano, and Namir Kassim, *The Astrophysical Journal*, 761, 186, 2012
52. [Stripped Gas as Fuel for Star Formation: Newly Formed HII regions in the Encounter Between VCC1249 and M49](#), Fabrizio Arrigoni Battaia et al. (**Mihos 10th author**), *Astronomy & Astrophysics*, 543, 112, 2012
51. [Exploring the Unusually High Black Hole-to-Bulge Mass Ratios in NGC 4342 and NGC 4291: The Asynchronous Growth of Bulges and Black Holes](#), Akos Bogdán et al. (**Mihos 4th author**), *The Astrophysical Journal*, 753, 140, 2012
50. [The Next Generation Virgo Cluster Survey \(NGVS\) I: Introduction to the Survey](#), Laura Ferrarese et al. (**Mihos 10th author**), *The Astrophysical Journal Supplement*, 200, 4, 2012
49. [The Ongoing Assembly of a Central Cluster Galaxy: Phase Space Structures in the Halo of M87](#), Aaron J. Romanowsky, Jay Strader, Jean P. Brodie, **J. Christopher Mihos**, Lee R. Spitler, Duncan A. Forbes, Caroline Foster, and Jacob Arnold, *The Astrophysical Journal*, 748, 29, 2012
48. [Spitzer IRAC Low Surface Brightness Observations of the Virgo Cluster](#), J.E. Krick, C. Bridge, V. Desai, **J. Christopher Mihos**, E. Murphy, **C. Rudick**, J. Surace, and J. Neill, *The Astrophysical Journal*, 735, 76, 2011
47. [The Burrell-Optical-Kepler Survey \(BOKS\) I: Survey Description and Initial Results](#), John J. Feldmeier et al. (**Mihos 8th author**), *The Astronomical Journal*, 142, 2, 2011
46. [The Quantity of Intracluster Light: Comparing Theoretical and Observational Measurements Using Simulated Clusters](#), **Craig S. Rudick**, **J. Christopher Mihos**, and Cameron K. McBride, *The Astrophysical Journal*, 732, 48, 2011
45. [Optical Colors of the Diffuse Light in the Virgo Cluster Core](#), **Craig Rudick**, **J. Christopher Mihos**, Paul Harding, John J. Feldmeier, **Steven Janowiecki**, and Heather L. Morrison, *The Astrophysical Journal*, 720, 569, 2010
44. [Diffuse Tidal Structures in the Halos of Virgo Ellipticals](#), **Steven Janowiecki**, **J. Christopher Mihos**, Paul Harding, John J. Feldmeier, **Craig Rudick**, and Heather L. Morrison, *The Astrophysical Journal*, 715, 972, 2010
43. [Removing Internal Reflections from Deep Imaging Datasets](#), **Colin Slater**, Paul Harding, and **J. Christopher Mihos**, *Publications of the Astronomical Society of the Pacific*, 121, 1267, 2009
42. [Tidal Streams of Intracluster Light](#), **Craig S. Rudick**, **J. Christopher Mihos**, Lucy H. Frey, and Cameron McBride, *The Astrophysical Journal*, 699, 1518, 2009
41. [The Connection Between Diffuse Light and Intracluster Planetary Nebulae in the Virgo Cluster](#), **J. Christopher Mihos**, **Steven Janowiecki**, John J. Feldmeier, Paul Harding, and Heather L. Morrison, *The Astrophysical Journal*, 698, 1879, 2009
40. [Spitzer Quasar-ULIRG Evolution Study \(QUEST\) IV. Comparison of 1-Jy Ultraluminous Infrared Galaxies with Palomar-Green Quasars](#), Sylvain Veilleux et al. (**Mihos 15th author**), *The Astrophysical Journal Supplement*, 182, 628, 2009

39. [Luminous Infrared Galaxies with the Submillimeter Array: II. Comparing the CO\(3-2\) Emission Properties of Local and High-Redshift Infrared Bright Galaxies](#), Daisuke Iono et al. (Mihos 10th author), *The Astrophysical Journal*, 695, 1537, 2009
38. [Constraining the NFW Potential with Observations and Modeling of LSB Galaxy Velocity Fields](#), Rachel Kuzio de Naray, Stacy McGaugh, and J. Christopher Mihos, *The Astrophysical Journal*, 692, 1321, 2009
37. [The Detailed Evolution of E+A Galaxies into Early Types](#), Yujin Yang, Ann Zabludoff, Dennis Zaritsky, and J. Christopher Mihos, *The Astrophysical Journal*, 688, 945, 2008
36. [Luminous Infrared Galaxies with the Submillimeter Array: I. Survey Overview and the Central Gas to Dust Ratio](#), Christine D. Wilson et al. (Mihos 12th author), *The Astronomical Journal Supplement*, 178, 189, 2008
35. [The Toomre Sequence Revisited: HST/NICMOS Investigation of the Nuclei in Interacting and Merging Galaxies](#), Jörn Rossa, Seppo Laine, Roeland P. van der Marel, J. Christopher Mihos, John E. Hibbard, Torsten Böker, and Ann I. Zabludoff, *The Astronomical Journal*, 134, 2124, 2007
34. [The Formation and Evolution of Intracluster Light](#), Craig S. Rudick, J. Christopher Mihos, and Cameron McBride, *The Astrophysical Journal*, 648, 936, 2006
33. [Diffuse Light in the Virgo Cluster](#), J. Christopher Mihos, Paul Harding, John J. Feldmeier, and Heather L. Morrison, *The Astrophysical Journal*, 631, L41, 2005
32. [Radial Gas Flows in Colliding Galaxies: Connecting Simulations and Observations](#), Daisuke Iono, Min S. Yun, and J. Christopher Mihos, *The Astrophysical Journal*, 616, 199, 2004
31. [Deep CCD Surface Photometry of Galaxy Clusters II: Searching for Intracluster Starlight in non-cD Clusters](#), John J. Feldmeier, J. Christopher Mihos, Heather L. Morrison, Paul Harding, Nathan Kaib, and John Dubinski, *The Astrophysical Journal*, 609, 617, 2004
30. [E+A Galaxies and the Formation of Early Type Galaxies at \$z \sim 0\$](#) , Yujin Yang, Ann Zabludoff, Dennis Zaritsky, Tod Lauer, and J. Christopher Mihos, *The Astrophysical Journal*, 607, 258, 2004
29. [Hubble Space Telescope Observations of NGC 6240: a Case Study of an Ultraluminous Infrared Galaxy with Obscured Activity](#), Joris Gerssen, Roeland van der Marel, David Axon, J. Christopher Mihos, Lars Hernquist, and Joshua Barnes, *The Astronomical Journal*, 127, 75, 2004
28. [Hubble Space Telescope WFPC2 Investigation of the Nuclear Morphology in the Toomre Sequence of Merging Galaxies](#), Seppo Laine, Roeland van der Marel, Jörn Rossa, John Hibbard, J. Christopher Mihos, Torsten Böker, and Ann Zabludoff, *The Astronomical Journal*, 126, 2717, 2003
27. [Kinematics of Planetary Nebulae in M51's Tidal Debris](#), Patrick Durrell, J. Christopher Mihos, John Feldmeier, George Jacoby, and Robin Ciardullo, *The Astrophysical Journal*, 582, 170, 2003
26. [Deep CCD Surface Photometry of Galaxy Clusters I: Methods and Initial Studies of Intracluster Light](#), John Feldmeier, J. Christopher Mihos, Heather Morrison, Steve Rodney, and Paul Harding, *The Astrophysical Journal*, 575, 779, 2002
25. [The Evolution of Cuspy Triaxial Galaxies Harboring Central Massive Black Holes](#), Kelly Holley-Bockelmann, J. Christopher Mihos, Steinn Sigurdsson, Lars Hernquist, and Colin Norman, *The Astrophysical Journal*, 567, 817, 2001
24. [A Search for HI in E+A Galaxies](#), Tzu-Ching Chang, Jacqueline van Gorkom, Ann Zabludoff, Dennis Zaritsky, and J. Christopher Mihos, *The Astronomical Journal*, 121, 1965, 2001
23. [The Development of Gas/Star Offsets in Tidal Tails](#), J. Christopher Mihos, *The Astrophysical Journal*, 550, 94, 2001
22. [Models of Cuspy Triaxial Galaxies](#), Kelly Holley-Bockelmann, J. Christopher Mihos, Steinn Sigurdsson, and Lars Hernquist, *The Astrophysical Journal*, 549, 862, 2001
21. [Constraining Dark Halo Potentials with Tidal Tails](#), John Dubinski, J. Christopher Mihos, and Lars Hernquist, *The Astrophysical Journal*, 526, 607, 1999

20. [*The Molecular ISM in Low Surface Brightness Disk Galaxies*](#), J. Christopher Mihos, Marco Spaans, and Stacy McGaugh, *The Astrophysical Journal*, 515, 89, 1999
19. [*H \$\alpha\$ Velocity Mapping of Ultraluminous IRAS Galaxies*](#), J. Christopher Mihos and Greg Bothun, *The Astrophysical Journal*, 500, 619, 1998
18. [*Tidal Tales Two: The Effect of Dark Matter Halos on Tidal Tail Morphology and Kinematics*](#), J. Christopher Mihos, John Dubinski, and Lars Hernquist, *The Astrophysical Journal*, 494, 183, 1998
17. [*NGC 2442: Tidal Encounters and the Evolution of Spiral Galaxies*](#), J. Christopher Mihos and Greg Bothun, *The Astrophysical Journal*, 481, 741, 1997
16. [*Dynamical Stability and Environmental Influences in Low Surface Brightness Disk Galaxies*](#), J. Christopher Mihos, Stacy S. McGaugh, and W.J.G. de Blok, *The Astrophysical Journal*, 477, L79, 1997
15. [*Gasdynamics and Starbursts in Major Mergers*](#), J. Christopher Mihos and Lars Hernquist, *The Astrophysical Journal*, 464, 641, 1996
14. [*Using Tidal Tails to Probe Dark Matter Halos*](#), John Dubinski, J. Christopher Mihos and Lars Hernquist, *The Astrophysical Journal*, 462, 576, 1996
13. [*Quantifying the Fragility of Disks in Minor Mergers*](#), Ian R. Walker, J. Christopher Mihos and Lars Hernquist, *The Astrophysical Journal*, 460, 121, 1996
12. [*Excitation of Activity in Galaxies by Minor Mergers*](#), Lars Hernquist and J. Christopher Mihos, *The Astrophysical Journal*, 448, 41, 1995
11. [*A Merger Origin for X-Structures in S0 Galaxies*](#), J. Christopher Mihos, Ian R. Walker, Lars Hernquist, Claudia Mendes de Oliveira, and Michael Bolte, *The Astrophysical Journal*, 447, L87, 1995
10. [*Dynamical Modeling of NGC 7252 and the Return of Tidal Material*](#), John Hibbard and J. Christopher Mihos, *The Astronomical Journal*, 110, 140, 1995
9. [*Morphology of Galaxy Mergers at Intermediate Redshift*](#), J. Christopher Mihos, *The Astrophysical Journal*, 438, L75, 1995
8. [*Star Forming Galaxy Models: Blending Star Formation into TREESPH*](#), J. Christopher Mihos and Lars Hernquist, *The Astrophysical Journal*, 437, 611, 1994
7. [*Dense Stellar Cores in Merger Remnants*](#), J. Christopher Mihos and Lars Hernquist, *The Astrophysical Journal*, 437, L47, 1994
6. [*Ultraluminous Starbursts in Major Mergers*](#), J. Christopher Mihos and Lars Hernquist, *The Astrophysical Journal*, 431, L9, 1994
5. [*Induced Population Gradients in Disk Galaxy Mergers*](#), J. Christopher Mihos and Lars Hernquist, *The Astrophysical Journal*, 427, 112, 1994
4. [*Triggering of Starbursts in Galaxies by Minor Mergers*](#), J. Christopher Mihos and Lars Hernquist, *The Astrophysical Journal*, 425, L13, 1994
3. [*Modeling the Spatial Distribution of Star Formation in Interacting Disk Galaxies*](#), J. Christopher Mihos, Gregory D. Bothun, and Douglas O. Richstone, *The Astrophysical Journal*, 418, 82, 1993
2. [*Models of Star Formation in Interacting and Merging Disk Galaxies*](#), J. Christopher Mihos, Douglas O. Richstone, and Gregory D. Bothun, *The Astrophysical Journal*, 400, 153, 1992
1. [*A Numerical Study of Star Formation in Interacting Disk Galaxies*](#), J. Christopher Mihos, Douglas O. Richstone, and Gregory D. Bothun, *The Astrophysical Journal*, 377, 72, 1991

CONFERENCE PROCEEDINGS

- C37. [Searching for Extragalactic Star Formation in the M101 Group](#), Ray Garner III, J. Christopher Mihos, Paul Harding, and Aaron E Watkins, *RNAAS*, 5, 63, 2021
- C36. [The Vera Rubin Observatory Legacy Survey of Space and Time and the Low Surface Brightness Universe](#), S. Brough et. al. (Mihos 8th author), in *IAU Symposium 355: The Realm of the Low Surface Brightness Universe*, eds. D. Valls-Gabaud, I. Trujillo, and S. Okamoto, 2020, arXiv:2001.11067
- C35. [Deep Imaging of Diffuse Light Around Galaxies and Clusters: Progress and Challenges](#), J. Christopher Mihos, in *IAU Symposium 355: The Realm of the Low Surface Brightness Universe*, eds. D. Valls-Gabaud, I. Trujillo, and S. Okamoto, 2019, arXiv:1909.09456
- C34. [The Properties of Bright Globular Clusters, Ultra-compact Dwarfs and Dwarf Nuclei in the Virgo Core: Hints on the Origin of Ultra-compact dwarf galaxies](#), C. Liu et. al., (Mihos 7th author), in in *IAU Symposium 344: Dwarf Galaxies: From the Deep Universe to the Present*, eds. S. Stierwalt and K. McQuinn, (Cambridge: Cambridge University Press), 384, 2019
- C33. [The Extended Baryonic Halo of NGC 3923](#), B.W. Miller et. al., (Mihos 6th author), in *On the Origin (and Evolution) of Baryonic Halos, Galaxies*, 5(3), 29, 2017
- C32. [Intragroup and Intracluster Light](#), J. Christopher Mihos, in *IAU Symposium 317: The General Assembly of Galaxy Halos*, eds. A. Bragaglia, M. Arnaboldi, M. Rejkuba, and D. Romano, (Cambridge: Cambridge University Press), 2015
- C31. [The Next Generation Virgo Survey: status and first results](#), S. Mei et. al., (Mihos 43rd author), in *SF2A-2011: Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics*, eds. G. Alecian, K. Belkacem, R. Samadi, and D. Valls-Gabaud, 153, 2012
- C30. [Luminous infrared galaxies with the submillimeter array: probing the extremes of star formation](#), C.D. Wilson et. al., (Mihos 10th author), in *Science with the Atacama Large Millimeter Array: A New Era for Astrophysics, Astrophysics and Space Science*, 313, 297, 2008
- C29. [Simulating Diffuse Light in Galaxy Clusters](#), Craig S. Rudick, J. Christopher Mihos, and Cameron McBride, in *Groups of Galaxies in the Nearby Universe*, eds. I. Saviane, V.D. Ivanov, and Borissova, J. (Berlin: Springer), 227, 2007
- C28. [Diffuse starlight and the evolution of groups and clusters of galaxies](#), J. Christopher Mihos, in *Groups of Galaxies in the Nearby Universe*, eds. I. Saviane, V.D. Ivanov, and Borissova, J. (Berlin: Springer), 221, 2007
- C27. [Galaxy Collisions: Modeling Star Formation in Different Environments](#), J. Christopher Mihos, in *Starbursts – from 30 Doradus to Lyman Break Galaxies*, eds. R. de Grijs and R.M. Gonzalez Delgado, *Astrophysics and Space Science*, 329, 153, 2005
- C26. [The Evolution of Tidal Debris](#), J. Christopher Mihos, in *IAU Symposium 217, Recycling Intergalactic and Interstellar Matter*, eds. P.-A. Duc, J. Braine, and E. Brinks (San Francisco: Astronomical Society of the Pacific), 390, 2004
- C25. [Results from a Diffuse Intracluster Light Survey](#), J. Feldmeier, J. Christopher Mihos, H. Morrison, P. Harding, and C. McBride, in *IAU Symposium 217, Recycling Intergalactic and Interstellar Matter*, eds. P.-A. Duc, J. Braine, and E. Brinks (San Francisco: Astronomical Society of the Pacific), 86, 2004
- C24. [HST Observations of the Toomre Sequence of Merging Galaxies](#), J. Rösssa, R.P. van der Marel, T. Böker, S. Laine, J. Christopher Mihos, J.L. Hibbard, and A.I. Zabludoff, in *IAU Symposium 217, Recycling Intergalactic and Interstellar Matter*, eds. P.-A. Duc, J. Braine, and E. Brinks (San Francisco: Astronomical Society of the Pacific), 432, 2004
- C23. [The Systematics of Intracluster Starlight](#), R. Ciardullo, J. Christopher Mihos, J. Feldmeier, P. Durrell, and S. Sigurdsson, in *IAU Symposium 217, Recycling Intergalactic and Interstellar Matter*, eds. P.-A. Duc, J. Braine, and E. Brinks (San Francisco: Astronomical Society of the Pacific), 88, 2004

- C22. [Intracluster Planetary Nebulae in Clusters and Groups](#), J. Feldmeier, R. Ciardullo, G. Jacoby, P. Durrell, and J. Christopher Mihos, in *IAU Symposium 217, Recycling Intergalactic and Interstellar Matter*, eds. P.-A. Duc, J. Braine, and E. Brinks (San Francisco: Astronomical Society of the Pacific), 64, 2004
- C21. [CO\(3-2\) Observations of LIRGs using the Submillimeter Array](#), D. Iono, M. Yun, J. Christopher Mihos, K. Sakamoto, S. Matsushita, A. Peck, and the SMA team, in *The Neutral ISM in Starburst Galaxies*, (San Francisco: Astronomical Society of the Pacific), 52, 2004
- C20. [Interactions and Mergers of Cluster Galaxies](#), J. Christopher Mihos, in *Clusters of Galaxies: Probes of Cosmological Structure and Galaxy Evolution*, eds. J.S. Mulchaey, A. Dressler, and A. Oemler, (Cambridge: Cambridge University Press), 278, 2004
- C19. [Using Intracluster Light to Study Cluster Evolution](#), John Feldmeier, J. Christopher Mihos, H.L. Morrison, P. Harding, and N. Kaib, in *Clusters of Galaxies: Probes of Cosmological Structure and Galaxy Evolution*, eds. J.S. Mulchaey, A. Dressler, and A. Oemler, 2004
- C18. [Kinematics of Planetary Nebulae in M51's Tidal Tail](#), John Feldmeier, J. Christopher Mihos, Patrick Durrell, Robin Ciardullo, and George Jacoby, in *IAU Symposium 209, Planetary Nebulae*, eds. S. Kwok, M. Dopita, and R. Sutherland (Astronomical Society of the Pacific), 633, 2003
- C17. [HST Observations of NGC 6240](#), J. Gerssen, R.P. van der Marel, D.J. Axon, J. Christopher Mihos, L. Hernquist and J.E. Barnes, in *The Central Kiloparsec of Starbursts and AGN*, eds. J. H. Knapen, J. E. Beckman, I. Shlosman, and T.J. Mahoney (Astron. Soc. Pacific. Conf. Series), 249, 665, 2001
- C16. [HST Observations of the Nuclear Regions of the Toomre Sequence of Merging Galaxies](#), S. Laine, R.P. van der Marel, T. Böker, J. Christopher Mihos, J. Hibbard, and A.I. Zabludoff, in *The Central Kiloparsec of Starbursts and AGN*, eds. J. H. Knapen, J. E. Beckman, I. Shlosman, and T. J. Mahoney (Astron. Soc. Pacific. Conf. Series), 249, 179, 2001
- C15. [Modeling Starbursts in Interacting Galaxies](#), J. Christopher Mihos, in *Starburst Galaxies Near and Far*, eds. L. Tacconi and D. Lutz (Heidelberg: Springer-Verlag), 136, 2001
- C14. [Mergers and Interactions at Higher Redshift](#), J. Christopher Mihos, in *Galaxy Disks and Disk Galaxies*, eds. J. Funes and E. Corsini (Astron. Soc. Pacific. Conf. Series), 230, 491, 2001
- C13. [A Search for HI in Spectroscopically Selected E+A Galaxies](#), T. Chang, J.H. van Gorkom, A.I. Zabludoff, D. Zaritsky, and J. Christopher Mihos, in *Gas and Galaxy Evolution*, eds. J.E. Hibbard, M.P. Rupen, and J.H. van Gorkom (Astron. Soc. Pacific. Conf. Series), 240, 634, 2001
- C12. [Gas/Star Offsets in Tidal Debris](#), J. Christopher Mihos, in *Gas and Galaxy Evolution*, eds. J.E. Hibbard, M.P. Rupen, and J.H. van Gorkom (Astron. Soc. Pacific. Conf. Series), 240, 222, 2001
- C11. [Do Mergers Make Normal Ellipticals?](#), J. Christopher Mihos, in *Gas and Galaxy Evolution*, eds. J.E. Hibbard, M.P. Rupen, and J.H. van Gorkom (Astron. Soc. Pacific. Conf. Series), 240, 143, 2001
- C10. [Dynamics of Mergers](#), J. Christopher Mihos, in *Ultraluminous Galaxies: Monsters or Babies?*, *Astrophysics and Space Science*, 266, 195, 2000
- C9. [Non-equilibrium Kinematics in Merging Galaxies](#), J. Christopher Mihos, in *Galaxy Dynamics from the Early Universe to the Present*, eds. F. Combes, G. A. Mamon, and V. Charmandaris, (Astron. Soc. Pacific. Conf. Series), 197, 275, 2000
- C8. [Galaxy Interactions and Starbursts at High Redshift](#), R.S. Somerville, G. Rosenfeld, T.S. Kollatt, A. Dekel, J. Christopher Mihos, and J.R. Primack, in *Galaxy Dynamics from the Early Universe to the Present*, eds. F. Combes, G. A. Mamon, and V. Charmandaris, (Astron. Soc. Pacific. Conf. Series), 197, 331, 2000
- C7. [Gasdynamics and Starbursts in Interacting Galaxies](#), J. Christopher Mihos, in *Galaxy Interactions at High and Low Redshift (IAU Symposium 186)*, eds. J.E. Barnes and D.B. Sanders (Dordrecht: Kluwer), 205, 1999

- C6. [Triaxial Halos and Cusps](#), Steinn Sigurdsson, **J. Christopher Mihos**, and Lars Hernquist, in *Workshop on Galaxy Halos*, ed. D. Zaritsky, (Astron. Soc. Pacific. Conf. Series), 136, 388, 1998
- C5. [Constraining Dark Halo Potentials with Tidal Tails](#), John Dubinski, Lars Hernquist, and **J. Christopher Mihos**, in *Workshop on Galaxy Halos*, ed. D. Zaritsky, (Astron. Soc. Pacific. Conf. Series), 136, 260, 1998
- C4. [Present-Day Properties of Ellipticals and Formation of Galaxies at High-z](#), C.M. Carollo, M. Spaans, M. Stiavelli, and **J. Christopher Mihos**, in *Science with the Next Generation Space Telescope*, eds. E.P. Smith and A. Koratkar, (Astron. Soc. Pacific. Conf. Series), 133, 237, 1998
- C3. [Dynamical Stability and Galaxy Evolution in LSB Disk Galaxies](#), **J. Christopher Mihos**, S.S. McGaugh, and W.J.G. de Blok, in *Star Formation Near and Far*, eds. S.S. Holt and L.G. Mundy (New York: AIP), 311, 1997
- C2. [Mergers to Bars to Boxy Bulges: A Galaxy Evolution Story](#), Ian R. Walker, **J. Christopher Mihos**, Lars Hernquist, Michael Bolte, and Claudia Mendes de Oliveira, in *Barred Galaxies (IAU Colloquium 157)*, eds. R. Buta, D.A. Crocker, and B.G. Elmegreen (Astron. Soc. Pacific. Conf. Series), 91, 486, 1996
- C1. [Mass Transfer Induced Starbursts in Interacting Galaxies](#), **J. Christopher Mihos**, in *Mass Transfer Induced Activity in Galaxies*, ed. I. Shlosman (Cambridge: Cambridge Univ. Press), 372, 1994

OTHER PUBLICATIONS

- O5. [Spectroscopic Follow-up of Two Star-Forming Objects in the M101 Field](#), Ray Garner III, Steven Janowiecki, and **J. Christopher Mihos**, *Research Notes of the American Astronomical Society*, 7, 149, 2023
- O4. [Optimizing Roman's High Latitude Wide Area Survey for Low Surface Brightness Astronomy](#), Montes et al. (**Mihos 19th author**), 2023, arXiv e-print 2306.09414
- O3. [LSST Cadence Optimization White Paper in Support of Observations of Unresolved Tidal Stellar Streams in Galaxies beyond the Local Group](#), Laine et al. (**Mihos 9th author**), 2018, arXiv e-print 1812.04897
- O2. *The Cosmos on the Computer: Computational JavaLabs for Astronomy Education*, **J. Christopher Mihos** and Greg Bothun, *Mercury*, 30, 4, 2001
- O1. *Interactions and Mergers of Galaxies*, **J. Christopher Mihos**, a main article in *The Encyclopedia of Astronomy and Astrophysics*, ed. P. Murdin (IOP Publishing), 2000

CONTRIBUTED ABSTRACTS

- A57. *The Orbital Dynamics and Globular Cluster Population of the Virgo Ultradiffuse Galaxy VCC615*, **J. Christopher Mihos** et al., 241st meeting of the American Astronomical Society, Seattle WA, January 2023.
- A56. *Compact Stellar Systems in the Virgo Cluster: the Origin of Ultra-Compact Dwarf Galaxies*, K. Wang et al. (**Mihos 7th author**), 241st meeting of the American Astronomical Society, Seattle WA, January 2023.
- A55. *Orbital Dynamics of the Virgo Cluster Ultradiffuse Galaxy VCC 615*, **J. Christopher Mihos** et al., STScI Spring Symposium (Galaxy Clusters), virtual, April 2022.
- A54. *Stellar Population Synthesis in BST 1047+1156*, K. Wood & **J. Christopher Mihos**, Conference for Undergraduate Women in Physics, virtual, January 2022.
- A53. *Searching for Extragalactic Star Formation in the M101 Group*, R. Garner, **J. Christopher Mihos**, P. Harding, and A. Watkins, 237th meeting of the American Astronomical Society, virtual, January 2021.

- A52. *HST Imaging of the Globular Cluster System of the Virgo Cluster Ultra-Diffuse Galaxy VLSB-B*, Y. Zhang et al. (**Mihos 9th author**), 233rd meeting of the American Astronomical Society, Seattle, WA, January 2019.
- A51. *Stellar Populations in the Outer Regions of M101*, P. Durrell, **J. Christopher Mihos** et al., 229th meeting of the American Astronomical Society, Grapevine, TX, January 2017.
- A50. *Low-mass X-ray binaries in the outer halo of NGC 4472: a consequence of natal kicks?*, L. Van Haften et al. (**Mihos 4th author**), 229th meeting of the American Astronomical Society, Grapevine, TX, January 2017.
- A49. *The Extended Globular Cluster System of NGC 3923*, T. Ahumada et al. (**Mihos 5th author**), 229th meeting of the American Astronomical Society, Grapevine, TX, January 2017.
- A48. *DECam Observations of the Shells of NGC 3923*, B. Miller et al. (**Mihos 5th author**), 227th meeting of the American Astronomical Society, Kissimmee, FL, January 2016.
- A47. *Testing a MOND Prediction in NGC 3923*, B. Miller, S. McGaugh, and **J. Christopher Mihos**, 225th meeting of the American Astronomical Society, Seattle, WA, January 2015.
- A46. *The Spatial Distribution of Virgo's Globular Clusters*, P. Durrell et al (**Mihos 6th author**), 223rd meeting of the American Astronomical Society, Washington, DC, January 2014.
- A45. *NGC 4342, an Optically Faint but X-ray Gas Rich Early-type Galaxy*, A. Bogdán et al (**Mihos 4th author**), 220th meeting of the American Astronomical Society, Anchorage, AK, June 2012.
- A44. *Asynchronous Growth of Bulges and Black Holes in the Optically Faint Gas-rich Early Type Galaxies NGC 4342 and NGC 4291*, W. Forman et al (**Mihos 5th author**), ESA conference on Galaxy Clusters as Giant Cosmic Laboratories, Madrid, Spain, May 2012.
- A43. *A Neutral Hydrogen Study of the M101 Galaxy Group*, N. Santiago-Figueroa, K. Chynoweth, K. Holley-Bockelmann, G. Langston, and **J. Christopher Mihos**, 2011 Joint Meeting of the National Society for Black Physicists and the National Society for Hispanic Physicists, Austin, TX, September 2011.
- A42. *Searching for Intragroup Light in Multiple Galaxy Groups*, J.J. Feldmeier, S. Downing, **J. Christopher Mihos**, P. Harding, and H.L. Morrison, 215th meeting of the American Astronomical Society, Seattle, WA, January 2011.
- A41. *Diffuse Stellar Substructure in Virgo Ellipticals*, **J. Christopher Mihos**, S. Janowiecki, P. Harding, J.J. Feldmeier, C. Rudick, and H.L. Morrison, 213th meeting of the American Astronomical Society, Washington, DC, January 2010.
- A40. *Searching for Intragroup Light in Normal and Compact Groups*, J.J. Feldmeier, S.W. Downing, **J. Christopher Mihos**, P. Harding, and H.L. Morrison, 213th meeting of the American Astronomical Society, Washington, DC, January 2010.
- A39. *Searching for Intracluster Globular Clusters in the Virgo Cluster*, P. Durrell, K. Accetta, J.J. Feldmeier, **J. Christopher Mihos**, R. Ciardullo, E.W. Peng, and the NGVS Team, 213th meeting of the American Astronomical Society, Washington, DC, January 2010.
- A38. *The Next Generation Virgo Survey*, S. Mei et al. (**Mihos 33rd author**), 213th meeting of the American Astronomical Society, Washington, DC, January 2010.
- A37. *A Full Census of Intracluster Light in the Virgo Cluster*, J. Krick et al. (**Mihos 5th author**), 213th meeting of the American Astronomical Society, Washington, DC, January 2010.
- A36. *Inferring Cluster Masses Using Intracluster Light*, **J. Christopher Mihos**, Unveiling the Mass: Extracting and Interpreting Galaxy Masses, Kingston, ON, June 2009.
- A35. *Constraining the NFW Potential with Observations and Modeling of LSB Galaxy Velocity Fields*, R. Kuzio de Naray, S.S. McGaugh, and **J. Christopher Mihos**, Unveiling the Mass: Extracting and Interpreting Galaxy Masses, Kingston, ON, June 2009.

- A34. *Luminous Infrared Galaxies with the Submillimeter Array: High Angular Resolution Observations of Warm Molecular Gas in VV 114*, G. Petitpas et al. (**Mihos 10th author**), 211th meeting of the American Astronomical Society, Long Beach, CA, January 2009
- A33. *Constraining the NFW Potential with DensePak IFU Velocity Fields and Rotation Curves of LSB Galaxies*, R. Kuzio de Naray, S.S. McGaugh, and **J. Christopher Mihos**, 211th meeting of the American Astronomical Society, Long Beach, CA, January 2009
- A32. *Burrell-Optical-Kepler Survey (BOKS) II: Early Variability Results*, S.B. Howell et al. (**Mihos 5th author**), 209th meeting of the American Astronomical Society, Seattle, WA, January 2007
- A31. *Burrell-Optical-Kepler Survey (BOKS) I: Survey Description*, J.J. Feldmeier et al. (**Mihos 4th author**), 209th meeting of the American Astronomical Society, Seattle, WA, January 2007
- A30. *Imaging Virgo's Diffuse Intracluster Light*, **J. Christopher Mihos**, P. Harding, J.J. Feldmeier, and H.L. Morrison, 207th meeting of the American Astronomical Society, Washington, DC, January 2006
- A29. *Measuring the Persistence of Stellar Variability using a Two Epoch Imaging Survey*, J.J. Feldmeier, S.B. Howell, **J. Christopher Mihos**, and M.E. Everett, 207th meeting of the American Astronomical Society, Washington, DC, January 2006
- A28. *Binary Black Hole Ejections of Intracluster Planetary Nebulae*, K. Holley-Bockelmann, S. Sigurdsson, R. Ciardullo, J. Feldmeier, **J. Christopher Mihos**, and C. McBride, Division of Dynamical Astronomy Meeting, Santa Barbara, CA, April 2005
- A27. *New Results from an Intracluster Star Imaging Survey*, J.J. Feldmeier, **J. Christopher Mihos**, H.L. Morrison, and P. Harding, 205th meeting of the American Astronomical Society, San Diego, CA, January 2005
- A26. *An Imaging Survey of Satellite Galaxies: Do Satellites Survive in Minor Mergers?*, S. Laine, D. Zaritsky, C. Siopis, **J. Christopher Mihos**, K. Holley-Bockelmann, and R.P. van der Marel, 205th meeting of the American Astronomical Society, San Diego, CA, January 2005
- A25. *Data Mining in Undergraduate Astronomy Courses*, **J. Christopher Mihos**, Research Corporation Cottrell Scholars Conference, Tucson, AZ, July 2004
- A24. *New Results from an Intracluster Star Imaging Survey*, J.J. Feldmeier, **J. Christopher Mihos**, H.L. Morrison, and P. Harding, 203rd meeting of the American Astronomical Society, Seattle, WA, January 2004
- A23. *Computational JavaLabs for Astronomy Education*, **J. Christopher Mihos**, Research Corporation Cottrell Scholars Conference, Tucson, AZ, July 2002
- A22. *Kinematics of Planetary Nebulae in M51's Tidal Tail*, P.R. Durrell, J.J. Feldmeier, R. Ciardullo, G. Jacoby, and **J. Christopher Mihos**, 199th meeting of the American Astronomical Society, Washington, DC, January 2002
- A21. *An HST Study of the double nucleus in the ULIRG NGC 6240*, Joris Gerssen, Roeland van der Marel, Josh Barnes, Lars Hernquist, and **J. Christopher Mihos**, 198th meeting of the American Astronomical Society, Pasadena, CA, June 2001
- A20. *Tidal Tails and Stellar Disk Truncation*, Kelly Holley-Bockelmann and **J. Christopher Mihos**, 198th meeting of the American Astronomical Society, Pasadena, CA, June 2001
- A19. *Computational JavaLabs for Astronomy Education*, **J. Christopher Mihos**, 197th meeting of the American Astronomical Society, San Diego, CA, January 2001
- A18. *Merger-Driven Evolution of Galactic Nuclei: Observations of the Toomre Sequence*, Seppo Laine, Roeland van der Marel, Torsten Böker, **J. Christopher Mihos**, John Hibbard, and Ann Zabludoff, 197th meeting of the American Astronomical Society, San Diego, CA, January 2001
- A17. *First Results from an Intracluster Light Survey*, John Feldmeier, **J. Christopher Mihos**, Heather Morrison, Steve Rodney, and Paul Harding, 197th meeting of the American Astronomical Society, San Diego, CA, January 2001

- A16. *GalCrash: N-body Simulations on the Student Desktop*, **J. Christopher Mihos**, David Caley, and Gregory D. Bothun, 195th meeting of the American Astronomical Society, Atlanta, GA, January 2000
- A15. *Gas/Star Offsets in Tidal Tails*, **J. Christopher Mihos**, 195th meeting of the American Astronomical Society, Atlanta, GA, January 2000
- A14. *Orbital and Structural Evolution of Triaxial Galaxies*, **Kelly Holley-Bockelmann, J. Christopher Mihos**, Steinn Sigurdsson, and **Rebecca Stanek**, 195th meeting of the American Astronomical Society, Atlanta, GA, January 2000
- A13. *A Search for HI in Spectroscopically Selected E+A Galaxies*, Tzu-Ching Chang, Jacqueline van Gorkom, Ann Zabludoff, Dennis Zaritsky, and **J. Christopher Mihos**, 195th meeting of the American Astronomical Society, Atlanta, GA, January 2000
- A12. *The Molecular ISM in Low Surface Brightness Disk Galaxies*, **J. Christopher Mihos**, M. Spaans, and S.S. McGaugh, 193rd meeting of the American Astronomical Society, Austin, TX, January 1999
- A11. *The Tully-Fisher Error Budget at Intermediate Redshift*, Matt Bershadsky and **J. Christopher Mihos**, 191st meeting of the American Astronomical Society, Washington, DC, January 1998
- A10. *Models of Cuspy Triaxial Galaxies*, Steinn Sigurdsson, **J. Christopher Mihos**, Lars Hernquist, and Colin Norman, 191st meeting of the American Astronomical Society, Washington, DC, January 1998
- A9. *Ha Velocity Mapping of Ultraluminous Infrared Galaxies*, **J. Christopher Mihos** and Gregory D. Bothun, 191st meeting of the American Astronomical Society, Washington, DC, January 1998
- A8. *Using Tidal Tails to Probe Dark Matter Halos*, **J. Christopher Mihos**, John Dubinski, and Lars Hernquist, 186th meeting of the American Astronomical Society, Pittsburgh, PA, June 1995
- A7. *Forming X-Shapes in Disk Galaxies Through Minor Mergers*, Ian Walker, **J. Christopher Mihos**, Lars Hernquist, and Michael Bolte, 185th meeting of the American Astronomical Society, Tucson, AZ, January 1995
- A6. *Gaseous Dissipation in Major Mergers*, Lars Hernquist and **J. Christopher Mihos**, 185th meeting of the American Astronomical Society, Tucson, AZ, January 1995
- A5. *Merger-Induced Starbursts and Ultraluminous Infrared Galaxies*, **J. Christopher Mihos** and Lars Hernquist, 185th meeting of the American Astronomical Society, Tucson, AZ, January 1995
- A4. *Gasdynamics and Star Formation in Satellite Galaxy Mergers*, **J. Christopher Mihos** and Lars Hernquist, 183rd meeting of the American Astronomical Society, Washington, DC, January 1994
- A3. *Starbursts in Galaxy Mergers*, **J. Christopher Mihos** and Lars Hernquist, 182nd meeting of the American Astronomical Society, Berkeley, CA, June 1993
- A2. *Models of Star Formation in Interacting and Merging Galaxies*, **J. Christopher Mihos**, Doug Richstone, and Greg Bothun, 179th meeting of the American Astronomical Society, Atlanta, GA, January 1992
- A1. *A Numerical Survey of Star Formation in Interacting Galaxies*, **J. Christopher Mihos**, Doug Richstone, and Greg Bothun, 177th meeting of the American Astronomical Society, Philadelphia, PA, January 1991

INVITED CONFERENCE TALKS

Invited Review talks are denoted by (review)

- I26. *Deep Imaging of the Virgo Cluster*, at the VEGAS Collaboration Meeting, Naples, Italy, July 2022
- I25. *Conference Summary*, at IAU Symposium 355: The Realm of the Low Surface Brightness Universe, Tenerife, Spain, July 2019

- I24. (review) *Deep Imaging of Diffuse Light Around Galaxies and Clusters: Progress and Challenges*, at IAU Symposium 355: The Realm of the Low Surface Brightness Universe, Tenerife, Spain, July 2019
- I23. *Intracluster Light in the Virgo Cluster*, at Stellar Halos Across the Cosmos, Heidelberg, Germany, July 2018
- I22. (review) *Intragroup and Intracluster Light*, at IAU Symposium 317: The General Assembly of Galaxy Halos: Structure, Origin, and Evolution, Honolulu, Hawaii, August 2015
- I21. *Structure, Substructure, and Stellar Populations in the Halos of Virgo Ellipticals*, at Baryons at Low Densities: The Stellar Halos around Galaxies, Garching, Germany, February 2015
- I20. *The Outer Disk and HI Environment of M101*, at The Galactic Gas Supply Workshop, Green Bank, WV, May 2013
- I19. *The Hierarchical Assembly of Virgo Cluster Ellipticals*, at Virgo, Fornax, Coma et al. – Stellar Systems in High Density Environments, Munich, Germany, June 2011
- I18. *Diffuse Light in the Virgo Cluster* at the IAU Joint Discussion on Diffuse Light in Galaxy Clusters, Rio de Janeiro, Brazil, August 2009
- I17. (review) *Using Intracluster Light to Probe Galaxy Clusters*, at the Great Lakes Cosmology Workshop VIII, Columbus, OH, June 2007
- I16. *Galaxy Dynamics: Integrating Research and Education*, keynote talk at the 2006 NSF Astronomy and Astrophysics Postdoctoral Fellowship Symposium, Washington, DC, January 2006
- I15. *Visualizing Galaxy Collisions* at Visualization of Astrophysical Data: Bringing Together Science, Art, and Education, Chicago, IL, May 2005
- I14. *Interaction-Induced Starbursts: Modeling Different Environments* at Starbursts from 30 Doradus to Lyman break galaxies, Cambridge, UK, September 2004
- I13. (review) *The Evolution of Tidal Debris* at IAU Symposium 217: Recycling Intergalactic and Interstellar Matter, Sydney, Australia, July 2003
- I12. *Merger-driven Evolution of Galactic Nuclei* at the Great Lakes Cosmology Workshop VII, Ann Arbor, MI, May 2003
- I11. (review) *Interactions and Mergers of Cluster Galaxies*, in Clusters of Galaxies: Probes of Cosmological Structure and Galaxy Evolution, Carnegie Observatories, Pasadena, CA, January 2003
- I10. (review) *Dynamical Modeling of Merging Galaxies*, in The Structure and Dynamics of Elliptical Galaxies, Ringberg Castle, Munich, Germany, November 2001
- I9. *Dynamical Modeling of Interacting Galaxies: Observations Confront Theory*, at the Topical Session on Interacting Galaxies, 198th meeting of the American Astronomical Society, Pasadena, CA, June 2001
- I8. (review) *The Formation of Present Day Galaxies*, at the Topical Session on Galaxy Formation, American Physical Society meeting, Washington, DC, May 2001
- I7. (review) *Modeling Merger-Induced Star Formation*, in Starburst Galaxies Near and Far, Ringberg Castle, Munich, Germany, October 2000
- I6. (review) *Mergers and Interactions at High Redshift*, in Galaxy Disks and Disk Galaxies, Vatican City, July 2000
- I5. *Do Mergers Make (Normal) Ellipticals?*, in Gas and Galaxy Evolution, Socorro, NM, May 2000
- I4. *Non-Equilibrium Kinematics in Merging Galaxies*, in Dynamics of Galaxies at Low and High Redshift, Paris, France, July 1999
- I3. (review) *Mergers of Galaxies*, in Ultraluminous Infrared Galaxies, Ringberg Castle, Munich, Germany, October 1998

- I2. *Supercomputer Simulations of Interacting Galaxies*, in the annual meeting of the American Association for the Advancement of Science, Philadelphia, PA, February 1998
- I1. *Gasdynamics and Starbursts in Interacting Galaxies*, in IAU Symposium 186: Galaxy Interactions at High and Low Redshift, Kyoto, Japan, August 1997

PUBLIC LECTURES

New Views of the Universe from JWST
The View At Alexandria, 19-Dec-22

New Views of the Universe from JWST
Association for Continuing Education at CWRU, 10-Oct-22

The Violent Lives of Cluster Galaxies
Cleveland Astronomical Society, 6-Feb-20

The Future of the Cosmos
Frontiers of Astronomy Lecture, Cleveland Museum of Natural History, 7-Nov-19

Brewing up Galaxies in a Dog Eat Dog Universe
Happy Dog Bar and Grill, Cleveland OH, 28-Aug-18

The Violent Lives of Cluster Galaxies
Cuyahoga Astronomical Association, 13-Jan-14

Brewing up Galaxies in a Dog Eat Dog Universe
Happy Dog Bar and Grill, Cleveland OH, 25-Jun-13

The Violent Lives of Cluster Galaxies
Baldwin Wallace College Observatory, 26-Oct-12

Building Galaxies in a Hierarchical Universe
Cleveland Astronomical Society, 2-Feb-12

The Violent Lives of Cluster Galaxies
Frontiers of Astronomy Lecture, Cleveland Museum of Natural History, 9-Dec-11

Making Stars and Planets
Origins Science Scholars Lecture, Case Western Reserve University, 9-Nov-11

From Fluctuations to Galaxies
Origins Science Scholars Lecture, Case Western Reserve University, 2-Nov-11

Dark Matter in the Universe (with Dan Akerib)
Great Lakes Brewery, Cleveland, OH, 10-Sep-07

Collisions and Mergers of Galaxies
Cuyahoga County Astronomical Society, 1-Nov-01

Collisions and Mergers of Galaxies
Franklin Club, Akron OH, Apr-00

Interacting Galaxies
Cleveland Astronomical Society, Feb-99

Collisions and Mergers of Galaxies
Frontiers of Astronomy Lecture, Cleveland Museum of Natural History, Dec-97

GRANT FUNDING

Total Grant Funding: \$2,070,815

Probing the Origins of BST1047+1156, the Most Diffuse Star Forming Galaxy (PI)
Space Telescope Science Institute, 1-Jun-22 – 31-May-25, \$53,409

Data Science Modules for Astronomy Education (PI)
CWRU UCITE award, 1-Jun-21 – 31-Dec-22, \$6,144

Galaxies at the Extremes: Ultradiffuse Galaxies in the Virgo Cluster (PI)
Space Telescope Science Institute, 1-Jun-19 – 30-Apr-23, \$35,623

Star Formation and the Cycling of Interstellar Gas Around Nearby Galaxies (PI)
Mount Cuba Astronomical Foundation, 1-Nov-17 – 31-Oct-19, \$33,400

Stellar Populations in the Outer Disk of M101 (PI)
Space Telescope Science Institute, 1-Sep-15 – 30-Aug-18, \$55,279

Looking Back in Time: Echoes of an Ancient Supernova (PI)
CWRU ACES+ Advance Opportunity grant, 1-Apr-13 – 31-Mar-14, \$2,000

Imaging the Outskirts of Nearby Disk Galaxies (PI)
National Science Foundation, 1-Sep-11 – 31-Aug-15, \$353,574

The Phase-Space Structure of Intracluster Light (PI)
National Science Foundation, 15-Jul-07 – 14-Jul-11, \$208,966

Probing Virgo's Intracluster Light (PI)
National Science Foundation, 1-Sep-06 – 31-Aug-11, \$234,556

The Spitzer Interacting Galaxies Survey (co-I)
NASA Spitzer Science Center, 1-Sep-05 – 31-Aug-08, \$14,267

The Evolution of Activity in Massive Gas-Rich Mergers (co-I)
NASA Spitzer Science Center, 1-Sep-04 – 31-Aug-07, \$9,000

Computational JavaLabs for Science Education (co-I)
National Science Foundation, 1-Sep-02 – 31-Aug-06, \$68,913

Using Intracluster Light to Probe Galaxy Clusters (PI)
Research Corporation Cottrell Scholarship, 1-Jul-01 – 30-Jun-06, \$75,000

The Evolution of Galaxies and Galaxy Clusters (PI)
National Science Foundation CAREER award, 1-Jul-99 – 30-Jun-06, \$459,166

Merger-Driven Evolution of Galactic Nuclei (co-I)
Space Telescope Science Institute, 1-Jul-01 – 30-Jun-04, \$9,410

The Evolution of Galaxies Harboring Central Black Holes (PI)
NASA Astrophysics Theory Program, 15-Feb-98 – 14-Feb-02, \$266,683

Nuclear Structure and the Merger-Starburst Connection in NGC 6240: I. Imaging (co-I)
Space Telescope Science Institute, 1-May-99 – 30-Apr-01, \$6,533

The Dynamical Universe (PI)
CWRU Glennan Fellowship, 1-Jun-99 – 30-May-00, \$6,500

Nuclear Brightness Profiles of Mergers (co-I)
Space Telescope Science Institute, 1-Oct-97 – 30-Sep-99, \$24,849

Merger-Driven Evolution of Galaxies (PI)
Hubble Fellowship, Space Telescope Science Institute, 1-Oct-95 – 31-Jan-98, \$153,687

SCIENTIFIC ORGANIZING COMMITTEES

Baryons at Low Density: Stellar Halos around Galaxies, ESO Garching, February 2015
Detecting Dark Matter in the Milky Way, Case Western Reserve, March 2009
Kavli/CERCA Conference on the Future of Cosmology, Case Western Reserve, October 2003
Dynamics of Supermassive Black Hole Binaries, Penn State, November 2002

UNIVERSITY SERVICE

Academic Advisor, Astronomy Majors and Minors, 2021–
Executive Committee, College of Arts and Sciences, 2020–2021
Data Science Steering Committee, 2014–2020
Executive Committee, College of Arts and Sciences, 2016–2018
Faculty Senate Committee on Information Resources, 2010–2013
Committee on Appointments, College of Arts and Sciences 2008–2009
Advisory Committee on Research Computing, 2005–2009 (Chair in 07/08)
Executive Committee, College of Arts and Sciences, 2004–2007 (Chair in 05/06)
Committee on Educational Programs, College of Arts and Sciences, 2002–2005 (Chair in 03/04)
Search Committee for Dean of First Year Students, 2001
First Year Advisor, 1999–2004
UUF Academic Computing Committee, 1999–2001 (Chair in 00/01)

POSTDOCTORAL RESEARCH SUPERVISION

Kelly Holley-Bockelmann, 1999–2001 (now on faculty at Vanderbilt University)
John Feldmeier, 2000–2004 (now on faculty at Youngstown State University)

GRADUATE STUDENT RESEARCH SUPERVISION

Ray Garner: Star formation, metallicity, and stellar populations in M101, 2019–2023 (PhD 2023)
Joseph Curro: Stellar populations in M101, 2017–2018
Aaron Watkins: [The low density outskirts of nearby galaxies](#), 2011–2017 (PhD 2017)
John Kerr: Supernova light echo searches, 2013 (MS 2014)
Craig Rudick: [The formation and evolution of intracluster light](#), 2004–2010 (PhD 2010)

UNDERGRADUATE STUDENT RESEARCH SUPERVISION

Carter Flayhart: Data science modules for astronomy education, 2022
Robby Albrecht: Data science modules for astronomy education, 2021–2022
Keri Wood: M101 variable stars; data science modules, stellar populations (capstone), 2021–2022
Blaise Whitesell: Gaia studies of the Milky Way (capstone), 2018–2019
Christopher Carr: Dwarf galaxy searches and TRGB distance estimates, 2017–2018
Khalil Saleh: Variations in the KPNO night sky brightness (capstone), 2016–2017
Andrew Loach: Searching for transients in astronomical images, 2014
Sean Linden: Simulations of interacting galaxies (capstone), 2013–2014
Maxwell Service: Deep imaging of galaxies, 2011–2012
Chelsea Spengler: Deep imaging in astronomical datasets (capstone), 2010–2012
Tom Connor: Stellar reflections in CFHT imaging (capstone), 2010–2011
Lauren Kahre: Intracluster globular clusters, 2010
Matt McJunkin: Kinematics of diffuse light in galaxy clusters (capstone), 2008, 2009–2010
Emily Joseph: Intracluster globular clusters (capstone), 2009–2010
Louis Susco: GALEX studies of LSB galaxies, 2008–2009
Amit Misra: Dark matter capture by globular clusters (with Starkman), 2008–2009

Colin Slater: Modeling stellar reflections in deep imaging data (capstone), 2008–2009
Lucy Frey: Diffuse light in cluster simulations (capstone), 2007–2008
Steven Janowiecki: Diffuse light in the Virgo Cluster, 2005–2008
Andrew Schechtman-Rook: Diffuse light in cluster simulations, 2006–2007
James Vogel: Javalab programming, 2004–2006
Stuart Robbins: Javalab programming, 2002–2005
Stephanie Bush: Modeling tidal debris (senior thesis), 2003–2004
Colin Wallace: Mass estimates of ellipticals, 2003–2004
Nathan Kaib: Modeling intracluster light (senior thesis) 2001–2002
Cameron McBride: Modeling galaxy clusters, Javalab web development, 1999–2003
Rob Falck: Javalab programming, 1999
Robert Vawter: Javalab programming, 1999
Rebecca Stanek: Kinematics of ellipticals with black holes, 1998
Sean Maxwell: Visualization of colliding galaxy simulations, 1998

INVITED COLLOQUIA

2022: Arizona State University
2020: Ohio State University
2019: University of Wisconsin
2017: Oberlin College
2014: University of Pittsburgh/Carnegie Mellon University
2012: West Virginia University, Harvard University, Ball State University
2011: McMaster University
2010: University of Toledo, University of Indiana
2009: Princeton University, California Institute of Technology, University of Michigan – Dearborn, Vanderbilt University
2008: Michigan State University, Pennsylvania State University, University of Virginia/NRAO
2007: Oberlin College, University of Wisconsin
2005: Wesleyan University, Case Western Reserve University, Columbia University
2004: Ohio State University, Case Western Reserve University, Youngstown State University
2003: Michigan State University, Pennsylvania State University
2002: McMaster University, University of Waterloo, Carnegie-Mellon University, Carnegie Observatories, IPAC/California Institute of Technology, Space Telescope Science Institute
2001: Case Western Reserve University
2000: Max Planck Institute for Extraterrestrial Physics, Carnegie Observatories, Dominion Astrophysical Observatory, University of British Columbia
1999: Oberlin College, Ohio State University, Ohio University, University of Wisconsin, University of Toledo
1998: University of Michigan, Case Western Reserve University

COURSES TAUGHT

ASTR 101: *The Sun and Its Planets* (general education survey course): Fall03, Spring09, Spring13, Fall14, Spring17, Fall20, Spring21

ASTR 151: *Doing Astronomy* (topical seminar for potential majors): Spring04, Spring06, Spring09, Spring12, Spring16, Spring21

ASTR 221: *Stars and Planets* (sophomore level for majors): Fall98, Fall99, Fall00, Fall02, Fall05

ASTR 222: *Galaxies and Cosmology* (sophomore level for majors): Spring99, Spring01, Spring03, Spring04, Spring06, Spring08, Spring11, Spring15, Spring16, Spring18, Spring23

ASTR 306/406: *Astronomical Techniques* (upper level undergraduate majors and graduate students; SAGES Departmental Seminar): Fall01, Fall07, Spring10, Fall11, Fall13, Fall15, Fall17, Spring20, Spring22

ASTR 323/423: *The Local Universe* (upper level undergraduate majors and graduate students): Fall19, Fall21, Fall23

ASTR 327: *Astrophysical Dynamics* (upper level undergraduate majors): Spring00

ASTR/PHYS 328/428: *Cosmology and the Structure of the Universe* (upper level undergraduate majors and graduate students): Spring99, Spring01, Fall04, Fall06, Fall08, Fall10, Fall16, Fall18

ASTR 351: *Astronomy Capstone* (guided research course for senior majors): Fall22

USNA 229: *Astronomical Arguments* (SAGES University Seminar): Spring07, Fall09