

Address and Contact Information

University of Michigan Department of Astronomy
1085 South University Avenue
Ann Arbor MI 48109-1107

734 764-4185 (office)
734 763-6317 (fax)
jonmm@umich.edu

Research Interests

Relativistic effects revealed in accretion flows onto - and jets from - black holes and neutron stars.
The co-evolution of massive black holes and their host environments through feedback.
Stellar tidal disruptions by massive black holes.

Research Positions

Professor of Astronomy, The University of Michigan	2015-
Associate Professor of Astronomy, The University of Michigan	2010-2015
Assistant Professor of Astronomy, The University of Michigan	2005-2010

Awards

Mid-Career Prize, American Astronomical Society (High Energy Astrophysics Division)	2017
AAS/HEAD Dissertation Prize (Awarded to former student Ashley King)	2016
Faculty Recognition Award for Research Excellence, The University of Michigan	2014
NASA Group Achievement Award, NuSTAR Science Team	2014
Distinguished Alumni Award, Illinois School District-303	2013
Chandra/Einstein Postdoctoral Fellowship (declined to accept faculty position)	2005
NSF Astronomy and Astrophysics Postdoctoral Fellowship, Harvard-Smithsonian CfA	2002-2005
William E. Stephens Memorial Physics Prize, The University of Pennsylvania	1997

Education

The Massachusetts Institute of Technology, Cambridge Massachusetts, USA	
Ph.D., Physics, Advisor: Walter H. G. Lewin	2002
The University of Pennsylvania, Philadelphia, Pennsylvania, USA	
Benjamin Franklin Scholar, University Scholar	1997

Scientific Impact

Scientific communications (total)	485
Refereed journal papers	331
Refereed journal papers (leading author)	51
Citations (approximate)	15,000
H-index	63
H-index (leading author)	34

Selected Scientific and Oversight Positions

XARM, Participating Scientist (1 of 5 from the US)	2018-
Science Organizing Committee: From Chandra to Lynx, Cambridge, 2017	2017
AXIS, Co-I, (high resolution X-ray imaging)	2017-
NICER: Affiliated Scientist	2016-
XMM-Newton Observing Time Allocation Committee: Member	2016
ARCUS, Co-I (selected for Phase-A in 2017)	2014-
ATHENA XIFU Instrument Team: Member	2014-
ATHENA Science Team: Chair, Accretion Physics	2013-
NuSTAR Science Team: Member	2012-
Astro-H/Hitomi International Science Working Group: Vice Chair	2009-2017
Astro-H/Hitomi US Science Working Group: Chair	2009-2017
Chandra X-ray Observatory User's Committee: Chair	2011-2015
Suzaku X-ray Observatory User's Group: Chair	2007-2012
ESA Cosmic Visions Decadal Assessment: Reviewer	2012
Science Organizing Committee, COSPAR E1.7, "X-ray Line Spectroscopy", Mysore India	2012
Chandra X-ray Observatory Proposal Review: Panel Chair	2014, 2009
Chandra X-ray Observatory User's Committee: Member	2007-2010
NASA Senior Review of Operating Missions: Presenter, RXTE Science Case	2006

Professional Societies

The American Astronomical Society, and its High Energy Astrophysics Division
The American Physical Society

Current Research Group

Dr. Mark Reynolds	research scientist
Dr. Abigail Stevens, Dr. Bailey Tetarenko	postdoctoral fellows
Dr. Elias Kammoun, Dr. Abderahmen Zoghbi	postdoctoral researchers
Ms. Renee Ludlam, Mr. Nicolas Trueba	graduate students
Mr. Benjamin Lampert, Mr. Anthony Morales	undergraduate researchers

Past Group Members (abridged)

Dr. Edward Cackett	Einstein Fellow; now faculty at Wayne State University
Dr. Nathalie Degenaar	Hubble Fellow; now faculty at The University of Amsterdam
Dr. Kayhan Gultekin	postdoctoral researcher; now faculty at the University of Michigan
Dr. Dipankar Maitra	postdoctoral researcher; now faculty at Wheaton College
Dr. Amy Reines	Hubble Fellow; now faculty at Montana State University
Dr. Rubens Reis	Einstein Fellow; now at KPMG London
Dr. Jennifer Blum	graduate student; now at the Institute for Defense Analysis

Curriculum Vitae

Dr. Jon M. Miller

Dr. Ashley King	graduate student; now Hubble and Kavli Fellow at Stanford University
Mr. Adham El-Batal	undergraduate researcher; now a graduate student at Boston University
Mr. Warren Morningstar	undergraduate researcher; now a graduate student at Stanford University
Dr. Greg Salvesen	undergraduate researcher; now a postdoctoral researcher UC Santa Barbara
Ms. Kimberly Sinclair	undergraduate researcher; now a systems engineer at NASA/JPL

Teaching Experience

Astronomy 101: Introductory Astronomy & The Search for Life	W09, F11, W13, W14, W15, W17
Astronomy 102: Introductory Astronomy & Cosmology	W07, F07, W08, W10, F16
Astronomy 106: "Aliens" (the possibility of life in the universe)	W12
Astronomy 182: The Science and Fiction of Science Fiction	F18
Astronomy 220/420, Frontiers in Astronomy	F12
Astronomy 2XX, "The Science in Science Fiction"	F18
Astronomy 405: Undergraduate High Energy Astrophysics	F06
Astronomy 532: Graduate High Energy Astrophysics	W06, F15, F17

Selected Departmental and University Service

Divisional Evaluation Committee (reviews tenure in the sciences)	2017-2020
Graduate Recruiting and Admissions Chair	2007-2010, 2016-2017
Associate Department Chair for Graduate Studies	2010-2015
Space Renovation and Improvement Committee Chair	2014-2015
High Energy Astrophysics Curriculum Committee Chair	2007-2008
Graduate Qualification and Exam Committee	2006-2009

Diversity, Equity, and Inclusion Efforts

- * Created the Department's "Fall Preview Weekend". This annual event welcomes undergraduates representing excellence and diversity to the University to learn about graduate school.
- * Involved the Department in the Summer Research Opportunities Program (SROP). Students from colleges without research opportunities do research at Michigan through a holistic residential program.
- * Created the Michigan Institute for Research in Astrophysics (MIRA). One of the pillars of this institute is education and DEI seminars are now a major thrust of MIRA.
- * Sponsor and advocate for underrepresented minority students transferring into the University.

References available upon request.

Selected Press Releases

- X-ray Echoes of Shredded Star Provide Close-up of Killer Black Hole June 2016
NASA: <http://www.nasa.gov/feature/goddard/2016/x-ray-echoes-of-a-shredded-star-provide-close-up-of-killer-black-hole>
- Destroyed Star Rains onto Black Hole October 2015
NASA: http://chandra.harvard.edu/press/15_releases/press_102115.html
ESA: <http://sci.esa.int/xmm-newton/56682-artist-s-impression-of-a-tidal-disruption-event/>
YouTube: <https://www.youtube.com/watch?v=hu6hIhW00Ek>
- NuSTAR Captures a Neutron Star that Violates Limits October 2014
NASA: <http://www.nustar.caltech.edu/news/nustar141008>
Nature: <http://www.nature.com/nature/journal/v514/n7521/full/nature13791.html>
- Chandra and XMM-Newton Provide Direct Measurement of Distant Black Hole's Spin March 2014
NASA: http://chandra.harvard.edu/press/14_releases/press_030514.html
Nature: <http://www.nature.com/nature/journal/v507/n7491/full/nature13031.html>
- The Care and Feeding of Black Holes January 2014
AAS: <http://aas.org/media-press/archived-aas-press-conference-webcasts>
BBC: <http://www.bbc.com/news/world-middle-east-25678737>
- G306.3-0.9: NASA's Swift, Chandra Explore a Youthful "Star Wreck" March 2013
NASA: <http://chandra.harvard.edu/photo/2013/g306/>
UMich: <http://www.ns.umich.edu/new/releases/21306-young-supernova-remains-found-by-u-m-astronomer>
- Cry of a Shredded Star Heralds a New Era for Testing General Relativity August 2012
NASA: http://www.nasa.gov/mission_pages/swift/bursts/shredded-star.html
ESA: <http://sci.esa.int/science-e/www/object/index.cfm?fobjectid=50638>
NPR interview: <http://www.thetakeaway.org/2012/aug/22/when-star-dies-does-it-make-noise/>
- NASA's Chandra Finds Fastest Wind from Stellar-Mass Black Hole February 2012
NASA: http://chandra.harvard.edu/press/12_releases/press_022112.html
UMich: <http://www.ns.umich.edu/new/releases/20238-fastest-wind-from-stellar-mass-black-hole-discovered>
- Black Hole Paradox Solved by NASA's Chandra June 2006
NASA: http://chandra.harvard.edu/press/06_releases/press_062106.html
NPR interview: <http://www.npr.org/templates/story/story.php?storyId=5501770>

Selected Talks

<i>Black Holes with XARM</i> , XARM Science Meeting, Nara, Japan	May 2018
<i>Tidal Disruption Events</i> , University of Waterloo Astrophysics Colloquium, Waterloo CA	Apr. 2018
<i>Outflows from Tidal Disruption Events</i> , Martin Rees' 75th Birthday Celebration, Cambridge UK	Sep. 2017
<i>Black Hole Disk Winds</i> , AAS/HEAD Meeting Mid-Career Prize Talk, Sun Valley ID	Aug. 2017
<i>Bright X-ray Sources and the Athena/XIFU</i> , XIFU Consortium Meeting, Toulouse (invited)	Mar. 2017
<i>New Insights into Neutron Stars with NuSTAR</i> , NuSTAR Science Meeting, Caltech (invited)	Nov. 2016
<i>Black Hole Spin</i> , Northern Illinois University Physics Colloquium	Oct. 2016
<i>Black Holes at High Resolution</i> , Chandra's Next Decade, Cambridge MA (invited)	Aug. 2016
<i>Tidal Disruption Events</i> , Washington University Astronomy Colloquium, St. Louis MO	May 2016
<i>Black Holes Across the Mass Scale</i> , JSI/Maryland/GSFC Conference, Annapolis MD (invited)	Oct. 2015
<i>Black Hole Disk Winds</i> , University of Wisconsin Madison Astronomy Colloquium	Oct. 2015
<i>Compact Object Spins</i> , University of Wisconsin Milwaukee Astronomy Colloquium	May 2015
<i>Black Hole Outflows</i> , University of Maryland Astronomy Colloquium, College Park MD	Dec. 2014
<i>Black Hole X-ray Binaries</i> , 15 Years of Science with Chandra, Boston MA	Nov. 2014
<i>Black Hole Outflows</i> , Stanford/KIPAC Colloquium, Palo Alto CA	Oct. 2014
<i>Black Holes with Astro-H</i> , 12 th Astro-H Science Meeting, Paris, France (invited review)	Jul. 2014
<i>Neutron Star Transients</i> , MAXI-Suzaku Conference, Matsuyama, Japan (invited review)	Feb. 2014
<i>The Spin of the Black Hole GRS 1915+105</i> , AAS/HEAD Meeting, Monterey CA	Apr. 2013
<i>Black Hole Spin and Disk Reflection with RXTE</i> , 16 years of RXTE, NASA GSFC (invited)	Feb. 2012
<i>X-ray Surveys and Accretion with Swift</i> , Time Domain Astrophysics with Swift, Clemson (invited)	Oct. 2011
<i>Black Hole Accretion</i> , NASA Goddard Scientific Colloquium	Oct. 2011
<i>The Tidal Disruption Candidate Swift J164449.3</i> , AAS/HEAD Meeting, Newport, RI	Sep. 2011
<i>Quasars for the Impatient</i> , Suzaku Science Conference, Stanford (invited review)	Jul. 2011
<i>The Neutron Star Equation of State</i> , Penn State University Gravitational Seminar	Mar. 2011
<i>Stellar Mass Black Holes</i> , Astro-H Summer School, Atami, Japan	Aug. 2011
<i>Black Hole Spin</i> , University of Illinois Astronomy Colloquium, Champaign IL	Dec. 2010
<i>Black Hole Spin in X-rays</i> , 216 th AAS Meeting, Miami FL (invited plenary)	May 2010
<i>Relativistic X-ray Emission Lines</i> , <i>X-ray Spectroscopy: Past, Present, and Future</i> , Utrecht (invited review)	Mar. 2010
<i>A Hard Look at Disk-Jet Connections</i> , 11 th AAS/HEAD Meeting, Kona HI	Mar. 2010
<i>Compact Objects with Astro-H</i> , 3 rd Astro-H Science Meeting, Tokyo Japan	Feb. 2010
<i>Three Points on Black Hole Accretion, Matter and EM Fields in Strong Gravity</i> , University of Maryland	Aug. 2009
<i>Relativistic Disk Lines</i> , <i>The Energetic Cosmos, from Suzaku to Astro-H</i> , Otaru, Japan (invited review)	Jun. 2009
<i>Evidence For and Against IMBHs</i> , <i>IMBHs: from First Light to AGN</i> , Irvine CA (invited review)	Apr. 2009
<i>Measuring Black Hole Spin</i> , Stanford/KIPAC Joint Astronomy Colloquium, Palo Alto CA	Nov. 2008
<i>Relativistic Spectroscopy of Black Holes</i> , <i>Putting Gravity to Work</i> , Cambridge UK (invited review)	Aug. 2008
<i>Disk-Jet Connections in Black Holes</i> , COSPAR, Montreal CA (invited review)	Jul. 2008
<i>Relativistic Iron Lines and Black Hole Spin</i> , COSPAR, Montreal CA (invited review)	Jul. 2008

Publications

ApJ (L)	The Astrophysical Journal (L = Letters)
A&A	Astronomy and Astrophysics
MNRAS	Monthly Notices of the Royal Astronomical Society
PASJ	Proceedings of the Astronomical Society of Japan
SPIE	Publication of the Society of Photographic Instrumentation Engineers

Authors in italics are postdoctoral researchers and students in the Miller group.

Refereed Journal Publications

331. “Constraining the Inclination of the Low-mass X-ray Binary Cen X-4”
Hammerstein, E., Cackett, E., Reynolds, M., **Miller, J. M.**, 2018, MNRAS, 478, 4317
330. “X-ray Structure Between the Innermost Disk and Optical Broad Line Region in NGC 4151”
Miller, J. M., Cackett, E., *Zoghbi, A.*, et al., 2018, ApJ, in press, arxiv:1808.07435
329. “NICER Discovers mHz Oscillations in the ‘Clocked’ Burster GS 1826-238”
Strohmayer, T., Gendreau, K., Altamirano, D., et al., incl., **Miller, J. M.**, 2018, ApJ, in press, arxiv:1808.04294
328. “Concept of the X-ray Astronomy Recovery Mission”
Tashiro, M., Maejima, H., Toda, K., et al., incl. **Miller, J. M.**, 2018, SPIE, 10699, 22
327. “The ATHENA X-ray Integral Field Unit (X-IFU)”
Barret, D., Lam Trong, T., den Herder, J.-W., et al., incl. **Miller, J. M.**, 2018, SPIE, 10699, 1
326. “A NICER Spectrum of MAXI J1535-571: Black Hole Spin and Potential Disk Warping”
Miller, J. M., *Ludlam, R.*, et al., 2018, ApJ, 860, L28
325. “The 1.5 Ms Observing Campaign on IRAS 13224-38098-I. X-ray Spectral Analysis”
Jiang, J., Parker, M., et al., incl. **Miller, J. M.**, 2018, MNRAS, 477, 3711
324. “The Imprints of AGN Feedback Within a Supermassive Black Hole’s Sphere of Influence”
Russell, H., Fabian, A., McNamara, B., **Miller, J. M.**, Nulsen, P., Piotrowska, J., Reynolds, C., 2018, MNRAS, 477, 3583
323. “The Hard State of the Obscured High Inclination Black hole Binary Candidate MAXI J1658.2-4242 Observed with NuSTAR and Swift”
Xu, Y., Harrison, F., et al., incl. **Miller, J. M.**, 2018, ApJ, subm., arxiv:1805.07705

322. “Continued Cooling of the Accretion-Heated Neutron Star Crust in the X-ray Transient IGR J17480-2446 Located in the Globular Cluster Terzan 5”

Vats, S., et al., incl. **Miller, J. M.**, 2018, MNRAS, subm., arxiv:1805.006100

321. “A NICER Look at the Aql X-1 Hard State”

Bult, P., Azroumanian, Z., Cackett, E., et al., incl. **Miller, J. M.**, 2018, ApJ, 859, L1

320. “Hitomi X-ray Observation of the Pulsar Wind Nebula G21.5-0.9”

The Hitomi Collaboration, incl. **Miller, J. M.**, 2018, PASJ, 70, 38

319. “Glimpse of the Highly Obscured HMXB IGR J16318-4848 with Hitomi”

The Hitomi Collaboration, incl. **Miller, J. M.**, 2018, PASJ, 70, 17

318. “Hitomi Observations of the LMC SNR N132D: Highly Redshifted X-ray Emission from Iron Ejecta”

The Hitomi Collaboration, incl. **Miller, J. M.**, 2018, PASJ, 70, 16

317. “Atomic Data and Spectral Modeling Constraints from High-Resolution X-ray Observations of the Perseus Cluster with Hitomi”

The Hitomi Collaboration, incl. **Miller, J. M.**, 2018, PASJ, 70, 12

316. “Temperature Structure in the Perseus Cluster Core Observed with Hitomi”

The Hitomi Collaboration, incl. **Miller, J. M.**, 2018, PASJ, 70, 11

315. “NICER Observes the Effects of an X-ray Burst on the Accretion Environment in Aql X-1”

Keek, L., Arzoumanian, Z., Bult, P., et al., incl. **Miller, J. M.**, 2018, ApJ, 855, L4

314. “Alternative Explanations for Extreme Supersolar Iron Abundances Inferred from the Energy Spectrum of Cyg X-1”

Tomsick, J., Parker, M., Garcia, J., et al., incl. **Miller, J. M.**, 2018, ApJ, 855, 3

313. “Detection of Reflection Features in the Neutron Star Low-mass X-ray Binary Serpens X-1 with NICER”

Ludlam, R., **Miller, J. M.**, Arzoumanian, Z., et al., 2018, ApJ, 858, L5

312. “Absence of Reflection Features in NUSTAR Spectra of the Luminous Neutron Star X-ray Binary GX 5-1”

Homan, J., Steiner, J., Lin, D., Fridrikson, J., Remillard, R., **Miller, J. M.**, *Ludlam, R.*, 2018, apJ, 853, 157

311. “Hitomi Observations of Radio Galaxy NGC 1275: The First X-ray Microcalorimeter Spectroscopy of Fe K-alpha Line Emission from an Active Galactic Nucleus”

The Hitomi Collaboration, incl. **Miller, J. M.**, et al., 2018, PASJ, 70, 13

310. “Reflection Spectra of the Black Hole Binary Candidate MAXI J1535-571 in the Hard State Observed with NuSTAR”

Xu, Y., Harrison, F., Garcia, J., Fabian, A., Fuerst, F., Gandhi, P., Grefenstette, B., **Miller, J. M.**, Tomsick, J., Walton, D., 2018, *ApJ*, 852, L34

309. “Atmospheric Gas Dynamics in the Perseus Cluster Observed with Hitomi”
The Hitomi Collaboration, incl. **Miller, J. M.**, et al., 2018, *PASJ*, 70, 9

308. “Measurements of Resonant Scattering in the Perseus Cluster Core with Hitomi SXS”
The Hitomi Collaboration, incl. **Miller, J. M.**, et al., 2018, *PASJ*, 70, 10

307: “Hitomi X-ray Studies of Giant Radio Pulses from the Crab Pulsar”
The Hitomi Collaboration, incl. **Miller, J. M.**, et al., 2018, *PASJ*, 70, 15

306. “Radio Emission from the X-ray Pulsar Her X-1: A Jet Launched by a Strong Magnetic Field Neutron Star?”
Van den Eijnden, et al., incl. **Miller, J. M.**, 2018, *MNRAS*, 473, L141

305. “Discovery of Radio Emission from the Symbiotic X-ray Binary System GX 1+4”
van den Eijnden, J., et al., incl. **Miller, J. M.**, 2018, *MNRAS*, 474, L91

304. “Arcus: Exploring the Formation and Evolution of Clusters, Galaxies, and Stars”
Smith, R., et al., incl. **Miller, J. M.**, 2017, *SPIE*, 10397, 0

303. “Density Diagnostics of Ionized Outflows in Active Galactic Nuclei. X-ray and UV Absorption Lines from Metastable Levels in Be-like to C-like Ions”
Mao, J., Kaastra, J., Mehdipour, M., Raassen, A., Gu, L., **Miller, J. M.**, 2017, *A&A*, 607, 100

302. “Solar Abundance Ratios of the Iron Peak Elements in the Perseus Cluster”
The Hitomi Collaboration, incl. **Miller, J. M.**, 2017, *Nature*, 551, 478

301. “Extreme Quiescent Variability of the Transient Neutron Star Low-mass X-ray Binary EXO 0745-248 in Terzan 5”
Rivera Sandoval, L. E., et al., incl. **Miller, J. M.**, 2018, *MNRAS*, *MNRAS*, 479, 2779

300. “Chandra Imaging of the Outer Accretion Flow onto the Black Hole at the Center of the Perseus Cluster”
Miller, J. M., Bautz, M. W., McNamara, B. R., 2017, *ApJ*, 850, L3

299. “Arcus: The X-ray Grating Spectrometer Explorer”
Smith, R. K., and a team including **Miller, J. M.**, 2016, *SPIE*, 9905, 4

298. “The Astro-H X-ray Astronomy Satellite”
Takahashi, T., et al., on behalf of the Hitomi Collaboration, incl. **Miller, J. M.**, 2017, *Journal of Astronomical Telescopes, Instruments, and Systems*, 2017, subm.

297. “Spectral and Timing Properties of IGR J17091-3624 in the Rising Hard State During its 2016 Outburst”

Xu, Y., Garcia, J., Furst, F., Harrison, F., Walton, D., Tomsick, J., Bachetti, M., King, A., Madsen, K., **Miller, J. M.**, Grinbert, V., 2017, *ApJ*, 851, 103

296. “Evidence for the Ultra-Compact Nature of IGR J17062-6143”
Hernandez Santisteban, J. et al., incl. **Miller, J. M.**, 2018, *MNRAS*, *in press*.

295. “The Very-Faint X-ray Binary IGR J17062-6143: A Truncated Disk, No Pulsations, and a Possible Outflow”
Van den Eijnden, J., et al., incl. **Miller, J. M.**, 2018, *MNRAS*, 475, 2027

294. “Mid-UV Studies of the Transitional Millisecond Pulsars XSS 12270-4859 and PSR J1023+0038 During Their Radio Pulsar States”
Rivera Sandoval, L. E., Wijnands, R., **Miller, J. M.**, et al., 2018, *MNRAS*, 476, 1086

293. “Different Heating of the Neutron Star Crust Due to Accretion During Multiple Outbursts of MAXI J0556-332”
Parikh, A., et al., incl. **Miller, J. M.**, 2017, *ApJ*, 851, L28

292. “A NuSTAR Observation of the Low-Mass X-ray Binary GX 349+2 Throughout the Z Track”
Coughenour, B., Cackett, E., **Miller, J. M.**, 2018, *ApJ*, *in press*, arxiv:1708.01652

291. “Truncation of the Accretion Disk at One Third of the Eddington Limit in the Neutron Star X-ray Binary Aquila X-1”
Ludlam, R., **Miller, J. M.**, et al., 2017, *ApJ*, 847, 135

290. “The Case for Low Black Hole Spin in the AGN Ton S180”
Parker, M. L., **Miller, J. M.**, Fabian, A. C., 2018, *MNRAS*, 474, 1538

289. “Search for Thermal X-ray Features from the Crab nebula with Hitomi Soft X-ray Spectrometer”
The Hitomi Collaboration, incl. **Miller, J. M.**, 2018, *PASJ*, 70, 14

288. “Relativistic Disk Reflection in the Neutron Star X-ray Binary XTE J1709-267 with NuSTAR”
Ludlam, R., **Miller, J. M.**, Cackett, E., Degenaar, N., Bostrom, A., 2017, *ApJ*, 838, 79

287. “The response of relativistic outflowing gas to the inner accretion disk of a black hole”
Parker, M. L., Pinto, C., Fabian, A., and a team incl. **Miller, J. M.**, 2017, *Nature*, 543, 83

286. “A Long Look at MCG-5-23-16 with NuSTAR: I- Relativistic Reflection and Coronal Properties”
Zoghbi, A., Matt, G., **Miller, J. M.**, et al., 2017, *ApJ*, 836, 2

285. “A Hard Look at the Neutron Stars and Accretion Disks in 4U 1636-53, GX 17+2, and 4U 1705-44 with NuSTAR”
Ludlam, R., M., **Miller, J. M.**, et al., 2017, *ApJ*, 836, 140

284. “Accretion Physics: It’s not U, it’s B”

Miller, J. M., 2017, *Nature Astronomy*, 1, 0070

283. “A Deep Chandra Observation of the Compact Starburst Galaxy Henize 2-10: X-rays from the Massive Black Hole”

Reines, A., Reynolds, M., Miller, J. M., Sivakoff, G., Greene, J., Hickox, R., Johnson, K., 2016, *ApJ*, 830, L35

282. “The Broadband Spectral Variability of Holmberg IX X-1”

Walton, D., Fuerst, F., Harrison, F., Middleton, M., Fabian, A., Bachetti, M., Barret, D., Miller, J. M., Ptak, A., Rana, V., Stern, D., Tao, L., 2017, *ApJ*, 839, 105

281. “ARCUS: The X-ray Grating Spectrometer Explorer”

Smith, R. K., et al., incl. **Miller, J. M.**, 2016, *SPIE*, 9905

280. “Ultraluminous X-ray bursts in two ultra-compact companions to nearby elliptical galaxies”

Irwin, J. A., et al., incl. **Miller, J. M.**, 2016, *Nature*, 538, 356

279. “The Disk-Wind Connection During the Heartbeats of GRS 1915+105”

Zoghbi, A., Miller, J. M., et al., 2016, *ApJ*, 833, 165

278. “GRS 1739-278 Observed at a Very Low Luminosity with XMM-Newton and NuSTAR”

Fuerst, F., Tomsick, J., Yamaoka, K., Dauser, T., Miller, J. M., et al., *ApJ*, 2016, 832, 115

277. “Discovery of Coherent Pulsations from the Ultraluminous X-ray Source of NGC 7793 P13”

Fuerst, F., et al., incl. **Miller, J. M.**, 2016, *ApJ*, 2016, 831, L14

276. “Potential Cooling of an Accretion-heated Neutron Star Crust in the Low-Mass X-ray Binary 1RXS J180408.9-342058”

Parikh, A. A., Wijnands, R., et al., incl. **Miller, J. M.**, 2017 *MNRAS*, 466, 4074

275. “Living on a Flare: Relativistic Reflection in V404 Cyg Observed by NuSTAR During its Summer 2015 Outburst”

Walton, D., Mooley, K., King, A., Tomsick, J., Miller, J. M., et al., 2017, *ApJ*, 839, 110

274. “The Thermal State of KS 1730-260 after 14.5 Years in Quiescence”

Merritt, R., Cackett, E., et al., incl. **Miller, J. M.**, 2016, *ApJ*, 833, 186

273. “Hitomi Constraints on the 3.5 keV Line in the Perseus Galaxy Cluster”

The Hitomi Collaboration, incl. **Miller, J. M.**, 2017, *ApJ*, 837, L15

272. “Disk Reflection and a Possible Disk Wind During a Soft X-ray State in the Neutron Star Low-Mass X-ray Binary 1RXS J180408.9-342058”

Degenaar, N., Altamirano, D., Parker, M., Miller-Jones, J., Miller, J. M., 2016, *MNRAS*, 461, 4049

271. “An In-Depth Study of a Neutron Star Accreting at a low Eddington Rate: On the Possibility of a Truncated Disk and an Outflow.”

Degenaar, N., Pinto, C., Miller, J. M., et al., 2017, MNRAS, 464, 398

270. “A Broadband X-ray Spectral Study of the Intermediate-mass Black Hole Candidate M82 X-1 with NuSTAR, Chandra, and Swift”

Brightman, M., et al., incl. **Miller, J. M.**, 2016, ApJ, 829, 28

269. “A NuSTAR Observation of the Reflection Spectrum of the Low-Mass X-ray Binary 4U 1728-34”

Sleator, C., Tomsick, J., King, A., **Miller, J. M.**, et al., 2016, ApJ, 827, 134

268. “An Iron K Component to the Ultrafast Outflow in NGC 1313 X-1”

Walton, D. J., et al., incl. **Miller, J. M.**, 2016, ApJ, 826, L26

267. “Relativistic Reverberation in the Accretion Flow of a Tidal Disruption Event”

Kara, E., **Miller, J. M.**, Reynolds, C. Dai, L., 2016, Nature, 535, 388

266. “The Quiescent Intracluster Medium in the Core of the Perseus Cluster”

The Hitomi Collaboration, incl. **Miller, J. M.**, 2016, Nature, 535, 117

265. “NuSTAR Observations of the Black Hole GS 1354-645: Evidence of Rapid Black Hole Spin”

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