

Elizabeth L. Blanton

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Boston, MA 02215

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PROFESSIONAL EXPERIENCE

2024 – present Professor of Astronomy, Boston University
2013 – 2024 Associate Professor of Astronomy, Boston University
2015 – 2022 Director, Institute for Astrophysical Research, Boston University
2009 – 2013 Assistant Professor of Astronomy, Boston University
2010, 2017 (Fall semester sabbaticals) Visiting Scientist, Center for Astrophysics
| Harvard & Smithsonian
2004 – 2009 *Clare Boothe Luce* Assistant Professor of Astronomy,
Boston University
2001 – 2004 *Chandra* Postdoctoral Fellow, University of Virginia
2000 – 2001 Postdoctoral Research Associate, University of Virginia
1999 – 2000 Postdoctoral Research Associate in Observational Cosmology,
Carnegie Mellon University

EDUCATION

2000 Ph.D., Astronomy, Columbia University
Thesis: “Bent-Double Radio Sources As Tracers of Clusters of Galaxies”
Advisor: David J. Helfand
1996 M.Phil., Astronomy, Columbia University
1996 M.A., Astronomy, Columbia University
1993 A.B., Astronomy (Cum Laude) and French, Vassar College
Thesis: “VRI Photometry of the Type II-P Supernova 1991G”
Advisor: Frederick R. Chromey
1990 – 1991 Center for University Programs Abroad, Paris, France

AWARDS / HONORS

Legacy Fellow of the American Astronomical Society, 2020
Kavli Fellow, National Academy of Sciences, 2013
Clare Boothe Luce Assistant Professorship, 2004 – 2009
Chandra Postdoctoral Fellow, NASA, 2001 – 2004
Undergraduate thesis award, Astronomical Society of New York, 1993

RESEARCH INTERESTS

Clusters of galaxies
Physics of the intracluster medium
Radio galaxies
Active galactic nucleus feedback
Galaxy formation and evolution
Cosmology
Observations in the X-ray, radio, optical, and infrared

PROFESSIONAL MEMBERSHIPS

2015 – present International Astronomical Union
(Member of Division D: High Energy Phenomena and Fundamental Physics, Division J: Galaxies and Cosmology, Cross-Division D-J: Commission Supermassive Black Holes, Feedback, and Galaxy Evolution)
1994 – present High Energy Astrophysics Division, American Astronomical Society
1992 – present American Astronomical Society

OBSERVING EXPERIENCE

A total of 22 observing runs for optical / NIR imaging and spectroscopy.
Optical Imaging: MDM 2.4 m, Lowell 1.8 m, LDT 4.3 m, KPNO 4 m, 2.1 m, and 0.9 m telescopes.
Optical Spectroscopy: Keck II 10 m, MDM 2.4 m, and KPNO 4 m telescopes.
NIR Imaging: MDM 2.4 m and KPNO 2.1 m telescopes.

ALLOCATED OBSERVATIONS: X-RAY RADIO OPTICAL NIR/IR

Chandra X-ray Observatory, Cycle 23, “A Chandra Legacy Observation of Abell 2029,” 424 ksec (Large Project), 2021, PI
Chandra X-ray Observatory, Cycle 21, “A $z=1.8$ Cluster in the Clusters Occupied by Bent Radio AGN (COBRA) Survey,” 100 ksec, 2019, PI
Hubble Space Telescope, Cycle 27, “A $z=1.8$ Cluster in the Clusters Occupied by Bent Radio AGN (COBRA) Survey,” 2 orbits, 2019, PI
Chandra X-ray Observatory, 2019, “White Paper: CATs from the COBRA Survey” (COBRA cool targets), PI
XMM-Newton X-ray Observatory, Cycle 17, “High-Redshift COBRA Clusters of Galaxies,” 2017, 62 ksec, PI
Chandra X-ray Observatory, Cycle 17, “Bending of WAT Radio Lobes in Abell 623 Through ICM Sloshing,” 2015, 52 ksec, PI
Lowell Observatory, 4.3 m Lowell Discovery Telescope, optical imaging with the LMI, “Probing Clusters of Galaxies Early in the Universe Using Multi-Wavelength Observations,” Apr. 2013, Nov. 2013, Apr. 2014, Feb. 2015, Apr. 2015, Oct. 2015, March 2016, Dec. 2016, Feb. 2017, Apr. 2017, Dec. 2017, Feb. 2018, Apr. 2018, 39 nights, PI
Spitzer Space Telescope, Cycle 8, Snapshot Proposal, “A Targeted, Distant ($z>0.7$) Cluster Survey, Using Bent, Double-Lobed Radio Sources,” 2011, 113.1 hours, PI
Kitt Peak National Observatory, 4 m telescope, NIR imaging with FLAMINGOS, “Radio Selected Clusters of Galaxies at High Redshift,” Nov. 2010, 4 nights, J. D. Wing (graduate student) as PI
Kitt Peak National Observatory, 4 m telescope, NIR imaging with FLAMINGOS, “Radio Selected Clusters of Galaxies at High Redshift,” Apr. 2010, 4 nights, J. D. Wing (graduate student) as PI
Lowell Observatory, 1.8 m telescope, optical imaging, “Bent-Double Radio Sources as Tracers of Distant Clusters of Galaxies,” 2010, 3 nights, PI
Kitt Peak National Observatory, 4 m telescope, NIR imaging with NEWFIRM, “Radio Selected Clusters of Galaxies at High Redshift,” 2009, 4 nights, J. D. Wing (graduate student) as PI
Lowell Observatory, 1.8 m telescope, optical imaging, “Bent-Double Radio Sources as Tracers of Distant Clusters of Galaxies,” 2009, 4 nights, PI
Chandra X-ray Observatory, Cycle 10, “Shocks, Ripples, and Bubbles: A Deep Observation of Abell 2052,” 2008, 500 ksec, PI
Lowell Observatory, 1.8 m telescope, optical imaging, “Bent-Double Radio Sources as Tracers of Distant Clusters of Galaxies,” 2007, 4 nights, PI

**ALLOCATED
OBSERVATIONS:
X-RAY
RADIO
OPTICAL
NIR/IR
(cont.)**

- Chandra* X-ray Observatory, Cycle 8, “Ripples, Fronts, Bubbles, and a Tunnel: A Deep Observation of Abell 262,” 2006, 120 ksec, PI
- Lowell* Observatory, 1.8 m telescope, optical imaging, “Bent-Double Radio Sources as Tracers of Distant Clusters of Galaxies,” 2006, 4 nights, PI
- Chandra* X-ray Observatory, Cycle 7, “The Formation of Wide-Angle Tailed Radio Sources: Interaction Between the Radio Lobes and the Intracluster Medium,” 2005, 52 ksec, PI
- Chandra* X-ray Observatory, Cycle 6, “Bubbles and B-Flats: A Deep Observation of Abell 2052,” 2004, 130 ksec, PI
- Chandra* X-ray Observatory, Cycle 5, “What Bends the Lobes of WAT Radio Sources in Isolated Environments – Are They in Fossil Groups?” 2003, 85 ksec, Science PI
- Chandra* X-ray Observatory, Cycle 5, “The Formation of Wide-Angle Tailed Radio Sources: Interaction Between the Radio Lobes and the Intracluster Medium,” 2003, 58 ksec, Science PI
- XMM-Newton*, Cycle 3, “The Physics of Cooling Flow Clusters with Central Radio Sources,” 2003, 100 ksec, First Co-I
- XMM-Newton*, Cycle 3, “The Complex Dynamics of the Thermal and Nonthermal Intracluster Gas,” 2003, 88 ksec, First Co-I
- Australia Telescope Compact Array*, “The Radio Source / ISM Interaction in the S0 Galaxy NGC 1553,” 2003, 12 hr., PI
- Chandra* X-ray Observatory, Cycle 4, “A High-Redshift ($z=0.95$) Cluster Revealed by a *FIRST* Bent-Double Radio Source,” 2002, 20 ksec, Science PI
- XMM-Newton*, Cycle 2, “A High-Redshift ($z=0.95$) Cluster Revealed by a *FIRST* Bent-Double Radio Source,” 2002, 38 ksec, Science PI
- XMM-Newton*, Cycle 2, “The Physics of Cooling Flow Clusters with Central Radio Sources,” 2002, 63 ksec, First Co-I
- Chandra* X-ray Observatory, Cycle 3, “The Interaction Between Cluster Central Radio Sources and Cooling Flows,” 2001, 26 ksec, First Co-I
- Chandra* X-ray Observatory, Cycle 2, “The Interaction Between Cluster Central Radio Sources and Cooling Flows,” 2000, 68 ksec, First Co-I
- MDM Observatory*, 2.4 m telescope, optical imaging and spectroscopy, “The Richness and Structure of the MPC Environments of Bent FR I and FR II Radio Galaxies from *FIRST*,” 1999, 7 nights, PI
- Chandra* X-ray Observatory, Cycle 1, “Bent-Double Radio Galaxies: Signposts for the High Density Universe,” 1998, 40 ksec, First Co-I
- Chandra* X-ray Observatory, Cycle 1, “G29.7-0.3: A Supernova Remnant Like it Otta Be,” 1998, 40 ksec, First Co-I
- MDM Observatory*, 2.4 m telescope, optical imaging and spectroscopy, NIR imaging, “The Richness and Structure of the MPC Environments of Bent FR I and FR II Radio Galaxies from *FIRST*,” 1998, 10 nights, PI
- Kitt Peak National Observatory*, 2.1 m telescope, optical and NIR imaging, “The Environments of Bent Double Radio Galaxies and the Search for Distant Clusters,” 1997, 8 nights, PI
- ROSAT* X-ray Observatory, Cycle 7, “Radio-Selected, High-Redshift Clusters,” 1996, 80 ksec, First Co-I
- Kitt Peak National Observatory*, 2.1 m telescope, optical imaging, “Bent Double Radio Galaxies and the Search for Distant Clusters,” Nov. 1996, 4 nights, PI

**GRANTS
as PI or
SCIENCE PI**

- MASGC Massachusetts Space Grant for graduate student Courtney Watson, “The High-Redshift Clusters Occupied by Bent Radio AGN (COBRA) Survey: Follow-up HST Grism Observations of a $z=1.8$ Cluster Candidate,” 6/1/2023 – 8/31/2023, PI, \$7500
- MASGC Massachusetts Space Grant for graduate student Courtney Watson, “A Distant Cluster of Galaxies Located Using a Quasar as a Signpost: Analysis of Hubble Space Telescope and Chandra X-ray Observatory Data,” 1/1/2023 – 5/31/2023, PI, \$3500
- MASGC Massachusetts Space Grant for graduate student Courtney Watson, “A Distant Cluster of Galaxies Located Using a Quasar as a Signpost: Analysis of Hubble Space Telescope and Chandra X-ray Observatory Data,” 9/1/2022 – 12/31/2022, PI, \$3500
- MASGC Massachusetts Space Grant for graduate student Courtney Watson, “A Distant Cluster of Galaxies Located Using a Quasar as a Signpost: Analysis of Hubble Space Telescope and Chandra X-ray Observatory Data,” 6/1/2022 – 8/31/2022, PI, \$7500
- NASA / *Chandra* X-ray Observatory, Cycle 23, “A Chandra Legacy Observation of Abell 2029,” 424 ksec (Large Project), 2022 – 2024, PI, \$165,990
- MASGC Massachusetts Space Grant for graduate student Courtney Watson, “Galaxy Cluster Environments of Distorted Radio Jets Driven by Supermassive Black Holes,” 3/15/2022 – 5/31/2022, PI, \$3500
- MASGC Massachusetts Space Grant for graduate student Courtney Watson, “Galaxy Cluster Environments of Distorted Radio Jets Driven by Supermassive Black Holes,” 9/1/2021 – 12/31/2021, PI, \$3500
- MASGC Massachusetts Space Grant for graduate student Courtney Watson, “Galaxy Cluster Environments of Distorted Radio Jets Driven by Supermassive Black Holes,” 6/1/2021 – 8/31/2021, PI, \$3500
- NASA / *HST* / STScI, Cycle 27, “A $z=1.8$ Cluster in the Clusters Occupied by Bent Radio AGN (COBRA) Survey,” 2020 – 2023, 2 orbits, PI, \$36,782
- NASA / *Chandra* X-ray Observatory, Cycle 21, “A $z=1.8$ Cluster in the Clusters Occupied by Bent Radio AGN (COBRA) Survey,” 2020 – 2022, 100 ksec, PI, \$65,000
- NASA / *HST* / STScI, Einstein/Hubble Fellowship for Dr. Shuo Zhang, “Supermassive Black Hole and Exotic Physics in the Galactic Nuclei of Local Galaxies,” 2019 – 2020, Budget PI (Science PI, Shuo Zhang), \$121,658
- NASA / *XMM-Newton* X-ray Observatory, Cycle 17, “High-Redshift COBRA Clusters of Galaxies,” 2019 – 2021, 62 ksec, PI, \$70,050
- NSF, supplement to “Cluster and Group Environments of Radio Galaxies,” 2017 – 2019, PI, \$32,367
- NASA / *Chandra* X-ray Observatory, Cycle 17, “Bending of WAT Radio Lobes in Abell 623 Through ICM Sloshing,” 2016 – 2018, 52 ksec, PI, \$42,842
- NSF, “Cluster and Group Environments of Radio Galaxies,” 8/2013 – 7/2019, PI, \$459,314
- NASA / *Spitzer Space Telescope*, Cycle 8, “A Targeted, Distant ($z>0.7$) Cluster Survey, Using Bent, Double-Lobed Radio Sources,” 2011 – 2014, 113.1 hours, PI, \$77,860 (\$10,800 to Co-I M. Ashby)
- NASA Astrophysics Data Analysis, “X-ray Cluster Environments of Radio Sources,” 1/2010 – 12/2013, PI, \$328,470
- NASA / *Chandra* X-ray Observatory, Cycle 10, “Shocks, Ripples, and Bubbles: A Deep Observation of Abell 2052,” 2009 – 2012, 500 ksec, PI, \$154,209
- Clare Boothe Luce Assistant Professorship*, 2004 – 2009, PI, \$571,422 (academic year salary and small research allowance)

**GRANTS
as PI or
SCIENCE PI
(cont.)**

- NASA / *Chandra* X-ray Observatory, Cycle 8, “Ripples, Fronts, Bubbles, and a Tunnel: A Deep Observation of Abell 262,” 2006, 120 ksec, PI, \$51,868
- NASA / *Chandra* X-ray Observatory, Cycle 7, “The Formation of Wide-Angle Tailed Radio Sources: Interaction Between the Radio Lobes and the Intra-cluster Medium,” 2006, 52 ksec, PI, \$53,250
- NASA / *Chandra* X-ray Observatory, Cycle 6, “Bubbles and B-Flats: A Deep Observation of Abell 2052,” 2006, 130 ksec, PI, \$58,792
- Chandra* Postdoctoral Fellowship, “Interactions Between Radio Lobes and X-ray Gas in Clusters and Groups,” 2001 – 2004, PI, \$229,282
- NASA / *Chandra* X-ray Observatory, Cycle 5, “The Formation of Wide-Angle Tailed Radio Sources: Interaction Between the Radio Lobes and the Intra-cluster Medium,” 2004, 58 ksec, PI, \$37,417
- NASA / *Chandra* X-ray Observatory, Cycle 5, “What Bends the Lobes of WAT Radio Sources in Isolated Environments – Are They in Fossil Groups?” 2003, 85 ksec, Science PI, \$49,470
- NASA / *Chandra* X-ray Observatory, Cycle 4, “A High-Redshift ($z=0.95$) Cluster Revealed by a *FIRST* Bent-Double Radio Source,” 2002, 20 ksec, Science PI, \$28,515

TEACHING

- Fall 2022 AS 850 Graduate Literature Seminar I, Boston University
- Spring 2024, 2023, 2022, 2019, 2010 AS 312, Stellar and Galactic Astrophysics, Boston University
- Fall 2021, Spring 2018 AS 753, Normal Galaxies and the Milky Way, Boston University
- Spring 2021, 2016 – 2017, 2011 – 2014, 2005 – 2009 AS 203, Principles of Astronomy II, Boston University
- Fall 2023, 2020, 2016, 2014, 2009, 2005 AS 701, Introduction to Astrophysics, Boston University
- Spring 2020, 2015 AS 109, Cosmology, Boston University
- Fall 2019 CC 111, Origins, Boston University
- Fall 2015, 2013 AS 710, Observational Techniques, Boston University
- Fall 2011, 2007, 2004 AS 850, Astrophysics Seminar, Boston University
- Fall 2008, 2007 AS 102, The Astronomical Universe, Boston University
- Fall 2012, 2006 CC 105, Core Natural Sciences, Boston University
- 2003 Lecturer, Summer Student Program, National Radio Astronomy Observatory, Charlottesville, VA
- 1993 – 1996 Laboratory Instructor / Teaching Assistant, Columbia University
- 1995 Head Teaching Assistant, Columbia University

**PH.D.
DISSERTATION
COMMITTEES**

- Emmet Golden-Marx, Ph.D. dissertation, Astronomy Department, “The High-Redshift Clusters Occupied by Bent Radio AGN (COBRA) Survey,” Director/Advisor and 1st Reader, 2020
Current Position: Shui Mu Fellow and Astrophysics Postdoctoral Fellow, Tsinghua University, Beijing, China
- Rachel Paterno-Mahler, Ph.D. dissertation, Astronomy Department, “Sloshing and AGN Feedback in Galaxy Clusters,” Director/Advisor and 1st Reader, 2015
Current Position: Staff Scientist, Areté (advanced science and engineering company; signal and information processing, modeling and simulation), Northridge, CA

**PH.D.
DISSERTATION
COMMITTEES
(cont.)**

- Joshua Wing, Ph.D. dissertation, Astronomy Department, “A Multi-Wavelength Study of Clusters Hosting Radio Galaxies,” Director/Advisor and 1st Reader, 2013
Current Position: Astrophysicist, Chandra Mission Planner, Center for Astrophysics | Harvard & Smithsonian, Cambridge, MA
- Edmund Douglass, Ph.D. dissertation, Astronomy Department, “The Galaxy Cluster Environments of Wide-Angle Tail Radio Sources,” Director/Advisor and 1st Reader, 2012
Current Position: Associate Professor, Physics Department, and Chair, Science, Technology, & Society Department, Farmingdale State College, State University of New York, Farmingdale, NY
- Courtney Watson, Ph.D. research, Astronomy Department, Director/Advisor and 1st Reader, in progress
- Caeley Pittman, Ph.D. research, Astronomy Department, Committee Chairperson, in progress
- Bryanne McDonough, Ph.D. research, Astronomy Department, 2nd Reader, in progress
- Adam Samuels, Ph.D. research, Astronomy Department, 2nd Reader, in progress
- Alec Daly, Ph.D. research, Astronomy Department, Committee Member, in progress
- Xiaohan Ma, Ph.D. research, Astronomy Department, Committee Member, in progress
- Luisa Capannolo, Ph.D. dissertation, Astronomy Department, “Energetic Electron Precipitation Into the Earth’s Upper Atmosphere Driven by Electromagnetic Ion Cyclotron Waves,” 2nd Reader, 2020
- Mason Keck, Ph.D. dissertation, Astronomy Department, “Probing the Inner Regions of Supermassive Black Hole Accretion Disks and Jets,” 2nd Reader, 2019
- Jordan Montgomery, Ph.D. dissertation, Astronomy Department, “Measuring Magnetic Fields in Galaxies,” Committee Member, 2018
- Paul Dalba, Ph.D. dissertation, Astronomy Department, “On the Atmospheres of Saturn and Cold Gas Giant Extrasolar Planets,” Committee Member, 2018
- Chad Madsen, Ph.D. dissertation, Astronomy Department, “Waves, Bursts, and Instabilities: A Multi-Scale Investigation of Energetic Plasma Processes in the Solar Chromosphere and Transition Region,” Committee Chairperson, 2017
- Nicholas MacDonald, Ph.D. dissertation, Astronomy Department, “Order & Disorder: A Study of the Flaring Properties and Polarized Emission of Blazars,” 2nd Reader, 2016
- Michael Malmrose, Ph.D. dissertation, Astronomy Department, “The Near-Infrared to Ultraviolet Spectral Energy Distributions of Gamma-ray Bright Blazars,” Committee Chairperson, 2016
- Dolon Bhattacharyya, Ph.D. dissertation, Astronomy Department, “Escape of Hydrogen from the Exosphere of Mars,” Committee Member, 2016
- Majd Matta, Ph.D. dissertation, Astronomy Department, “Modeling the Martian Ionosphere,” Committee Member, 2013
- Elizabeth Bass Fucetola, Ph.D. dissertation, Astronomy Department, “Determining Meteoroid Properties Using Head Echo Observations from the Jicamarca Radio Observatory,” Committee Chairperson, 2011
- Monica Young, Ph.D. dissertation, Astronomy Department, “Probing Quasar Accretion Physics with the Sloan Digital Sky Survey,” 2nd Reader, 2010
- Francesca D’Arcangelo, Ph.D. dissertation, Astronomy Department, “Correlated Multiwavelength Polarization in Blazars,” 2nd Reader, 2009

**MASTER'S
THESIS
COMMITTEES
/ ADVISING**

Gagandeep Anand, M.A. research, Astronomy Department, "Abell 623: Home to a Merger Induced Wide-Angle Tail Radio Source?," Advisor, 2015 – 2017
Karen Williamson, M.A. thesis, Astronomy Department, "Statistical Study of Multi-Frequency Emission in Blazars," Committee Chairperson, 2013
Loren Anderson, M.A. research, Astronomy Department, "Chandra X-ray Observations of Abell 262," Advisor, 2004 – 2007

**UNDERGRADUATE
THESIS
COMMITTEES
/ ADVISING**

Nico McMahon, B.A. research, Astronomy Department, "The Origin of the X-Shaped Radio Source in the Galaxy Cluster A1145," Advisor, 2022 – present
Muhammad Zain Mobeen, B.A. thesis, Astronomy Department, "Locating the Synchrotron Emitting Regions in the Jets of Blazars BL Lac and 3C454.3," Committee Member, 2018
Vishal Bala, B.A. thesis, Astronomy Department, "Radio Morphology of TeV Blazars," Committee Member, 2016
Adi Foord, B.A. thesis, Astronomy Department, "Gamma-ray Flares in the Blazar CTA 26: Radiation from Jets Associated with a Supermassive Black Hole," Committee Member, 2014
Ryan Linehan, B.A. research, Astronomy Department, "Point Sources in the Deep Chandra Observation of Abell 2052," Advisor, 2012
Emily Manne-Nicholas, B.A. thesis, Astronomy Department, "A Preliminary Investigation of the Gamma-ray and Radio Connection of 29 Blazars," Committee Member, 2009
Alice Olmstead, B.A. thesis, Astronomy Department, "Radio to Gamma-ray Monitoring of the Blazar AO 0235+164," Committee Member, 2009
Elizabeth Taber, B.A. research, Astronomy Department, "Correlation of Radio and Optical Properties of Bent-Double Radio Sources," Advisor, 2005 – 2006

**SERVICE:
ELECTED
POSITIONS**

2014 – 2015 Chairperson, Nominating Committee, American Astronomical Society
2012 – 2015 Member, Nominating Committee, American Astronomical Society
2006 – 2008 Member, Academic Policy Committee, Boston University

**OBSERVATORY
COMMITTEES**

2016 – present Member, *Lynx X-ray Observatory* Physics of Feedback Science Working Group
2016 – present Member, *Lynx X-ray Observatory* Evolution of Structure and AGN Populations Science Working Group
2015 – present Member, *Athena X-ray Observatory* Science Working Group 1.3: AGN feedback in galaxy clusters and groups
2013 – 2018 Member, *Lowell Observatory* Science Partners' Board
2008 – 2011 Member, *Chandra X-ray Observatory* Users' Committee
2005 – 2011 Member, *Suzaku X-ray Observatory* Users' Committee

*CONFERENCE
COMMITTEES*

2010 – 2011 Member, Scientific Organizing Committee for international workshop
“Structure in Clusters and Groups of Galaxies in the *Chandra* Era,” Boston,
MA

2007 – 2008 Member, Scientific Organizing Committee for international workshop
“Radio Galaxies in the *Chandra* Era,” Cambridge, MA

2002 – 2003 Member, Local Organizing Committee, “The Riddle of Cooling Flows
in Galaxies and Clusters of Galaxies,” Charlottesville, VA

*PROPOSAL
REVIEW
PANELS*

2022, 2021, 2020, 2014, 2011 Member, NASA / *Hubble Space Telescope* Proposal
Review Panel

2019 Reviewer, Canada Research Chair

2017 Member, NSF AAG Proposal Review Panel

2014 Chairperson, *Einstein* Postdoctoral Fellowship Review Panel

2014 Reviewer, Natural Sciences and Engineering Research Council of Canada
Discovery Grant

2013 External Reviewer, NASA’s Astrophysics Data Analysis Program

2011 Chairperson, NASA / *Chandra* Proposal Review Panel

2010 Member, *Einstein* Postdoctoral Fellowship Review Panel

2008, 2004, 2003 Deputy Chairperson, NASA / *Chandra* Proposal Review Panel

2006 Member, NASA / *Chandra* Proposal Review Panel

2005 – 2007 Member, NRAO Proposal Review Panel

2005 – 2006 Member, Lowell Observatory Proposal Review Panel

2005 Member, NASA / GALEX Proposal Review Panel

*BOSTON
UNIVERSITY
COMMITTEES*

2023 – 2024, 2022 – 2023, 2012 – 2013, 2008 – 2009 Member, Faculty Search
Committee, Astronomy Department

2019 – 2022, 2012 – 2014, 2004 – 2006 Member, Natural Sciences Curriculum
Committee, College of Arts & Sciences

2017 – 2018, 2014 – 2015, 2010 – 2012 Member, Graduate Admissions Committee,
Astronomy Department

2014 – 2015 Director of Graduate Studies, Astronomy Department

2013 – 2014 Chairperson, Natural Sciences Curriculum Committee, College of
Arts & Sciences

2006 – 2008 Member, Academic Policy Committee, College of Arts & Sciences

2006 – 2007 Member, Graduate Curriculum Committee, Astronomy Department

2006 Member, Faculty Search Committee, Department of Earth Sciences

*OTHER
SERVICE*

2015 – 2017, Member, American Astronomical Society Warner / Pierce Prize
Committee

Referee, *Astrophysical Journal*, *Astronomical Journal*, *Advances in Space Re-
search*, *Monthly Notices of the Royal Astronomical Society*, *Nature*

**PUBLIC
OUTREACH**

- 2009 – 2015 On-screen video guide for traveling museum exhibit “Black Holes: Space Warps and Time Twists,” on exhibit at fifteen different locations including Boston Museum of Science (2009), Yale Peabody Museum of Natural History (2010 – 2011), U.S. Space & Rocket Center in Huntsville, AL (2013), Lowell Observatory (2014); traveling throughout US through 2015
- 2011 Television appearance on WCVB, Channel 5: filmed teaching AS 203 as part of “A-Plus” student series
<http://www.thebostonchannel.com/video/27666135/detail.html>
- 2006 Invited Lecturer, Center for Talented Youth, Boston University
- 2003 – 2004 Science advisor, “Black Holes” planetarium show at the Science Museum of Virginia, Richmond, VA, and traveling *Chandra* exhibit
- 2003 – 2004 Science advisor and participant in film, “The Largest Structures in the Universe”, exhibit and film at the McCormick Observatory, UVa
- 2001 – 2004 Lecturer at Public Nights, McCormick Observatory, UVa

**SELECTED
PRESS**

- 2022 Wikipedia page, “Elizabeth Blanton, American Astronomer”
https://en.wikipedia.org/wiki/Elizabeth_Blanton
- 2022 “NASA’s Chandra Finds Galaxy Cluster Collision on a ‘WHIM’”
https://chandra.harvard.edu/press/22_releases/press_101322.html
- 2022 “Observation, Calculation, Imagination,” Bostonia, Boston University’s Alumni Magazine
<https://www.bu.edu/articles/2022/calculation-observation-imagination/>
- 2022 “A New Era of Discovery,” The Brink, Boston University
<https://www.bu.edu/articles/2022/nasa-james-webb-space-telescope-reveals-deepest-view-of-space-ever/>
- 2021 “Astronomers Spy Quartet of Cavities from Giant Black Holes,” Chandra X-ray Observatory
https://chandra.harvard.edu/press/21_releases/press_121621.html
- 2020 “American Astronomical Society Announces First Class of AAS Fellows,”
<https://aas.org/press/aas-announces-first-class-aas-fellows>
- 2017 “Galaxy Clusters Offer Clues to Dark Matter and Dark Energy: Astronomer’s 20-year quest delivers trove of far-flung clusters,” Boston University Research Magazine
<http://www.bu.edu/research/articles/galaxy-clusters-offer-clues-to-dark-matter-dark-energy>
- 2015 “NGC 5813: Chandra Finds Evidence for Serial Black Hole Eruptions,” Chandra X-ray Observatory
<http://chandra.si.edu/photo/2015/ngc5813>
- 2013 “Reading the Clues in Galaxy Clusters,” Research at Boston University
<http://www.bu.edu/research/magazine/2012/snapshots/reading-the-clues-in-galaxy-clusters/index.shtml>
- 2012 “BU astrophysicist leads discovery of “sloshing” gas in galaxy cluster,” BU College of Arts & Sciences
<http://www.newswise.com/articles/view/585348>
- 2011 “Abell 2052: A Galaxy Cluster Gets Sloshed,” Chandra X-ray Observatory
<http://chandra.harvard.edu/photo/2011/a2052>

**SELECTED
PRESS
(cont.)**

- 2011 “A Galaxy Cluster Gets Sloshed,” NASA Image of the Day
http://www.nasa.gov/multimedia/imagegallery/image_feature_2130.html/
- 2011 “Sloshed Galaxies,” National Geographic Space Image of the Week
- 2011 “Galaxy cluster collision makes a splash... a million light years long!”
Discover Magazine
- 2010 “NGC 5813: An Intergalactic Weather Map,” Chandra X-ray Observatory
<http://chandra.harvard.edu/photo/2010/ngc5813/>
- 2006 “Cosmic Battle Creates Milky Way-Sized Tunnel,” Naval Research Lab
<http://www.nrl.navy.mil/media/news-releases/2006/cosmic-battle-creates-milky-waysized-tunnel>
- 2002 “NGC 1553: Black Holes in Distant Galaxy Points to Wild Youth,” Chandra X-ray Observatory, <http://chandra.harvard.edu/photo/2002/1058/>
- 2002 “Where Stellar Monsters Once Ruled,” NASA HEASARC Picture of the Week
http://heasarc.nasa.gov/docs/objects/heapow/archive/normal_galaxies/ngc1553_chandra.html

Refereed Publications
(ORCID ID 0000-0002-0485-6573)

(As of 2/12/24, 2732 Citations in SAO/NASA Astrophysics Data System, h -index=28; h -index[including only 1st and 2nd author papers]=20)

(Note: Underlined names are graduate student advisees of E. Blanton)

51. Whyley, A., Randall, S. W., Clarke, T. E., van Weeren, R. J., Rajpurohit, K., Forman, W. R., Edge, A. C., **Blanton, E. L.**, Lovisari, L., & Intema, H. T. 2024, *Astrophysical Journal*, submitted, “Understanding the Nature of the Ultra-Steep Spectrum Diffuse Radio Source in the Galaxy Cluster Abell 272”
50. Golden-Marx, E., Moravec, E., Shen, L., Cai, Z., **Blanton, E. L.**, Gendron-Marsolais, M. L., Röttgering, H. J. A., van Weeren, R. J., Buiten, V., Grumitt, R. D. P., Golden-Marx, J., Pinjarkar, S., & Tang, H. 2023, *Astrophysical Journal*, 956, 87, “The High-Redshift Clusters Occupied by Bent Radio AGN (COBRA) Survey: Investigating the Role of Environment on Bent Radio AGNs Using LOFAR”
49. Watson, C. B., **Blanton, E. L.**, Randall, S. W., Sarazin, C. L., Sarkar, A., ZuHone, J. A., & Douglass, E. M. 2023, *Astrophysical Journal*, 955, 103, “Chandra X-ray Observations of Abell 119: Cold Fronts and a Shock in an Evolved Off-Axis Merger”
48. Ubertosi, F., Gitti, M., Brighenti, F., McDonald, M., Nulsen, P., Donahue, M., Brunetti, G., Randall, S., Gaspari, M., Ettori, S., Calzadilla, M., Ignesti, A., Feretti, L., & **Blanton, E. L.** 2023, *Astrophysical Journal*, 944, 216, “Multiple shock fronts in RBS 797: the Chandra window on shock heating in galaxy clusters”
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38. Paterno-Mahler, R., **Blanton, E. L.**, Brodwin, M., Ashby, M. L. N., Golden-Marx, E., Decker, B., Wing, J. D., & Anand, G. 2017, *Astrophysical Journal*, 844, 78, “The High-Redshift Clusters Occupied by Bent Radio AGN (COBRA) Survey: the Spitzer Catalog”
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36. Randall, S. W., Clarke, T. E., van Weeren, R. J., Intema, H. T., Dawson, W. A., Mroczkowski, T., **Blanton, E. L.**, Bulbul, E., & Giacintucci, S. 2016, *Astrophysical Journal*, 823, 94, “Multi-Wavelength Observations of the Dissociative Merger in the Galaxy Cluster CIZA J0107.7+5408”
35. Bulbul, E., Randall, S. W., Bayliss, M., Miller, E., Andrade-Santos, F., Johnson, R., Bautz, M., **Blanton, E. L.**, Forman, W. R., Jones, C., Paterno-Mahler, R., Murray, S. S., Sarazin, C. L., Smith, R. K., & Ezer, C. 2016, *Astrophysical Journal*, 818, 131, “Probing the Outskirts of the Early Stage Galaxy Cluster Merger A1750”
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33. Paterno-Mahler, R., Randall, S. W., Bulbul, E., Andrade-Santos, F., **Blanton, E. L.**, Jones, C., Murray, S., & Johnson, R. E. 2014, *Astrophysical Journal*, 791, 104, “Merger Signatures in the Galaxy Cluster Abell 98”
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15. Soker, N., **Blanton, E. L.**, & Sarazin, C. L. 2004, *Astronomy & Astrophysics*, 422, 445, “Cooling of X-ray Emitting Gas by Heat Conduction in the Center of Cooling Flow Clusters”
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13. Clarke, T. E., Uson, J. M., Sarazin, C. L., & **Blanton, E. L.** 2004, *Astrophysical Journal*, 601, 798, “Soft X-ray Absorption Due to a Foreground Edge-On Spiral Galaxy Toward the Core of Abell 2029”
12. Sarazin, C. L., Kundu, A., Irwin, J. A., Sivakoff, G. R., **Blanton, E. L.**, & Randall, S. W. 2003, *Astrophysical Journal*, 595, 743, “Low Mass X-ray Binaries and Globular Clusters in Early-Type Galaxies”
11. Takizawa, M., Sarazin, C. L., **Blanton, E. L.**, & Taylor, G. B. 2003, *Astrophysical Journal*, 595, 142, “*Chandra* Observations of the Central Region of Abell 3112”
10. **Blanton, E. L.**, Gregg, M. D., Helfand, D. J., Becker, R. H., & White, R. L. 2003, *Astronomical Journal*, 125, 1635, “Discovery of a High-Redshift ($z=0.96$) Cluster of Galaxies Using a *FIRST* Wide-Angle Tailed Radio Source”
9. **Blanton, E. L.**, Sarazin, C. L., & McNamara, B. R. 2003, *Astrophysical Journal*, 585, 227, “*Chandra* Observation of the Cooling Flow Cluster Abell 2052”
8. Soker, N., **Blanton, E. L.**, & Sarazin, C. L. 2002, *Astrophysical Journal*, 573, 533, “Hot Bubbles in Cooling Flow Clusters”
7. **Blanton, E. L.**, Sarazin, C. L., McNamara, B. R., & Wise, M. W. 2001, *Astrophysical Journal Letters*, 558, L15, “*Chandra* Observation of the Radio Source / X-ray Gas Interaction in the Cooling Flow Cluster Abell 2052”
6. **Blanton, E. L.**, Sarazin, C. L., & Irwin, J. A. 2001, *Astrophysical Journal*, 552, 106, “Diffuse Gas and LMXBs in the *Chandra* Observation of the S0 Galaxy NGC 1553”
5. **Blanton, E. L.**, Gregg, M. D., Helfand, D. J., Becker, R. H., & Leighly, K. M. 2001, 121, 2915, *Astronomical Journal*, “The Environments of a Complete, Moderate-Redshift Sample of *FIRST* Bent-Double Radio Sources”

4. **Blanton, E. L.**, Gregg, M. D., Helfand, D. J., Becker, R. H., & White, R. L. 2000, *Astrophysical Journal*, 531, 118, “*FIRST* Bent-Double Radio Sources: Tracers of High-z Clusters”
3. Afanas’ev, V. L., Lozinskaya, T. A., Moiseev, A. V., & **Blanton, E.** 2000, *Astronomy Letters*, 26, 153, “A Giant Bipolar Shell around the WO Star in the Galaxy IC1613: Structure and Kinematics”
2. **Blanton, E. L.** & Helfand, D. J. 1996, *Astrophysical Journal*, 470, 961, “*ASCA* Observations of the Composite Supernova Remnant G29.7-0.3”
1. **Blanton, E. L.**, Schmidt, B. P., Kirshner, R. P., Ford, C. H., Chromey, F. R., & Herbst, W. 1995, *Astronomical Journal*, 110, 2868, “Observations of the Type II-P SN 1991G in NGC 4088”

Invited Conference Presentations

8. *American Astronomical Society Meeting 243, Special Session “25 Years of Chandra”*, January 2024, Invited Talk, “Twenty-five Years of Galaxy Clusters with the Chandra X-ray Observatory,”
7. *When Brandeis met Jansky: astrophysics and beyond*, June 2017, Invited Talk, “AGN Feedback at Low and High z”
6. *National Academy of Sciences’ Kavli Frontiers of Science Symposium*, named a *Kavli Fellow*, November 2013, Invitation-only conference, poster presentation, “Clusters of Galaxies: Far Away and So Close”
5. *SZX Huntsville 2011: Cosmology with X-ray and Sunyaev-Zeldovich Effect Observations of Galaxy Clusters*, September 2011, Invited Talk, “AGN Feedback and Impact on ICM Properties”
4. *Chandra’s First Decade of Discovery*, September 2009, Invited Review Talk, “AGN Feedback in Clusters of Galaxies”
3. *The Eighteenth New England Regional Quasar / AGN Meeting*, Center for Astrophysics | Harvard & Smithsonian, May 2008, Invited Talk, “AGN Interactions and Feedback in Clusters of Galaxies”
2. *Galaxies Viewed with Chandra*, Center for Astrophysics | Harvard & Smithsonian, Cambridge, MA, July 2004, Invited Review Talk, “Diffuse X-rays from Elliptical Galaxies”
1. *The Riddle of Cooling Flows in Galaxies and Clusters of Galaxies*, Charlottesville, VA, June 2003, Invited Review Talk, “The Interaction of Radio Sources and X-ray-Emitting Gas in Cooling Flows”

Invited Colloquia

26. Center for Astrophysics | Harvard & Smithsonian, High Energy Seminar, May 2019, “The High-Redshift Clusters Occupied by Bent Radio AGN (COBRA) Survey”
25. Brandeis University, October 2017, “Extragalactic Jets as Probes of Clusters of Galaxies”
24. Center for Astrophysics | Harvard & Smithsonian (HEAD [High Energy Astrophysics Division] Talk), May 2015, “The High-Redshift Clusters Occupied by Bent Radio AGN (COBRA) Survey”
23. Five College Astronomy Department colloquium at the University of Massachusetts, March 2015, “Extragalactic Jets as Probes of Clusters of Galaxies”
22. Center for Astrophysics | Harvard & Smithsonian (OIR [Optical Infrared] Seminar), May 2012, “Multi-wavelength Studies of Clusters of Galaxies Near and Far”
21. Boston University, April 2012, “Sloshing, Bubbles, and AGN in Clusters of Galaxies (Up Close and Far Away)”
20. University of California, Santa Cruz, November 2011, “Radio AGN in Clusters of Galaxies”
19. Northwestern University, April 2011, “AGN in Clusters of Galaxies: Cooling Flows, Feedback, and High-z Systems”
18. Ohio University, May 2010, “AGN in Clusters of Galaxies: Cooling Flows, Feedback, and High-z Systems”

17. Yale University, November 2009, “AGN in Clusters of Galaxies: Cooling Flows, Feedback, and High-z Systems”
16. MIT, April 2009, “AGN in Clusters of Galaxies: Cooling Flows, Feedback, and High-z Systems”
15. Wesleyan University, April 2007, “Radio Sources in Clusters of Galaxies: Impact on the ICM and Probes of High-z Systems”
14. Boston University, January 2007, “Radio Sources in Clusters of Galaxies: Impact on the ICM and Probes of High-z Systems”
13. University of Michigan, April 2006, “Radio Sources in Clusters of Galaxies: Impact on the ICM and Probes of High-z Systems”
12. Boston University, May 2004, “Radio Sources in Clusters of Galaxies: Impact on the ICM and Probes of High-z Systems”
11. Seattle University, April 2004, “Clusters of Galaxies: The View from the *Chandra* X-ray Observatory”
10. Johns Hopkins University, March 2004, “The Interaction of Radio Sources and the X-ray-Emitting ICM in Clusters of Galaxies”
9. University of Virginia, March 2004, “Radio Sources in Clusters of Galaxies: Impact on the ICM and Probes of High-z Systems”
8. Louisiana State University, March 2004, “The Interaction of Radio Sources and the X-ray-Emitting ICM in Clusters of Galaxies”
7. Yale University, February 2004, “The Interaction of Radio Sources and the X-ray-Emitting ICM in Clusters of Galaxies”
6. James Madison University, January 2004, “Clusters of Galaxies: the View from the *Chandra* X-ray Observatory”
5. San Francisco State University, February 2003, “Radio Source / ICM Interactions in Clusters of Galaxies”
4. University of California, San Diego, May 2002, “Radio Bubbles in Cooling Flow Clusters: *Chandra* Observations”
3. University of Massachusetts, Amherst, December 2001, “Radio Source / X-ray Gas Interactions in Cluster Cooling Flows”
2. Smith College, December 2001, “Clusters and Cosmology”
1. Swarthmore College, November 1999, “Radio Sources in Clusters of Galaxies”

Meeting Presentations and Proceedings Articles

(Note: Underlined names are graduate student advisees of E. Blanton)

103. Sarkar, A., Randall, S., Su, Y., Alvarez, G., Sarazin, C., Nulsen, P., **Blanton, E.**, Forman, W., Jones, C., Bulbul, E., ZuHone, J., Andrade-Santos, F., Johnson, R., & Chakraborty, P. 2023, *AAS High Energy Astrophysics Division meeting #20*, id. 101.25, Bulletin of the American Astronomical Society, Vol. 55, No. 4, “Unveiling a critical epoch in the formation of massive galaxy clusters”
102. Randall, S., Nulsen, P., Su, Y., ZuHone, J., Roediger, E., Forman, W., Jones, C., & **Blanton, E.** 2023, *AAS High Energy Astrophysics Division meeting #20*, id. 101.20, Bulletin of the American Astronomical Society, Vol. 55, No. 4, “Deep Chandra Observations of the Extended Ram-Pressure Stripped Tail in M86”
101. **Blanton, E.**, Golden-Marx, E., Ashby, M., Brodwin, M., Randall, S., Douglass, E., & Watson, C. 2023, *AAS High Energy Astrophysics Division meeting #20*, id. 101.13, Bulletin of the American Astronomical Society, Vol. 55, No. 4, “The High-Redshift Clusters Occupied by Bent Radio AGN (COBRA) Survey, New X-ray Detections”

100. **Blanton, E. L.**, Golden-Marx, E., Randall, S. W., Ashby, M. L. N., Brodwin, M., & Watson, C. 2022, *Exploring the Hot and Energetic Universe: the 3rd scientific conference dedicated to the Athena X-ray Observatory*, “The High-Redshift Clusters Occupied by Bent Radio AGN (COBRA) Survey, New X-ray Detections”
99. Sarkar, A., Randall, S., Su, Y., Alvarez, G., Forman, W., Nulsen, P., **Blanton, E.**, Bulbul, E. Sarazin, C., ZuHone, J., Andrade-Santos, F., & Johnson, R. 2022, *American Astronomical Society Meeting #240*, 428.09, “Discovery of a Premerger Shock in an Intercluster Filament in Abell 98”
98. **Blanton, E.**, Golden-Marx, E., Ashby, M., Brodwin, M., & Randall, S. 2022, *American Astronomical Society Meeting #240*, 139.20, “The High-Redshift Clusters Occupied by Bent Radio AGN (COBRA) Survey, New X-ray Detections”
97. Randall, S., Nulsen, P., Su, Y., ZuHone, J., Roediger, E., Forman, W., Jones, C., & **Blanton, E.** 2022, *American Astronomical Society Meeting #240*, 139.01, “Deep Chandra Observations of the Extended Ram-Pressure Stripped Tail in M86”
96. Golden-Marx, E., **Blanton, E.**, et al. 2021, *Galaxy Cluster Formation II (GCF II)*, id.51, “Where the Wild Things Are: Galaxy Evolution and Radio Source Properties in the High-z COBRA Survey”
95. Schwartzman, E., Clarke, T., Giacintucci, S., Randall, S., Van Weeren, R., Dawson, W., ZuHone, J., Zitrin, A., Nulsen, P., Alvarez, G., Stroe, A., **Blanton, E.**, Bulbul, E., & Finner, K. 2021, *American Astronomical Society Meeting #237*, 307.07, “Multi-frequency Radio Study of the Dissociative Merger Cluster CIZA J0107.7+5408”
94. Randall, S. W., Clarke, T., Van Weeren, R., Intema, H., Dawson, W., Mroczkowski, T., **Blanton, E. L.**, Bulbul, E., & Giacintucci, S. 2020, *American Astronomical Society Meeting #235*, 371.15, “The High-z Clusters Occupied by Bent Radio AGN (COBRA) Survey”
93. Schwartzman, E., Clarke, T., Giacintucci, S., Randall, S., **Blanton, E. L.**, Stroe, A., Van Weeren, R., & Intema, H. 2020, *American Astronomical Society Meeting #235*, 371.08, “Low Frequency Radio Emission in Galaxy Clusters”
92. Douglass, E. M., Randall, S. W., **Blanton, E. L.**, Clarke, T. E., Edwards, L., & Sabry, Z. 2020, *American Astronomical Society Meeting #235*, 144.05, “Cool Core Disruption Via High Angular Momentum Subcluster Infall”
91. **Blanton, E. L.**, Golden-Marx, E., Paterno-Mahler, R., Brodwin, M., Ashby, M., Randall, S. W., & Wing, J. D. 2020, *American Astronomical Society Meeting #235*, 127.07, “The High-z Clusters Occupied by Bent Radio AGN (COBRA) Survey”
90. Golden-Marx, E., **Blanton, E. L.**, Paterno-Mahler, R., Brodwin, M., & Ashby, M. 2019, *American Astronomical Society Meeting #233*, 419.02, “The High-z Clusters Occupied by Bent Radio AGN (COBRA) Survey”
89. Golden-Marx, E., **Blanton, E. L.**, Paterno-Mahler, R., Brodwin, M., Ashby, M., Wing, J., Anand, G., & Decker, B. 2017, *Early Stages of Galaxy Cluster Formation (GCF) 2017: Mergers, Protoclusters, and Star Formation in Overdense Environments*, Garching, Germany, “The High-z Clusters Occupied by Bent Radio AGN (COBRA) Survey”
88. Douglass, E., **Blanton, E. L.**, Clarke, T. E., Randall, S. W., Edwards, L. O. V., & Sabry, Z. 2017, *American Astronomical Society Meeting #229*, 404.05, “Cool Core Disruption in Abell 1763”
87. Anand, G., **Blanton, E. L.**, Randall, S. W., Paterno-Mahler, R., & Douglass, E. M. 2017, *American Astronomical Society Meeting #229*, 346.06, “Chandra Observation of the WAT Radio Source/ICM Interaction in Abell 623”
86. Bulbul, E., Randall, S. W., Bayliss, M., Miller, E., Andrade-Santos, F., Johnson, R., Bautz, M. W., **Blanton, E. L.**, +7 authors 2016, American Astronomical Society, HEAD meeting #15, id.101.02, “Exploring the Outskirts of the Galaxy Cluster Merger A1750 Along the Putative Large-Scale Filament”

85. Douglass, E., **Blanton, E. L.**, Randall, S. W., Clarke, T. E., & Wing, J. D. 2016, *American Astronomical Society Meeting #227*, 235.14, “The Galaxy Cluster Environments of Wide Angle Tail Radio Sources”
84. **Blanton, E. L.**, Paterno-Mahler, R., Randall, S., Clarke, T., Sarazin, C., McNamara, B., Golden-Marx, E., Ashby, M. L. N., Wing, J., Douglass, E., McDonald, M., & Brodwin, M. 2015, IAU General Assembly, Meeting 29, 2257563, “Sloshing, Shocks, and Bubbles in Clusters of Galaxies”
83. Paterno-Mahler, R., **Blanton, E. L.**, Wing, J., Ashby, M. L. N., Brodwin, M., & Golden-Marx, E. 2016, Galaxies at High Redshift and Their Evolution Over Cosmic Time,” IAU Symposium Vol. 319, p. 62, “The High-Redshift Clusters Occupied by Bent Radio AGN (COBRA) Survey”
82. Paterno-Mahler, R., **Blanton, E. L.**, Wing, J., Ashby, M. L. N., Brodwin, M., & Golden-Marx, E. 2015, IAU General Assembly, Meeting 29, 2257788, “The High-Redshift Clusters Occupied by Bent Radio AGN (COBRA) Survey”
81. Randall, S. W., Bulbul, E., Paterno-Mahler, R., Jones, C., Forman, W., Miller, E. D., Murray, S., Sarazin, C., & **Blanton, E.** 2015, IAU General Assembly, Meeting 29, 2255653, “Probing the Outskirts of Strongly Merging Double Clusters with X-ray Observations”
80. **Blanton, E. L.**, Paterno-Mahler, R., Wing, J. D., Ashby, M. L. N., Golden-Marx, E., Brodwin, M., Douglass, E. M., Randall, S. W., & Clarke, T. E. 2015, “Extragalactic Jets as Probes of Distant Clusters of Galaxies and the Clusters Occupied by Bent Radio AGN (COBRA) Survey,” Proceedings of the IAU Symposium No. 313: “Extragalactic jets from every angle,” Galapagos, Ecuador, 15 – 19 September 2015, F. Massaro, C. C. Cheung, E. Lopez, and A. Siemiginowska (Eds.), Cambridge University Press
79. **Blanton, E. L.** 2014, *15 Years of Science with Chandra*, Boston, MA, “Deep Chandra Observations of Feedback and Sloshing in Clusters of Galaxies”
78. **Blanton, E. L.**, Wing, J. D., Ashby, M., Brodwin, M., Paterno-Mahler, R., Golden-Marx, E. 2014, *Future Directions in Galaxy Cluster Surveys*, Paris, France, “A Targeted, Distant Cluster Survey Using Bent, Double-Lobed Radio Sources”
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