KENNETH W. CAVAGNOLO

IN PREPARATION

- (18) "Entropy Scaling Relations of ACCEPT Galaxy Clusters"
- K. Cavagnolo, G. M. Voit, M. Donahue, & S. Bruch In prep. for ApJL
- (17) "How Difficult is SMBH Spin Axis Reorientation? Implications for AGN Feedback Models" **K. Cavagnolo** In prep. for ApJL
- (16) "Identifying AGN Feedback Relics Via Steep Spectrum Radio Sources"

 R. van Weeren, A. Edge, H. Röttgering, **K. Cavagnolo**, B. McNamara, M. Wise, M. Brüggen, G. Brunetti, & J. Croston In prep. for A&A
- (15) "The Radio Halo-Merger-Cooling Connection in Galaxy Clusters at $z \sim 0.5$ " E. Orrù, C. Ferrari, M. Arnaud, **K. Cavagnolo**, J. Croston, N. Jetha, G. Pratt, E. Pointecouteau, & S. Raychaudhury In prep. for A&A
- (14) "Normalization and Scatter of the M-T Relation for Supermassive Galaxy Clusters" R. Mandelbaum, R. Nakajima, N. Bahcall, G. Bernstein, **K. Cavagnolo**, M. Donahue, J. Hughes, C. Keeton, A. Kravtsov, S. Miyazaki, N. Padmanabhan, & T. Schrabback In prep. for ApJ

SUBMITTED

- (13) "Direct Evidence of Radiative and Mechanical Feedback from the Quasar in IRAS 09104+4109" **K. Cavagnolo**, M. Donahue, G. M. Voit, B. McNamara, & M. Sun Submitted to MNRAS
- (12) "A Powerful AGN Outburst in RBS 797"
- **K. Cavagnolo**, B. McNamara, M. Wise, P. Nulsen, M. Brüggen, M. Gitti, & D. Rafferty Submitted to ApJ
- (11) "Anisotropic Metal-enriched Outflows Driven by AGN in Clusters of Galaxies"
- C. Kirkpatrick, B. McNamara, & K. Cavagnolo-Submitted to ApJL

FIRST AUTHOR REFEREED

- (10) "A Relationship Between AGN Jet Power and Radio Luminosity"
- K. Cavagnolo, B. McNamara, P. Nulsen, C. Carilli, C. Jones, & L. Bîrzan ApJ Published, 2010
- (9) "Intracluster Medium Entropy Profiles for a Chandra Archival Sample Of Galaxy Clusters"
- K. Cavagnolo, M. Donahue, G. M. Voit, & M. Sun ApJ Published, 2009
- (8) "An Entropy Threshold for Strong Hα and Radio Emission in the Cores of Galaxy Clusters" **K. Cavagnolo**, M. Donahue, G. M. Voit, & M. Sun ApJ Published, 2008
- (7) "Bandpass Dependence of X-Ray Temperatures in Galaxy Clusters"
- K. Cavagnolo, M. Donahue, G. M. Voit, & M. Sun ApJ Published, 2008

CO-AUTHOR REFEREED

- (6) "Direct Evidence for an Outflow of Metal-Enriched Gas Along the Radio Jets of Hydra A"

 C. Kirkpatrick, M. Gitti, K. Cavagnolo, B. McNamara, L. David, P. Nulsen, & M. Wise ApJL Published, 2009
- (5) "A Chandra X-ray Analysis of Abell 1664: Cooling, Feedback and Star Formation in the Central Cluster Galaxy"
- C. Kirkpatrick, B. McNamara, D. Rafferty, P. Nulsen, L. Birzan, F. Kazemzadeh, M. Wise, M. Gitti, & K. Cavagnolo ApJ Published, 2009
- (4) "Conduction and the Star Formation Threshold in Brightest Cluster Galaxies"
- G. M. Voit, K. Cavagnolo, M. Donahue, D. Rafferty, B. McNamara, & P. Nulsen ApJ Published, 2008
- (3) "Star Formation, Radio Sources, Cooling X-Ray Gas and Galaxy Interactions in the Brightest Cluster Galaxy in 2A0335+096"
- M. Donahue, M. Sun, C. O'Dea, G. M. Voit, & K. Cavagnolo AJ Published, 2007
- (2) "s-Process Abundances in Planetary Nebulae"
- B. Sharpee, Y. Zhang, R. Williams, E. Pellegrini, **K. Cavagnolo**, J. Baldwin, M. Phillips, & X. Liu ApJ Published, 2007
- (1) "Entropy Profiles in the Cores of Cooling Flow Clusters of Galaxies"
- M. Donahue, D. Horner, K. Cavagnolo, & G. M. Voit ApJ Published, 2006

PRESENTED WORK

TALBERTED WORK	
University of Wisconsin-Madison; The Monster's Fiery Breath Meeting Talk: "The AGN Jet Power and Radio Power Relationship"	June 2009
University of Waterloo; Seminar Invited Talk: "Using Galaxy Clusters as Galaxy Formation Labs"	October 2008
Leiden University; The Cool, Cooler, and Cold Meeting Invited Talk: "Understanding Cluster Cores: The Role of Core Entropy"	September 2008
Center for Study of Cosmic Evolution; Seminar Invited Talk: "Investigating Feedback and Relaxation in Clusters of Galaxies"	July 2008
University of Waterloo; Seminar Invited Talk: "From Cluster Cosmology to Galaxy Formation in Under One Hour"	March 2008
NASA Space Science and Technology Center; Seminar Invited Talk: "The Effect of AGN Feedback on High-Precision Cosmology"	February 2008
Center for Study of Cosmic Evolution; Seminar Invited Talk: "Understanding Feedback in Galaxy Clusters"	January 2008

University of Michigan; Seminar

Invited Talk: "Band Dependence of X-ray Temperatures"

October 2007

University of Alabama-Huntsville; Eight Years of Science with Chandra Meeting

Poster: "The Entropy-Feedback Connection and Quantifying Cluster Virialization"

October 2007

American Astronomical Society Meeting

December 2006

Poster: "Chandra Studies of Dark Matter and Galaxy Formation: Signatures from the ICM"

International Astronomical Union Symposium

July 2006

Proceeding: "Abundances of s-process elements in planetary nebulae: Br, Kr & Xe"

American Astronomical Society Meeting

December 2005

Poster: "Studies of Entropy Distributions in X-ray Luminous Clusters of Galaxies"

American Astronomical Society Meeting

December 2004

Poster: "Entropy Distributions in the Cores of Nearby X-ray Luminous Clusters of Galaxies"

American Astronomical Society Meeting

December 2004

Poster: "Radio-Free Cluster Cooling Flows"