

KENNETH W. CAVAGNOLO

PUBLICATIONS

First Author Refereed Papers

“X-ray and Entropy Scaling Relations in Galaxy Clusters”

Cavagnolo, Kenneth W.; Voit, G. Mark; and Donahue, Megan
2008, in prep. for ApJ

“Feedback Mechanisms in Galaxy Clusters and Alteration of ICM Entropy”

Cavagnolo, Kenneth W.; Donahue, Megan; and Voit, G. Mark
2008, in prep. for ApJ

“Star Formation in BCGs: Resurrecting Conduction”

Cavagnolo, Kenneth W.; Donahue, Megan; and Voit, G. Mark
2008, in prep. for ApJL

“Athenaeum of Galaxy Cluster Entropy Profiles”

Cavagnolo, Kenneth W.; Donahue, Megan; Voit, G. Mark; and Sun, Ming
2007, near ApJS submission

“X-ray Band Dependence of X-ray Temperatures in Galaxy Clusters”

Cavagnolo, Kenneth W.; Donahue, Megan; Voit, G. Mark; and Sun, Ming
2007, ApJ submitted

Other Refereed Papers

“Star Formation, Radio Sources, Cooling X-Ray Gas and Galaxy Interactions in the Brightest Cluster Galaxy in 2A0335+096”

Donahue, Megan; Sun, Ming; O’Dea, Christopher P.; Voit, G. Mark; **Cavagnolo, Kenneth W.**
[2007AJ....134...14D](#)

“Entropy Profiles in the Cores of Cooling Flow Clusters of Galaxies”

Donahue, Megan; Horner, Donald J.; **Cavagnolo, Kenneth W.**; Voit, G. Mark
[2006ApJ...643..730D](#)

“s-Process Abundances in Planetary Nebulae”

Sharpee, Brian; Zhang, Yong; Williams, Robert; Pellegrini, Eric; **Cavagnolo, Kenneth**;
Baldwin, Jack A.; Phillips, Mark; Liu, Xiao-Wei
[2007ApJ...659.1265S](#)

Presented Work & Talks

INVITED TALK: *“The Effect of Cluster Feedback on High-Precision Cosmology”*
Feb. 2008 – NASA National Space Science and Technology Center, UAH-Huntsville

INVITED TALK: *“Understanding Feedback in Galaxy Clusters”*

Jan. 2008 – Center for Study of Cosmic Evolution Seminar, Michigan State University

INVITED TALK: *“Band Dependence of X-ray Temperatures”*

Oct. 2007 – [University of Michigan Astrophysics Seminar](#)

POSTER: “*The Entropy-Feedback Connection and Quantifying Cluster Virialization*”
Cavagnolo, Kenneth W.; Donahue, Megan; Voit, G. Mark; and Sun, Ming
[2007 Eight Years of Science with Chandra Symposium](#)

POSTER: “*Chandra Studies of Dark Matter and Galaxy Formation: Signatures from the Intracluster Medium*”
Donahue, Megan; Sun, M.; **Cavagnolo, K.**; Voit, G.
[2006 Winter Meeting of the American Astronomical Society](#)

PROCEEDING: “*Abundances of s-process elements in planetary nebulae: Br, Kr & Xe*”
Zhang, Y.; Williams, R.; Pellegrini, E.; **Cavagnolo, K.**; Baldwin, J. A.; Sharpee, B.;
Phillips, M.; Liu, X.-W.
[2006 IAU Symposium](#)

POSTER: “*Studies of Entropy Distributions in X-ray Luminous Clusters of Galaxies*”
Cavagnolo, K. W.; Donahue, M. E.; Voit, G. M.; Sun, M.; Evrard, A. E.
[2005 Winter Meeting of the American Astronomical Society](#)

POSTER: “*Entropy Distributions in the Cores of Nearby X-ray Luminous Clusters of Galaxies*”
Cavagnolo, K. W.; Donahue, M. E.; Voit, G. M.; Horner, D. J.; Evrard, A. E.
[2004 Winter Meeting of the American Astronomical Society](#)

POSTER: “*Radio-Free Cluster Cooling Flows*”
Donahue, M. E.; Voit, G. M.; **Cavagnolo, K.**
[2004 Winter Meeting of the American Astronomical Society](#)