

# Stanford

---



## Glenn Morris

Software Developer, KIPAC

### Bio

---

#### PROJECTS

- Rubin Observatory LSST Camera - SLAC National Accelerator Laboratory
- The Athena Wide Field Imager - Stanford University
- Dark Energy Science Collaboration (Rubin Observatory Legacy Survey of Space and Time) - Stanford University
- The Dark Energy Survey - Stanford University

#### LINKS

- XOC group: <https://xoc.stanford.edu>
- KIPAC: <https://kipac.stanford.edu>
- INSPIRE: <https://inspirehep.net/authors/1597795>

### Publications

---

#### PUBLICATIONS

- **Improved noise performance from the next-generation buried-channel p-MOSFET SiSeROs** *JOURNAL OF ASTRONOMICAL TELESCOPES INSTRUMENTS AND SYSTEMS*  
Chattopadhyay, T., Herrmann, S., Kaplan, M., Orel, P., Donlon, K., Prigozhin, G., Morris, G., Cooper, M., Malonis, A., Allen, S. W., Bautz, M. W., Leitz, C.  
2023; 9 (2)
- **The Concentration-Mass relation of massive, dynamically relaxed galaxy clusters: agreement between observations and  $\Lambda$ CDM simulations** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Darragh-Ford, E., Mantz, A. B., Rasia, E., Allen, S. W., Morris, R., Foster, J., Schmidt, R. W., Wenrich, G.  
2023; 521 (1): 790-799
- **The Evolution and Mass Dependence of Galaxy Cluster Pressure Profiles at  $0.05 \leq z \leq 0.60$  and  $4 \times 10^{14} M_{\odot} \leq M(500) \leq 30 \times 10^{14} M_{\odot}$**  *ASTROPHYSICAL JOURNAL*  
Sayers, J., Mantz, A. B., Rasia, E., Allen, S. W., Cui, W., Golwala, S. R., Morris, R., Wan, J. T.  
2023; 944 (2)
- **Chandra measurements of gas homogeneity and turbulence at intermediate radii in the Perseus Cluster** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
de Vries, M., Mantz, A. B., Allen, S. W., Morris, R., Zhuravleva, I., Canning, R. A., Ehlert, S. R., Ogorzalek, A., Simionescu, A., Werner, N.  
2023; 518 (2): 2954-2970
- **Reduction of cosmic-ray induced background in astronomical X-ray imaging detectors via image segmentation methods**  
Poliszczuk, A., Wilkins, D., Allen, S. W., Miller, E., Chattopadhyay, T., Bautz, M., Darve, J., Foster, R., Grant, C. E., Herrmann, S., Kraft, R., Morris, R., Orel, et al  
SPIE-INT SOC OPTICAL ENGINEERING.2023

- **Cosmological constraints from gas mass fractions of massive, relaxed galaxy clusters** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Mantz, A. B., Morris, R., Allen, S. W., Canning, R. A., Baumont, L., Benson, B., Bleem, L. E., Ehlert, S. R., Floyd, B., Herbonnet, R., Kelly, P. L., Liang, S., von Der Linden, et al  
2022; 510 (1): 131-145
- **X-ray speed reading with the MCRC: a low noise CCD readout ASIC enabling readout speeds of 5 Mpixel/s/channel**  
Orel, P., Herrmann, S., Chattopadhyay, T., Morris, G., Allen, S. W., Prigozhin, G. Y., Foster, R., Malonis, A., Bautz, M. W., Cooper, M. J., Donlon, K., Holland, A. D., Beletic, et al  
SPIE-INT SOC OPTICAL ENGINEERING.2022
- **Reducing the background in X-ray imaging detectors via machine learning**  
Wilkins, D. R., Allen, S. W., Miller, E. D., Bautz, M., Chattopadhyay, T., Foster, R., Grant, C. E., Herrmann, S., Kraft, R., Morris, R. G., Nulsen, P., Schellenberger, G., DenHerder, et al  
SPIE-INT SOC OPTICAL ENGINEERING.2022
- **Performance of high frame-rate X-ray CCDs for future strategic missions**  
Bautz, M., Foster, R., Grant, C. E., LaMarr, B., Malonis, A., Miller, E., Prigozhin, G., Burke, B., Cooper, M., Donlon, K., Lambert, R., Warner, K., Young, et al  
SPIE-INT SOC OPTICAL ENGINEERING.2022
- **Development and characterization of a fast and low noise readout for the next generation x-ray charge-coupled devices** *Journal of Astronomical Telescopes, Instruments, and Systems*  
Chattopadhyay, T., et al  
2022; 8 (2): 12
- **First results on SiSeRO devices: a new x-ray detector for scientific instrumentation** *Journal of Astronomical Telescopes, Instruments, and Systems*  
Chattopadhyay, T., et al  
2022; 8 (2): 12
- **Rubin observatory commissioning camera: summit integration**  
Stalder, B., Reil, K., Aguilar, C., Araya, C., Borstad, A., Bowdish, B., Cho, M., Cisneros, S., Claver, C., Constanzo, J., Corvetto, G., Dennihy, E., Drass, et al  
SPIE-INT SOC OPTICAL ENGINEERING.2022
- **X-ray speed reading: enabling fast, low noise readout for next-generation CCDs**  
Herrmann, S., Orel, P., Chattopadhyay, T., Morris, R. G., Prigozhin, G., Donlon, K., Foster, R., Bautz, M., Allen, S., Leitz, C., Holland, A. D., Beletic, J.  
SPIE-INT SOC OPTICAL ENGINEERING.2022
- **Single electron Sensitive Readout (SiSeRO) X-ray detectors: Technological progress and characterization**  
Chattopadhyay, T., Herrmann, S., Orel, P., Morris, R. G., Wilkins, D. R., Allen, S. W., Prigozhin, G., LaMarr, B., Malonis, A., Foster, R., Bautz, M. W., Donlon, K., Cooper, et al  
SPIE-INT SOC OPTICAL ENGINEERING.2022
- **The history of metal enrichment traced by X-ray observations of high-redshift galaxy clusters** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Flores, A. M., Mantz, A. B., Allen, S. W., Morris, R., Canning, R. A., Bleem, L. E., Calzadilla, M. S., Floyd, B. T., McDonald, M., Ruppin, F.  
2021; 507 (4): 5195-5204
- **Spectroscopic quantification of projection effects in the SDSS redMaPPer galaxy cluster catalogue** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Myles, J., Gruen, D., Mantz, A. B., Allen, S. W., Morris, R. G., Rykoff, E., Costanzi, M., To, C., DeRose, J., Wechsler, R. H., Rozo, E., Jeltama, T., Carrasco, et al  
2021; 505 (1): 33-44
- **Measuring H-0 using X-ray and SZ effect observations of dynamically relaxed galaxy clusters** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Wan, J. T., Mantz, A. B., Sayers, J., Allen, S. W., Morris, R., Golwala, S. R.  
2021; 504 (1): 1062-1076
- **Progress toward fast, low-noise, low-power digital CCDs for Lynx and other high-energy astrophysics missions**  
Bautz, M., Burke, B., Cooper, M., Craig, D., Donlon, K., Foster, R., Grant, C. E., LaMarr, B., Leitz, C., Malonis, A., Miller, E., Prigozhin, G., Thayer, et al  
SPIE-INT SOC OPTICAL ENGINEERING.2021
- **Identifying charged particle background events in X-ray imaging detectors with novel machine learning algorithms**

- Wilkins, D. R., Allen, S. W., Miller, E. D., Bautz, M., Chattopadhyay, T., Fort, S., Grant, C. E., Herrmann, S., Kraft, R., Morris, R. G., Nulsen, P., DenHerder, J. W., Nikzad, et al  
SPIE-INT SOC OPTICAL ENGINEERING.2021
- **The environmental dependence of X-ray AGN activity at  $z$  similar to 0.4** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Noordeh, E., Canning, R. A., King, A., Allen, S. W., Mantz, A., Morris, R. G., Ehlert, S., von der Linden, A., Brandt, W. N., Luo, B., Xue, Y. Q., Kelly, P.  
2020; 498 (3): 4095-4108
  - **Deep XMM-Newton observations of the most distant SPT-SZ galaxy cluster** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Mantz, A. B., Allen, S. W., Morris, R., Canning, R. A., Bayliss, M., Bleem, L. E., Floyd, B. T., McDonald, M.  
2020; 496 (2): 1554-64
  - **Spectroscopic confirmation of a mature galaxy cluster at a redshift of 2** *NATURE*  
Willis, J. P., Canning, R. A., Noordeh, E. S., Allen, S. W., King, A. L., Mantz, A., Morris, R. G., Stanford, S. A., Brammer, G.  
2020; 577 (7788): 39-+
  - **Rubin commissioning camera: integration, functional testing, and lab performance** *Ground-based and Airborne Instrumentation for Astronomy*  
Stalder, B., Reil, K., Claver, C., Liang, M., Tsai, T. W., Lange, T., Haupt, J., Wiecha, O., Lopez, M., Poczulp, G., Hascall, D., Neill, D., Sebag, et al  
2020
  - **MCRC VI: development of integrated readout electronics for next generation X-ray CCD detectors for future satellite observatories** *X-Ray, Optical, and Infrared Detectors for Astronomy*  
Herrmann, S., Wong, J., Chattopadhyay, T., Morris, R. G., Burke, B., Prigozhin, G., Cooper, M., Craig, D., Donlon, K., Foster, R., Malonis, A., Bautz, M., Allen, et al  
2020
  - **Tiny-box: a tool for the versatile development and characterization of low noise fast x-ray imaging detectors** *X-Ray, Optical, and Infrared Detectors for Astronomy*  
Chattopadhyay, T., Herrmann, S., Allen, S., Hirschman, J., Morris, G., Bautz, M., Malonis, A., Foster, R., Prigozhin, G., Craig, D., Burke, B.  
2020
  - **Ellipticity of brightest cluster galaxies as tracer of halo orientation and weak-lensing mass bias** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Herbonnet, R., von der Linden, A., Allen, S. W., Mantz, A. B., Modumudi, P., Morris, R., Kelly, P. L.  
2019; 490 (4): 4889-97
  - **Dark Energy Surveyed Year 1 results: calibration of cluster mis-centring in the redMaPPer catalogues** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Zhang, Y., Jeltama, T., Hollowood, D. L., Everett, S., Rozo, E., Farahi, A., Bermeo, A., Bhargava, S., Giles, P., Romer, A. K., Wilkinson, R., Rykoff, E. S., Mantz, et al  
2019; 487 (2): 2578-2593
  - **Cluster Cosmology Constraints from the 2500 deg<sup>2</sup> SPT-SZ Survey: Inclusion of Weak Gravitational Lensing Data from Magellan and the Hubble Space Telescope** *ASTROPHYSICAL JOURNAL*  
Bocquet, S., Dietrich, J. P., Schrabback, T., Bleem, L. E., Klein, M., Allen, S. W., Applegate, D. E., Ashby, M. N., Bautz, M., Bayliss, M., Benson, B. A., Brodwin, M., Bulbul, et al  
2019; 878 (1)
  - **Dark Energy Survey Year 1 results: weak lensing mass calibration of redMaPPer galaxy clusters** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
McClintock, T., Varga, T. N., Gruen, D., Rozo, E., Rykoff, E. S., Shin, T., Melchior, P., DeRose, J., Seitz, S., Dietrich, J. P., Sheldon, E., Zhang, Y., von der Linden, et al  
2019; 482 (1): 1352-78
  - **Improved Cosmological Constraints from SDSS redMaPPer Clusters via X-ray Follow-up of a Complete Subsample of Systems**  
Kirby, M., Rozo, E., Morris, R. G., Allen, S. W., Constanzi, M., Jeltama, T. E., Mantz, A. B., Romer, K. A., Rykoff, E. S., von der Linden, A.  
arXiv:1910.13548.  
2019
  - **US Contributions to the Athena Wide Field Imager**  
Burrows, D. N., Allen, S., Bautz, M., Bulbul, E., Chattopadhyay, T., Erdley, J., Falcone, A. D., Grant, C. E., Herrmann, S., Hornschemeier, A., Kelly, D., Kennea, J., Kraft, et al

SPIE-INT SOC OPTICAL ENGINEERING.2019

- **Centre-excised X-ray luminosity as an efficient mass proxy for future galaxy cluster surveys** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Mantz, A. B., Allen, S. W., Morris, R., von der Linden, A.  
2018; 473 (3): 3072–79
- **The metallicity of the intracluster medium over cosmic time: further evidence for early enrichment** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Mantz, A. B., Allen, S. W., Morris, R., Simionescu, A., Urban, O., Werner, N., Zhuravleva, I.  
2017; 472 (3): 2877–88
- **Weighing the giants - V. Galaxy cluster scaling relations(vol 463, pg 3582, 2016)** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Mantz, A. B., Allen, S. W., Morris, R., von der Linden, A., Applegate, D. E., Kelly, P. L., Burke, D. L., Donovan, D., Ebeling, H.  
2017; 467 (3): 3443-3446
- **The Grism Lens-Amplified Survey from Space (GLASS). VIII. The Influence of the Cluster Properties on H alpha Emitter Galaxies at  $0.3 < z < 0.7$**  *ASTROPHYSICAL JOURNAL*  
Vulcani, B., Treu, T., Nipoti, C., Schmidt, K. B., Dressler, A., Morshita, T., Poggianti, B. M., Malkan, M., Hoag, A., Bradac, M., Abramson, L., Trenti, M., Pentericci, et al  
2017; 837 (2)
- **A series of shocks and edges in Abell 2219** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Canning, R. E., Allen, S. W., APPLGATE, D. E., Kelly, P. L., Von der Linden, A., Mantz, A., Million, E., Morris, R. G., Russell, H. R.  
2017; 464 (3): 2896-2909
- **Weighing the giants - V. Galaxy cluster scaling relations** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Mantz, A. B., Allen, S. W., Morris, R. G., von der Linden, A., Applegate, D. E., Kelly, P. L., Burke, D. L., Donovan, D., Ebeling, H.  
2016; 463 (4): 3582-3603
- **Cosmology and astrophysics from relaxed galaxy clusters - V. Consistency with cold dark matter structure formation** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Mantz, A. B., Allen, S. W., Morris, R. G.  
2016; 462 (1): 681-688
- **Deep Chandra study of the truncated cool core of the Ophiuchus cluster** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Werner, N., Zhuravleva, I., Canning, R. E., Allen, S. W., King, A. L., Sanders, J. S., Simionescu, A., Taylor, G. B., Morris, R. G., Fabian, A. C.  
2016; 460 (3): 2752-2764
- **Cosmology and astrophysics from relaxed galaxy clusters - IV. Robustly calibrating hydrostatic masses with weak lensing** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Applegate, D. E., Mantz, A., Allen, S. W., Von der Linden, A., Morris, R. G., Hilbert, S., Kelly, P. L., Burke, D. L., Ebeling, H., Rapetti, D. A., SCHMIDT, R. W.  
2016; 457 (2): 1522-1534
- **Cosmology and astrophysics from relaxed galaxy clusters - III. Thermodynamic profiles and scaling relations** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Mantz, A. B., Allen, S. W., Morris, R. G., SCHMIDT, R. W.  
2016; 456 (4): 4020-4039
- **THE GRISM LENS-AMPLIFIED SURVEY FROM SPACE (GLASS). V. EXTENT AND SPATIAL DISTRIBUTION OF STAR FORMATION IN z similar to 0.5 CLUSTER GALAXIES** *ASTROPHYSICAL JOURNAL*  
Vulcani, B., Treu, T., Schmidt, K. B., Poggianti, B. M., Dressler, A., Fontana, A., Bradac, M., Brammer, G. B., Hoag, A., Huang, K., Malkan, M., Pentericci, L., Trenti, et al  
2015; 814 (2)
- **New constraints on f(R) gravity from clusters of galaxies** *PHYSICAL REVIEW D*  
Cataneo, M., Rapetti, D., Schmidt, F., Mantz, A. B., Allen, S. W., Applegate, D. E., Kelly, P. L., von der Linden, A., Morris, R. G.  
2015; 92 (4)
- **Optical and Sunyaev-Zel'dovich observations of a new sample of distant rich galaxy clusters in the ROSAT All Sky** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*

- Buddendiek, A., Schrabback, T., GREER, C. H., HOEKSTRA, H., Sommer, M., Eifler, T., Erben, T., Erler, J., Hicks, A. K., High, F. W., Hildebrandt, H., Marrone, D. P., Morris, et al  
2015; 450 (4): 4248-4276
- **Cosmology and astrophysics from relaxed galaxy clusters - I. Sample selection** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Mantz, A. B., Allen, S. W., Morris, R. G., Schmidt, R. W., von der Linden, A., Urban, O.  
2015; 449 (1): 199-219
  - **X-ray bright active galactic nuclei in massive galaxy clusters - III. New insights into the triggering mechanisms of cluster AGN** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Ehlert, S., Allen, S. W., Brandt, W. N., Canning, R. E., Luo, B., Mantz, A., Morris, R. G., Von der Linden, A., Xue, Y. Q.  
2015; 446 (3): 2709-2729
  - **Weighing the giants - IV. Cosmology and neutrino mass** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Mantz, A. B., von der Linden, A., Allen, S. W., Applegate, D. E., Kelly, P. L., Morris, R. G., Rapetti, D. A., Schmidt, R. W., Adhikari, S., Allen, M. T., Burchat, P. R., Burke, D. L., Cataneo, et al  
2015; 446 (3): 2205-2225
  - **Robust weak-lensing mass calibration of Planck galaxy clusters** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
von der Linden, A., Mantz, A., Allen, S. W., Applegate, D. E., Kelly, P. L., Morris, R. G., Wright, A., Allen, M. T., Burchat, P. R., Burke, D. L., Donovan, D., Ebeling, H.  
2014; 443 (3): 1973-1978
  - **Cosmology and astrophysics from relaxed galaxy clusters - II. Cosmological constraints** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Mantz, A. B., Allen, S. W., Morris, R. G., Rapetti, D. A., APPLGATE, D. E., Kelly, P. L., Von der Linden, A., SCHMIDT, R. W.  
2014; 440 (3): 2077-2098
  - **Weighing the Giants - II. Improved calibration of photometry from stellar colours and accurate photometric redshifts** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Kelly, P. L., von der Linden, A., Applegate, D. E., Allen, M. T., Allen, S. W., Burchat, P. R., Burke, D. L., Ebeling, H., Capak, P., Czoske, O., Donovan, D., Mantz, A., Morris, et al  
2014; 439 (1): 28-47
  - **Weighing the Giants - III. Methods and measurements of accurate galaxy cluster weak-lensing masses** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Applegate, D. E., von der Linden, A., Kelly, P. L., Allen, M. T., Allen, S. W., Burchat, P. R., Burke, D. L., Ebeling, H., Mantz, A., Morris, R. G.  
2014; 439 (1): 48-72
  - **Weighing the Giants - I. Weak-lensing masses for 51 massive galaxy clusters: project overview, data analysis methods and cluster images** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
von der Linden, A., Allen, M. T., Applegate, D. E., Kelly, P. L., Allen, S. W., Ebeling, H., Burchat, P. R., Burke, D. L., Donovan, D., Morris, R. G., Blandford, R., Erben, T., Mantz, et al  
2014; 439 (1): 2-27
  - **Azimuthally resolved X-ray spectroscopy to the edge of the Perseus Cluster** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Urban, O., Simionescu, A., Werner, N., Allen, S. W., Ehlert, S., Zhuravleva, I., Morris, R. G., Fabian, A. C., Mantz, A., Nulsen, P. E., Sanders, J. S., Takei, Y.  
2014; 437 (4): 3939-3961
  - **X-ray bright active galactic nuclei in massive galaxy clusters - II. The fraction of galaxies hosting active nuclei** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Ehlert, S., Von der Linden, A., Allen, S. W., Brandt, W. N., Xue, Y. Q., Luo, B., Mantz, A., Morris, R. G., Applegate, D., Kelly, P.  
2014; 437 (2): 1942-1949
  - **X-ray bright active galactic nuclei in massive galaxy clusters - I. Number counts and spatial distribution** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Ehlert, S., Allen, S. W., Brandt, W. N., Xue, Y. Q., Luo, B., Von der Linden, A., Mantz, A., Morris, R. G.  
2013; 428 (4): 3509-3525
  - **Fueling X-ray AGN in the Most Massive Galaxy Clusters** *Half a Century of X-ray Astronomy*  
Ehlert, S., Allen, S., Brandt, N., von der Linden, A., Luo, B., Mantz, A., Morris, G., Xue, Y.  
2012

- **Baryons at the Edge of the X-ray-Brightest Galaxy Cluster** *SCIENCE*  
Simionescu, A., Allen, S. W., Mantz, A., Werner, N., Takei, Y., Morris, R. G., Fabian, A. C., Sanders, J. S., Nulsen, P. E., George, M. R., Taylor, G. B.  
2011; 331 (6024): 1576-1579
- **Extreme active galactic nucleus feedback and cool-core destruction in the X-ray luminous galaxy cluster MACS J1931.8-2634** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Ehler, S., Allen, S. W., Von der Linden, A., Simionescu, A., Werner, N., Taylor, G. B., Gentile, G., Ebeling, H., Allen, M. T., Applegate, D., Dunn, R. J., Fabian, A. C., Kelly, et al  
2011; 411 (3): 1641-1658
- **CONSTRAINING DARK ENERGY AND GRAVITY WITH X-RAY GALAXY CLUSTERS** *7th International Heidelberg Conference on Dark Matter in Astrophysics and Particle Physics (DARK 2009)*  
Rapetti, D., Allen, S. W., Mantz, A., Morris, R. G., Ebeling, H., Schmidt, R., Fabian, A. C.  
WORLD SCIENTIFIC PUBL CO PTE LTD.2010: 426-439
- **CONSTRAINING GRAVITY AT LARGE SCALES WITH X-RAY GALAXY CLUSTER STUDIES** *Conference on Dark Energy, Dark Matter - Observation, Experiments and Theories*  
Rapetti, D., Allen, S. W., Mantz, A., Ebeling, H., Schmidt, R., Morris, R. G., Fabian, A. C.  
E D P SCIENCES.2009: 149-151
- **REVEALING THE PROPERTIES OF DARK MATTER IN THE MERGING CLUSTER MACS J0025.4-1222** *ASTROPHYSICAL JOURNAL*  
Bradac, M., Allen, S. W., Treu, T., Ebeling, H., Massey, R., Morris, R. G., von der Linden, A., Applegate, D.  
2008; 687 (2): 959-967
- **Cool X-ray emitting gas in the core of the Centaurus cluster of galaxies** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Sanders, J. S., Fabian, A. C., Allen, S. W., Morris, R. G., Graham, J., Johnstone, R. M.  
2008; 385 (3): 1186-1200
- **Improved constraints on dark energy from Chandra X-ray observations of the largest relaxed galaxy clusters** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Allen, S. W., Rapetti, D. A., SCHMIDT, R. W., Ebeling, H., Morris, R. G., Fabian, A. C.  
2008; 383 (3): 879-896
- **Tracing gas motions in the Centaurus cluster** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Graham, J., Fabian, A. C., Sanders, J. S., Morris, R. G.  
2006; 368 (3): 1369-1376
- **An XMM-Newton observation of Abell 2597** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Morris, R. G., Fabian, A. C.  
2005; 358 (2): 585-600
- **The galaxy cluster Abell 3581 as seen by Chandra** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Johnstone, R. M., Fabian, A. C., Morris, R. G., Taylor, G. B.  
2005; 356 (1): 237-246
- **An XMM-Newton observation of Abell 259** *COSPAR Scientific Assembly*  
Morris, G., Fabian, A.  
2004
- **Some effects of small-scale metallicity variations in cooling flows** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Morris, R. G., Fabian, A. C.  
2003; 338 (4): 824-836
- **On conduction, cooling flows and galaxy formation** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Fabian, A. C., Voigt, L. M., Morris, R. G.  
2002; 335 (3): L71-L74
- **The missing soft X-ray luminosity in cluster cooling flows** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Fabian, A. C., Allen, S. W., Crawford, C. S., Johnstone, R. M., Morris, R. G., Sanders, J. S., SCHMIDT, R. W.  
2002; 332 (3): L50-L54

- **Inhomogeneous metallicities and cluster cooling flows**

Morris, R. G., Fabian, A. C., FuscoFemiano, R., Matteucci, F.  
ASTRONOMICAL SOC PACIFIC.2002: 85-90