

Curriculum Vitae

Amber Dawn Miller

**Columbia University
The Faculty of Arts and Sciences**

209 Low Library
535 West 116th Street
Office: (212) 854-4987
Email: amiller@columbia.edu

Administrative Positions

2011 – present **Columbia University**, Dean of Science, The Faculty of Arts & Sciences

Academic Positions

2011 – present **Columbia University**, Professor of Physics
2008 – 2011 **Columbia University**, Walter LeCroy Jr. Associate Professor of Physics
2006 – 2008 **Columbia University**, Associate Professor of Physics
2002 – 2006 **Columbia University**, Assistant Professor of Physics
2000 – 2002 **The University of Chicago**, Hubble Fellow
1997 – 2000 **Princeton University**, NASA GSRP Fellow
1995 – 1997 **Princeton University**, Princeton University President's Fellow
1994 – 1995 **U. C. Berkeley**, Research Assistant, Department of Astronomy
1992 – 1994 **U. C. Berkeley**, Research Assistant, Department of Physics

Education

- **Princeton University, PhD Physics, 2000**
- **Princeton University, MA Physics, 1997**
- **University of California at Berkeley, BA Physics and Astronomy, 1995**

Research Interests

Experimental Cosmology, Physics of the Early Universe, The Origin and Evolution of the Universe, Temperature and Polarization Anisotropy in the Cosmic Microwave Background, Sunyaev-Zel'dovich effect in clusters of galaxies.

Honors and Awards

Fellow of the American Physical Society, 2014
Lenfest Distinguished Faculty Award, 2008
NSF CAREER Award, 2005
Alfred P. Sloan Fellowship, 2005
Hubble Fellowship, 2000
Dodds Foundation Fellowship for Outstanding Thesis Research (Princeton), 2000
NASA Graduate Student Research Program (GSRP) Fellowship, 1997
President's Fellowship (Princeton University), 1995
Klumpke Award (U. C. Berkeley), 1995
University Honors in Physics (U. C. Berkeley), 1995

University Administration Leadership

Dean of Science for the Faculty of Arts & Sciences, Columbia University

Responsibilities

Reporting to the Executive Vice-President (EVP) for Arts and Sciences (A&S), the Dean of Science is responsible for Columbia's nine natural science departments and their associated centers, and for strategic planning for the future of science at Columbia. Responsibilities include overseeing academic, financial, space, and facilities activities and planning; fundraising; recruiting, retaining, and promoting the natural science faculty and the scientists on parallel research and teaching tracks (roughly 220 faculty, 60 researchers, and 40 lecturers) of Columbia's nine science departments. This includes overseeing all tenure and promotion cases, negotiating all hires and retentions including salaries, laboratory spaces and renovations, startup packages, housing, schooling, spousal positions, etc., as well as overseeing regular reviews of departments and programs. The Dean of Science also closely collaborates with the deans of the divisions of Humanities and Social Science, as well as with the leadership of the School of Engineering; the Medical Center; The Earth Institute; the Zuckerman Mind, Brain, and Behavior Institute; The Data Sciences Institute, The Precision Medicine Initiative; the office of Alumni and Development; the EVP for Research; the EVP for Communications; the EVP for Facilities; and the Provost.

Strategic Planning

Developed and implemented the first significant strategic plan for science at Columbia University, and subsequently seeded a University-wide science initiative. The result of a collaborative and consultative process, the strategic plan articulates the needs and ambitions of the University's nine science departments in the context of their individual and collective goals, and in their relationship to the needs and goals of the other schools and institutes at the University. The plan includes new strategies for recruiting outstanding faculty, the construction and allocation of new shared facilities that will support research across a wide range of disciplinary and interdisciplinary programs, a program to seed new intellectual centers, a program for recruiting interdisciplinary faculty, a new Columbia Prize Postdoctoral Fellows program, and initiatives to improve administrative efficiency and laboratory infrastructure. The strategic plan includes a detailed ten-year budget covering all operating and capital expenses, endowment and debt capacity requirements, and clear fundraising goals. Served as an ambassador to chairs of Social Science and Humanities departments, explaining planning process and understanding concerns and issues within other divisions relevant to proceeding with overall planning exercise. The result was that this plan currently serves as the primary model for the development of strategic plans the Arts and Sciences divisions of Humanities and Social Sciences, as well as for the School of Engineering.

Programs and Leadership Structures

- Designed laboratory infrastructure support program to enhance capacity for laboratory research and effectiveness of shared research facilities
- Initiated postdoctoral scholars program (pilot for prize postdoctoral fellows program)
- Established new leadership and governance models for Columbia's newest science building (in collaboration with Executive Vice-President for Research)

Fundraising

- With the Office of Alumni and Development, raising funds for a range of specific initiatives including, for example:
 - Research Greenhouse
 - Center for Theoretical Physics

- Shared Nanofabrication Laboratory
- Endowed Postdoctoral Fellowship Program
- Endowed Faculty Chairs
- Currently building a fundraising advisory committee for a ten-year campaign for science
- Led production of development material describing Columbia's science initiatives as a whole and detailed individual development opportunities

Visibility and Communications

- Regularly present science activity to Columbia board of trustees
- Work with the Executive Vice-President for Communications to identify compelling science stories for internal and external distribution
- Work with Executive Vice-President for Communications and Executive Vice-President for Research on University-wide communications strategy for science
- With Director of Global Centers, connect Columbia science research and teaching to activity in Global Centers' regions
- Hosted the first Columbia World Leader's Forum on science
- Oversaw the development of the Science Initiative web site
- Oversaw the publication of outreach materials related to Columbia's science initiative

Space Planning and Renovations

- Regularly oversee design and construction of multi-million dollar projects for laboratories, offices, and shared facilities
- Led ten-year space-planning and budgeting process for six science buildings (constituting more than 200,000 square feet and housing roughly 200 research and teaching projects)

Examples of Work Across School and Disciplinary Boundaries

- Member, Columbia University Committee on Global Thought (2015 – present)
- Advisory Board Member, Center for Science and Society (2014-present)
- Overseeing the development of new interdisciplinary centers and institutes including the recently launched Columbia Neurotechnology Center, and the emerging Nanoscience Institute, and Astrobiology Center (2014 - present)
- Member of University-Wide Task force and core planning group for the development of the new University-wide Precision Medicine initiative (2014 – present)
- Negotiated the MOUs for A&S-wide participation in the University-wide Zuckerman Mind Brain, and Behavior Institute (2014)
- Member of committee drafting institutional conflict of interest policy (2013-2014)
- Participant in Comparative Literature-led proposal for “Re-thinking the human sciences” (2013-present)
- Spearheaded and negotiated agreement between A&S and School of Engineering and Applied Sciences (SEAS) to jointly provide \$12M seed funding for new nanoscience center (2012)
- Instructional Budget: Allocates faculty lines across Arts and Sciences (2011 – present)
- Academic Review: Reviews departments and institutes across A&S (2011-present)
- Promotions and Tenure: Conducts reviews of all Arts and Sciences faculty and researchers in all fields within A&S (2011-present)
- Ongoing work developing synergistic relationships between Zuckerman Mind Brain, and Behavior Institute, The University-Wide Precision Medicine Initiative, the Earth Institute and, the Institute for Data Sciences and Engineering, and key Arts and Sciences faculty in all fields (2011-present)

As chair of the Executive Committee of the Faculty of Arts and Sciences (ECFAS), spearheaded effort to combine the two executive-level faculty advisory groups to the Executive Vice-President

of Arts and Sciences, the steering committee of the chairs and ECFAS, into a single combined advisory committee, the Policy and Planning Committee (required re-drafting significant statutes and a ratification by more than 50% of the faculty) (2009-2010).

Academic Experience

Professional Society Memberships

2014 – present, American Geophysical Union
2014 – present, American Association for the Advancement of Science
2011 – present, American Physical Society
2011 – present, Simons Science Series
2008 – 2013, Council on Foreign Relations
1996 – present, American Astronomical Society

Courses Taught

- Physics: Physics for Poets
- Physics: Introductory Mechanics and Relativity
- Physics: Introduction to Electricity, Magnetism, and Thermodynamics
- Physics: Seminar: Contemporary Cosmology
- Physics: Seminar: Physics, Politics, and Critical Thinking
- Earth and Environmental Science: Weapons of Mass Destruction

Other Professional Activities

- Member NASA Physics of the Cosmos Program Analysis Group Executive Committee (2014 – present)
- Member-at-Large APS Division of Astrophysics Executive Committee (2011-2014)
- Member NASA Inflation Probe Science Analysis Group – IPSAG (2011-present)
- Member NASA Review of Astrophysics programs for Research, Analysis and Enabling Technology (2011)
- Member NASA Primordial Polarization Program Definition Team (2007-2010)
- Reviewer and panel chair for various programs – NASA (ongoing)
- Reviewer for various programs – NSF (ongoing)
- Reviewer for various programs – NRAO (ongoing)
- Reviewer for Physics Review Letters (ongoing)
- Reviewer for Astronomy and Astrophysics (ongoing)
- Reviewer for Astrophysical Journal (ongoing)
- Reviewer Fondazione Cariparo (2008)

University Service

- Member, Columbia University Committee on Global Thought (2015 – present)
- Advisory Board for the Center for Science and Society (member), 2014 - present
- University Conflict of Interest Policy Drafting Committee (member), 2013-2014
- Advisory committee of Columbia's Science Honors Program (member), 2011-present
- Executive Committee of the Faculty of Arts and Sciences (chair), 2009-2010
- Executive Committee of the Faculty of Arts and Sciences (member), 2008-2009
- Space Planning Committee, 2008-2010
- Faculty Budget Group, 2008-2010
- Academic Review Committee (ex officio), 2009-2010
- Jr. Faculty Search Committee, 2003-2010
- Qualifying Exam Committee, 2008-2009
- Building Committee (Chair), 2007-2008

- Nevis Laboratories Retreat Committee, 2007-2008
- Graduate Admissions Committee, 2003-2004 & 2007-2008
- Student – faculty Issues Committee, 2005-2006
- Machine Shop Committee (Chair), 2004-2007
- Machine Shop Committee, 2003-2004
- Thesis Committees (Jameson Rollins, 2010; Maurice Leutnegger, 2007; Jun Zhang, 2007; Adam Litz, 2005; John Peterson, 2004; Tzu-Ching Chang, 2004)

Selected Educational Outreach Activities

- Panelist, Plenary Session World Science Festival, “Ripples from the Big Bang: The Inflation Debate Make Waves in Physics”
- Panelist, Plenary Session World Science Festival, “Afterglow: Dispatches from the Birth of the Universe”, 2012
- Moderator, Columbia World Leaders Forum, “What if we find the Higgs particle? And what if we don’t?”, 2012
- Enrichment Speaker business organizations, ongoing
- Enrichment Speaker community outreach, ongoing
- Invited Speaker, General Studies Alumni Event, New York, 2010
- Invited Speaker, Houston Alumni Organization, Houston, 2010
- Café Science Speaker, “Decoding Cosmic Cryptography, in Search of the Holy Grail”, 2007
- Leader of NSF REU (Research Experience for Undergraduates), 2005-2010
- Leader of NSF-funded partnership with School for Democracy and Leadership summer program for high school students, 2004-2010
- Leader of partnership with Renaissance Charter School for participation of high school students in the construction of the Sunyaev-Zel’dovich Array, 2002-2004

Selected Synergistic Activities

- Chief Science Advisor, NYPD Counterterrorism Bureau, 2009-2010
- Member, Council on Foreign Relations, 2008-2013
- Physics Consultant to screenwriter Rachel Johnson for screenplay based on the life of Mileva Maric, 2007.
- Speaker at post-show forum, Epic Theater Center, 2006.
- Participant, Conference on Science and Politics, The New School, New York, NY, 2006
- Organizer, Roundtable Discussion at Columbia University with Union of Concerned Scientists on Scientific Integrity in Politics, 2005
- Speaker, “Satellite Verification of Nuclear Non-Proliferation Agreements”; talk given at The 11th International Summer Symposium on Science and World Affairs, Fudan University, Shanghai, China, 1999.

Grants and Awards

- Co-investigator – NASA grant “Search for Signatures of Inflation with the EBEX Balloon-Borne Instrument”, 2013-2016
- Co-investigator – NASA grant “Search for the B-mode Signal of the Cosmic Microwave Background Polarization with the Balloon-Borne E & B Experiment (EBEX)”, 2008-2013
- Principal Investigator – NSF CAREER grant “CAREER: A Novel Cosmic Microwave Background Polarization Experiment Based on Large Arrays of Coherent Polarimeters”, 2005-2010
- Co-Investigator – NSF grant “The QUIET Project: Phase I”, 2006-2009

- Co-investigator – NASA grant “Search for the B-mode Signal of the Cosmic Microwave Background Polarization with the Balloon-Borne E & B Experiment (EBEX)”, 2005-2008
- Principal Investigator – NSF grant “The Baryon Distribution in Galaxy Clusters and Groups; A New Look with the Sunyaev-Zel’dovich Array”, 2005-2008
- Co-investigator – NSF grant “A Multi-wavelength Study of Galaxy Clusters”, 2005-2008
- Principal Investigator – NASA grant “A U.S. Based Facility for Metal-Mesh Millimeter and Submillimeter Wave Filters”, 2004-2007
- Principal Investigator - Alfred P. Sloane Research Fellowship, 2005-2007
- Principal Investigator – NSF REU supplement to CAREER, 2008
- Principal Investigator – NSF REU supplement to CAREER, 2007
- Principal Investigator – NSF REU supplement to CAREER, 2006
- Principal Investigator – NSF REU supplement to CAREER, 2005
- Co-investigator – NASA grant “CMBPol: A Mission Concept Study for an Inflation Probe”, 2004-2006
- Principal Investigator – subcontract from JPL NASA grant “Columbia Participation in 91-element 90 GHz Polarimeter Array Suitable for Mapping Polarization in the Cosmic microwave Background”, 2004-2005
- Principal Investigator – subcontract from U. Chicago NSF grant “Development of an Advanced Heterogeneous Array for Probing the High Redshift Universe”, 2003-2005

Postdoctoral Fellows Advised

- Glenn Jones (current)
- Will Grainger (former)
- Ross Williamson (former)
- Jonathan Zwart (former)
- Britt Reichborn-Kjennerud (former)
- Julio Gallegos (former)

PhD Students Advised

- Bjorn Kjellstrand (current)
- Heather McCarrick (current, co-supervisor)
- Daniel Flanigan (current, co-supervisor)
- Derek Araujo (current)
- Daniel Chapman (current)
- Joy Didier (current), NASA Graduate Fellow, 2011-2014
- Seth Hillbrand (former), NSF Graduate Fellow, 2010-2013
- Robert Dumoulin (former)
- Marilena LoVerde (former, co-supervised)
- Britt Reichborn-Kjennerud (PhD 2010), NASA GSRP Fellow, 2007-2010; NSF AAP Postdoctoral Fellow, 2011-present
- Laura Newburgh (PhD 2010), Princeton Postdoctoral Scholar, 2010-present
- Tony Mroczkowski (PhD 2008), NASA Einstein Postdoctoral Fellow, 2009-present
- Stephen Muchovej (PhD 2008), NSF Graduate Fellow 2005-2008; NSF AAP Postdoctoral Fellow, 2008-present

Undergraduates Advised

Supervised approximately 50 undergraduate research students between 2002 and 2014

Refereed Publications

- Didier, J.; Chapman, D.; Aboobaker, A.M.; Araujo, D.; Grainger, W.; Hanany, S.; Helson, k.; Hillbrand, S.; Korotkov, A.; Limon M.; Miller, A.D.; Reichborn- Kjennerud, B.; Sagiv, I.; Tucker, G.; Vinokurov, Y..” A High-resolution Pointing System for Fast Scanning Platforms: the EBEX Example”, Submitted for Publication, (2014)
- Chapman, D.; Aboobaker, A. M.; Araujo, D.; Didier, J.; Grainger, W.; Hanany, S.; Hillbrand, S.; Limon M.; Miller, A.D.; Reichborn- Kjennerud, B.; Sagiv, I.; Tucker, G.; Vinokurov, Y.” Star Camera System and New Software for Autonomous and Robust Operation in Long Duration Flights”, Submitted for Publication, (2014)
- Appel, J.W.; Ali, A.; Amiri, M.; Araujo, D.; Bennett, C. L.; Boone, F.; Chan, M.; Cho, H.M.; Chuss, D.T.; Colazo, F.; Crowe, E.; Denis, K.; Dunner, R.; Eimer, J.; Essinger-Hileman, T.; Gothe, D.; Halpern, M.; Harrington, K.; Hilton, G.; Hinshaw, G. F.;Huang, C.; Irwin, K.; Jones, G.; Karakla, J.; Kogut, A. J.; Larson, D.; Limon, M.;Lowry, L.; Marriage, T.; Mehrle, N.; Miller, A.D.; Miller, N.; Moseley, S. H.;Novakh, G.; Reintsema, C.; Rostema, K.; Stevenson, T.; Towner, D.; U-Yen, K.; Wagner, E.; Watts, D.; Wollack, E.; Xu, Z. “The Cosmology Larger Angular Scale Surveyor(Class): 38 GHz detector array of bolometric polarimeters “Proceedings of the *SPIE* Volume 9153 (arXiv:1408.4789) (2014)
- EssingerHileman, T.; Ali, A.; Amiri, M.; Appel, J. W.; Araujo, D.; Bennett, C.L.; Boone, F.; Chan, M.; Cho, H.M.; Chuss, D.T.;Colazo, F.; Crowe, E.; Denis, K.; Dünner, R.; Eimer, J.; Gothe, D.; Halpern, M.; Harrington, K.; Hilton, G.; Hinshaw, G. F.; Huang, C.; Irwin, K.; Jones, G.; Karakla, J.; Kogut, A.J.; Larson, D.; Limon, M.; Lowry, L.; Marriage, T.; Mehrle, N.; Miller, A.D.; Miller, N.; Moseley, S.H.; Novak, G.; Reintsema, C.; Rostem, K.; Stevenson, T.; Towner, D.; U-Yen, K.; Wagner, E.; Watts, D.; Wollack, E.; Xu, Z.; Zeng, L.” CLASS: The Cosmology Large Angular Scale Surveyor.” Proceedings of the *SPIE* Volume 9153 (arXiv: 1408.4788) (2014)
- McCarrick, H.; Flanigan, D.; Jones, G.; Johnson, B.R.; Ade, P.; Araujo, D.; Bradford, K.; Cantor, R.; Che, G.; Day, P.; Doyle, S.; Leduc, H.; Limon, M.; Luu, V.; Mauskopf, P.; Miller, A. D.; Mroczkowski, T.; Tucker, C.; Zmuidzinas, J.” Horn-coupled, Commercially-Fabricated Aluminum Lumped-Element Kinetic Inductance Detectors for Millimeter Wavelengths” *Journal of Applied Physics* (arXiv:1407.7749) (2014)
- MacDermid, K.; Aboobaker, A.M.; Ade, P.; Aubin, F.; Baccigalupi, C.; Bandura, K.; Bao, C.; Borril, J.; Chapman, D.; Didier, J.; Dobb, M.; Grain, J.; Grainger, W.; Hanany, S.; Helson, K.; Hillbrand, S.; Hilton,T.; Hubmayr, H.; Irwin, K.; Johnson, B.; Jaffe, A.; Jones, T.; Kisner,T.; Klein, J.; Korotkov, A.; Lee, A.; Levinson, L.; Limon, M.; Miller, A.D.; Milligan, M.; Pascale,E.; Raach, K.; Reichborn-Kjennerud, B.; Reintsema, C.; Sagiv, I.; Smecher, G.; Stompor, R.; Tristram, M.; Tucker, G.; Westbrook, B.; Zilic, K. “The Performance of the Bolometer Array and Readout System During the 2012/2013 Flight of E and B Experiment” Proceedings of the *SPIE* Volume 9153, id. 915311 15 pp. (arXiv 1407.6894)(2014).
- Arajuo, D.C.; Ade, P.; Bond, J.R.; Bradford, K.J.; Chapman D.; Che, G.; Day, P.k.; Didier, J.; Doyle, S.; Eriksen, H.K.; Flanigan, D.; Groppi, C.E.; Hillbrand S.N.; Johnson, B.R.; Jones, G.; Limon, M.; Miller, A.D.; Mauskopf, P.; McCarrick, H.; Mroczkowski, T.; Reichborn-Kjennerud, B.; Smiley, B.; Sobrin ,I.; Wehus, I.K.; Zmuidzinas J. “ A LEKID-based CMB instrument design for large-scale observations in Greenland” *SPIE* Volume 9153, id. 91530W (arXiv:1407.6249)(2014).

- Jones, G.; McCarrick, H.; Flanigan, D.; Johnson, B.; Miller, A.D.; Day, P.; Mauskopf, P.; Mani, H.; Che, G.; Mroczkowski, T.; Ade, P.; Doyle, S. "Aluminum LEKIDs for Millimeter-wave Radio Astronomy." *IEEE DOI*10.1109/IRMMW-THz.2014.6956436 (2014).
- Chapman, D.; Didier, J.; Hanany, S.; Hillbrand, S.; Limon, M.; Miller, A.D.; Reichborn-Kjennerud, B.; Tucker, G.; Vinokorov, Y. "Stars: A Software application for the EBEX autonomous daytime star cameras." *SPIE Volume* 9152, id. 915212 (arXiv:1410.4892) (2014)
- Abazajian, K.N.; Arnold, K.; Austermann, J.; Benson, B.A.; Bischoff, C.; Bock, J.; Bond, J.R.; Borrill, J.; Buder, I.; Burke, D.L.; Calabrese, E.; Carlstrom, J.E.; Carvalho, C.S.; Chang, C.L.; Chiang, H.C.; Church, S.; Cooray, A.; Crawford, T.M.; Crill, B.P.; Dawson, K.S.; Das, S.; Devlin, M.J.; Dobbs, M.; Dodelson, S.; Doré, O.; Dunkley, J.; Feng, J.L.; Fraisse, A.; Gallicchio, J.; Giddings, S.B.; Green, D.; Halverson, N.W.; Hanany, S.; Hanson, D.; Hildebrandt, S.R.; Hincks, A.; Hlozek, R.; Holder, G.; Holzappel, W.L.; Honscheid, K.; Horowitz, G.; Hu, W.; Hubmayr, J.; Irwin, K.; Jackson, M.; Jones, W.C.; Kallosh, R.; Kamionkowski, M.; Keating, B.; Keisler, R.; Kinney, W.; Knox, L.; Komatsu, E.; Kovac, J.; Kuo, C.-L.; Kusaka, A.; Lawrence, C.; Lee, A.T.; Leitch, E.; Linde, A.; Linder, E.; Lubin, P.; Maldecena, J.; Martinec, E.; McMahon, J.; Miller, A.D. "Inflation Physics from the Cosmic Microwave Background and Large Scale Structure" *ApJ*, (arXiv:1309.5381v4)28pp (2014).
- Abazajian, K.N.; Arnold, K.; Austermann, J.; Benson, B.A.; Bischoff, C.; Bock, J.; Bond, J.R.; Borrill, j.; Calabrese, E.; Carlstrom, J.E.; Carvaho, C.S.; Chang, C.I.; Chiang, H.C.; Church, S.; Cooray, A.; Craeford, T.M.; Dawson, K.S.; Das, S.; Devlin, M.J.; Dobbs, M.; Dodelson, S.; Dore, O.; Dunkley, J.; Errard, J.; Fraisse, A.; Gallicchio, J.; Halverson, N.W.; Hanany, S.; Hidebrandt, S.R.; Hincks, A.; Hlozek, R.; Holder, G.; Holzappel, W.L.; Honscheid, K.; Hu, W.; Hubmayr, J.; Irwin, K.; Jones, W.C.; Kamionkowski, M.; Keating, B.; Keisler, R.; Knox, L.; Komatsu, E.; Kovac, J.; kuo, C.-L.; Lawrence, C.; Lee, A.T.; Leitch, E.; Linder, E.; Lubin, P.; McMahon, J.; Miller, A.D.; Newburgh, L.; Niemack, M.D.; Nguyen, H.; Nguyen, H.T.; Page, L.; Pryke, C.; Reichardt, C.L.; Ruhl, J.E.; Sehgal, N. Sejak, U.; Sievers, J.; Silverstein, E.; Slosar, A.; Smith, K.M. "Neutrino Physics from the Cosmic Microwave Background and Large Scale Structure" " *Apj* (arXiv:1309.5383) 11pp (2014)
- Johnson, B.R.; Ade, P.A.R.; Araujo, D.; Bradford, K. J.; Chapman, D.; Day, P. K.; Didier, J.; Doyle, S.; Eriksen, H.K.; Flanigan, D.; Groppi, C.; Hillbrand, S.; Jones, G.; Limon, M.; Mauskopf, P.; McCarrick, H.; Miller, A.D.; Mroczkowski, T.; Reichborn-Kjennerud, B.; Smiley, B.; Sobrin, J.; Wehus, I.K.; Zmuidzin, J. "The Detector System for the Stratospheric Kinetic Inductance Polarimeter (SKIP)", *Journal of Low Temperature Physics*, Online First. *Journal of Low Temperature Physics*, Volume 176, Issue 5-6, pp. (arXiv:1308.0235) (2014)
- QUIET Collaboration; Bischoff, C.; Brizius, A.; Buder, I.; Chinone, Y.; Cleary, K.; Dumoulin, R. N.; Kusaka, A.; Monsalve, R.; Naess, S.K.; Newburgh, L.B.; Nixon, G.; Reeves, R.; Smith, K. M.; Vanderlinde, K.; Wehus, I.K.; Bogdan, M.; Bustos, R.; Church, S.E.; Davis, R.; Dickinson, C.; Eriksen, H.K.; Gaier, T.; Gundersen, J.O.; Hasegawa, M.; Hazumi, M.; Holler, C.; Huffenberger, K.M.; Imbriale, W.A.; Ishidoshiro, K.; Jones, M.E.; Kangaslahti, P.; Kapner, D.J.; Lawrence, C.R.; Leitch, E. M.; Limon, M.; McMahon, J.J.; Miller, A.D.; Nagai, M.; Nguyen, H.; Pearson, T.J.; Piccirillo, L.; Radford, S.J.E.; Readhead, A.C.S.; Richards, J.L.; Samtleben, D.; Seiffert, M.; Shepherd, M.C.; Staggs, S.T.; Tajima, O.; Thompson, K.L.; Williamson, R.; Winstein, B.; Wollack, E.J.; Zwart, J.T.L. "The QUIET Instrument", *ApJ*, Volume 768, Issue 1, article id. 9, 28 pp. (2013)
- QUIET Collaboration; Araujo, D.; Bischoff, C.; Brizius, A.; Buder, I.; Chinone, Y.; Cleary, K.; Dumoulin, R.N.; Kusaka, A.; Monsalve, R.; Næss, S.K.; Newburgh, L.B.; Reeves, R.; Wehus, I.K.; Zwart, J.T.L.; Bronfman, L.; Bustos, R.; Church, S.E.; Dickinson, C.; Eriksen, H.K.; Gaier, T.; Gundersen, J.O.; Hasegawa, M.; Hazumi, M.; Huffenberger, K.M.; Ishidoshiro, K.; Jones, M.E.; Kangaslahti, P.; Kapner, D.J.; Kubik, D.; Lawrence, C. R.; Limon, M.; McMahon,

- J.J.; Miller, A.D.; Nagai, M.; Nguyen, H.; Nixon, G.; Pearson, T. J.; Piccirillo, L.; Radford, S.J.E.; Readhead, A.C.S.; Richards, J.L.; Samtleben, D.; Seiffert, M.; Shepherd, M. C.; Smith, K.M.; Staggs, S.T.; Tajima, O.; Thompson, K.L.; Vanderlinde, K.; Williamson, R. "Second Season QUIET Observations: Measurements of the Cosmic Microwave Background Polarization Power Spectrum at 95 GHz", *ApJ*, Volume 760, Issue 2, article id. 145, 10 pp. (arXiv:1207.5034) (2012)
- Marrone, D.; Smith, G.P; Okabe, N.; Bonamente, M.; Carlstrom J.E.; Culverhouse, T.L.; Gralla, M.; Greer, C.; Hasler, N.; Hawkins, D.; Hennessy, R.; Joy, M.; Lamb, H.W.; Leitch, E. M.; Martino, R.; Mazzota, P.; Miller, A.D.; Mroczkowski, T.; Muchovej, S.; Plagge, T.; Pryke, C.; Sanderson, A.; Takada, M.; Woody, D.; Zhang, Y. "LoCuSS: The Sunyaev-Zel'dovich Effect and Weak Lensing Mass Scaling Relation", *ApJ*, Volume 754, Issue 2, article id. 119, 13 pp. (arXiv:1107.5115) (2012)
 - Bonamente, M.; Hasler, N.; Bulbul, E.; Carlstrom J.E.; Culverhouse, T.L.; Gralla, M.; Greer, C.; Hawkins, D.; Hennessy, R.; Joy, M.; Kolodziejczak, J.; Lamb, J.; Landry, D.; Leitch, E. M.; Marrone, D.P.; Miller, A.D.; Mroczkowski, T.; Muchovej, S.; Plagge, T.; Pryke, C.; Sharp, M.; Woody D. "Comparison of Pressure Profiles of Massive Relaxed Galaxy Clusters using the Sunyaev-Zel'dovich and X-ray Data", *New Journal of Physics*, Volume 14, Issue 2, pp. 025010. (arXiv:1112.1599) (2012)
 - Bao, C.; Gold, B.; Baccigalupi, C.; Didier, J.; Hanany, S.; Jaffe, A.; Johnson, B.R.; Leach, S.; Matsumura, T.; Miller, A.D.; O'Dea, D. "The Impact of the Spectral Response of an Achromatic Half-wave Plate on the Measurement of the Cosmic Microwave Background Polarization", *The Astrophysical Journal*, Volume 747, Issue 2, article id. 97, 6 pp. (arXiv:1112.3057) (2012)
 - Hasler, N.; Bulbul, E.; Bonamente, M.; Carlstrom, J. E.; Culverhouse, T.L.; Gralla, M.; Hawkins, D.; Hennessy, R.; Joy, M.; Lamb, H.W.; Landry, D.; Leitch, E. M.; Mantz, A.; Marrone, D.P; Miller, A.D.; Mroczkowski, T.; Muchovej, S.; Plagge, T.; Pryke, C.; Woody, D. "Analytic Modeling of the Physical Properties of Galaxy Clusters: Joint Analysis of X-ray and Sunyaev-Zel'dovich Observations, In Preparation, 2011. *Astronomy & Astrophysics*, Volume 533, id.A6. (2011)
 - Bulbul, G.E.; Hasler, N.; Bonamente, M.; Joy, M.; Marrone, D.; Miller, A.D.; Mroczkowski, T. "The effect of helium sedimentation on galaxy cluster masses and scaling relations", *Astronomy & Astrophysics*, (arXiv:1102.5363) Volume 533, id.A6, 9 pp.(2011)
 - QUIET Collaboration; Bischoff, C.; Brizius, A.; Buder, I.; Chinone, Y.; Cleary, K.; Dumoulin, R.N.; Kusaka, A.; Monsalve, R.; Naess, S. K.; Newburgh, L.B.; Reeves, R.; Smith, K. M.; Wehus I.K.; Zuntz J.A.; Zwart J.T.L.; Bronfman, L.; Bustos, R.; Church, S.E.; Dickinson, C.; Eriksen, H. K.; Ferreira P.G.; Gaier, T.; Gundersen, J. O.; Hasegawa, M.; Hazumi, M.; Huffenberger, K.M.; Jones, M.E.; Kangaslahti, P.; Kapner, D. J.; Lawrence, C. R.; Limon, M.; May, J.; McMahon, J.J.; Miller, A.D.; Nguyen, H.; Nixon, G. W.; Pearson, T.J.; Piccirillo, L.; Radford, S. J. E.; Readhead, A.C.S.; Richards, J.L.; Samtleben, D.; Seiffert, M.; Shepherd M. C.; Staggs, S.T.; Tajima, O.; Thompson, K.L.; Vanderlinde, K.; Williamson, R.; Winstein, B. "First Season QUIET Observations: Measurements of CMB Polarization Power Spectra at 43 GHz in the Multipole Range $25 < l < 475$, *ApJ*, 741, 111, (arXiv:1012.3191) (2011)
 - Muchovej, S.; Leitch, E.; Carlstrom, J.E.; Culverhouse, T.; Greer, C.; Hawkins, D.; Hennessy, R.; Joy, M.; Lamb, J.; Loh, M.; Marrone, D.P.; Miller, A.D.; Mroczkowski, T.; Pryke, C.; Sharp, M.; Woody, D. "Cosmological Constraints from a 31 GHz Sky Survey with the Sunyaev-Zel'dovich Array", *ApJ*, 732, 28, (arXiv:1012.1610) (2011)
 - Gralla, M.B.; Sharon K.; Gladders, M.D.; Marrone, D.P.; Barrientos, L.F.; Bayliss, M.; Bonamente, M.; Bulbul, E.; Carlstrom, J.E.; Culverhouse, T.; Gilbank, D.G.; Greer, C.; Hasler, N.; Hawkins, D.; Hennessy, R.; Joy, M.; Koester, B.; Lamb, J.; Leitch, E.; Miller A.D.; Mroczkowski, T.; Muchovej, S.; Oguri, M.; Plagge, T.; Pryke, C.; Woody, D. "Sunyaev Zel'dovich Effect Observations of Strong Lensing Galaxy Clusters: Probing the Over-

Concentration Problem”, *ApJ*, (arXiv:1011.6341) Volume 737, Issue 2, article id. 74 (2011)

- Culverhouse, T.L.; Bonamente, M.; Bulbul, E.; Carlstrom, J.E.; Gralla, M.; Greer, C.; Hasler, N.; Hawkins, D.; Hennessy, R.; Jetha, N.N.; Joy, M.; Lamb, J.; Leitch, E.M.; Marrone, D.P.; Miller, A.D.; Mroczkowski, T.; Muchovej, S.; Pryke, C.; Sharp, M.; Woody, D.; Andreon, S.; Maughan, B.; Stanford S. A. “Galaxy Clusters at $z \geq 1$: Gas Constraints from the Sunyaev-Zel’dovich Array”, *ApJL*, 723, 1:L78-L83,(arXiv:1007.2853. (2010)
- Muchovej, S.; Leitch, E.; Carlstrom, J. E.; Culverhouse, T.; Greer, C.; Hawkins, D.; Hennessy, R.; Joy, M.; Lamb, J.; Loh, M.; Marrone, D. P.; Miller, A.D.; Mroczkowski, T.; Pryke, C.; Sharp, M.; Woody, D. “Radio Sources from a 31 GHz Sky Survey with the Sunyaev-Zel’dovich Array”, *ApJ*, 716, 1:521-529, (arXiv:0912.2335). (2010)
- Sharp, M.; Marrone, D.P.; Carlstrom, J.E.; Culverhouse, T.; Greer, C.; Hawkins, D.; Hennessy, R.; Joy, M.; Lamb, J.; Leitch, E. M.; Loh, M.; Miller, A.D.; Mroczkowski, T.; Muchovej, S.; Pryke, C.; Woody, D. “A Measurement of Arcminute Anisotropy in the Cosmic Microwave Background with the Sunyaev-Zel’dovich Array”, *ApJ*, (arXiv:0901.4342) 713, 1:82-89 (astro-ph/0901.4342).(2010)
- Marrone, D.; Smith, G.P.; Richard, J.; Joy, M.; Bonamente, M.; Hasler, N.; Hamilton-Morris V.; Kneib, J.; Culverhouse, T.; Carlstrom, J.E.; Greer, C.; Hawkins, D.; Hennessy, R.; Lamb, J. W.; Leitch, E.M.; Loh, M.; Miller, A.D.; Mroczkowski, T.; Muchovej, S.; Pryke, C.; Sharp, M. K.; Woody, D. “LoCuSS: A Comparison of Sunyaev-Zel’dovich Effect and Gravitational Lensing Measurements of Galaxy Clusters”, *ApJ*, (arXiv:0907.1687) 701, 2:L114-L118, (astro-ph/0907.1687). (2009)
- Mroczkowski, T.; Bonamente, M.; Carlstrom, J.E.; Culverhouse, T.; Greer, C.; Hawkins, D.; Hennessy, R.; Joy, M.; Lamb, J.; Leitch, E.M.; Loh, M.; Maughan, B.; Marrone, D.P.; Miller, A. D.; Nagai, D.; Muchovej, S.; Pryke, C.; Sharp, M.; Woody, D. “Application of a Self-Similar Pressure Profile to Sunyaev-Zel’dovich Effect Data from Galaxy Clusters”, *ApJ*, (arXiv:0809.5077) 694:1034-1044, (astro-ph/08095077) (2009)
- LoVerde, M.; Miller, A.D.; Shandera, S.; Verde, L. “Effects of Scale-Dependent Non-Gaussianity on Cosmological Structure”, *JCAP*, (arXiv:0711.4126) 0804, 014, (astro-ph/0711.4126v3). (2008)
- Muchovej, S.; Carlstrom, J.; Cartwright, J.; Greer, C.; Hawkins, D.; Hennessy, R.; Joy, M.; Leitch, E.; Loh, M.; Miller, A.D.; Mroczkowski, T.; Pryke, C.; Reddall, B.; Runyan, M.; Sharp, M.; Woody, D. “Observations of High-Redshift X-ray Selected Clusters with the Sunyaev-Zel’dovich Array”, *ApJ*, (arXiv:astro-ph/0610115) 663, 708, (astro-ph/0610115). (2007)
- De Oliveira-Costa, A.; Tegmark, M.; Devlin, M.; Page, L.; Miller, A.D.; Netterfield, B.; Xu, Y. “How accurately can suborbital experiments measure the CMB?”, *Phys. Rev. D*, (arXiv:astro-ph/0406375) 71, (astro-ph/0406375) (2005)
- LaRoque, S.J.; Bonamente, M.; Carlstrom, J.E.; Joy, M.K.; Nagai, D.; Reese, E.D.; Dawson, K.S.; Holzzapfel, W.L.; Joy, M.; Grego, L.; Vrtilek, J.M.; Speybroeck, L.V.; David, L.P.; Forman, W.; Ebeling, H.; Edge, A.C.; Miller, A.D.; Patel S.K.; Mohr, G.P.; Patel, S.; LaRoque, S.; Dawson, K.; Carlstrom, J.; Holder, G.; Cooray, A.R.; David, L.; Mohr, J.; Reese, E.; Vikhlinin, A.; Vrtilek, J.; Zhao, P.; Haiman, Z.; Evrard A.E.; Leitch, E.M.; Gomez Hughes, J.P.; Donahue, M. “ SZA Publications” *ApJ* (2004)
- Nolta, M.R.; Devlin, M. J.; Dorwart, W.B.; Miller, A.D.; Page, L.A.; Puchalla, J.; Torbet, E.; Tran, H.T. “The MAT/TOCO Measurement of the Angular Power Spectrum of the Cosmic Microwave Background at 30 and 40 GHz”, *ApJ*, 598:97-101. DOI:10.1086/378698 (2003)
- LaRoque, S.J.; Joy, M.; Carlstrom, J.E.; Ebeling, H.; Bonamente, M.; Dawson, K.S.; Edge, A.; Holzzapfel, W.L.; Miller, A.D.; Nagai, D.; Patel, S. K.; Reese, E.D. “Sunyaev-Zel’dovich Imaging of MACS Galaxy Clusters at $z > 0.5$ ”, *ApJ*, DOI 10.1086/345500 583:559. (2003)

- Dawson, K.S.; Holzzapfel, W.L.; Carlstrom, J.E.; LaRoque, S.J.; Miller, A.D.; Nagai, D.; Joy, M. "Measurement of Arcminute Scale Anisotropy with the BIMA Array", *ApJ*, 581:86 – 95, (astro-ph/0206012). (2002)
- Puchalla, J.L.; Caldwell, R.; Cruz, K.L.; Devlin, M.J.; Dorwart, W.B.; Herbig, T.; Miller, A.D.; Nolte, M.R.; Page, L.A.; Torbet, E.; Tran, H.T. "Millimeter-Wavelength Galactic Observations with Mobile Anisotropy Telescope" *AJ* 123 1978 (2002)
- Miller, A.D.; Beach, J.; Bradley, S.; Caldwell, R.; Chapman, H.; Devlin, M.; Dorwart, W.B.; Herbig, T.; Jones, D.; Monnelly, G. C.; Netterfield, B.; Nolte, M.; Page, L. A.; Puchalla, J.; Robertson, T.; Torbet, E.; Tran, H.; Vinje, B. "The QMAP and MAT/TOCO Experiments for Measuring Anisotropy in the Cosmic Microwave Background" *ApJS*, 140:115-141, (astro-ph/0108030). (2002)
- Tegmark, Y. Xu, M.; de Oliveira-Costa, A.; Devlin, M. J.; Herbig, T.; Miller, A.D.; Netterfield, C.B.; Page, L. "Comparing and combining the Saskatoon, QMAP and COBE CMB maps", *Phys. Rev. D*, 63, 103002, (astro-ph/0010522). (2001)
- de Oliveira-Costa, A.; Tegmark, M.; Devlin, M. J.; Haffner, L.M.; Herbig, T.; Miller, A.D.; Page, L.A.; Reynolds, R. J.; Tufte, S.L. "Galactic contamination in the QMAP experiment", *ApJ*, 542:L5-L8, (astro-ph/0003090). (2000)
- Torbet, E.; Devlin, M.J.; Dorwart, W.B.; Herbig, T.; Miller A.D.; Nolte, M.R.; Page, L.; Puchalla, J.; Tran, H.T. "TOCO97 Observations with MAT" *APJ* (521:L79-L82) (1999)
- Miller, A.D.; Caldwell, R.M.; Devlin, J.; Dorwart, W.B.; Herbig, T.; Nolte, M.; Page, L.A.; Puchalla, J.; Torbet, E.; Tran, H.T.; "A Measurement of the Angular Power Spectrum of the CMB from l=100 to 400", *ApJ*, 524:L1-4, (astro-ph/9906421). (1999)
- Torbet, E.; Devlin, M.J.; Dorwart, W.B.; Miller, A.D.; Page, L.A.; Tran, H.T. "A Measurement of the Angular Power Spectrum of the Microwave Background Made from the High Chilean Andes." *ApJ*, 521:L79, (astro-ph/9905100).(1999)
- de Oliveira-Costa, A.; Devlin, M.J.; Herbig, T.; Miller, D.A.; Page, L.A.; Tegmark, M. "Mapping the Cosmic Microwave Background Anisotropy: Combined Analysis of QMAP Flights." *ApJ*, 509:L77, (astro-ph/9808045). (1998)
- Herbig, T.; de Oliveira-Costa, A.; Devlin, M.J.; Miller, A.D.; Page, L.A.; Tegmark, M. "Mapping the Cosmic Microwave Background Anisotropy: The Second Flight of the QMAP Experiment." *ApJ*, 509:L73, (astro-ph/9808044). (1998)
- Devlin, M. J.; de Oliveira-Costa, A.; Herbig, T.; Miller, A.D.; Netterfield, C.B.; Page, A.L.; Tegmark, M. "Mapping the Cosmic Microwave Background Anisotropy: The First Flight of the QMAP Experiment." *ApJ*, 509:L69, (astro-ph/9808043). (1998)
- Davis, M.; Miller, A.D.; White S. "A Galaxy-Weighted Measure of the Relative Peculiar Velocity Dispersion." *ApJ*, 490:63-71, (astro-ph/9705224). (1997)

White Papers & Conference Proceedings

- Didier, J.; Aboobaker, A.M; Ade, P.; Aubin, F.; Baccigalupi, C.; Bandura, K.; Bao, C.; Borrill, Julian; Chandra, B.; Chapman, D.; Dobbs, M.; Grain, J.; Grainger, W.; Hanany, S.; Helson, K.; Hillbrand, S.; Hilton, G.; Hubmayr, H.; Irwin, K.; Johnson, B.; Jaffe, A.; Jones, T.; Kisner, T.; Klein, J.; Korotkov, A.i; Lee, A.; Levinson, L.; Limon, M.; MacDermid, K.; Miller, A.D.; Milligan, M.I; Pascale, E.; Puglisi, G.; Raach, K.; Reichborn-Kjennerud, B.; Reintsema, C.; Sagiv, I.; Smecher, G.; Stompor, R.; Tristram, M.; Tucker, G.; Westbrook, B.; Zilic, K. "EBEX, The E and B Experiment"(2014)
- Westbrook, B.; Aboobaker, A.M.; Ade, P.; Aubin, F.; Baccigalupi, C.; Bandura, K.; Bao, C.; Borrill, J.; Chapman, D.; Didier, J.; Dobbs, M.;Gold, B.; Grain, J.; Grainger, W.; Hanany, S.; Helson, K.; Hillbrand, S.N.; Hilton, G.; Hubmayr, H.; Irwin, K.; Johnson, B.; Jaffe, A.; Jones, T. J.; Kisner, T.; Klein, J.; Korotkov, A.; Leach, S.; Lee, A.T.; Levinson, L.; Limon, M.; MacDermid, K.; Miller, A.D.; Milligan, M.; Pascale, E.; Raach, K.;Reichborn-Kjennerud, B.; Sagiv, I.; Smecher, G.; Stompor, R.; Tristram, M.; Tucker, G.S.; Zilic, K. "Design of the

- detectors for EBEX, a balloon-borne cosmic microwave background polarimeter”, American Astronomical Society, AAS Meeting #223, #407.04, (2014)
- Chapman, D.; Aboobaker, A.M.; Ade, P.; Aubin, F.; Baccigalupi, C.; Bandura, K.; Bao, C.; Borrill, J.; Didier, J.; Dobbs, M.; Gold, B.; Grain, J.; Grainger, W.; Hanany, S.; Helson, K.; Hillbrand, S.N.; Hilton, G.; Hubmayr, H.; Irwin, K.; Johnson, B.; Jaffe, A.; Jones, T. J.; Kisner, T.; Klein, J.; Korotkov, A.; Leach, S.; Lee, A. T.; Levinson, L.; Limon, M.; MacDermid, K.; Miller, A.D.; Milligan, M.; Pascale, E.; Raach, K.; Reichborn-Kjennerud, B.; Sagiv, I.; Smecher, G.; Stompor, R.; Tristram, M.; Tucker, G. S.; Westbrook, B.; Zilic, K. “EBEX: A Balloon-Borne CMB Polarization Experiment”, American Astronomical Society, AAS Meeting #223, #407.03 (2014).
 - Eimer, J.; Ali, A.; Amiri, M.; Appel, J. W.; Araujo, D.; Bennett, C. L.; Boone, F.; Chan, M.; Cho, H.; Chuss, D. T.; Colazo, F.; Crowe, E.; Denis, K.; Dünner, R.; Essinger Hileman, T.; Gothe, D.; Halpern, M.; Harrington, K.; Hilton, G.; Hinshaw, G. F.; Huang, C.; Irwin, K.; Jones, G.; Karakla, J.; Kogut, A. J.; Larson, D.; Limon, M.; Lowry, L.; Marriage, T.; Mehrle, N.; Miller, A.D.; Miller, N.; Moseley, S.H.; Novak, G.; Reintsema, C.; Rostem, K.; Stevenson, T.; Towner, D.; UYen, K.; Wagner, E.; Watts, D.; Wollack, E.; Xu, Z.; Zeng, L. “The Cosmology Large Angular Scale Surveyor (CLASS)”, American Astronomical Society, AAS Meeting #223, #407.02 (2014).
 - Marriage, T.; Ali, A.; Amiri, M.; Appel, J.W.; Araujo, D.; Bennett, C.L.; Boone, F.; Chan, M.; Cho, H.; Chuss, D.T.; Colazo, F.; Crowe, E.; Denis, K.; Dünner, R.; Eimer, J.; EssingerHileman, T.; Gothe, D.; Halpern, M.; Harrington, K.; Hilton, G.; Hinshaw, G. F.; Huang, C.; Irwin, K.; Jones, G.; Karakla, J.; Kogut, A. J.; Larson, D.; Limon, M.; Lowry, L.; Mehrle, N.; Miller, A.D.; Miller, N.; Moseley, S.H.; Novak, G.; Reintsema, C.; Rostem, K.; Stevenson, T.; Towner, D.; UYen, K.; Wagner, E.; Watts, D.; Wollack, E.; Xu, Z.; Zeng, L. “The Cosmology Large Angular Scale Surveyor”, American Astronomical Society, AAS Meeting #223, #245.15 (2014).
 - Harrington, K.; Ali, A.; Amiri, M.; Appel, J. W.; Araujo, D.; Bennett, C.L.; Boone, F.; Chan, M.; Cho, H.; Chuss, D.T.; Colazo, F.; Crowe, E.; Denis, K.; Dünner, R.; Eimer, J.; EssingerHileman, T.; Gothe, D.; Halpern, M.; Hilton, G.; Hinshaw, G.F.; Huang, C.; Irwin, K.; Jones, G.; Karakla, J.; Kogut, A.J.; Larson, D.; Limon, M.; Lowry, L.; Marriage, T.; Mehrle, N.; Miller, A.D.; Miller, N.; Mirel, P.; Moseley, S.H.; Novak, G.; Reintsema, C.; Rostem, K.; Stevenson, T.; Towner, D.; UYen, K.; Wagner, E.; Watts, D.; Wollack, E.; Xu, Z.; Zeng, L. “Variable-delay Polarization Modulators for the CLASS Telescope”, American Astronomical Society, AAS Meeting #223, #245.14 (2014).
 - Flanigan, D.; Ade, P.; Araujo, D.; Bradford, K. J.; Chapman, D.; Che, G.; Day, P.; Didier, J.; Doyle, S.; Eriksen, H.; Groppi, C. E.; Hillbrand, S.N.; Johnson, B.; Jones, G.; Limon, M.; Mautschopf, P.; McCarrick, H.; Miller, A. D.; Mroczkowski, T.; Reichborn-Kjennerud, B.; Smiley, B.; Sobrin, J.; Wehus, I. K.; Zmuidzinas, J. “The Stratospheric Kinetic Inductance Polarimeter (SKIP)”, American Astronomical Society, AAS Meeting #223, #127.06 (2014).
 - Arnold, K.; Austermann, J.; Benson, B.A.; Bischoff, C.; Bock, J.; Bond, J.R.; Borrill, J.; Calabrese, E.; Carlstrom, J.E.; Carvalho, C.S.; Chang, C.L.; Chiang, H.C.; Church, S.; Cooray, A.; Crawford, T. M.; Dawson, K.S.; Das, S.; Devlin, M. J.; Dobbs, M.; Dodelson, S.; Dore, O.; Dunkley, J.; Errard, J.; Fraisse, A.; Gallicchio, J.; Halverson, N.W.; Hanany, S.; Hildebrandt, S.R.; Hincks, A.; Hlozek, R.; Holder, G.; Holzzapfel, W.L.; Honscheid, K.; Hu, W.; Hubmayr, J.; Irwin, K.; Jones, W.C.; Kamionkowski, M.; Keating, B.; Keisler, R.; Knox, L.; Komatsu, E.; Kovac, J.; Kuo, C.L.; Lawrence, C.; Lee, A. T.; Leitch, E.; Linder, E.; Lubin, P.; McMahon, J.; Miller, A.D.; Newburgh, L.; Niemack, M.D.; Nguyen, H.; Nguyen, H.T.; Page, L.; Pryke, C.; Reichardt, C.L.; Ruhl, J.E.; Sehgal, N.; Seljak, U.; Sievers, J.; Silverstein, E.; Slosar, A.; Smith, K. M.; Spergel, D.; Staggs, S. T.; Stark, A.; Stompor, R.; Vieregg, A. G.; Wang, G.; Watson, S.; Wollack, E. J.; Wu, W. L. K.; Yoon, K. W.; Zahn, O. “Neutrino Physics from the Cosmic Microwave Background and Large Scale Structure”, *eprint* arXiv:1309.5383 (2013)

- Abazajian, K. N.; Arnold, K.; Austermann, J.; Benson, B. A.; Bischoff, C.; Bock, J.; Bond, J. R.; Borrill, J.; Buder, I.; Burke, D. L.; Calabrese, E.; Carlstrom, J. E.; Carvalho, C. S.; Chang, C. L.; Chiang, H. C.; Church, S.; Cooray, A.; Crawford, T. M.; Crill, B. P.; Dawson, K. S.; Das, S.; De Vlin, M. J.; Dobbs, M.; Dodelson, S.; Doré, O.; Dunkley, J.; Feng, J. L.; Fraisse, A.; Gallicchio, J.; Giddings, S. B.; Green, D.; Halverson, N. W.; Hanany, S.; Hanson, D.; Hildebrandt, S. R.; Hincks, A.; Hlozek, R.; Holder, G.; Holzzapfel, W. L.; Honscheid, K.; Horowitz, G.; Hu, W.; Hubmayr, J.; Irwin, K.; Jackson, M.; Jones, W. C.; Kallosh, R.; Kamionkowski, M.; Keating, B.; Keisler, R.; Kinney, W.; Knox, L.; Komatsu, E.; Kovac, J.; Kuo, C. L.; Kusaka, A.; Lawrence, C.; Lee, A. T.; Leitch, E.; Linde, A.; Linder, E.; Lubin, P.; Maldacena, J.; Martinec, E.; McMahon, J.; Miller, A.; Mukhanov, V.; Newburgh, L.; Niemack, M. D.; Nguyen, H.; Nguyen, H. T.; Page, L.; Pryke, C.; Reichardt, C. L.; Ruhl, J. E.; Sehgal, N.; Seljak, U.; Senatore, L.; Sievers, J.; Silverstein, E.; Slosar, A.; Smith, K. M.; Spergel, D.; Staggs, S. T.; Stark, A.; Stompor, R.; Vieregg, A. G.; Wang, G.; Watson, S.; Wollack, E. J.; Wu, W. L. K.; Yoon, K. W.; Zahn, O.; Zaldarriaga, M. “Inflation Physics from the Cosmic Microwave Background and Large Scale Structure”, *eprint arXiv:1309.5381* (2013).
- Helson, K.; Aboobaker, A. M.; Ade, P.; Aubin, F.; Baccigalupi, C.; Bandura, K.; Bao, C.; Borrill, J.; Chandra, B.; Chapman, D.; Didier, J.; Dobbs, M.; Gold, B.; Grain, J.; Grainger, W.; Hanany, S.; Hillbrand, S. N.; Hilton, G.; Hubmayr, H.; Irwin, K.; Johnson, B.; Jaffe, A.; Jones, T. J.; Kisner, T.; Klein, J.; Korotkov, A.; Leach, S.; Lee, A. T.; Levinson, L.; Limon, M.; MacDermid, K.; Miller, A. D.; Milligan, M.; Pascale, E.; Qiu, C.; Raach, K.; Reichborn-Kjennerud, B.; Reintsema, C.; Sagiv, I.; Smecher, G.; Stompor, R.; Tristram, M.; Tucker, G. S.; Westbrook, B.; Yadav, A. P.; Zaldarriaga, M.; Zilic, K. “The E and B EXperiment EBEX”, American Astronomical Society, *AAS Meeting #222, #119.07* (2013).
- QUIET Collaboration; Bischoff, C.; Brizius, A.; Buder, I.; Chinone, Y.; Cleary, K.; Dumoulin, R. N.; Kusaka, A.; Monsalve, R.; Naess, S. K.; Newburgh, L. B.; Nixon, G.; Reeves, R.; Smith, K. M.; Vanderlinde, K.; Wehus, I. K.; Bogdan, M.; Bustos, R.; Church, S. E.; Davis, R.; Dickinson, C.; Eriksen, H. K.; Gaier, T.; Gundersen, J. O.; Hasegawa, M.; Hazumi, M.; Holler, C.; Hufenberger, K. M.; Imbriale, W. A.; Ishidoshiro, K.; Jones, M. E.; Kangaslahti, P.; Kapner, D. J.; Lawrence, C. R.; Leitch, E. M.; Limon, M.; McMahon, J. J.; Miller, A. D.; Nagai, M.; Nguyen, H.; Pearson, T. J.; Piccirillo, L.; Radford, S. J. E.; Readhead, A. C. S.; Richards, J. L.; Samtleben, D.; Seiffert, M.; Shepherd, M. C.; Staggs, S. T.; Tajima, O.; Thompson, K. L.; Williamson, R.; Winstein, B. “The QUIET Instrument”, *eprint arXiv:1207.5562* (2012).
- Lindley, A.; Landry, D.; Bonamente, M.; Joy, M.; Bulbul, E.; Carlstrom, J. E.; Culverhouse, T. L.; Gralla, M.; Greer, C.; Hawkins, D.; Lamb, J. W.; Leitch, E. M.; Marrone, D. P.; Miller, A.; Mroczkowski, T.; Muchovej, S.; Plagge, T.; Woody, D. “Calculating Cluster Masses via the Sunyaev-Zel’dovich Effect”, American Astronomical Society, *AAS Meeting #220, #507.03* (2012).
- Klein, J.; Aboobaker, A.; Ade, P.; Aubin, F.; Baccigalupi, C.; Bao, C.; Borrill, J.; Chapman, D.; Didier, J.; Dobbs, M.; Gold, B.; Grainger, W.; Hanany, S.; Hubmayr, J.; Hillbrand, S.; Kisner, T.; Korotkov, A.; Leach, S.; Lee, A.; Levinson, L.; Limon, M.; MacDermid, K.; Matsumaru, T.; Miller, A. D.; Milligan, M.; Pascale, E.; Polsgrove, D.; Ponthieu, N.; Raach, K.; Reichborn-Kjennerud, B.; Sagiv, I.; Stompor, R.; Tran, H.; Tristram, M.; Tucker, G. S.; Yadav, A.; Zaldarriaga, M.; Zilic, K. “A Cryogenic Half-wave plate polarimeter using superconducting magnetic bearing” *SPIE 8150* (2011)
- Aubin, F.; Aboobaker, A. M.; Ade, P.; Baccigalupi, C.; Bao, Ch.; Borrill, J.; Cantalupo, C.; Chapman, D.; Didier, J.; Dobbs, M.; Grainger, W.; Hanany, S.; Hubmayr, J.; Hyland, P.; Hillbrand, S.; Jaffe, A.; Johnson, B.; Jones, T.; Kisner, T.; Klein, J.; Korotkov, A.; Leach, S.; Lee, A.; Limon, M.; MacDermid, K.; Matsumura, T.; Meng, X.; Miller, A. D.; Milligan, M.; Polsgrove, D.; Ponthieu, N.; Raach, K.; Reichborn-Kjennerud, B.; Sagiv, I.; Smecher, G.; Tran, H.; Tucker, G. S.; Vinokurov, Y.; Yadav, A.; Zaldarriaga, M.; Zilic, K. “First implementation of TES bolometer arrays with SQUID-based multiplexed readout on a balloon-borne platform”, *Millimeter, Submillimeter, and Far-Infrared Detectors and*

- Instrumentation for Astronomy V. Edited by Holland, Wayne S.; Zmuidzinas, Jonas. Proceedings of the *SPIE*, Volume 7741, article id. 77411T, 10 pp. (2010)
- Reichborn-Kjennerud, B.; Aboobaker, A.M.; Ade, P.; Aubin, F.; Baccigalupi, C.; Bao, C.; Borrill, J.; C., Christopher;C., D.; Didier, J.; Dobbs, M.; Grain, J.; Grainger, W.; Hanany, S.; Hillbrand, S.; Hubmayr, J.; Jaffe, A.; Johnson, B.; Jones, T.; Kisner, T.; Klein, J.; Korotkov, A.; Leach, S.; Lee, A.; Levinson, L.; Limon, M.; MacDermid, K.; Matsumura, T.; Meng, X.; Miller, A.D.; Milligan, M.; Pascale, E.; Polsgrove, D.; Ponthieu, N.; Raach, K.; Sagiv, I.; Smecher, G.; Stivoli, F.; Stompor, R.; Tran, H.; Tristram, M.; Tucker, G.S.; Vinokurov, Y.;Yadav, A.; Zaldarriaga, M.; Zilic, K.. “EBEX: a balloon-borne CMB polarization experiment”, Millimeter, Submillimeter, and Far-Infrared Detectors and Instrumentation for Astronomy V. Edited by Holland, Wayne S.; Zmuidzinas, Jonas. Proceedings of the *SPIE*, Volume 7741, article id. 77411C, 12 pp. (2010).
 - Milligan, M.; Ade, P.; Aubin, F.; Baccigalupi, C.; Bao, C.; Borrill, J.; Cantalupo, C.; Chapman, D.; Didier, J.;Dobbs, M.; Grainger, W.; Hanany, S.; Hillbrand, S.; Hubmayr, J.; Hyland, P.; Jaffe, A.; Johnson, B.; Kisner, T.;Klein, J.; Korotkov, A.; Leach, S.; Lee, A.; Levinson, L.; Limon, M.; MacDermid, K.; Matsumura, T.; Miller, A.D.;Pascale, E.; Polsgrove, D.; Ponthieu, Ni.; Raach, K.; Reichborn-Kjennerud, B.; Sagiv, I.; Tran, H.; Tucker, G. S.; Vinokurov, Y.; Yadav, A.; Zaldarriaga, M.; Zilic, K. “Software systems for operation, control, and monitoring of the EBEX instrument”, Software and Cyberinfrastructure for Astronomy. Edited by Radziwill, Nicole M.; Bridger, Alan. Proceedings of the *SPIE*, Volume 7740, article id. 774007,11 pp. (2010).
 - Bulbul, G.E.; Hasler, N.; Bonamente, M.; Carlstrom, J.; Joy, M.; Marrone, D.; Miller, A.D.; Mroczkowski, T.; Nagai, D. “The Effect of Helium Sedimentation on Chandra X-ray Observations of Galaxy Clusters Abell 1835 and Abell 2204”, American Astronomical Society, HEAD meeting #11, #34.16; Bulletin of the American Astronomical Society, *AAS* Vol. 41, p.713 (2010).
 - Amblard et al. “A Program of Technology Development and of Sub-Orbital Observations of the Cosmic Microwave Background Polarization Leading to and Including a Satellite Mission”, Project Paper submitted to the US *Astro2010* Decadal Survey, (2009).
 - Culverhouse, T.; Andreon, S.; Bulbul, E.; Bonamente, M.; Joy, M.; Carlstrom, J.; Hasler, N.; Hawkins, D.; Hennessy, R.; Lamb, J.; Leitch, E.; Marrone, D.; Maughan, B.; Miller, A.D.; Mroczkowski, T.; Muchovej, S.; Pryke, C.; Sharp, M.; Stanford, A.; Woody, D. “Chandra and SZA Observations of Clusters of Galaxies at $z > 1$ ” *Chandra's First Decade of Discovery*, Proceedings of the conference held 22-25. Antonella Fruscione, and Douglas Swartz, abstract #25 (2009)
 - Miville-Deschenes, M. A.; Meyer, S.; Miller, A.D.; Naess, S.K.; Page, L.; Peiris, H.V.; Phillips, N.; Pierpaoli, E.; Rocha, G.; Vaillancourt, J.E.; Verde, L. “CMBPol Mission Concept Study: Prospects for polarized foreground removal”, *AP astro-ph/08113915*, (2008).
 - Meyer, S.S.; Bock, J.; Borrill, J.; Cooray, A.; Dodelson, S.; Dunkley, J.; Gorski, K.; Hanany, S.; Hinshaw, G.; Irwin, K.; Keating, B.; Kogut, A.; Lawrence, C.; Lee, A.; Miller, A.D.; Page, L.; Ruhl, J.; Seiffert, M.; Shimon, M.; Zaldarriaga, M. “The CMB as a Probe of Inflation; A Report by the CMBPol Strategic Mission Concept Study”, White Paper submitted to NASA, April 24th, (2009).
 - Aguirre, J.; et al., Full list of 177 author available at <http://cmbpol.uchicago.edu> , “Observing the Evolution of the Universe”, Science White Paper submitted to the US *Astro2010* Decadal Survey. (arXiv:0903.0902) (astro-ph/0903.0902).(2009).
 - Golwala, S.; Aguirre, J.; Basu, K.; Benson, B.; Bertoldi, F.; Burns, J.; Church, S.; Devlin, M.; Dobbs, M.; Fowler, J.; Hallman, E.; Holzzapfel, W.; Kravtsov, A.; Lee, A.; Marrone, D.; Mason, B.; Miller, A.D.; Myers, S.; Nagai, D.; Nord, M.; Page, L.; Pfrommer, C.; Pierpaoli, D.; Ruhl, J.; Wilson, G. “Understanding the State of the Intracluster Medium in Galaxy Clusters”, *Astro2010: The Astronomy and Astrophysics Decadal Survey*, Science White Papers, 97, (2009).

- Golwala, S.; Aguirre, J.; Basu, K.; Benson, B.; Bertoldi, F.; Burns, J.; Church, S.; Devlin, M.; Dobbs, M.; Fowler, J.; Hallman, E.; Holzzapfel, W.; Kravtsov, A.; Lee, A.; Marrone, D.; Mason, B.; Miller, A.D.; Myers, S.; Nagai, D.; Nord, M.; Page, L.; Pfrommer, C.; Pierpaoli, E.; Ruhl, J.; Wilson, G. “Calibrating Galaxy Clusters as a Tool for Cosmology via Studies of the Intracluster Medium”, *Astro2010: The Astronomy and Astrophysics Decadal Survey*, Science White Papers, 96, (2009) (astro-ph/0902.3796).
- Dodelson, S.; et al. (Full list of authors available at <http://cmbpol.uchicago.edu>.) “The Origin of the Universe as Revealed Through the Polarization of the Cosmic Microwave Background”, *Astro2010: The Astronomy and Astrophysics Decadal Survey*, Science White Papers, 67, (2009).
- Dunkley, J.; Amblard, A.; Baccigalupi, C.; Betoule, M.; Chuss, D.; Cooray, A.; Delabrouille, J.; Dickinson, C.; Dobler, G.; Dotson, J.; Eriksen, H.K.; Finkbeiner, D.; Fixsen, D.; Fosalba, P.; Fraisse, A.; Hirata, C.; Kogut, A.; Kristiansen, J.; Lawrence, C.; Magalhaes, A.; Miville-Deschenes, M.; Meyer, S.; Miller, A.D.; Naess, S.; Page, L.; Peiris, H.; Phillips, N.; Pierpaoli, E.; Rocha, G.; Vaillancourt, J.; Verde, L.; “CMBPol Mission Concept Study: Prospects for polarization foreground removal”, *AIP Conf.Proc*(astro-ph/0811.3915). (2008).
- Aubin, F.; Aboobaker, A.; Ade, P.; Baccigalupi, P.C.; Bao, C.; Borrill, J.; Cantalupo, C.; Chapman, D.; Dider, J.; Dobbs, M.; Grainger, W.; Hanany, S.; Hubmayr, J.; Hyland, P.; Hillbrand, S.; Jaffe, A.; Johnson, B.; Jones, T.; Kisner, T.; Klein, J.; Korotkov, A.; Leach, S.; Lee, A.; Limon, M.; MacDermid, K.; Matsumura, T.; Meng, X.; Miller, A. D.; Smecher, G.; Milligan, M.; Polsgrove, D.; Ponthieu, N.; Raach, K.; Reichborn-Kjennerud, B.; Sagiv, I.; G., Tran, H.; Tucker, G.; Vinokorov, Y.; Yadav, A.; Zaldarriaga, M.; Zilic, K. “First implementation of TES bolometer arrays with SQUID-based multiplexed readout on a balloon-borne platform”, *Millimeter, Submillimeter, and Far-Infrared Detectors and Instrumentation for Astronomy V*, Proceedings of the *SPIE*, Ed. W. S. Holland, J. Zmuidzinas, 7741:77411T-77411T-10, (2010).
- Reichborn-Kjennerud, B.; Aboobaker, A.; Ade, P.; Aubin, F.; Baccigalupi, C.; Bao, C.; Borrill, J.; Cantalupo, C.; Chapman, D.; Dider, J.; Dobbs, M.; Grainger, W.; Hanany, S.; Hubmayr, J.; Hyland, P.; Hillbrand, S.; Jaffe, A.; Johnson, B.; Jones, T.; Kisner, T.; Klein, J.; Korotkov, A.; Leach, S.; Lee, A.; Limon, M.; MacDermid, K.; Matsumura, T.; Meng, X.; Miller A.D.; Milligan M.; Polsgrove, D.; Ponthieu, N.; Raach, K.; Sagiv, I.; Smecher, G.; Tran, H.; Tucker, G.; Vinokorov Y.; Yadav, A.; Zaldarriaga, M.; Zilic, K. “EBEX: a balloon-borne CMB polarization experiment”, *Millimeter, Submillimeter, and Far-Infrared Detectors and Instrumentation for Astronomy V*, Proceedings of the *SPIE*, Ed. W. S. Holland, J. Zmuidzinas, 77411C-77411C-12, (arXiv:1007.3672). (2010).
- Milligan, M.; Aboobaker, A.; Ade, P.; Aubin, F.; Baccigalupi, C.; Bao, C.; Borrill, J.; Cantalupo, C.; Chapman, D.; Dider, J.; Dobbs, M.; W. Grainger, S. Hanany, J. Hubmayr, P. Hyland, S. Hillbrand, A. Jaffe, B. Johnson, T. Jones, T. Kisner, J. Klein, A. Korotkov, S. Leach, A. Lee, M. Limon, K. MacDermid, Matsumura, T.; Meng, X.; Miller A.D.; Polsgrove, D.; Ponthieu, N.; Raach, K.; Reichborn-Kjennerud, B.; Sagiv, I.; Smecher, G.; Tran, H.; , Tucker, G.; Vinokorov, Y.; Yadav, A.; Zaldarriaga, M.; Zilic, K. “Software systems for operation, control, and monitoring of the EBEX instrument”, *Software and Cyberinfrastructure for Astronomy*, Proceedings of the *SPIE*, Ed. N. Radziwill, M. Nicole, A. Bridger, 774007-774007-11, (arXiv:1006.5256). (2010).
- Sagiv, I.; Ade, P.; Aubin, F.; Baccigalupi, C.; Bao, C.; Borrill, J.; Cantalupo, C.; Chapman D.; Dider, J.; Dobbs, M.; Grainger, W.; Hanany, S.; Hubmayr, J.; Hyland, P.; Hillbrand, S.; Jaffe, A.; Johnson, B.; Jones, T.; Kisner, T.; Klein, J.; Korotkov, A.; Leach, S.; Lee, A.; Limon, M.; MacDermid, K.; Matsumura, T.; Meng, X.; Miller, A.D.; Milligan, M.; Polsgrove, D.; Ponthieu, M.; Raach, K.; Reichborn-Kjennerud, B.; Smecher, G.; Tran H.; Tucker, G.; Vinokorov, Y.; Yadav, A.; Zaldarriaga, M.; Zilic, K. “The EBEX Cryostat and Supporting Electronics”, Proceedings of the *Twelfth Marcel Grossmann Meeting on General*

- Relativity, Ed, T. Damour, R.T. Jantzen, and R. Ruffini, World Scientific, Singapore, (2010arXiv1005.3339). (2010).
- Newburgh, L. QUIET Collaboration, “QUIET: The Q/U Imaging Experiment”, American Astronomical Society, *AAS Meeting* #215, #362.02; Bulletin of the American Astronomical Society, 42:549, (2010).
 - Newburgh, L. QUIET Collaboration, “Measuring CMB Polarization with QUIET: The Q/U Imaging Experiment”, Proceedings of the *Twelfth Marcel Grossmann Meeting on General Relativity*, Damour, Ed.; T.; Jantzen, R. T., and Ruffini, R.; World Scientific, Singapore, DOI 10.1142/9789814374552_0427 (2010).
 - Hasler, N.; Bulbul, E.; Bonamente, M.; Joy, M.; Carlstrom, J. E.; Culverhouse, T.; Hawkins, D.; Hennessy, R.; Lamb, J.; Leitch, E.; Marrone, D.; Miller A.D.; Mroczkowski, T.; Muchovej, S.; Pryke, C.; Sharp, M.; Woody, D. “Cosmology Independent Measurement of the Gas Mass Fraction Using Chandra X-ray and Sunyaev-Zel’dovich Effect Measurements of High Redshift Clusters”, Chandra’s First Decade of Discovery, Proceedings of the conference held 22-25 September, 2009 in Boston, MA. Ed. S. Wolk, A. Fruscione, D. Swartz, abstract #26, (09/2009).
 - Sagiv, I.; Ade, P.; Aubin, F.; Baccigalupi, C.; Borrill, J.; Chapman, D.; Didier, J.; Dobbs, M.; Grainger, W.; Hanany, S.; Hillbrand, S.; Hogin-Chin, C.; Hubmayr, J.; Johnson, B.; Jaffe, A.; Jones, T.; Klein, J.; Korotkov, A.; Leach, S.; Lee A.; Levinson, L.; Limon, M.; Macaluso, J.; MacDermid, K.; Matsumura, T.; Meng, X.; Miller, A.D.; Milligan, M.; Pascale, E.; Polsgrove, D.; Ponthieu, N.; Reichborn-Kjennerud, B.; Renbarger, T.; Stivoli, F.; Stompor, R.; Tran, H.; Tucker, G.; Vinokurov, J.; Zaldarriaga, M.; Zilic, K. “The E and B Experiment (EBEX); Progress and Status”, American Astronomical Society Meeting, *AAS Meeting* 213, #357.08; Bulletin of the American Astronomical Society, 41:500, (2009).
 - Grainger, W.; Aboobaker, A.; Ade, P.; Aubin, F.; Baccigalupi, C.; Bissonnette, E.; Borrill, J.; Dobbs, M.; Hanany, S.; Hogin-Chin, C.; Hubmayr, J.; Johnson, B.; Jaffe, A.; Jones, T.; Klein, J.; Korotkov, A.; Leach, S.; Lee, A.; Levinson, L.; Limon, M.; Macaluso, J.; MacDermid, K.; Matsumura, T.; Meng, X.; Miller, A.D.; Milligan, M.; Pascale, E.; Polsgrove, D.; Ponthieu, N.; Reichborn-Kjennerud, B.; Renbarger, T.; Sagiv, I.; Stivoli, F.; Stompor, R.; Tran, H.; Tucker, G.; Vinokurov, J.; Zaldarriaga, M.; Zilic, K. “EBEX: the E and B Experiment”, Millimeter and Submillimeter Detectors and Instrumentation for Astronomy IV, Proceedings of the *SPIE*, Ed. W. Duncan, W.S. Holland, S. Withington, J. Zmuidzinas, 7020:70202N-70202N-9, (2008).
 - Muchovej, S.; Miller, A.D.; Mroczkowski, T.; Carlstrom, J.; Greer, C.; Hennessy, R.; Loh, M.; Marrone, D.; Pryke, C.; Sharp, M.; Leitch, E.; Joy, M.; Hawkins, D.; Lamb, J.; Woody, D.; Bonamente, M. “The Sunyaev-Zel’dovich Array Cluster Survey”, American Astronomical Society Meeting, *AAS meeting* 211, #143.04; Bulletin of the American Astronomical Society, 39:996, (2007).
 - Sharp, M.; Loh, M.; Carlstrom, J.; Pryke, C.; Hennessy, R.; Marrone, D.; Woody, D.; Lamb, J.; Hawkins, D.; Leitch, E.; Joy, M.; Bonamente, M.; Miller, A. D.; Muchovej, S.; and Mroczkowski, T. “Secondary CMB Anisotropy Measurements with the SZA”, American Astronomical Society Meeting, *AAS Meeting* 211, #110.03; Bulletin of the American Astronomical Society, Vol. 39. p. 939, (2007).
 - Mroczkowski, T.; Nagai, D.; Miller, A. D.; Bonamente, M.; Carlstrom, J.; Greer, C.; Hawkins, D.; Hennessy, R.; Joy, M.; Lamb, J.; Leitch, E.; Loh, M.; Marrone, D.; Muchovej, S.; Pryke, C.; Sharp, M.; and Woody, D. “An Improved Model for Fitting SZE + X-ray Observations of Galaxy Clusters”, American Astronomical Society Meeting, *AAS Meeting* 211, #67.03; Bulletin of the American Astronomical Society, Vol. 39, p. 857, (2007).
 - Muchovej, S.; Carlstrom, J.E.; Cartwright, J.K.; Greer, C.; Hawkins, D.; Hennessy, R.; Joy, M.; Lamb, J.; Leitch, E.; Loh, D.; Marrone, M.; Miller, A.D.; Mroczkowski, T.; Pryke, C.; Runyan, M.; Sharp, M.; Woody, D. “Latest Results from the Sunyaev-Zel’dovich Array”,

- American Astronomical Society Meeting, *AAS Meeting* 210, #34.09; Bulletin of the American Astronomical Society, (2007).
- Sharp, M.; Carlstrom, J.; Cartwright, J.; Greer, C.; Hawkins, D.; Hennessy, R.; Joy, M.; Lamb, J.; Leitch, E.; Loh, M.; Marrone, D.; Miller, A. D.; Mroczkowski, T.; Muchovej, S.; Pryke, C.; Reddall, B.; Runyan, M.; Woody, D. "CMB Anisotropies with the SZA", American Astronomical Society Meeting, *AAS Meeting* 209, #49.02; Bulletin of the American Astronomical Society, 38:962, (2007).
 - Muchovej, S.; Carlstrom, J.; Cartwright, J.; Greer, C.; Hawkins, D.; Hennessy, R.; Joy, M.; Lamb, J.; Leitch, E.; Loh, M.; Miller, A.D.; Mroczkowski, T.; Pryke, C.; Reddall, B.; Richardson, G.; Runyan, M.; Sharp, M.; Woody, D. "First Results from the Sunyaev-Zel'dovich Array", American Astronomical Society Meeting, *AAS Meeting* 207, #41.02; Bulletin of the American Astronomical Society, 37:1226, (2005).
 - Loh, M.; Carlstrom, J.; Cartwright, J.; Greer, C.; Hawkins, D.; Hennessy, R.; Joy, M.; Lamb, J.; Leitch, E.; Miller, A.D.; Mroczkowski, T.; Muchovej, S.; Pryke, C.; Reddall, B.; Richardson, G.; Runyan, M.; Sharp, M.; Woody, D. "The Sunyaev-Zel'dovich Array", American Astronomical Society Meeting *AAS Meeting* 207, #41.01; Bulletin of the American Astronomical Society, 37:1225, (2005).
 - Kangaslahti, P.; Gaier, T.; Seiffert, M.; Weinreb, S.; Harding, D.; Dawson, D.; Soria, M.; Lawrence, C.; Hooberman, B.; Miller A.D. "Planar Polarimetry Receivers for Large Imaging Arrays at Q-band", The *IEEE MTT-S International Microwave Symposium*, E-ISBN: 0-7803-7542-5 (2006).
 - Oxley, P.; Ade, P.; Baccigalupi, C.; deBernardis, P.; Cho, H.-M.; Devlin, M.J.; Hanany, S.; Johnson, B.R.; Jones, T.; Lee, A.T.; Matsumura, T.; Miller, A.D.; Milligan, M.; Renbarger, T.; Spieler, H. G.; Stompor, R.; Tucker, G.S.; Zaldarriaga, M. "The E The EBEX Experiment", Proc. *SPIE Int. Soc. Opt. Eng.* 5543:320-331, (2004).
 - Miller, A.D. "The CMB - Contemporary Measurements and Cosmology", *Proceedings of the Ninth Marcel Grossmann Meeting on General Relativity*, Ed. V.G. Gurzadyan, R.T. Jantzen and R. Ruffini, World Scientific, Singapore, (astro-ph/0112052).(2001)
 - Puchalla, J.L.; Cadwell, R.; Cruz, K.L.; Devlin M.J.; Dorwart, W.B.; Herbig, T.; Miller, A.D.; Nolta, M.R.; Page, L.A.; Torbet, E.; Tran, H.T." Galactic Observations at 31, 42 and 144~GHz with the Mobile Anisotropy Telescope" ARXIV arXiv preprint astro-ph/0005420(2000)
 - Miller, A.D. "Results from the Mobile Anisotropy Telescope (MAT) Experiment", *IX Marcel Grossman Meeting*, Universita di Roma La Sapienza, Rome, Italy, World Scientific, Singapore, (2000).
 - Miller, A.D.; Caldwell, R.; Devlin, M. J.; Dorwart, W.B.; Herbig, T.; Nolta, M.; Page, L.A.; Puchalla, J.; Tobet, E.; Tran H.T. "Results from MAT: Localizing a Peak in the CMB Angular Spectrum to $l \approx 200$ ", Energy Densities in the Universe, 35th Rencontres de Moriond, Les Arcs, Savoie, France, (2000).
 - Miller, A.D.; " Results From MAT" (2000)
 - Cruz, K.L.; Caldwell, R.; Devlin, M.J.; Dorwart, W.B.; Herbig, T.; Miller, A.D.; Nolta, M.R.; Page L.A.; Puchalla, J.L.; Torbet, E.; Tran, H.T. "Millimeter Wavelength Observations of Galactic Sources with the Mobile Anisotropy Telescope (MAT)" *AAS Meeting* #53.12 (1999)
 - Miller, A.D.; Caldwell, R.; Devlin, M.J.; Dorwart, W.B.; Herbig, T.; Nolta, M.; Page L.A.; Puchalla, J.; Tobet, E.; Tran, H.T. "A Measurement of the Angular Power Spectrum of the CMB from $l=100$ to 400." American Astronomical Society Meeting, *AAS Meeting* 195, #55.08, Vol. 32(1999).
 - Miller, A.D.; Dorwart, R.; Herbig, T.; Page, L.; Torbet, E.; Tran, H.; Devlin, M. ; Puchalla, J. "The MAT Experiment - Observing the CMB from the Chilean Andes" *AAS meeting* 191, #127.03(1998)

- Torbet, E.; Dorwart, W.B.; Herbig, T.; Miller, A.D.; Nolta, M.R.; Page, L.A.; Tran, H.T.; Caldwell, R.; Devlin, M.; Puchalla, J. "A New Measurement of CMB Anisotropy" 193rd *AAS Meeting*, Vol.30 #109.04(1998)