David C. Moore

Wright Laboratory
Department of Physics
Yale University
New Haven, CT 06511

Phone: (203) 432-7986
Email: david.c.moore@yale.edu

Education

Ph.D., Physics, California Institute of Technology, 2012
Dissertation title: "*A search for low-mass dark matter with the Cryogenic Dark Matter Search and the development of highly-multiplexed phonon-mediated particle detectors*"
Adviser: Prof. Sunil Golwala

B.S., Physics, Mathematics, Yale University, 2006
magna cum laude, with distinction in both majors

Academic Appointments

2016-present: Assistant Professor of Physics, Yale University
2012-2016: Postdoctoral Scholar, Stanford University

Research positions

2019-present: Subsystem Scientist for nEXO Photon Detector
2017-present: Elected member of nEXO Executive Council
2016-present: EXO-200/nEXO collaboration board member
2015-2017: EXO-200 analysis coordinator
2006-2012: Graduate research assistant, California Institute of Technology
2005-2006: Undergraduate researcher, Yale University
2004: Summer research internship, Fermilab
2003: Summer researcher, Universidad de Chile and Yale University

Teaching

Phys 524: *Introduction to Nuclear Physics*, Yale, Fall 2020
Phys 430: *Electromagnetic Fields & Optics*, Yale, Spring 2020
Phys 165L: *General Physics Laboratory*, Yale, Fall 2019
Phys 430: *Electromagnetic Fields & Optics*, Yale, Spring 2019
Phys 469/Phys 471: *Independent Projects in Physics*, Yale, Fall 2018
Phys 472: *Independent Projects in Physics*, Yale, Spring 2017
Phys 205L/Phys 206L: *Modern Physical Measurement I&II*, Yale, Fall 2016
Graduate teaching assistant, Physics 3: *Freshman physics laboratory*, Caltech, 2006–2007

Honors and awards

Alfred P. Sloan Research Fellowship in Physics, 2018
NSF Early Career Award, 2017
Lee Grodzins Postdoctoral Award, MIT, 2015
Mitsuyoshi Tanaka Dissertation Award in Experimental Particle Physics, APS, 2013
John Stager Stemple Memorial Prize in Physics, Caltech, 2009
NSF Graduate Research Fellowship Program, Honorable Mention, 2006
Howard L. Schultz Prize in Physics, Yale, 2006
Anthony D. Stanley Prize in Mathematics, Yale, 2006
De Forest Senior Prize in Mathematics, Yale, 2006
National Merit Scholarship, 2002

Outreach

Designed and taught week long summer enrichment program on the "Physics of Light" through the Yale Pathways Summer Scholar program, Summer 2018-present

Led two demo sessions for "Pathways to Science at Wright Lab: Discover the invisible universe", May 2018

Volunteer for Yale Physics Olympics, October 2016

High school mentor, Caltech Classroom Connection, provided outreach activities in high school physics classes in the Pasadena Unified School District, 2007–2011

Professional service and memberships

Conference organization: Co-organizer of "Quantum Optomechanical Architectures for Dark Matter Detection" workshop (2019); Program committee member for "Optical Trapping and Optical Micromanipulation XVI", San Diego, 2019; LOC member for "Symmetries and Order", Yale, 2018; LOC member for National Nuclear Physics Summer School, Yale, 2018; Co-organizer of "Tabletop experiments" workshop, MIT, 2017; Co-convener for "Exploring the unknown" session at Coordination Panel for Advanced Detector R&D (CPAD) workshop, 2016

Committee membership: Graduate Instrumentation Research Award (GIRA) selection committee, 2020; APS Deborah Jin Award Selection Committee member, 2019-2020

Journal referee: Phys. Rev. A, Phys. Rev. C, Phys. Rev. D, Eur. J. Phys. C, NIM A, Opt. Comm., and IEEE Trans. Appl. Supercond.

Proposal review: for DOE and NSF, NSF panelist (2018)

Member of the American Physical Society

Selected publications

1. D.C. Moore and A.A. Geraci, "Searching for new physics using optically levitated sensors," Quantum Sci. Technol. 6 014008 (2021) arXiv:2008.13197.
2. F. Monteiro et al., "Search for composite dark matter with optically levitated sensors," Phys. Rev. Lett. 125, 181102 (2020) arXiv:2007.12067.
3. F. Monteiro et al., "Force and acceleration sensing with optically levitated nanogram masses at microkelvin temperatures," Phys. Rev. A 101, 053835 (2020), arXiv:2001.10931 (*PRA Editor's suggestion*).

4. G. Anton et al., "Search for Neutrinoless Double-Beta Decay with the Complete EXO-200 Dataset," Phys. Rev. Lett. 123, 161802 (2019) arXiv:1906.02723. (*PRL Editor's suggestion*)
5. F. Monteiro, S. Ghosh, E.C. van Assendelft, and D.C. Moore, "Optical Rotation of Levitated Spheres in High Vacuum," Phys. Rev. A 97, 051802(R) (2018), arXiv:1803.04297 (*PRA Editor's suggestion*).
6. J.B Albert et al., "Sensitivity and Discovery Potential of nEXO to Neutrinoless Double Beta Decay," Phys. Rev. C 97, 065503 (2018), arXiv:1710.05075.
7. D.C. Moore, A.D. Rider, and G. Gratta, "Search for Millicharged Particles Using Optically Levitated Microspheres," Phys. Rev. Lett., 113, 251801 (2014), arXiv:1408.4396 (*Featured in APS Physics "Synopsis"*).
8. J.B. Albert et al., "Search for Majorana neutrinos with the first two years of EXO-200 data," Nature 510, 229 (2014), arXiv:1402.6956.
9. Z. Ahmed et al., "Results from a Low-Energy Analysis of CDMS II Germanium Data," Phys. Rev. Lett. 106, 131302 (2011), arXiv:1011.2482 (*PRL Editor's suggestion*).
10. Z. Ahmed et al., "Dark matter search results from the CDMS II experiment," Science 327, 1619 (2010), arXiv:0912.3592.

Conference presentations

1. *Snowmass Mini Workshop: $0\nu\beta\beta$ Experiment (online), August 5, 2020
2. *Group on Precision Measurement & Fundamental Constants Workshop, APS DAMOP (online), June 1, 2020
3. *Quantum Information Science for Fundamental Physics, Aspen Center for Physics, Aspen, CO, February 21, 2020
4. *Photonics Asia, West-Lake Photonics Symposium, Hangzhou, China, October 20, 2019
5. *ITAMP Laboratory Cosmology Workshop, Harvard CfA, Cambridge, MA, September 17, 2019
6. *Levitated Optomechanics (699th WE-Heraeus-Seminar), Bad Honnef, Germany, August 1, 2019
7. *Indirect Searches for New Physics across the Scales, Mainz Institute for Theoretical Physics (MITP), Mainz, Germany, June 18, 2019
8. *First Arizona Workshop on Precision Searches for Fundamental Physics (AZPP2019), Tempe, AZ, February 4, 2019
9. New Technologies for Discovery IV: The CPAD Instrumentation Frontier Workshop, Providence, RI, December 12, 2018
10. *Quantum Engineering of Levitated Systems, Benasque, Spain, September 17, 2018
11. *Optical Trapping and Optical Micromanipulation XV, San Diego, CA, August 20, 2018
12. *High Energy Physics at the Sensitivity Frontier, Kavli Institute for Theoretical Physics, Santa Barbara, CA, April 3, 2018
13. *Beyond the Standard Model in Tabletop Experiments, Weizmann Institute, Rehovot, Israel, November 15, 2017
14. *APS Division of Nuclear Physics, Pittsburgh, PA, October 28, 2017
15. *International Workshop on Baryon & Lepton Number Violation, Case Western Reserve University, Cleveland, OH, May 15, 2017
16. *52nd Rencontres de Moriond, Electroweak Interactions And Unified Theories, La Thuile, Italy, March 23, 2017
17. *Sub-eV Dark Matter Workshop, LBNL, Berkeley, CA, December 9, 2016
18. *Workshop on Statistical Issues in Experimental Neutrino Physics, Fermilab, Batavia, IL, September 20, 2016

19. *Dark Energy in the Laboratory, Royal Society at Chicheley Hall, Buckinghamshire, UK, April, 22, 2016
20. 28th Texas Symposium on Relativistic Astrophysics, Geneva, Switzerland, December 14, 2015
21. *Workshop on Dark Matter Direct Detection, LBNL, Berkeley, CA, June 9, 2015
22. 20th Particles and Nuclei International Conference, Hamburg, Germany, August 23, 2014
23. 24th Workshop on Weak Interactions and Neutrinos, Natal, Brazil, September 19, 2013
24. *Tanaka Dissertation Prize Lecture, APS DPF 2013, Santa Cruz, CA, August 27, 2013
25. Low Temperature Detectors 14, Heidelberg, Germany, August 4, 2011
26. 4th Workshop on the Physics and Applications of Superconducting Microresonators, Grenoble, France, July 29, 2011
27. APS April Meeting, Anaheim, CA, May 2, 2011
28. Aspen Winter Conference on Indirect and Direct Detection of Dark Matter, Aspen, CO, February 10, 2011
29. *Physics of the Universe Summit 2011, Hawthorne, CA, January 8, 2011
30. APS April Meeting, Washington, DC, February 13, 2010
31. 3rd Workshop on the Physics and Applications of Superconducting Microresonators, Santa Barbara, CA, January 22, 2010
32. Low Temperature Detectors 13 (poster), Stanford, CA, July 23, 2009
33. 24th International Symposium on Lattice Field Theory (poster), Tucson, AZ, July 25, 2006

*Invited

Colloquia and seminars

1. Yale Quantum Institute Webinar, Yale University, New Haven, CT, December 4, 2020
2. CoQuS Colloquium, Univesity of Vienna, Vienna, Austria, October 14, 2019
3. Physics Colloquium, University of Albany, Albany, NY, September 27, 2019
4. HEP Seminar, Penn State University, State College, PA, October 24, 2018
5. Physics Colloquium, Amherst College, Amherst, MA, February 6, 2018
6. Physics Colloquium, Yale University, New Haven, CT, January 22, 2018
7. Neutrino Seminar Series, Fermilab, Batavia, IL, October 19, 2017
8. AFCI Seminar, University of Massachusetts, Amherst, MA, April 18, 2017
9. 3IT Seminar, Sherbrooke University, Quebec, Canada, April 7, 2017
10. Particle and Astroparticle Seminar, McGill University, Montreal, Canada, April 6, 2017
11. Particle Physics Seminar, Stony Brook University, Stony Brook, NY, April 3, 2017
12. KICP Seminar, University of Chicago, Chicago, IL, March 10, 2017
13. SLAC Experimental Particle Physics Seminar, Menlo Park, CA, March 17, 2016
14. Physics Colloquium, University of Colorado, Boulder, CO, March 14, 2016
15. Physics Colloquium, University of Alabama, Tuscaloosa, AL, March 2, 2016
16. Nuclear, Particle, and Astrophysics Seminar, Yale University, New Haven, CT, February 25, 2016
17. Nuclear and Particle Physics Colloquium, MIT, Cambridge, MA, February 22, 2016
18. HEP-Astro Seminar, University of Michigan, Ann Arbor, MI, February 1, 2016
19. HEAP Seminar, University of California, Los Angeles, CA, January 28, 2016
20. Physics Colloquium, Virginia Tech, Blacksburg, VA, January 25, 2016
21. High Energy Physics Seminar, Caltech, Pasadena, CA, January 12, 2016

22. Physics Colloquium, New Mexico State University, Las Cruces, NM, November 12, 2015
23. Lee Grodzins Postdoctoral Award Colloquium, MIT, Cambridge, MA, September 14, 2015
24. Physics Colloquium, University of Texas, Austin, TX, February 23, 2015
25. Nuclear, Particle, and Astrophysics Seminar, Yale University, New Haven, CT, February 19, 2015
26. Laboratory for Particle Physics and Cosmology Seminar, Harvard University, Cambridge, MA, February 18, 2015
27. Astronomy and Physics Seminar, University of California, Berkeley, CA, February 12, 2015
28. Center for Particles and Fields Seminar, University of Texas, Austin, TX, January 23, 2015
29. Kavli Institute for Particle Astrophysics and Cosmology Tea Talk, Menlo Park, CA, March 14, 2014
30. Particle Astrophysics Seminar, McGill University, Montreal, Canada, March 28, 2012
31. HEPL Seminar, Stanford University, Stanford, CA, March 21, 2012
32. Observational Cosmology Seminar, Caltech, Pasadena, CA, June 2, 2011
33. Fermilab Particle Astrophysics Seminar, Batavia, IL, February 21, 2011
34. Observational Cosmology Seminar, Caltech, Pasadena, CA, February 3, 2011
35. High Energy Physics Seminar, Caltech, Pasadena, CA, February 8, 2010

All publications

1. D. Carney et al., "Mechanical quantum sensing in the search for dark matter," Quantum Sci. Technol. *in publication* (2021) arXiv:2008.06074.
2. D.C. Moore and A.A. Geraci, "Searching for new physics using optically levitated sensors," Quantum Sci. Technol. 6 014008 (2021) arXiv:2008.13197.
3. G. Afek et al., "Limits on the abundance of millicharged particles bound to matter," arXiv:2012.08169 (2020).
4. P. Lv et al., "Reflectance of Silicon Photomultipliers at Vacuum Ultraviolet Wavelengths," IEEE Trans. Nucl. Sci. 67, 2501 (2020), arXiv:1912.01841.
5. F. Monteiro et al., "Search for composite dark matter with optically levitated sensors," Phys. Rev. Lett. 125, 181102 (2020) arXiv:2007.12067.
6. T. Stiegler et al., "Event Reconstruction in a Liquid Xenon Time Projection Chamber with an Optically-Open Field Cage," arXiv:2009.10231 (2020).
7. G. Anton et al., "Measurement of the scintillation and ionization response of liquid xenon at MeV energies in the EXO-200 experiment," Phys. Rev. C 101, 065501 (2020), arXiv:1908.04128.
8. F. Monteiro et al., "Force and acceleration sensing with optically levitated nanogram masses at microkelvin temperatures," Phys. Rev. A 101, 053835 (2020), arXiv:2001.10931 (*PRA Editor's suggestion*).
9. S. Al Kharusi et al., "Measurement of the Spectral Shape of the β-Decay of ^{137}Xe to the Ground State of ^{137}Cs in EXO-200 and Comparison with Theory," Phys. Rev. Lett. 124, 232502 (2020), arXiv:2002.00108.
10. O. Njoya et al., "Measurements of electron transport in liquid and gas xenon using a laser-driven photocathode," NIM A 972, 163965 (2020), arXiv:1911.11580.
11. P. Nakarmi et al., "Reflectivity and PDE of VUV4 Hamamatsu SiPMs in liquid xenon," JINST 15 P01019 (2020), arXiv:1910.06438.
12. G. Gallina et al., "Characterization of the Hamamatsu VUV4 MPPCs for nEXO," Nucl. Instrum. Meth. Phys. Res. A, 940, 371 (2019), arXiv:1903.03663.
13. S. Ghosh et al., "Fabrication of large vaterite microspheres for optical trapping and rotation in high vacuum," SPIE Proc 11083, Optical Trapping and Optical Micromanipulation XVI; 1108317 (2019).

14. Z. Li et al., "Simulation of charge readout with segmented tiles in nEXO," JINST 14 P09020 (2019), arXiv:1907.07512.
15. G. Anton et al., "Search for Neutrinoless Double-Beta Decay with the Complete EXO-200 Dataset," Phys. Rev. Lett. 123, 161802 (2019) arXiv:1906.02723. (*PRL Editor's suggestion*)
16. C. Chambers et al., "Imaging individual barium atoms in solid xenon for barium tagging in nEXO,", Nature 569, 203 (2019), arXiv:1806.10694.
17. X.L. Sun et al., "Study of silicon photomultiplier performance in external electric fields," JINST 13 T09006 (2018), arXiv:1807.03007.
18. A. Jamil et al., "VUV-sensitive Silicon Photomultipliers for Xenon Scintillation Light Detection in nEXO," IEEE Trans. Nucl. Sci. 65, 2823 (2018), arXiv:1806.02220.
19. R. Agnese et al., "Nuclear-recoil energy scale in CDMS II silicon dark-matter detectors," Nucl. Instr. Meth. Phys. Res. A 905, 71 (2018), arXiv:1803.02903.
20. S. Al Kharusi et al., "nEXO Pre-Conceptual Design Report," arXiv:1805.11142 (2018).
21. S. Delaquis et al., "Deep neural networks for energy and position reconstruction in EXO-200," JINST 13, P08023 (2018), arXiv:1804.09641.
22. F. Monteiro, S. Ghosh, E.C. van Assendelft, and D.C. Moore, "Optical Rotation of Levitated Spheres in High Vacuum," Phys. Rev. A 97, 051802(R) (2018), arXiv:1803.04297.
23. A.D. Rider, C.P. Blakemore, G. Gratta, and D.C. Moore, "Single-beam Dielectric Microsphere Trapping with Optical Heterodyne Detection," Phys. Rev. A 97, 013842 (2018), arXiv:1710.03558.
24. J.B. Albert et al., "Search for Neutrinoless Double-Beta Decay with the Upgraded EXO-200 Detector," Phys. Rev. Lett. 120, 072701 (2018), arXiv:1707.08707.
25. M. Jewell et al., "Characterization of an Ionization Readout Tile for nEXO," JINST 13 P01006 (2018), arXiv:1710.05109.
26. J.B Albert et al., "Sensitivity and Discovery Potential of nEXO to Neutrinoless Double Beta Decay," Phys. Rev. C 97, 065503 (2018), arXiv:1710.05075.
27. J.B Albert et al., "Search for nucleon decays with EXO-200" Phys. Rev. D 97, 072007 (2018), arXiv:1710.07670.
28. F. Monteiro, S. Ghosh, A.G. Fine, and D.C. Moore, "Optical levitation of 10 nanogram spheres with nano-g acceleration sensitivity," Phys. Rev. A, 96, 063841 (2017), arXiv:1711.04675.
29. J.B. Albert et al., "Searches for Double Beta Decay of ^{134}Xe with EXO-200," Phys. Rev. D 96, 092001 (2017), arXiv:1704.05042.
30. D.S. Leonard et al., "Trace radioactive impurities in final construction materials for EXO-200," Nucl. Instrum. Meth. A 871, 169 (2017), arXiv:1703.10799.
31. J.B. Albert et al., "Measurement of the Drift Velocity and Transverse Diffusion of Electrons in Liquid Xenon with the EXO-200 Detector," Phys. Rev. C, 95, 025502 (2016), arXiv:1609.04467.
32. A.D. Rider, D.C. Moore, C.P. Blakemore, M. Louis, M. Lu, G. Gratta, "Search for Screened Interactions Below the Dark Energy Length Scale Using Optically Levitated Microspheres," Phys. Rev. Lett., 117, 101101 (2016), arXiv:1604.04908.
33. C.G. Davis et al., "An Optimal Energy Estimator to Reduce Correlated Noise for the EXO-200 Light Readout," JINST 11, P07015 (2016), arXiv:1605.06552.
34. J.B. Albert et al., "First search for Lorentz and CPT violation in double beta decay with EXO-200," Phys. Rev. D 93, 072001 (2016), arXiv:1601.07266.
35. J.B. Albert et al., "Cosmogenic Backgrounds to $0\nu\beta\beta$ in EXO-200," JCAP 04, 029 (2016), arXiv:1512.06835.
36. J.B. Albert et al., "Search for $2\nu\beta\beta$ decay of ^{136}Xe to the 0+1 excited state of ^{136}Ba with EXO-200," submitted to Phys. Rev. C (2015), arXiv:1511.04770.
37. J.B. Albert et al., "Measurements of the ion fraction and mobility of alpha and beta decay products in liquid xenon using EXO-200," Phys. Rev. C 92, 045504 (2015), arXiv:1506.00317.

38. J.B. Albert et al., "Investigation of radioactivity-induced backgrounds in EXO-200," Phys. Rev. C 92, 015503 (2015), arXiv:1503:06241.
39. T. Brunner et al., "An RF-only ion-funnel for extraction from high-pressure gases," Int. J. Mass Spec. 379, 110 (2015), arXiv:1412.1144.
40. B. Mong et al., "Spectroscopy of Ba and Ba+ deposits in solid xenon for barium tagging in nEXO," Phys. Rev. A 91, 022505 (2014), arXiv:1410.2624.
41. R. Agnese et al., "Maximum Likelihood Analysis of Low Energy CDMS II Germanium Data," Phys. Rev. D 91, 052021 (2014), arXiv:1410.1003.
42. J.B. Albert et al., "Search for Majoron-emitting modes of double-beta decay of ^{136}Xe with EXO-200," Phys. Rev. D 90, 092004 (2014), arXiv:1409.6829.
43. R. Agnese et al., "First direct limits on Lightly Ionizing Particles with electric charge less than e/6," Phys. Rev. Lett. 114, 111302 (2014), arXiv:1409.3270.
44. D.C. Moore, A.D. Rider, and G. Gratta, "Search for Millicharged Particles Using Optically Levitated Microspheres," Phys. Rev. Lett., 113, 251801 (2014), arXiv:1408.4396.
45. K. Twelker et al., "An apparatus to manipulate and identify individual Ba ions from bulk liquid Xe," Rev. Sci. Instrum. 85, 095114 (2014), arXiv:1407.0618.
46. J.B. Albert et al., "Search for Majorana neutrinos with the first two years of EXO-200 data," Nature 510, 229 (2014), arXiv:1402.6956.
47. R. Agnese et al., "Search for Low-Mass Weakly Interacting Massive Particles Using Voltage-Assisted Calorimetric Ionization Detection in the SuperCDMS Experiment," Phys. Rev. Lett. 112, 041302 (2014), arXiv:1309.3259.
48. J.B. Albert et al., "An improved measurement of the $2\nu\beta\beta$ half-life of Xe-136 with EXO-200," Phys. Rev. C 89, 015502 (2014), arXiv:1306.6106.
49. R. Agnese et al., "Demonstration of Surface Electron Rejection with Interleaved Germanium Detectors for Dark Matter Searches," Appl. Phys. Lett. 103, 164105 (2013), arXiv:1305.2405.
50. R. Agnese et al., "Silicon Detector Dark Matter Results from the Final Exposure of CDMS II," Phys. Rev. Lett. 111, 251301 (2013), arXiv:1304.4279.
51. R. Agnese et al., "Silicon detector results from the first five-tower run of CDMS II," Phys. Rev. D 88, 031104 (2013), arXiv:1304.3706.
52. D.C. Moore, "A search for low-mass dark matter with the cryogenic dark matter search and the development of highly multiplexed phonon-mediated particle detectors," Ph.D. thesis, California Institute of Technology (2012).
53. D.C. Moore et al., "Position and energy-resolved particle detection using phonon-mediated microwave kinetic inductance detectors," Appl. Phys. Lett. 100, 232601 (2012), arXiv:1203.4549.
54. Z. Ahmed et al., "Search for annual modulation in low-energy CDMS II data" (2012), arXiv:1203.1309.
55. D.C. Moore et al., "Phonon mediated microwave kinetic inductance detectors," J. Low Temp. Phys. 167, 329 (2012).
56. Z. Ahmed et al., "Combined Limits on WIMPs from the CDMS and EDELWEISS Experiments," Phys. Rev. D. 84, 011102 (2011), arXiv:1105.3377.
57. Z. Ahmed et al., "Search for inelastic dark matter with the CDMS II experiment," Phys. Rev. D. 83, 112002 (2011), arXiv:1012.5078.
58. Z. Ahmed et al., "Results from a Low-Energy Analysis of CDMS II Germanium Data," Phys. Rev. Lett. 106, 131302 (2011), arXiv:1011.2482.
59. D.S. Akerib et al., "A low-threshold analysis of CDMS shallow-site data," Phys. Rev. D 82, 122004 (2010), arXiv:1010.4290.
60. B.A. Mazin et al., "ARCONS: A highly multiplexed superconducting optical to near-IR camera," Proc. SPIE 7735, 773518 (2010).

61. H.G. LeDuc et al., "Titanium Nitride Films for Ultrasensitive Microresonator Detectors," Appl. Phys. Lett. 97, 102509 (2010).
62. Z. Ahmed et al., "Dark matter search results from the CDMS II experiment," Science 327, 1619 (2010), arXiv:0912.3592.
63. Z. Ahmed et al., "Analysis of the low-energy electron-recoil spectrum of the CDMS Experiment," Phys. Rev. D 81, 042002 (2010), arXiv:0907.1438.
64. Z. Ahmed et al., "Search for Axions with the CDMS Experiment," Phys. Rev. Lett. 103, 141802 (2009), arXiv:0902.4693.
65. D.C. Moore et al., "Quasiparticle Trapping in Microwave Kinetic Inductance Strip Detectors," LTD-13, AIP Conf. Proc. 1185, 168 (2009).
66. D.N. Seitz et al., "SuperCDMS Detector Readout Cryogenic Hardware," LTD-13, AIP Conf. Proc. 1185, 282 (2009).
67. N. Mirabolfathi et al., "The Cryogenic Dark Matter Search (CDMS) Experiment: Results, Status, and Perspective," LTD-13, AIP Conf. Proc. 1185, 623 (2009).
68. C.N. Bailey et al., "Bulk and Surface Charge Collection: CDMS Detector Performance and Design Implications," LTD-13, AIP Conf. Proc. 1185, 643 (2009).
69. P.L. Brink et al., "SuperCDMS Detector Fabrication Advances," LTD-13, AIP Conf. Proc. 1185, 655 (2009).
70. Z. Ahmed et al., "Characterization of SuperCDMS 1-inch Ge Detectors," LTD-13, AIP Conf. Proc. 1185, 659 (2009).
71. N.G. Czakon et al., "Microwave Kinetic Inductance Detector (MKID) Camera Testing for Submillimeter Astronomy," ISSTT2009, P8F (2009).
72. O. Noroozian et al., "Development of Low-Noise Multiband Imaging Arrays using Microwave Kinetic Inductance Detectors (MKID) for Ground-based Submillimeter Astronomy," ISSTT2009, T2A (2009).
73. S. Golwala et al., "A WIMP Dark Matter Detector Using MKIDs," J. Low Temp. Phys. 151, 550 (2008).
74. D.C. Moore and G.T. Fleming, "The effect of reduced spatial symmetries on lattice states: results for non-zero linear momentum," PoS(LAT2006) 190-195 (2006).
75. D.C. Moore and G.T. Fleming, "Multiparticle states and the hadron spectrum on the lattice," Phys. Rev. D 74, 054504 (2006), arXiv:hep-lat/0507018.
76. D.C. Moore and G.T. Fleming, "Angular momentum on the lattice: The case of nonzero linear momentum," Phys. Rev. D 73, 014504 (2006), Erratum ibid. 74, 079905 (2006), arXiv:hep-lat/0507018.
77. E. Gawiser et al., "The Multiwavelength Survey by Yale-Chile (MUSYC): Survey Design and Deep Public UBVRIz' Images and Catalogs of the Extended Hubble Deep Field-South," Astrophys. J. Suppl. 162, 1 (2006), arXiv:astro-ph/0509202.