Stanford



Daniel Akerib

Professor of Particle Physics and Astrophysics

Bio

BIO

Research interests:

Dan Akerib joined the department in 2014 with a courtesy appointment, in conjunction with a full-time appointment to the Particle Physics & Astrophysics faculty at SLAC. He has searched for WIMP dark matter particles since the early 1990s, first with the Cryogenic Dark Matter Search and more recently with the LUX and LUX-ZEPLIN projects. His current interests are in extending the sensitivity to dark matter through expanding and improving time projection chambers that use liquid xenon as a target medium. Together with Tom Shutt, he has led the establishment of a Liquid Nobles Test Platform at SLAC. The group specializes in detector development, xenon purification, and simulations, and has a broad range of opportunities for graduate and undergraduate students to participate in hardware and software development, as well as data analysis.

Career History:

- AB 1984, University of Chicago
- Ph.D. 1990 Princeton University
- Research Fellow, California Institute of Technology, 1990 - 1992
- Center Fellow, Center for Particle Astrophysics, UC Berkeley 1993 - 1996
- Assistant Professor, Case Western Reserve University, 1995-2001
- Associate Professor, Case Western Reserve University, 2001-2004
- Professor, Case Western Reserve University, 2004-2014
- Chair, Case Western Reserve University, 2007-2010
- Associate Lab Director (interim), Fundamental Physics Directorate, SLAC, 2023 -2024
- Spokesperson, XLZD Collaboration, 2025-2026
- Professor, Particle Physics & Astrophysics, SLAC 2014 - present
- Professor, by courtesy, Physics, Stanford University, 2014 - present

ACADEMIC APPOINTMENTS

- Professor, Particle Physics and Astrophysics

HONORS AND AWARDS

- Center Fellow, Center for Particle Astrophysics, UC Berkeley (1993-1996)
- NSF CAREER Award, CWRU (1996-2001)
- J. Bruce Jackson, M.D., Award for Excellence in Undergraduate Mentoring, CWRU (2007)

- Fellow, American Physics Society (2008)

LINKS

- Research lab site: https://lz.slac.stanford.edu
- Publications on inSPIREhep: http://inspirehep.net/search?ln=en&ln=en&p=find+a +akerib&of=hb&action_search=Search&sf=&so=d&rm=&rg=25&sc=0
- Publications on arXiv: http://arxiv.org/find/all/1/all:+akerib/0/1/0/all/0/1

Teaching

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Toby Satterthwaite, Haley Stueber

Postdoctoral Faculty Sponsor

Peter Gaemers, Eli Mizrachi

Doctoral Dissertation Advisor (AC)

Ruben Coronel, Hope Fu, Hazal Zenger

Doctoral Dissertation Co-Advisor (AC)

Liam Sherman

Postdoctoral Research Mentor

Peter Gaemers, Eli Mizrachi

Publications

PUBLICATIONS

- **Results from a Search for Dark Matter in the Complete LUX Exposure** *PHYSICAL REVIEW LETTERS*
  Akerib, D. S., Alsum, S., Araujo, H. M., Bai, X., Bailey, A. J., Balajthy, J., Beltrame, P., Bernard, E. P., Bernstein, A., Biesiadzinski, T. P., Boulton, E. M., Bramante, R., BRAS, et al
  2017; 118 (2)
- **Results on the Spin-Dependent Scattering of Weakly Interacting Massive Particles on Nucleons from the Run 3 Data of the LUX Experiment** *PHYSICAL REVIEW LETTERS*
  Akerib, D. S., Araujo, H. M., Bai, X., Bailey, A. J., Balajthy, J., Beltrame, P., Bernard, E. P., Bernstein, A., Biesiadzinski, T. P., Boulton, E. M., Bradley, A., Bramante, R., Cahn, et al
  2016; 116 (16)
- **Improved Limits on Scattering of Weakly Interacting Massive Particles from Reanalysis of 2013 LUX Data** *PHYSICAL REVIEW LETTERS*
  Akerib, D. S., Araujo, H. M., Bai, X., Bailey, A. J., Balajthy, J., Beltrame, P., Bernard, E. P., Bernstein, A., Biesiadzinski, T. P., Boulton, E. M., Bradley, A., Bramante, R., Cahn, et al
  2016; 116 (16)
- **Combined limits on WIMPs from the CDMS and EDELWEISS experiments** *PHYSICAL REVIEW D*
  Ahmed, Z., Akerib, D. S., Armengaud, E., Arrenberg, S., Augier, C., Bailey, C. N., Balakishiyeva, D., Baudis, L., Bauer, D. A., Benoit, A., Berge, L., Bluemer, J., Brink, et al
  2011; 84 (1)
- **Search for Weakly Interacting Massive Particles with the First Five-Tower Data from the Cryogenic Dark Matter Search at the Soudan Underground Laboratory** *PHYSICAL REVIEW LETTERS*
  Ahmed, Z., Akerib, D. S., Arrenberg, S., Attisha, M. J., Bailey, C. N., Baudis, L., Bauer, D. A., Beaty, J., Brink, P. L., Bruch, T., Bunker, R., Burke, S., Cabrera, et al
  2009; 102 (1)

- **Design and performance of a modular low-radioactivity readout system for cryogenic detectors in the CDMS experiment** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*
  Akerib, D. S., Barnes, P. D., Brink, P. L., Cabrera, B., Clarke, R. M., Gaitskell, R. J., Golwala, S. R., Huber, M. E., Kurylowicz, M., Mandic, V., Martinis, J. M., Meunier, P., Mirabolfathi, et al
  2008; 591 (3): 476-489

- **First results from the cryogenic dark matter search in the Soudan Underground Laboratory** *PHYSICAL REVIEW LETTERS*
  Akerib, D. S., Alvaro-Dean, J., Armel-Funkhouser, M. S., Attisha, M. J., Baudis, L., Bauer, D. A., Beaty, J., Brink, P. L., Bunker, R., Burke, S. P., Cabrera, B., Caldwell, D. O., Callahan, et al
  2004; 93 (21)

- **Exclusion limits on the WIMP-nucleon cross section from the cryogenic dark matter search** *PHYSICAL REVIEW D*
  Abrams, D., Akerib, D. S., Armel-Funkhouser, M. S., Baudis, L., Bauer, D. A., Bolozdynya, A., Brink, P. L., Bunker, R., Cabrera, B., Caldwell, D. O., Castle, J. P., Chang, C. L., Clarke, et al
  2002; 66 (12)

- **Exclusion limits on the WIMP-nucleon cross section from the Cryogenic Dark Matter Search** *PHYSICAL REVIEW LETTERS*
  Abusaidi, R., Akerib, D. S., Barnes, P. D., Bauer, D. A., Bolozdynya, A., Brink, P. L., Bunker, R., Cabrera, B., Caldwell, D. O., Castle, J. P., Clarke, R. M., Colling, P., Crisler, et al
  2000; 84 (25): 5699-5703

- **LUX, ZEPLIN and LUX-ZEPLIN: Developments in liquid xenon detectors and the search for WIMP dark matter** *NUCLEAR PHYSICS B*
  Akerib, D. S.
  2024; 1003

- **CMB-S4: Forecasting Constraints on Primordial Gravitational Waves** *ASTROPHYSICAL JOURNAL*
  Abazajian, K., Addison, G. E., Adshead, P., Ahmed, Z., Akerib, D., Ali, A., Allen, S. W., Alonso, D., Alvarez, M., Amin, M. A., Anderson, A., Arnold, K. S., Ashton, et al
  2022; 926 (1)

- **A Simple Ventilator Designed To Be Used in Shortage Crises: Construction and Verification Testing.** *JMIR biomedical engineering*
  Akerib, D. S., Ames, A., Breidenbach, M., Bressack, M., Breur, P. A., Charles, E., Gaba, D. M., Herbst, R., Ignarra, C. M., Luitz, S., Miller, E. H., Mong, B., Shutt, et al
  2021; 6 (3): e26047

- **Signal yields, energy resolution, and recombination fluctuations in liquid xenon** *PHYSICAL REVIEW D*
  Akerib, D. S., Alsum, S., Araujo, H. M., Bai, X., Bailey, A. J., Balajthy, J., Beltrame, P., Bernard, E. P., Bernstein, A., Biesiadzinski, T. P., Boulton, E. M., Bramante, R., BRAS, et al
  2017; 95 (1)

- **FPGA-based trigger system for the LUX dark matter experiment** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*
  Akerib, D. S., Araujo, H. M., Bai, X., Bailey, A. J., Balajthy, J., Beltrame, P., Bernard, E. P., Bernstein, A., Biesiadzinski, T. P., Boulton, E. M., Bradley, A., Bramante, R., Cahn, et al
  2016; 818: 57-67

- **Tritium calibration of the LUX dark matter experiment** *PHYSICAL REVIEW D*
  Akerib, D. S., Araujo, H. M., Bai, X., Bailey, A. J., Balajthy, J., Beltrame, P., Bernard, E. P., Bernstein, A., Biesiadzinski, T. P., Boulton, E. M., Bradley, A., Bramante, R., Cahn, et al
  2016; 93 (7)

- **Results from the LUX dark matter experiment** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*
  Horn, M., Akerib, D. S., Araujo, H. M., Bai, X., Bailey, A. J., Balajthy, J., Bernard, E., Bernstein, A., Bradley, A., Byram, D., Cahn, S. B., Carmona-Benitez, M. C., Chan, et al
  2015; 784: 504-507

- **Radiogenic and muon-induced backgrounds in the LUX dark matter detector** *ASTROPARTICLE PHYSICS*
  Akerib, D. S., Araujo, H. M., Bai, X., Bailey, A. J., Balajthy, J., Bernard, E., Bernstein, A., Bradley, A., Byram, D., Cahn, S. B., Carmona-Benitez, M. C., Chan, C., Chapman, et al

2015; 62: 33-46

- **First Results from the LUX Dark Matter Experiment at the Sanford Underground Research Facility** *PHYSICAL REVIEW LETTERS*
  Akerib, D. S., Araujo, H. M., Bai, X., Bailey, A. J., Balajthy, J., Bedikian, S., Bernard, E., Bernstein, A., Bolozdynya, A., Bradley, A., Byram, D., Cahn, S. B., Carmona-Benitez, et al
  2014; 112 (9)

- **Technical results from the surface run of the LUX dark matter experiment** *ASTROPARTICLE PHYSICS*
  Akerib, D. S., Bai, X., Bernard, E., Bernstein, A., Bradley, A., Byram, D., Cahn, S. B., Carmona-Benitez, M. C., Chapman, J. J., Coffey, T., Dobi, A., Dragowsky, E., Druszkiewicz, et al
  2013; 45: 34-43

- **The LUX prototype detector: Heat exchanger development** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*
  Akerib, D. S., Bai, X., Bedikian, S., Bernstein, A., Bolozdynya, A., Bradley, A., Cahn, S. B., Carr, D., Chapman, J. J., Clark, K., Classen, T., Curioni, A., Dahl, et al
  2013; 709: 29-36

- **The Large Underground Xenon (LUX) experiment** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*
  Akerib, D. S., Bai, X., Bedikian, S., Bernard, E., Bernstein, A., Bolozdynya, A., Bradley, A., Byram, D., Cahn, S. B., Camp, C., Carmona-Benitez, M. C., Carr, D., Chapman, et al
  2013; 704: 111-126

- **An ultra-low background PMT for liquid xenon detectors** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*
  Akerib, D. S., Bai, X., Bernard, E., Bernstein, A., Bradley, A., Byram, D., Cahn, S. B., Carmona-Benitez, M. C., Carr, D., Chapman, J. J., Clark, K., Coffey, T., Edwards, et al
  2013; 703: 1-6

- **LUXSim: A component-centric approach to low-background simulations** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*
  Akerib, D. S., Bai, X., Bedikian, S., Bernard, E., Bernstein, A., Bradley, A., Cahn, S. B., Carmona-Benitez, M. C., Carr, D., Chapman, J. J., Clark, K., Classen, T., Coffey, et al
  2012; 675: 63-77

- **Data acquisition and readout system for the LUX dark matter experiment** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*
  Akerib, D. S., Bai, X., Bedikian, S., Bernard, E., Bernstein, A., Bradley, A., Cahn, S. B., Carmona-Benitez, M. C., Carr, D., Chapman, J. J., Clark, K., Classen, T., Coffey, et al
  2012; 668: 1-8

- **Combined limits on WIMPs from the CDMS and EDELWEISS experiments** *PHYSICAL REVIEW D*
  Ahmed, Z., Akerib, D. S., Armengaud, E., Arrenberg, S., Augier, C., Bailey, C. N., Balakishiyeva, D., Baudis, L., Bauer, D. A., Benoit, A., Berge, L., Bluemer, J., Brink, et al
  2011; 84 (1)

- **Search for inelastic dark matter with the CDMS II experiment** *PHYSICAL REVIEW D*
  Ahmed, Z., Akerib, D. S., Arrenberg, S., Bailey, C. N., Balakishiyeva, D., Baudis, L., Bauer, D. A., Brink, P. L., Bruch, T., Bunker, R., Cabrera, B., Caldwell, D. O., Cooley, et al
  2011; 83 (11)

- **Results from a Low-Energy Analysis of the CDMS II Germanium Data** *PHYSICAL REVIEW LETTERS*
  Ahmed, Z., Akerib, D. S., Arrenberg, S., Bailey, C. N., Balakishiyeva, D., Baudis, L., Bauer, D. A., Brink, P. L., Bruch, T., Bunker, R., Cabrera, B., Caldwell, D. O., Cooley, et al
  2011; 106 (13)

- **Low-threshold analysis of CDMS shallow-site data** *PHYSICAL REVIEW D*
  Akerib, D. S., Attisha, M. J., Baudis, L., Bauer, D. A., Bolozdynya, A. I., Brink, P. L., Bunker, R., Cabrera, B., Caldwell, D. O., Chang, C. L., Clarke, R. M., Cooley, J., Crisler, et al
  2010; 82 (12)

- **Dark Matter Search Results from the CDMS II Experiment** *SCIENCE*
  Ahmed, Z., Akerib, D. S., Arrenberg, S., Bailey, C. N., Balakishiyeva, D., Baudis, L., Bauer, D. A., Brink, P. L., Bruch, T., Bunker, R., Cabrera, B., Caldwell, D. O., Cooley, et al
  2010; 327 (5973): 1619-1621

- **Analysis of the low-energy electron-recoil spectrum of the CDMS experiment** *PHYSICAL REVIEW D*
  Ahmed, Z., Akerib, D. S., Arrenberg, S., Bailey, C. N., Balakishiyeva, D., Baudis, L., Bauer, D. A., Beaty, J., Brink, P. L., Bruch, T., Bunker, R., Cabrera, B., Caldwell, et al
  2010; 81 (4)

- **Search for Axions with the CDMS Experiment** *PHYSICAL REVIEW LETTERS*
  Ahmed, Z., Akerib, D. S., Arrenberg, S., Bailey, C. N., Balakishiyeva, D., Baudis, L., Bauer, D. A., Beaty, J., Brink, P. L., Bruch, T., Bunker, R., Cabrera, B., Caldwell, et al
  2009; 103 (14)

- **The Cryogenic Dark Matter Search (CDMS) experiment: Results and prospects** *25th International Conference on Low Temperature Physics (LT25)*
  Brink, P. L., Ahmed, Z., Akerib, D. S., Bailey, C. N., Bauer, D. A., Beaty, J., Bunker, R., Burke, S., Cabrera, B., Caldwell, D. O., Cooley, J., Cushman, P., DeJongh, et al
  IOP PUBLISHING LTD.2009

- **SuperCDMS Detector Fabrication Advances** *13th International Workshop on Low Temperature Detectors*
  Brink, P. L., Ahmed, Z., Akerib, D. S., Bailey, C. N., Balakishiyeva, D., Bauer, D. A., Beaty, J., Bunker, R., Cabrera, B., Caldwell, D. O., Cooley, J., do Couto e Silva, E., Cushman, et al
  AMER INST PHYSICS.2009: 655–658

- **The Cryogenic Dark Matter Search (CDMS) : Present Status and Future** *10th Conference on the Intersections of Particle and Nuclear Physics*
  Brink, P. L., Ahmed, Z., Akerib, D. S., Bailey, C. N., Balakishiyeva, D., Bauer, D. A., Beaty, J., Bunker, R., Cabrera, B., Caldwell, D. O., Cooley, J., do Couto e Silva, E., Cushman, et al
  AMER INST PHYSICS.2009: 260–263

- **Status of the cryogenic Dark Matter Search experiment** *JOURNAL OF LOW TEMPERATURE PHYSICS*
  Ahmed, Z., Akerib, D. S., Attisha, M. J., Bailey, C. N., Baudis, L., Bauer, D. A., Brink, P. L., Brusov, P. P., Bunker, R., Cabrera, B., Caldwell, D. O., Chang, C. L., Cooley, et al
  2008; 151 (3-4): 800-805

- **Present status of the SuperCDMS program** *JOURNAL OF LOW TEMPERATURE PHYSICS*
  Akerib, D. S., Bailey, C. N., Bauer, D. A., Brink, P. L., Bunker, R., Cabrera, B., Caldwell, D. O., Cooley, J., Cushman, P., DeJongh, F., Dragowsky, M. R., Duong, L., Figueroa-Feliciano, et al
  2008; 151 (3-4): 818-823

- **Detector development for the next phases of the cryogenic dark matter search: Results from 1 inch Ge and Si detectors** *12th International Workshop on Low Temperature Detectors*
  Bailey, C. N., Ahmed, Z., Akerib, D. S., Brink, P. L., Cabrera, B., Castle, J. P., Cooley, J., Danowski, M. E., Dragowsky, M. R., Filippini, J., Grant, D. R., Hennings-Yeomans, R., Mirabolfathi, et al
  SPRINGER/PLENUM PUBLISHERS.2008: 211–15

- **CDMS, supersymmetry and extra dimensions** *7th UCLA Symposium on Sources and Detection of Dark Matter and Dark Energy in the Universe*
  Akerib, D. S., Attisha, M. J., Bailey, C. N., Baudis, L., Bauer, D. A., Brink, P. L., Brusov, P. P., Bunker, R., Cabrera, B., Caldwell, D. O., Chang, C. L., Cooley, J., Crisler, et al
  ELSEVIER SCIENCE BV.2007: 95–98

- **Surface event rejection using phonon information in CDMS** *7th UCLA Symposium on Sources and Detection of Dark Matter and Dark Energy in the Universe*
  Akerib, D. S., Attisha, M. J., Bailey, C. N., Baudis, L., Bauer, D. A., Brink, P. L., Brusov, P. P., Bunker, R., Cabrera, B., Caldwell, D. O., Chang, C. L., Cooley, J., Crisler, et al
  ELSEVIER SCIENCE BV.2007: 137–140

- **A neutron multiplicity meter for deep underground muon-induced high-energy neutron measurements** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*
  Hennings-Yeomans, R., Akerib, D. S.

2007; 574 (1): 89-97

- **First test runs of a dark-matter detector with interleaved ionization electrodes and phonon sensors for surface-event rejection** *11th International Workshop on Low-Temperature Detectors*

  Brink, P. L., Cabrera, B., Castle, J. P., Cooley, J., Novak, L., Ogburn, R. W., Pyle, M., Ruderman, J., Tomada, A., Young, B. A., Filippini, J., Meunier, P., Mirabolfathi, et al

  ELSEVIER SCIENCE BV.2006: 414–16

- **Limits on WIMP-nucleon interactions from the Cryogenic Dark Matter Search at the Soudan Underground Laboratory** *11th International Workshop on Low-Temperature Detectors*

  Akerib, D. S., Attisha, M. J., Bailey, C. N., Baudis, L., Bauer, D. A., Brink, P. L., Brusov, P. P., Bunker, R., Cabrera, B., Caldwell, D. O., Chang, C. L., Cooley, J., Crisler, et al

  ELSEVIER SCIENCE BV.2006: 390–92

- **Characterization, performance, and future advanced analysis of detectors in the cryogenic dark matter search (CDMS-II)** *11th International Workshop on Low-Temperature Detectors*

  Akerib, D. S., Attishab, M. J., Bailey, C. N., Baudis, L., Bauer, D. A., Brink, P. L., Brusov, P. P., Bunker, R., Cabrera, B., Caldwell, D. O., Chang, C. L., Cooley, J., Crisler, et al

  ELSEVIER SCIENCE BV.2006: 387–89

- **Detector commissioning for the CDMS-II final run at the Soudan Underground Laboratory** *11th International Workshop on Low-Temperature Detectors*

  Mirabolfathi, N., Filippini, J. P., Mandic, V., Meunier, P., Sadoulet, B., Seitz, D. N., Serfass, B., Sundqvist, K. M., Akerib, D. S., Bailey, C. N., Brusov, P. P., Dragowsky, M., Schnee, et al

  ELSEVIER SCIENCE BV.2006: 417–19

- **The SuperCDMS proposal for dark matter detection** *11th International Workshop on Low-Temperature Detectors*

  Akerib, D. S., Attisha, M. J., Bailey, C. N., Baudis, L., Bauer, D. A., Brink, P. L., Brusov, P. P., Bunker, R., Cabrera, B., Caldwell, D. O., Chang, C. L., Cooley, J., Crisler, et al

  ELSEVIER SCIENCE BV.2006: 411–13

- **Limits on spin-independent interactions of weakly interacting massive particles with nucleons from the two-tower run of the cryogenic dark matter search** *PHYSICAL REVIEW LETTERS*

  Akerib, D. S., Attisha, M. J., Bailey, C. N., Baudis, L., Bauer, D. A., Brink, P. L., Brusov, P. P., Bunker, R., Cabrera, B., Caldwell, D. O., Chang, C. L., Cooley, J., Crisler, et al

  2006; 96 (1)

- **Latest results from the CDMS-II Cold Dark Matter search** *24th International Conference on Low Temperature Physics (LT24)*

  Brink, P. L., Akerib, D. S., Armed-Funkhouser, M. S., Attisha, M. J., Bailey, C. N., Baudis, L., Bauer, D. A., Bunker, R., Cabrera, B., Caldwell, D. O., Chang, C. L., Crisler, M. B., Cushman, et al

  AMER INST PHYSICS.2006: 1617–1620

- **Limits on spin-dependent WIMP-nucleon interactions from the Cryogenic Dark Matter Search** *PHYSICAL REVIEW D*

  Akerib, D. S., Armel-Funkhouser, M. S., Attisha, M. J., Bailey, C. N., Baudis, L., Bauer, D. A., Brink, P. L., Brusov, P. P., Bunker, R., Cabrera, B., Caldwell, D. O., Chang, C. L., Cooley, et al

  2006; 73 (1)

- **Exclusion limits on the WIMP-nucleon cross section from the first run of the Cryogenic Dark Matter Search in the Soudan Underground Laboratory** *PHYSICAL REVIEW D*

  Akerib, D. S., Armel-Funkhouser, M. S., Attisha, M. J., Bailey, C. N., Baudis, L., Bauer, D. A., Brink, P. L., Bunker, R., Cabrera, B., Caldwell, D. O., Chang, C. L., Crisler, M. B., Cushman, et al

  2005; 72 (5)

- **Installation and commissioning of the CDMSII experiment at Soudan** *10th International Workshop on Low Temperature Detectors*

  Akerib, D. S., Alvaro-Dean, J., Armel, M. S., Attisha, M., Baudis, L., Bauer, D. A., Bolozdynya, A. I., Brink, P. L., Bunker, R., Cabrera, B., Caldwell, D. O., Castle, J. P., Chang, et al

  ELSEVIER SCIENCE BV.2004: 116–19

- **Demonstration of feasibility of operating a silicon ZIP detector with 20eV threshold** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*

  Akerib, D. S., Dragowsky, M., Driscoll, D., Kamat, S., Perera, T., Schnee, R., Wang, G., Gaitskell, R., Bogdanova, L., Trofimov, V.

  2004; 520 (1-3): 163-166

- **Further results from the CDMS experiment** *10th International Workshop on Low Temperature Detectors*
  Akerib, D. S., Armel, M. S., Attisha, M., Baudis, L., Bauer, D. A., Brink, P. L., Bunker, R., Cabrera, B., Caldwell, D. O., Chang, C. L., Crisler, M. B., Cushman, P., Dixon, et al
  ELSEVIER SCIENCE BV.2004: 105–7

- **New results from the Cryogenic Dark Matter Search experiment** *PHYSICAL REVIEW D*
  Akerib, D. S., Alvaro-Dean, J., Armel, M. S., Attisha, M. J., Baudis, L., Bauer, D. A., Bolozdynya, A. I., Brink, P. L., Bunker, R., Cabrera, B., Caldwell, D. O., Castle, J. P., Chang, et al
  2003; 68 (8)

- **Results from the 1998-1999 Runs of the Cryogenic Dark Matter Search** *5th International UCLA Symposium on Sources and Detection of Dark Matter and Dark Energy in the Universe*
  Schnee, R. W., Abrams, D., Akerib, D. S., Armel-Funkhouser, M. S., Baudis, L., Bauer, D. A., Bolozdynya, A., Brink, P. L., Bunker, R., Cabrera, B., Caldwell, D. O., Castle, J. P., Chang, et al
  ELSEVIER SCIENCE BV.2003: 185–188

- **Expected performance of CryoArray** *NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS*
  Schnee, R. W., Akerib, D. S., Gaitskell, R. J.
  2003; 124: 233-236

- **Present status of the cryogenic dark matter search (CDMS II) experiment** *23rd International Conference on Low Temperature Physics (LT23)*
  Abrams, D., Akerib, D. S., Armel-Funkhouser, M. S., Baudis, L., Bauer, D. A., Brink, P. L., Bunker, R., Cabrera, B., Caldwell, D. O., Castle, J. P., Chang, C. L., Crisler, M. B., Dixon, et al
  ELSEVIER SCIENCE BV.2003: 1590–1591

- **Deployment of the first CDMS II ZIP detectors at the Stanford Underground Facility** *7th International Workshop on Topics in Astroparticle and Underground Physics*
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