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- [6] B. Bilki et al., "Measurement of the Rate Capability of Resistive Plate Chambers", 2009 JINST 4 P06003.
- [7] B. Bilki et al., "Calibration of a Digital Hadron Calorimeter", 2008 JINST 3 P05001.
- [8] B. Bilki et al., "Measurement of Positron Showers with a Digital Hadron Calorimeter", 2009 JINST 4 P04006.
- [9] B. Bilki et al., "Hadron showers in a digital hadron calorimeter", 2009 JINST 4 P10008.

#### 4. Publications and Talks

##### Sensors

- 1. Bleem L.; Ade P.; Aird K.; et al., "An Overview of the SPTpol Experiment", *J. OF LOW TEMPERATURE PHYSICS* Vol. 167 Pages 859-864 (2012).
- 2. Chang, CL; Ade, P; Aird, K; et al., "Optical and Thermal Properties of ANL/KICP Polarization Sensitive Bolometers for SPTpol", *J. OF LOW TEMPERATURE PHYSICS* Vol. 167 Pages 865-871 (2012).
- 3. Crites A. T.; Benson B. A.; Bleem L.; et al., "Progress on ANL/KICP Bolometers for SPTpol", *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY* Vol. 21 Pages 184-187 (2011).
- 4. Wang G.; Yefremenko V.; Novosad V.; et al., "Thermal Properties of Silicon Nitride Beams Below One Kelvin", *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY* Vol. 21 Pages 232-235 (2011) .
- 5. Wang G.; Yefremenko V.; Datesman A.; et al., "Thermal modeling of absorber-coupled TES polarimeter using finite element method", *AIP Conference Proceedings (LTD13 2009)*, Vol. 1185, pp. 334.
- 6. Crites A. T.; Bleem L. E.; Carlstrom J. E.; et al., "Optical Properties of Argonne/KICP TES Bolometers for CMB Polarimetry", *AIP Conference Proceedings (LTD13 2009)*, Vol. 1185, pp. 203.
- 7. Yefremenko V.; Datesman A.; Wang G.; et al., "Design and Fabrication of Argonne/KICP Detectors for CMB Polarization", *AIP Conference Proceedings (LTD13 2009)*, Vol. 1185, pp. 359.
- 8. McMahon J.; Bleem L. E.; Crites A. T.; et al., "Optical design of Argonne/KICP detectors for CMB polarization", *AIP Conference Proceedings (LTD13 2009)*, Vol. 1185, pp. 487.
- 9. "Large Area Microchannel Plate Imaging Event Counting Detectors with Sub-Nanosecond", O.H.W. Siegmund et al, for the LAPPD collaboration, Talk and Proceedings at 2012 IEEE Symposium on Radiation Measurements and Applications, Oakland, CA, May 2012.

10. Development of Ultra-Thin GaAs Photocathodes”, R.Dowdy et. al, for the LAPPD collaboration; Talk at Technology and Instrumentation in Particle Physics (TIPP) 2011, Chicago, IL., July 2011, Proceedings to be published in Physics Procedia (Elsevier), 2012; <http://psec.uchicago.edu/library/doclib/documents/182>
11. “Multipurpose Test Structures and Process Characterization using 0.13 um CMOS: The CHAMP ASIC”, M.Cooney et al, for the LAPPD collaboration; Talk at TIPP 2011, Chicago, IL., July 2011, Proceedings to be published in Physics Procedia (Elsevier), 2012; <http://psec.uchicago.edu/library/doclib/documents/181>
12. “Development of an alkali transfer photocathode for large area microchannel plate-based photodetectors”, Z.Yusof et al., for the LAPPD collaboration; Talk at TIPP 2011, Chicago, IL., July 2011, Proceedings to be published in Physics Procedia (Elsevier), 2012; <http://psec.uchicago.edu/library/doclib/documents/180>
13. “Instrumentation for Theory-Inspired Photocathode Development within the Large Area Picosecond Photodetector (LAPPD) Project”, J.Xie et al., for the LAPPD collaboration; Talk at TIPP 2011, Chicago IL., July 2011, Proceedings to be published in Physics Procedia (Elsevier), 2012; <http://psec.uchicago.edu/library/doclib/documents/179>
14. “Secondary electron yield of emissive materials for large-area micro-channel plate detectors: surface composition and film thickness dependencies”, S.Jokela et al., for the LAPPD collaboration; Talk at TIPP 2011, Chicago, IL 2011, Proceedings to be published in Physics Procedia (Elsevier), 2012; <http://psec.uchicago.edu/library/doclib/documents/178>
15. “An atomic layer deposition method to fabricate economical and robust large area microchannel plates for photodetectors”, A.Mane et al., for the LAPPD collaboration; Talk at TIPP 2011, Chicago, IL 2011, Proceedings to be published in Physics Procedia (Elsevier), 2012; <http://psec.uchicago.edu/library/doclib/documents/172>
16. “Revealing the Correlations between Growth Recipe and Microscopic Structure of Bi-alkali/Multi-alkali Photocathodes”, S.W.Lee et al., for the LAPPD collaboration; Talk at TIPP 2011, Chicago, IL 2011, Proceedings to be published in Physics Procedia (Elsevier), 2012; <http://psec.uchicago.edu/library/doclib/documents/166>
17. “Optimization of Transmission Mode Metallic (Aluminum) Photocathodes”, S.W.Lee for et al., the LAPPD collaboration; Talk at TIPP 2011, Chicago, IL 2011, Proceedings to be published in Physics Procedia (Elsevier), 2012; <http://psec.uchicago.edu/library/doclib/documents/165>
18. “A correlation-based timing calibration and diagnostic technique for fast digitizing ASICs”, K.Nishimura and A.Romero-Wolf for the LAPPD collaboration; Talk at TIPP 2011, Chicago IL 2011, Proceedings to be published in Physics Procedia (Elsevier), 2012; <http://psec.uchicago.edu/library/doclib/documents/161>
19. “A 4-Channel Fast Waveform Sampling ASIC in 130 nm CMOS for Front-End Readout of Large-Area Micro-Channel Plate Detectors”, E.Oberla et al., for the LAPPD collaboration; Talk at TIPP 2011, Chicago, IL 2011, <http://psec.uchicago.edu/library/doclib/documents/157> (proceedings) <http://psec.uchicago.edu/library/doclib/documents/158>
20. “20 cm Sealed Tube Photon Counting Detectors with Novel Microchannel Plates for Imaging and Timing Applications”, O.H.W. Siegmund et al. for the LAPPD collaboration; Talk at TIPP 2011, Chicago IL 2011, Proceedings to be published in Physics Procedia (Elsevier), 2012;
21. “Development of Large Area, Pico-second Resolution Photo-Detectors and associated Readout Electronics”, J.F.Genat for the LAPPD collaboration, Poster and proceedings at the Nuclear Science Symposium – Medical Imaging Conference (NSS-MIC), Valencia, Spain, Oct 2011; <http://psec.uchicago.edu/library/doclib/documents/167> (proceedings)

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22. “A 6-Channel Fast Waveform Sampling ASIC in 0.13um CMOS technology”, E.Oberla and H. Grabas for the LAPPD collaboration; Poster at IEEE NSS 2011, Valencia, Spain, Oct 2011; <http://psec.uchicago.edu/library/doclib/documents/163>
23. “Development of Large Area Photon Counting Detectors Optimized for Cherenkov Light Imaging with High Temporal and sub-mm Spatial Resolution”, O.H.W.Siegmund, et al., for the LAPPD collaboration, Talk and Proceedings at the IEEE NSS-MIC, Valencia, Spain, Oct 2011; <http://psec.uchicago.edu/library/doclib/documents/202>
24. “Novel large format sealed tube microchannel plate detectors for Cherenkov timing and imaging”, O.H.W.Siegmund, J.B.McPhate, J.V.Vallerga, A.S.Tremsin, S.R.Jelinsky, H.J.Frisch, for the LAPPD collaboration, NIM A 639 (2011) 165-168; <http://psec.uchicago.edu/library/doclib/documents/196>
25. “Atomic layer deposited borosilicate glass microchannel plates for large area event counting detectors”, O.H.W.Siegmund et al., for the LAPPD collaboration, submitted to NIM, doi:10.1016/j.nima.2011.11.022; <http://psec.uchicago.edu/library/doclib/documents/197>
26. “The Characterization of Secondary Electron Emitters For Uses in Large Area Photo-Detectors”, S.Jokela et al., for the LAPPD collaboration; 21st International Conference on the Application of Accelerators in Research and Industry (CAARI), Texas, USA, Aug 2010, AIP Conf. Proc. 1336, pp 208-212; <http://dx.doi.org/10.1063/1.3586091> <http://psec.uchicago.edu/library/doclib/documents/155>
27. “Simulation of gain and timing resolution in saturated pores”, Z.Insepov and V.Ivanov for the LAPPD collaboration; Nuclear Instruments and Methods in Physics Research A 639 (2011) 158-161 <http://psec.uchicago.edu/library/doclib/documents/154>
28. “Comparison of secondary electron emission simulation to experiment”, Z.Insepov et al., for the LAPPD collaboration; Nuclear Instruments and Methods in Physics Research A 639 (2011) 155-157 <http://psec.uchicago.edu/library/doclib/documents/153>
29. “Advances in Microchannel Plates and Photocathodes for Ultraviolet Photon Counting Detectors”, O.Siegmund et al., for the LAPPD collaboration, Talk and proceedings at the SPIE UV, X-Ray and Gamma-Ray Space Instrumentation for Astronomy XVII, San Diego, CA, Aug 2011, Proceedings of SPIE Volume 8145-19; <http://psec.uchicago.edu/library/doclib/documents/198>
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31. “Development of Large Area Fast Microchannel Plate Photodetectors”, K.Byrum for the LAPPD collaboration, Talk at the SPIE 2011, Orlando, FL, Apr 2011, Proceedings SPIE 2011, <http://psec.uchicago.edu/library/doclib/documents/190>
32. “Comparison of candidate secondary electron emission materials”, Z.Insepov, V.Ivanov, H.Frisch for the LAPPD collaboration; Nuclear Instruments and Methods in Physics Research B 268 (2010) 3315-3320 <http://psec.uchicago.edu/library/doclib/documents/152>
33. “Development of a Sampling ASIC for Fast Detector Signals”, H. Grabas, et al., for the LAPPD collaboration; Talk at “Workshop on Timing Detectors”, Krakow Poland, Dec. 2010, Acta Physica Polonica B Proceedings Supplement, Vol. 4 (2011) <http://psec.uchicago.edu/library/doclib/documents/124> (proceedings)

34. “The Development of Anodic Aluminum Oxide Based Micro-channel Plate for Large-area Photo-detector”, S.W.Lee et al., for the LAPPD collaboration, Talk at the 2010 Materials Research Society Fall Meeting, Dec, 2010, Boston, Massachusetts; Proceedings for MRSF20-2302-Y13-35.R1; <http://psec.uchicago.edu/library/doclib/documents/121>
35. “Development of Sub-Nanosecond, High Gain Structures for Time-Of-Flight Ring Imaging in Large Area Detectors”, M.Wetstein for the LAPPD collaboration, 7th International Workshop on Ring Imaging Cherenkov Detectors (RICH 2010), Cassis, France May 2010, Proceedings published in Elsevier 2010, <http://psec.uchicago.edu/library/doclib/documents/118>

### Talks and Posters (Sensors)

1. Chang C. L., “Detectors for the South Pole Telescope”, Technology and Instrumentation in Particle Physics Conference, 2011.
2. Wang G., “Superconducting Detectors”, X-ray Science Division seminar, Argonne National Laboratory, September 7, 2010.
3. Wang G.; Yefremenko V.; Novosad V.; et al., “An absorber-coupled TES bolometer for measuring CMB polarization”, Technology and Instrumentation in Particle Physics Conference, 2011.
4. “Resolution and Efficiency of Large Area Picosecond Photo-Detectors”, M.Hutchinson, May 21, 2012; Technical Note for Univ. of Chicago first year graduate course - experimental physics project. <http://psec.uchicago.edu/library/doclib/documents/188>
5. “Timing Analysis on Fast Pulses in a Picosecond Resolution Photodetector”, A.Meyer, May 21, 2012; Technical Note for Univ. of Chicago first year graduate course – experimental physics project. <http://psec.uchicago.edu/library/doclib/documents/187>
6. “Development of non-cryogenic neutrino tracking detectors: A measurement of the time resolution of MCP-based photodetectors”, A.Vostrikov, May 21, 2012; Technical Note for Univ. of Chicago first year graduate course – experimental physics project. <http://psec.uchicago.edu/library/doclib/documents/183>
7. “High Level DAQ and interactions with Device Firmware”, E.May and H.Frisch, Technical Note, Dec. 2011; <http://psec.uchicago.edu/library/doclib/documents/168>
8. “Development of a Java-Based Application to Acquire and Analyze Oscilloscope Waveform Data”, P. Drake for the LAPPD collaboration, Aug 2010, Office of Science, Student Research Participant Final Paper. <http://psec.uchicago.edu/library/doclib/documents/108>
9. “The Electrical Circuit and Internal Resistor/Capacitor Strings for Large-Area MCP-PMT’s”, H.Frisch, J.F.Genat, R.Northrop, M.Pellin, for the LAPPD collaboration, Technical Note, Jun. 2010 <http://psec.uchicago.edu/library/doclib/documents/79>
10. “Simulation Results”, G.Nettesheim for the LAPPD collaboration, Technical Note, Apr 2010. <http://psec.uchicago.edu/library/doclib/documents/76>
11. “Application of GO18-223 to B33 Borofloat Glass updated”, M.Minot for the LAPPD collaboration, Technical Note, Mar 2010, <http://psec.uchicago.edu/library/doclib/documents/73>
12. “Some Standardized Formats for End-to End MCP-PMT Simulations”, H.Frisch, et. el, for the LAPPD collaboration, Technical Note Dec 2009 <http://psec.uchicago.edu/library/doclib/documents/107>
13. “Ultrafast Large Area Vacuum Detectors Part I”, O.Siegmund, Talk at Seminario Nazionale Rivelatori Innovativi, Jun 2012, INFN Firenze, Italy, <http://psec.uchicago.edu/library/doclib/documents/193>.

14. “Ultrafast Large Area Vacuum Detectors Part II”, O.Siegmund, Talk at Seminario Nazionale Rivelatori Innovativi, Jun 2012, INFN Firenze, Italy, <http://psec.uchicago.edu/library/doclib/documents/194>
15. “Performance of Microchannel Plates Fabricated Using Atomic Layer Deposition”, A. Elagin, Talk, SORMA West Conference, Oakland, CA, May 2012, <http://psec.uchicago.edu/library/doclib/documents/186>
16. “Development of Bialkali Transfer Photocathodes for Large Area Micro-Channel Plate Based Photo-Detectors”, J.Xie, Talk, SORMA West Conference, Oakland, CA, May 2012, <http://psec.uchicago.edu/library/doclib/documents/185>
17. “The Large Area Picosecond Photo-Detector (LAPPD) Project”, G.Varner for the LAPPD collaboration, Invited APS Talk, Atlanta, Georgia, March 2012, <http://psec.uchicago.edu/library/doclib/documents/175>
18. “Development of Large-Area Fast Micro-channel Plate Photo-detectors”, M.Demartean for the LAPPD collaboration, CLASS 12, RICH Workshop Jefferson National Laboratory, Nov 2011
19. “Advances in Microchannel Plates for Sealed Tube Detectors”, O.Siegmund for the LAPPD collaboration, Talk at Light11 Workshop at Tegernsee, Germany; Oct/Nov 2011; <http://psec.uchicago.edu/library/doclib/documents/201>
20. “Visualization of Structure and Composition During Photocathode Growth”, K.Attenkofer et. el, for the LAPPD collaboration; Talk at Light11 Workshop at Tegernsee, Germany; Oct/Nov 2011; <http://psec.uchicago.edu/library/doclib/documents/171>
21. “Large Size MCP-Based Sensors with Ultra-fast Timing”, H.Frisch for the LAPPD collaboration, Talk at Light11 Workshop at Tegernsee, Germany; Oct/Nov 2011; <http://psec.uchicago.edu/library/doclib/documents/204>
22. “Development of a Lower Cost Large Area MCP Photodetector”, R.G.Wagner for the LAPPD collaboration, Talk at Light11 Workshop at Tegernsee, Germany; Oct/Nov 2011;
23. “Advances in Microchannel Plates and Photocathodes for Ultra Violet Photon Counting Detectors”, O.Siegmund et. el, for the LAPPD collaboration, Talk at SPIE San Diego, Aug 2011, <http://psec.uchicago.edu/library/doclib/documents/150>
24. “Atomic Deposited Borosilicate Glass Microchannel Plates for Large Area Event Counting Detectors”, O.Siegmund for the LAPPD collaboration, Talk at 6th International Conference on New Developments in Photon Detection (NDIP2011), Lyon, France Jul 2011 <http://psec.uchicago.edu/library/doclib/documents/199>
25. “A New Approach to Photocathode Development: From the Recipe to Theory Inspired Design”, K. Attenkofer for the LAPPD collaboration, Talk at NDIP 2011, Lyon France, Jul, 2011; <http://psec.uchicago.edu/library/doclib/documents/200>
26. “Considerations about Large area – Low cost Fast Imaging Photo-detectors”, J.F.Genat for the LAPPD collaboration, Talk at the “Workshop on Timing Detectors”, Krakow, November 2010 <http://psec.uchicago.edu/library/doclib/documents/151>
27. “A 20 GS/s sampling ASIC in 130nm CMOS technology”, J.F. Genat, et al., for the LAPPD collaboration, Talk at Topical Workshop on Electronics for Particle Physics (TWEPP-10), Aachen, Germany, Sep 2010 <http://psec.uchicago.edu/library/doclib/documents/117>
28. “Progress Report on Tracking Algorithms in LBNE”, M. Wetstein for the LAPPD collaboration, Talk at the LBNE collaboration meeting, Sept 2010. <http://psec.uchicago.edu/library/doclib/documents/116>

29. “R&D for Large Area Photo-Detectors”, K. Byrum for the LAPPD collaboration, Poster at “DOE sponsored science and research symposium” for 150 of the brightest DOE graduate fellows in the nation, Argonne National Lab, Aug 2010, <http://psec.uchicago.edu/library/doclib/documents/192>
30. “Sub-nanosecond Timing for In-Beam PET in Hadron Therapy”, B. Joly for the LAPPD collaboration, Talk at Chicago Hospital, July 2010, <http://psec.uchicago.edu/library/doclib/documents/103>
31. “Novel large format sealed tube microchannel plate detectors for Cherenkov timing and imaging”, O. Siegmund for the LAPPD collaboration, Poster at 7th International Workshop on Ring Imaging Cherenkov detectors (RICH 2010), Cassis, France May 2010
32. “Signal and Noise Characterization of MCP-PMT’s”, J.F. Genat for the LAPPD collaboration, Talk given at LPC Clermont-Ferrand, Jan 2010, <http://psec.uchicago.edu/library/doclib/documents/94>
33. “Development of Large Area Fast Microchannel Plate Photodetectors”, R.G. Wagner for the LAPPD collaboration, Talk given at SORMA conference, Ann Arbor, MI, May 2010 <http://psec.uchicago.edu/library/doclib/documents/83>
34. “Large Area Photodetector Development: Project Status”, R.G. Wagner for the LAPPD collaboration, Talk given at the Fast Timing Workshop, Clermont, France, Jan 2010 <http://psec.uchicago.edu/library/doclib/documents/82>
35. “The Development of Large-Area Fast Planar Photodetectors”, H. Frisch for the LAPPD collaboration, Talk given at Brookhaven National Laboratory Colloquium, May 2010, <http://psec.uchicago.edu/library/doclib/documents/74>
36. “Large Area Photodetector Development Project at SSL”, O. Siegmund for the LAPPD collaboration, Talk at SLAC Seminar series, Dec 2009, SLAC, CA, <http://psec.uchicago.edu/library/doclib/documents/195>
37. “Large Area Photo Detectors”, K. Byrum for the LAPPD collaboration, Talk given at Cherenkov Telescope Array (CTA) collaboration meeting, Zurich, Switzerland, Oct 2009, <http://psec.uchicago.edu/library/doclib/documents/191>
38. “Sampling front-ends Chips for Pico-second Timing with Micro-Channel Plate devices”, J.F. Genat for the LAPPD collaboration, Talk given at Research Techniques Seminar, Fermilab, Dec 2009, <http://psec.uchicago.edu/library/doclib/documents/96>

### DAQ and Electronics

1. “Modulator-Based, High Bandwidth Optical Links for HEP Experiments” D. Underwood, G. Drake, W. Fernando, R. Stanek, Real Time Conference proceedings, June 11, 2012 (to be published).
2. “Optical Data Links - Technology for Reliability and Free Space Links”, W. Fernando, R. Stanek, and D. Underwood, Physics Procedia, TIPP11-D-11-00045, Sep 14, 2011.
3. “New Optical Link Technologies for HEP Experiments”, W. Fernando, R. Stanek, and D. Underwood, Meeting of the Division of Particles and Fields of American Physical Society, Brown University, August 2011, arXiv:1109.6842v1.
4. “Optical Data Links – Technology for Reliability and Free Space Links”, Physics Procedia, TIPP11-D-11-00045, (2012).
5. “Development of Low Mass Optical Readout for High Data Bandwidth Systems”, D. Underwood, P. DeLurgio, G. Drake, W. Fernando, D. Lopez, B. Salvachua-Ferrando, and R. Stanek, IEEE Nuclear Science Symposium Conference Record (NSS/MIC), 624 - 629, 2010.

6. “New optical technology for low mass intelligent trigger and readout”, D. Underwood, B Salvachu-Ferrando, R Stanek, D Lopez, J Liu, J Michel and L C Kimerling, 2010 JINST 5 C07011, 10.1088/1748-0221/5/07/C07011.
7. “Field Tests of a New High-Speed Pattern Recognition Trigger for Ground-Based Gamma-Ray Telescope Arrays”, J.T.Anderson, K.Byrum, G.Drake, A.Kreps, F.Krennrich, M.Schroedter, A.W.Smith, Talk and proceedings at IEEE Symposium Oct 2009, Orlando, Florida, <http://www.hep.anl.gov/byrum/trigger/upgradeL2/topowiki/N10-002.pdf>
8. “Upgrade plans for VERITAS”, B.Zitzer for the VERITAS Collaboration, Talk at TIPP 2011, Chicago, IL 2011, Proceedings to be published in Physics Procedia (Elsevier), 2012; [http://byrum/trigger/upgradeL2/topowiki/Zitz\\_TIPP\\_Proceedings\\_VERITAS\\_upgrade\\_draft\\_4.pdf](http://byrum/trigger/upgradeL2/topowiki/Zitz_TIPP_Proceedings_VERITAS_upgrade_draft_4.pdf)

### Talks and Posters (DAQ and Electronics)

1. “Modulator-Based High Bandwidth Optical Links for TileCal Upgrade”, W. Fernando, R. Stanek, and D. Underwood, ATLAS TileCal Upgrade Week, June 1, 2012.
2. “Using Modulators For Off-detector Transmission”, W. Fernando, R. Stanek, and D. Underwood, ATLAS Upgrade Week, Stanford, March 26, 2012.
3. US Institutions Optical Collaboration Talk – Fermilab Jan. 2011.
5. “Overview of an Array Trigger for CTA”, G.Drake, Talk at CTA Collaboration Meeting, Amsterdam, NE May 2012, [http://www.hep.anl.gov/byrum/agis/talks/120514\\_cta\\_drake\\_trig\\_overview\\_v3.pdf](http://www.hep.anl.gov/byrum/agis/talks/120514_cta_drake_trig_overview_v3.pdf)
6. “Commissioning and Performance of a Fast Level-2 Trigger System at VERITAS”, J.Anderson, K.Byrum, G.Drake, F.Krennrich, A.Kreps, M.Oberling, M.Orr, S.Schroedter, A.Weinstein, B.Zitzer, Poster by J.Anderson and proceedings at 2012 IEEE-NPSS Real Time Conference, Jun 2012, Berkeley, CA <http://www.hep.anl.gov/byrum/agis/posters/RT2012poster.pdf>

### Detector Systems

1. “Mechanical Design of a Medium-Size Telescope for CTA”, E.Davis, V.Guarino (ANL,USA); S.Cazaux, P.Micolon, B.Peyaud (CEA, France); J.Bahu, R.Heller, G.Hughes, C.Martens, D.Naumann, R.Platzer, E-O.Saemann, S.Schlenstedt, J.Schultze, R.Sternberger (DESY, Germany); A.Bonardi, G.Puhlhofer (Univ. Tubingen, Germany); A.Gadola, S.Steiner (Univ. Zurich, Switzerland), Feb 2011
2. “Measurement of Positron Showers with a Digital Hadron Calorimeter”, B. Bilki et al., arXiv:0902.1699. 2009 JINST **4** P04006.
3. “Measurement of the Rate Capability of Resistive Plate Chambers”, B. Bilki et al., arXiv:0901.4371. 2009 JINST **4** P06003.
4. “Response of the CALICE Si-W Electromagnetic Physics Prototype to Electrons”, Nucl.Instrum.Meth. **A608** (2009) 372-383
5. “Hadron Showers in a Digital Hadron Calorimeter”, B. Bilki et al., arXiv:0908.4236. 2009 JINST **4** P10008.
6. “Environmental Dependence of the Performance of Resistive Plate Chambers”, Q. Zhang et al., arXiv:0911.1351. 2010 JINST **5** P02007.
7. “The International Large Detector: Letter of Intent”, T.Abe et al., JINST 5 (2010) P05007.
8. “SiD Letter of Intent”, H. Aihara et al., arXiv:0911.0006.

9. “Construction and Commissioning of the CALICE Analog Hadron Calorimeter Prototype”, C. Adloff et al., arXiv:1003.2662, JINST **5** (2010) P05004.
10. “CALICE Report to the DESY Physics Research Committee”, C. Adloff et al., arXiv:1003.1394
11. “Effects of High-Energy Particle Showers on the Embedded Front-end Electronics of an Electromagnetic Calorimeter for a Future Lepton Collider”, C. Adloff et al., Nucl. Instr. Meth. **A654**, 97, 2011.
12. “Electromagnetic Response of a Highly Granular Hadronic Calorimeter”, C. Adloff et al., 2011 JINST **6** P04003.
13. “Study of Interactions of Pions in the CALICE Silicon-Tungsten Calorimeter Prototype”, arXiv:1004.4996, JINST **5** (2010) P05007.

### Talks and Posters Detector Systems

1. V. Guarino, “The Advanced Gamma-ray Imaging System – Telescope Mechanical and Optical System Design”, poster at HEAD 2010, Big Island, Hawaii, Mar 2010.
2. V. Guarino, “Dish and Counterweight Design”, talk at MST Design Review, Berlin, Germany Feb 2011.
3. K. Byrum, “Telescope Designs”, talk at CTA-US Collaboration meeting, Barnard Univ., NY Feb 2011.
4. V. Guarino, “Telescope Design Overview”, talk at CTA-US Collaboration meeting, SLAC Feb 2012.
5. V. Guarino, “Adapting the DESY Drive System to SC Designs”, talk at CTA-US Collaboration meeting, SLAC Feb 2012.
6. “Tests of a Digital Hadron Calorimeter”, J. Repond, J. Phys. Conf. Ser. **160**:012066, 2009.
7. “The International Linear Collider and its Detectors”, J. Repond, BPL, **16** (1), 296 (2009).
8. “Tests of a Digital Hadron Calorimeter”, B. Bilki et al., arXiv:1005.0409. Proceedings of the ILCWS10 Workshop, Beijing, People's Republic of China (2010).
9. “Construction a Digital Hadron Calorimeter”, J. Repond, arXiv:1005.0410. Proceedings of the ILCWS10 Workshop, Beijing, People's Republic of China (2010).
10. “Overview of the DHCAL Project”, J. Repond, arXiv:1005.0412. Proceedings of the ILCWS10 Workshop, Beijing, People's Republic of China (2010).
11. “Tests of a Digital Hadron Calorimeter”, B. Bilki et al., J. Phys. Conf. Ser. **293**:012075, 2011.
12. “Digital HCal Electronics: Status of Production”, G. Drake and J. Repond, J. Phys. Conf. Ser. **293**:012014, 2011.
13. “CALICE Prototype Calorimeters for Linear Collider Detectors”, L. Xia, XXI<sup>st</sup> International Europhysics Conference on High Energy Physics, Grenoble, France (2011).
14. “Imaging Calorimeters”, L. Xia, TIPP 2011, 2nd International Conference on Technology and Instrumentation in Particle Physics, Chicago, IL (2011).
15. “Design, Construction and Testing of the Digital Hadron Calorimeter”, K. Francis, TIPP 2011, 2<sup>nd</sup> International Conference on Technology and Instrumentation in Particle Physics, Chicago, IL (2011).
16. “Test of a Digital Hadron Calorimeter (DHCAL) Prototype with Muons, J. Repond, TIPP 2011, 2nd International Conference on Technology and Instrumentation in Particle Physics, Chicago, IL (2011).

17. “DHCAL Response to Positrons and Pions”, B. Bilki, TIPP 2011, 2nd International Conference on Technology and Instrumentation in Particle Physics, Chicago, IL (2011).
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