



AGENDA



Wednesday — June 8, 2011

DPF Instrumentation Task Force meeting

Mayfair Room (16:00-18:00)

organized by the DPF Instrumentation Task Force to discuss the US national program on instrumentation in high energy physics

18:00-20:00 Registration — Ballroom Promenade

Thursday — June 9, 2011

07:30-08:30 Registration — Promenade

08:30-09:00 Opening Speech — Chicago Ballrooms 8, 9, 10
Dr. DEMARTEAU, Marcel

09:00-09:45 Innovation: How It Happens — Chicago Ballrooms 8, 9, 10
Dr. BRINKMAN, Bill

09:45-10:30 Extremes of Electronics — Chicago Ballrooms 8, 9, 10
Dr. BERNSTEIN, Kerry

11:00-11:45 The LHC Detectors: Marvels of Technology — Chicago Ballrooms 8, 9, 10
Dr. BERTOLUCCI, Sergio

11:45-12:30 Detectors for Cosmology — Chicago Ballrooms 8, 9, 10
Prof. CARLSTROM, John

12:45-14:00 DPF Instrumentation Taskforce Town Hall meeting — Mayfair Room
DPF task force

Astrophysics and Space Instr. — Chicago Ballroom 9

14:00-15:30 Conveners: Kusaka, Akito; Siegmund, Oswald

14:00 [280] Detectors for the South Pole Telescope
Dr. CHANG, clarence

14:30 [437] Superconducting Detectors and Multiplexed SQUID Readout Systems for CMB Polarimetry
Dr. NIEMACK, Michael

14:50 [501] Development of Superconducting Detectors for Measurements of Cosmic Microwave Background and Other Applications.
Mr. MIMA, Satoru

15:10 [36] The QUIET Pseudo Correlation Polarimetry for Measuring the CMB polarization
Dr. NGUYEN, Hogan

Calorimetry — Ontario

- 14:00-15:30 Conveners: T. Takeshita; Repond, Jose
- 14:00 [201] Crystal Calorimetry for the Next Decade
Dr. REN-YUAN, Zhu
- 14:30 [511] Imaging Calorimeters
XIA, Lei
- 15:00 [510] Dual Readout Calorimetry
Mr. PARA, Adam
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Detector for Neutrinos — Superior A

- 14:00-15:30 Conveners: Prof. Ereditato, Antonio; Soderberg, Mitchell
- 14:00 [270] The T2K Pi Zero Detector
Prof. BUCHANAN, Norm
- 14:20 [52] Initial Performance from the NOvA Surface Prototype Detector
MUETHER, Mathew
- 14:40 [14] High Voltage system for the Double Chooz experiment
Mr. SATO, Fumitaka
- 15:00 [376] Assembly and Installation of the Daya Bay Antineutrino Assembly
and Installation of the Daya Bay Antineutrino Detectors
Dr. BAND, Henry
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Experimental Detector Systems: Other Collider Detectors — Chicago Ballroom 8

- 14:00-15:30 Conveners: Cattai, Ariella; Prof. Junji, Haba
- 14:00 [113] The Belle II detector
VARNER, Gary
- 14:30 [121] Overview of the PANDA experiment
SMYRSKI, Jerzy
- 15:00 [361] The LHCb upgrade
Dr. GALLAS TORREIRA, Abraham Antonio
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Gaseous Detectors — Erie

- 14:00-15:30 Conveners: Colas, Paul; Kobayashi, Makoto
- 14:00 [368] The RD51 Collaboration for the Development of Micro-Pattern Gas Detectors
COLAS, Paul
- 14:30 [44] New developments of microbulk Micromegas detectors
Mr. IGUAZ GUTIERREZ, Francisco Jose



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- 14:50 [42] GEM-MIGAS gain optimisation for high pressure operation in CF₄ and He/CF₄ mixtures
CONCEIÇÃO, Ana
- 15:10 [226] Study of the ageing properties of construction materials for High Rate Gas Detectors
Mr. ABUHOZA, Alhussain

Instr. for Medical, Biological and Materials Res. — Huron

- 14:00-15:30 Conveners: Chen, Chin-Tu
- 14:00 [505] Full Field Imaging at the Advanced Photon Source
LEE, Wah-Keat
- 14:30 [80] DSSC — an X-ray Imager with Mega-Frame Readout Capability for the European XFEL
ANDRICEK, Ladislav
- 14:50 [271] Development of high speed, radiation hard CMOS monolithic pixels for high resolution Transmission Electron Microscopy
Dr. CONTARATO, Devis
Machine Det. Interface and Beam Instr. — Superior B

Machine Det. Interface and Beam Instr. — Superior B

- 14:00-15:30 Conveners: Cummings, Mary Anne
- 14:00 [500] Diamonds for Beam Instrumentation
GRIESMEYER, Erich
- 14:30 [483] Dielectric Collimators for Beam Delivery Systems
KANAREYKIN, Alexei
- 14:50 [378] The Beam Conditions and Radiation Monitoring System of CMS — Description and Performance of Subsystems
Dr. LANGE, Wolfgang
- 15:10 [464] Beam Conditions Monitoring in ATLAS
FISHER, Matthew James

Semiconductor Detectors — Chicago Ballroom 10

- 14:00-15:30 Conveners: Beole, Stefania; Prof. Mikuz, Marko
- 14:00 [301] Silicon sensor technologies for ATLAS IBL upgrade
Dr. GRENIER, Philippe
- 14:20 [107] Silicon sensor R for an upgraded CMS Tracker in HL-LHC
Dr. CIHANGIR, Selcuk
- 14:40 [31] Silicon Strip Detectors for the ATLAS sLHC Upgrade
Dr. AFFOLDER, Anthony
- 15:00 [33] Performance of Silicon n-in-p Pixel Detectors irradiated up to 5E15 n eq. /cm**2 for the future ATLAS Upgrades
Dr. MACCHIOLO, Anna

Trigger and DAQ Systems — Mayfair

- 14:00-15:30 Conveners: Kim, Young-Kee
- 14:00 [20] ATLAS TDAQ system: current status and performance
BALLESTRERO, Sergio
- 14:30 [191] Design, Implementation and Performance of the LHCb Online system
JOST, Beat
- 15:00 [194] The new frontier of the DATA acquisition using 1 and 10 Gb/s Ethernet links.
Dr. COSTA, Filippo
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Astrophysics and Space Instr. — Chicago Ballroom 9

- 16:00-17:50 Conveners: Kusaka, Akito; Siegmund, Oswald
- 16:00 [348] Progress in Development of a Monolithic Active Pixel Detector for X-ray Astronomy with SOI CMOS Technology
Mr. NAKASHIMA, Shinya
- 16:20 [263] Electron Tracking Compton Camera with Balloon Borne Experiment for Celestial and Terrestrial MeV gamma-ray Observations in the North Pole
Prof. TANIMORI, Toru
- 16:40 [365] Development of New Data Acquisition System for Nearby Supernova Bursts at Super-Kamiokande
Dr. TOMURA, Tomonobu
- 17:00 [216] Probes of fundamental microphysics using intense photon beams
CHOU, Aaron
- 17:30 [459] Seismic attenuation technology for the advanced Virgo gravitational wave detector
BEKER, Mark
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Calorimetry — Ontario

- 16:00-18:00 Conveners: T. Takeshita; Repond, Jose
- 16:00 [146] The Electromagnetic Calorimeter of T2K's Near Detector
Dr. SACCO, Roberto
- 16:20 [154] Design and performance of the integrator based read-out in Tile Calorimeter of the ATLAS experiment
GONZALEZ PARRA, Garoe
- 16:40 [152] The ATLAS Tile Hadronic Calorimeter performance in the LHC collision era
SUCCURRO, Antonella
- 17:00 [155] Calibration of the ATLAS hadronic barrel calorimeter TileCal using 2008, 2009 and 2010 cosmic rays data
Mr. WENG, Zhili



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- 17:20 [153] Laser calibration system for TileCal sub-detector
GIANGIOBBE, Vincent Francois
- 17:40 [59] The Large Angle Photon Veto System for the NA62 Experiment at CERN
PALLADINO, Vito

Detector for Neutrinos — Superior A

- 16:00-18:00 Conveners: Prof. Ereditato, Antonio; Soderberg, Mitchell
- 16:00 [367] The ICARUS T600 detector at LNGS underground laboratory
Dr. CANCI, Nicola Dr. VIGNOLI, Chiara
- 16:20 [125] A global R program on liquid Ar Time Projection Chambers under execution at the University of Bern
MESSINA, Marcello
- 16:40 [297] Some work on Liquid Argon at Fermilab :
PORDES, stephen
- 17:00 [422] Designs of Large Liquid Argon TPCs --- from MicroBooNE to LBNE LAr40
Dr. YU, Bo
- 17:20 [412] Membrane cryostat technology and prototyping program towards kton scale Neutrino detectors
Mr. RUCINSKI, Russell
- 17:40 [223] Front End Readout Electronics of the MicroBooNE Experiment
Dr. CHEN, Hucheng

Experimental Detector Systems: LHC Collider Detectors — Chicago Ballroom 8

- 16:00-17:30 Conveners: Cattai, Ariella; Prof. Junji, Haba
- 16:00 [266] Upgrade of the ALICE Detector
Dr. RIEDLER, Petra
- 16:30 [523] ATLAS : status, limitations and upgrade plans
Prof. KAWAMOTO, Tatsuo
- 17:00 [497] CMS: present status, limitations and upgrade plans
Dr. CHEUNG, Harry

Front-end Electronics — Erie

- 16:00-18:00 Conveners: Moser, Hans-Günther; Wang, Zheng
- 16:00 [242] Recent developments of HEP pixel detector readout chips
Dr. CAMINADA, Lea Michaela
- 16:30 [161] Advanced pixel sensors and readout electronics based on 3D integration for the SuperB Silicon Vertex Tracker
RE, Valerio

Agenda

- 17:00 [183] Continuous Acquisition Pixel 12: Hexagonal Pixels in SOI Technology
COONEY, Michael
- 17:20 [369] The TDCpix readout ASIC: a 75 ps resolution timing front-end for the Gigatracker of the NA62 experiment
Dr. AGLIERI RINELLA, Gianluca
- 17:40 [441] A High-speed Adaptively-biased Current-to-current Front-end for SSPM Arrays
ZHENG, Bob
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Instr. for Medical, Biological and Materials Res. — Huron

- 16:00-18:00 Conveners: Kao, Chien-Min
- 16:00 [428] A high-resolution PET demonstrator using a silicon “magnifying glass”
CLINTHORNE, Neal
- 16:20 [116] Study of TOF PET using Cherenkov Light
Prof. KORPAR, Samo
- 16:40 [300] An Application of Micro-channel plate photomultiplier tube to Positron Emission Tomography
Dr. KIM, Heejong
- 17:00 [440] Study of Highly Pixilated CdZnTe Detector for PET applications
KOMAROV, Sergey
- 17:20 [468] Ultrahigh Resolution CZT/CdTe Detectors with a Hybrid Pixel-Waveform Readout System
Prof. MENG, Ling-Jian
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Particle ID Detectors — Superior B

- 16:00-18:00 Conveners: Toru Iijima
- 16:00 [9] THE NA62 RICH DETECTOR
PEPE, Monica
- 16:20 [102] The Ring Imaging Cherenkov detectors of the LHCb experiment
PEREGO, Davide
- 16:40 [104] Performance of the RICH detectors of LHCb
Dr. PAPANESTIS, Antonis
- 17:00 [221] Recent Progress in Silica Aerogel Cherenkov Radiator
Dr. TABATA, Makoto
- 17:20 [345] Applications of Fast Time-of-Flight Detectors
NOTANI, Masahiro
- 17:40 [56] The Instrumented Flux Return detector of the SuperB project: R & D studies and first results of the Fermilab Beam Test.
Dr. BALDINI, Wander



Semiconductor Detectors: Overview Session — Chicago Ballroom 10

- 16:00-17:50 Conveners: Collins, Paula; Riedler, Petra
- 16:00 [527] Semiconductor Detectors Overview
CHRISTIAN, David
- 16:35 [203] Silicon for High-Luminosity Tracking Detectors — Recent RD50 Results
PARZEFALL, Ulrich
- 17:10 [528] Future of pixels in non HEP
VAN DER GRAAF, Harry

Trigger and DAQ Systems — Mayfair

- 16:00-18:00 Conveners: Rajagopalan, Srin
- 16:00 [158] Implementation and performance of the signal reconstruction in the ATLAS Hadronic
Tile Calorimeter
VALERO, Alberto
- 16:30 [373] Calibration and performance of the ATLAS Level-1 Calorimeter Trigger with LHC collision data
WESSELS, Martin
- 17:00 [73] Operation and Performance of the CMS Level-1 Trigger during 7 TeV Collisions
KLABBERS, Pamela Renee
- 17:30 [386] Software and Hardware R for CMS Trigger and Readout Upgrades
Dr. FRAZIER, Robert

Homage to Georges Charpak — Chicago Ballrooms 8, 9, 10

- 18:15-19:15 Contributions from Leon Lederman, Stan Majewski, Nick Solomey, Ioannis Giomataris
- 18:15 [515] Contribution from Leon Lederman
LEDERMAN, Leon
- 18:30 [516] Contribution from Stan Majewski
MAJEWSKI, Stan
- 18:45 [517] Contribution from Nick Solomey
SOLOMEY, Nick
- 19:00 [518] Contribution from Ioannis Giomataris
Mr. GIOMATARIS, Ioannis

Friday — June 10, 2011

- 08:30-09:15 Neutrino Physics and Detectors — Chicago 8, 9, 10
Prof. WANG, Yifang
- 09:15-10:00 Direct Dark Matter Physics and Detectors — Chicago 8, 9, 10
Prof. CUSHMAN, Prisca
- 10:30-11:15 Indirect Dark Matter Physics and Detectors — Chicago 8, 9, 10
Prof. BUCKLEY, Jim
- 11:15-12:00 Rare Decay Experiments — Chicago 8, 9, 10
Prof. KUNO, Yoshi
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Dark Matter Detectors — Chicago Ballroom 10

- 14:00-15:30 Conveners: Hall, Jeter; Hoffman, Kara
- 14:00 [99] DAMA/LIBRA at Gran Sasso
Dr. CERULLI, Riccardo
- 14:30 [164] DM-Ice: a direct detection experiment for dark matter at the South Pole
MARUYAMA, Reina
- 15:00 [524] A testable conventional hypothesis for the DAMA-LIBRA annual modulation
NYGREN, David
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Detector for Neutrinos — Superior A

- 14:00-15:30 Conveners: Prof. Ereditato, Antonio; Soderberg, Mitchell
- 14:00 [78] The near neutrino detector complex of the T2K experiment
RETIERE, Fabrice
- 14:30 [111] Status of Hyper-Kamiokande detector R&D
Prof. YOKOYAMA, Masashi
- 15:00 [424] Station electronics for the Askaryan Radio Array testbed and first prototype
Dr. ALLISON, Patrick
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Experimental Detector Systems — Chicago Ballroom 8

- 14:00-15:20 Conveners: Kawamoto, Tatsuo
- 14:00 [484] Status of the CMS detector
Prof. FOCARDI, Ettore
- 14:20 [123] Alignment of the Muon Spectrometer in ATLAS
AEFSKY, Scott Alan
- 14:40 [494] Experiences with the Muon Alignment Systems of the Compact Muon Solenoid Detector
BENI, Noemi
- 15:00 [489] Upgrade of the CMS Hadron Outer Calorimeter with SIPMs
ANDERSON, Jake
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Front-end Electronics — Erie

- 14:00-15:30 Conveners: Walder, J.P.
- 14:00 [355] HIPPO, a Flexible Front-End Signal Processor for High-Speed Image Sensor Readout
Dr. GRACE, Carl
- 14:30 [131] Deeper Sampling CMOS Transient Waveform Recording ASICs
Prof. VARNER, Gary
- 14:50 [219] A 4-Channel Waveform Sampling ASIC using 130nm CMOS technology
OBERLA, Eric GRABAS, Herve
- 15:10 [106] SPACIROC: A Front-End Readout ASIC for JEM-EUSO cosmic ray observatory
Mr. AHMAD, Salleh

Gaseous Detectors — Ontario

- 14:00-15:30 Conveners: Kobayashi, Makoto
- 14:00 [352] Development of two-dimensional gaseous detector for energy-selective neutron radiography
UNO, Shoji
- 14:30 [150] Development of gaseous photomultipliers with Micro Pattern Gas Detectors
Mr. MATSUMOTO, Kohei
- 14:50 [139] CAST micromegas background in the Canfranc Underground Laboratory
TOMAS ALQUEZAR, Alfredo
- 15:10 [303] Design and construction of a cylindrical GEM detector as Inner Tracker device at KLOE-2
MORELLO, Gianfranco

Instr. for Medical, Biological and Materials Res. — Superior B

- 14:00-15:30 Conveners: P.Weilhammer
- 14:00 [526] TIPP for Medical Applications
CHEN, Chin-Tu
- 14:30 [95] The upstream detectors of the FIRST experiment at GSI
Dr. PIERSANTI, Luca Dr. PAOLONI, Alessandro
- 14:50 [232] R on detector of next generation for the Proton Computed Tomography
Mr. RYKALIN, Victor
- 15:10 [405] High-Resolution Photon Counting Detector using Solid-State Photomultipliers
SABET, Hamid

Machine Det. Interface and Beam Instr. — Huron

- 14:00-15:30 Conveners: Dr. Scarpine, Victor
- 14:00 [488] Beam Loss Monitoring for LHC Machine Protection
Dr. HOLZER, Eva Barbara
- 14:30 [204] R of scCVD diamond Beam Loss Monitors for the LHC at ultra-cold temperatures
Mr. JANSEN, Hendrik
- 14:50 [429] Cryogenic Loss Monitors with FPGA TDC Signal Processing
WARNER, Arden
- 15:10 [240] Measuring polarization of proton beams with silicon detectors at RHIC (BNL)
SMIRNOV, Dmitri
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Semiconductor Detectors — Chicago Ballroom 9

- 14:00-15:30 Conveners: Riedler, Petra; Macchiolo, Anna
- 14:00 [299] Mechanical design of the PHENIX VTX and FVTX vertex detectors
Mr. SONDHEIM, Walter
- 14:20 [55] Results from the NA62 Gigatracker prototype: a low-mass and sub-ns time resolution
silicon pixel detector
Dr. FIORINI, Massimiliano
- 14:40 [147] The LHCb VELO Upgrade
HYNDS, Daniel
- 15:00 [76] High Precision Vertexing at the Belle-II Experiment
Dr. NINKOVIC, Jelena
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Trigger and DAQ Systems — Mayfair

- 14:00-15:30 Conveners: Ristori, Luciano
- 14:00 [21] The ATLAS Trigger System in 2010 LHC proton-proton collisions
RAJAGOPALAN, Srin
- 14:40 [474] The LHCb Trigger: present and future.
AAIJ, Roel
- 15:10 [45] Resource utilization of the ATLAS High Level Trigger during 2010 LHC running
OSPANOV, Rustem



Calorimetry — Ontario

- 16:00-17:40 Conveners: T. Takeshita; Repond, Jose
- 16:00 [225] Total Absorption Dual Readout Calorimetry R&D
BILKI, Burak
- 16:20 [34] ADRIANO: A Dual-readout Integrally Active Non-segmented Option for future colliders
Dr. GATTO, Corrado
- 16:40 [174] Total Measurement Calorimetry
Dr. TAKESHITA, Tohru
- 17:00 [398] Polarization as a Tool in Calorimetry
Prof. AKCHURIN, Nural
- 17:20 [433] Scintillator-based muon detector/tail catcher with SiPM readout
Prof. PAULETTA, G.

Dark Matter Detectors — Chicago Ballroom 10

- 16:00-17:50 Conveners: Hall, Jeter; Hoffman, Kara
- 16:00 [392] Depleted Argon from Underground Sources
Dr. BACK, Henning
- 16:20 [396] Fluorescence Efficiency and Visible Re-emission Spectrum of Tetraphenyl Butadiene Films at Extreme Ultraviolet Wavelengths
Dr. GEHMAN, Victor
- 16:40 [281] QUPID readout system and operation in Noble Liquid
Dr. BELTRAME, Paolo
- 17:00 [291] WArP R: Demonstration and comparison of photomultiplier tubes operation at liquid Argon Temperature
Dr. SEGRETO, Ettore
- 17:15 [305] Test of a new Fast Waveform Digitizer for PMT signal read-out from liquid Argon Dark Matter detectors
Dr. SZELC, Andrzej
- 17:30 [304] WArP R: Neutron to Gamma Pulse Shape Discrimination in Liquid Argon Detectors with HQE PMTs
Dr. CANCI, Nicola

Front-end Electronics — Erie

- 16:00-17:30 Conveners: Arai, Yasuo
- 16:00 [187] Readout Electronics for the ATLAS LAr Calorimeter at HL-LHC
CHEN, Hucheng
- 16:30 [193] A correlation-based timing calibration and diagnostic technique for fast digitizing ASICs
Dr. NISHIMURA, Kurtis
- 16:50 [214] Multipurpose Test Structures and Process Characterization using 0.13 μ m CMOS: The CHAMP ASIC.
COONEY, Michael
- 17:10 [184] Upgrade Design of TileCal Front-end Readout Electronics and Radiation Hardness Studies
TANG, Fukun
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Instr. for Medical, Biological and Materials Res. — Superior B

- 16:00-17:50 Conveners: Mr. LE DU, Patrick
- 16:00 [506] Photon Counting with Arrays of Fully Digital SiPMs – Performance Data, Applications and Comparison to Analogue SiPM's
HAEMISCH, York
- 16:30 [460] A Summary of Timing Measurements at Fermilab for TOF-PET
Dr. RAMBERG, Erik Ramberg
- 16:50 [175] Study of TOF-PET performance
Dr. TAKESHITA, Tohru
- 17:10 [481] Optimization of the SiPM Pixel Size for a Monolithic PET Detector
Xi, Daoming
- 17:30 [479] Initial Results of an LYSO/SiPM PET Insert for Small Animal PET/MRI
Mr. ZHU, Jun
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16:00-19:00 **Lecture Course: Silicon Detectors — Chicago Ballroom 8**

- 16:00 [529] Silicon Detectors
HABER, Carl
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16:00-19:00 **Lecture Course: Neutrino Detectors — Superior A**

- 16:00 [530] Neutrino Detectors
SANCHEZ, Mayly



Machine Det. Interface and Beam Instr. — Huron

- 16:00-17:30 Conveners: Wendt, Manfred
- 16:00 [404] Beam Profile Monitor Instrumentation in the Fermilab M-Test Beam
Mr. TASSOTTO, Gianni
- 16:20 [401] Transverse Beam Shape Measurements of Intense Proton Beams using Optical Transition Radiation
Dr. SCARPINE, Victor
- 16:40 [354] NuMI Primary Beam Monitoring
JENSEN, Douglas

Photon Detectors — Chicago Ballroom 9

- 16:00-17:30 Conveners: Nakaya, Tsuyoshi
- 16:00 [475] Recent progress in vacuum photon detectors from Hamamatsu
Mr. YOSHIZAWA, Yuji
- 16:25 [159] Development of Ring Imaging Cherenkov counter for Belle II experiment at super KEKB
Mr. IWATA, Shuichi
- 16:50 [228] Development of large-aperture Hybrid Avalanche Photo-Detector
ABE, Toshinori
- 17:10 [257] Characterization of the QUartz Photon Intensifying Detector (QUPID)
Mr. TEYMOURIAN, Artin

Trigger and DAQ Systems — Mayfair

- 16:00-18:05 Conveners: Paoletti, Riccardo
- 16:00 [325] Invited talk: “The History of the Silicon Vertex Trigger of CDF”
Dr. RISTORI, Luciano
- 16:45 [329] A new concept to use 3D vertical integration technology for fast pattern recognition
Dr. LIU, Tiehui Ted
- 17:05 [26] The EDRO board connected to the Associative Memory: a “Baby” FastTracker processor for the ATLAS experiment
Dr. CRESCIOLI, Francesco
- 17:25 [170] A tracker/trigger design for an upgraded CMS Tracker
Dr. SPIEGEL, Leonard
- 17:45 [178] Design and studies of micro-strip stacked module prototypes for tracking at S-LHC
Dr. BROCCOLO, Giuseppe

17:30-19:00 **Exhibition and Poster — Chicago 6 & 7**

Saturday — June 11, 2011

Astrophysics and Space Instr. — Chicago Ballroom 10

- 08:30-10:30 Conveners: Kusaka, Akito; Siegmund, Oswald
- 08:30 [351] Microwave detection of cosmic ray air showers at the Pierre Auger Observatory, an R effort
WILLIAMS, Christopher
- 08:50 [137] Front-end electronics and triggering at the Auger Engineering Radio Array
Dr. TIMMERMANS, Charles
- 09:10 [419] Upgrade Plans for VERITAS
Dr. ZITZER, Ben
- 09:30 [117] The First G-APD Cherenkov Telescope for ground-based gamma-ray astronomy
Dr. BILAND, Adrian
- 09:50 [399] The use of Gaseous Electron Multiplying detectors on suborbital X-ray rocket payloads
Prof. MCENTAFFER, Randall
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Calorimetry — Ontario

- 08:30-10:30 Conveners: T. Takeshita; Repond, Jose
- 08:30 [53] First year of running for the LHCb calorimeter system
Frederic Machefert
- 08:50 [189] Status of the Atlas Liquid Argon Calorimeter and its Performance after one year
of LHC operation
Dr. HERVAS, Luis
- 09:10 [234] Performance and calibration of CASTOR calorimeter at CMS.
KUZNETSOVA, Ekaterina
- 09:30 [244] CMS Hadronic EndCap Calorimeter Upgrade R Studies
Dr. AKGUN, Ugur Prof. ONEL, Yasar
- 09:50 [188] Upgrade plans for ATLAS Forward Calorimetry for the HL-LHC
Dr. HERVAS, Luis
- 10:10 [61] HF GFlash
Dr. RAHMAT, Rahmat
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Detector for Neutrinos — Superior A

- 08:30-10:30 Conveners: Prof. Ereditato, Antonio; Soderberg, Mitchell
- 08:30 [134] Instrumentation and calibration of the Super-Kamiokande detector
Dr. OBAYASHI, Yoshihisa
- 08:50 [254] Developments toward a High Resolution Next-Generation Water Cherenkov
Neutrino Detector
WETSTEIN, Matthew



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- 09:10 [166] Water Attenuation Length Measurements
Dr. OUEDRAOGO, Serge
- 09:30 [237] Water Cherenkov Detector Event Scan And NuE Appearance Sensitivity Study For LBNE
Mr. DUYANG, Hongyue
- 09:50 [248] Time Calibration of the ANTARES Neutrino Telescope
Dr. EMANUELE, Umberto
- 10:10 [101] The KM3NeT Deep-Sea Research Infrastructure
Dr. LAHMANN, Robert

Front-end Electronics — Erie

- 08:30-10:30 Conveners: cancelo, gustavo; Re, Valerio
- 08:30 [35] A Gigabit transceiver for data transmission in future high energy physics experiments
Dr. WYLLIE, Ken
- 09:00 [144] A Versatile Link for high-speed, radiation resistant optical transmission in LHC upgrades
Dr. XIANG, Annie
- 09:30 [57] RADIATION-HARD ASICS FOR OPTICAL DATA TRANSMISSION
Dr. STRANG, Mike
- 09:50 [190] A high speed serializer ASIC for ATLAS Liquid Argon calorimeter upgrade
LIU, Tiankuan
- 10:10 [145] Design and verification of an FPGA based bit error rate tester
Dr. XIANG, Annie

Gaseous Detectors — Superior B

- 08:30-10:30 Conveners: Nygren, David
- 08:30 [290] Performance of the ALICE Time Projection Chamber
Dr. LIPPMANN, Christian
- 08:50 [298] Experience with the Time Projection Chambers for the T2K Near Detectors
JAMIESON, Blair
- 09:10 [264] Development of Micro tracking TPC using a Micro Gas Pixel Chamber (PIC), and Application to time resolved Neutron Imaging Detector
Prof. TANIMORI, Toru
- 09:30 [430] Application of Time Projection Chambers with GEMs and Pixels to WIMP Searches and Fast Neutron Detection
Dr. YAMAOKA, Jared
- 09:50 [402] Rejection of Backgrounds in the DMTPC Dark Matter Search Using Charge Signals
Mr. LOPEZ, Jeremy
- 10:10 [359] The DRIFT Dark Matter Search
Prof. LOOMBA, Dinesh

Machine Det. Interface and Beam Instr. — Huron

- 08:30-10:30 Conveners: Prof. Burrows, Philip
- 08:30 [279] Operational Experience with ATF2 Beam Diagnostics
Dr. WHITE, Glen
- 09:00 [480] Shintake Monitor : Nanometer Beam Size Measurement and Beam Tuning
Ms. YAN, Jacqueline
- 09:20 [379] Current Status of Nanometer Beam Size Monitor for ATF2
Mr. YAMAGUCHI, Yohei
- 09:40 [229] Optical transition Radiation System for ATF2
Dr. FAUS-GOLFE, Angeles
- 10:00 [471] The FONT5 bunch-by-bunch position and angle feedback system at ATF2
CHRISTIAN, Glenn

Photon Detectors — Chicago Ballroom 9

- 08:30-10:30 Conveners: Dr. Mirzoyan, Razmik
- 08:30 [140] MCP-PMT development for Belle-II TOP counter
Dr. INAMI, Kenji
- 08:55 [173] The “DIRC-like FTOF”: a time-of-flight Cherenkov detector for particle identification at SuperB
Mr. BURMISTROV, Leonid
- 09:20 [381] Development of THGEM-based photon detectors for the upgrade of COMPASS RICH-1
Dr. TESSAROTTO, Fulvio
- 09:45 [340] A RICH Detector for CLAS12 Spectrometer
Dr. EL ALAOUI, Ahmed
- 10:05 [362] Improved PMTs for the Cherenkov Telescope Array
MIRZOYAN, Razmik

Semiconductor Detectors — Chicago Ballroom 8

- 08:30-10:30 Conveners: Fiorini, Massimiliano; Andricek, Laci
- 08:30 [46] Operational experience with the ATLAS Pixel Detector at the LHC
KEIL, Markus
- 08:50 [499] Performance of the CMS Pixel Detector at the LHC
SWARTZ, Morris
- 09:10 [196] Calibration, operation and performance of the ALICE Silicon Drift Detectors in pp and PbPb collisions
Dr. BEOLE, Stefania
- 09:30 [115] Performance of the LHCb Vertex Locator
Dr. LATHAM, Thomas
- 09:50 [25] An EUDET/AIDA pixel beam telescope for detector development
Dr. RUBINSKIY, Igor



Trigger and DAQ Systems — Mayfair

- 08:30-10:30 Conveners: Wickens, Fred
- 08:30 [342] New improved Sum-Trigger system for the MAGIC telescopes
Mr. HAEFNER, Dennis
- 08:50 [108] GPUs for fast triggering in NA62 experiment
LAMANNA, Gianluca MARCO, Sozzi
- 09:10 [205] Performance Study of a GPU in Real-Time Applications for HEP Experiments
KETCHUM, Wesley
- 09:30 [284] Processing of First AA and pp Collisions in the ALICE High Level Trigger
Dr. STEINBECK, Timm Morten
- 10:00 [495] Commissioning and Performance of the CMS High Level Trigger
APANASEVICH, Leonard

Astrophysics and Space Instr.: Overview session — Chicago Ballroom 8

- 11:00-13:00 Conveners: Kusaka, Akito; Siegmund, Oswald
- 11:00 [200] The Dark Energy Survey Camera (DECam)
Dr. DIEHL, Thomas
- 11:30 [180] The Pierre Auger Observatory: challenges at the highest-energy frontier
Prof. COUTU, Stephane
- 12:00 [192] Status and Plans for the Cherenkov Telescope Array
Dr. HUMENSKY, Brian
- 12:30 [514] Detection of Cosmic-Ray particles with the Fermi Large Area Telescope
MONZANI, Maria Elena

Calorimetry — Ontario

- 11:00-12:40 Conveners: T. Takeshita; Repond, Jose
- 11:00 [208] Application of Large Scale Gas Electron Multiplier Technology to Digital Hadron Calorimetry
Prof. YU, Jaehoon
- 11:20 [222] Design, Construction and Testing of the Digital Hadron Calorimeter
FRANCIS, Kurt
- 11:40 [220] Test of a Digital Hadron Calorimeter (DHCAL) prototype with muons
REPOND, Jose
- 12:00 [167] DHCAL Response to Positrons and Pions
BILKI, Burak
- 12:20 [92] Large area Micromegas chambers with embedded front-end electronics
for hadron calorimetry
Dr. BLAHA, Jan

Detector for Neutrinos — Superior A

- 11:00-12:30 Conveners: Prof. Ereditato, Antonio; Soderberg, Mitchell
- 11:00 [442] IceCube-DeepCore and beyond: towards precision neutrino physics at the South Pole
Prof. GRANT, Darren
- 11:30 [416] Search for tau-neutrino interactions in the OPERA hybrid detector
BOZZA, Cristiano
- 12:00 [277] Antineutrino Detectors for a High-Precision Measurement of θ_{13} at Daya Bay
Prof. HEEGER, Karsten
-

Gaseous Detectors — Superior B

- 11:00-12:40 Conveners: Dr. Ochi, Atsuhiko
- 11:00 [186] Commissioning and performance of the ATLAS Transition Radiation Tracker
with first high energy pp and Pb-Pb collisions at LHC
STAHLMAN, Jonathan Mark
- 11:20 [135] NA62 spectrometer: a low mass straw tracker
SERGI, Antonino
- 11:40 [274] Development of large and very thin GRPCs with new resistive coating and new
gas distribution scheme
Prof. LAKTINEH, imad Dr. LUMB, nick Mr. KIEFFER, robert Dr. MIRABITO, laurent
- 12:00 [462] A novel temperature monitoring sensor for gas-based detectors in large HEP experiments
Dr. CAPONERO, Michele
- 12:20 [69] Detection and removal of short-circuits on GEM-foils
Mr. KALLIOKOSKI, Matti
-

Machine Det. Interface and Beam Instr. — Huron

- 11:00-12:30 Conveners: White, Glen
- 11:00 [445] SLAC End Station A Test Beams (ESTB) for MDI and Beam Instrumentation Experiments
Dr. HAST, Carsten
- 11:25 [269] Neutron background predictions and measurement at ATF2 beamline.
Dr. GULER, Hayg
- 11:45 [406] Accurate Measurement of Velocity and Acceleration of Seismic Vibrations near Nuclear
Power Plants
Mr. SYED, Javed Arif



Particle ID Detectors — Erie

- 11:00-12:30 Conveners: Toru Iijima
- 11:00 [124] The DIRC Detectors of the PANDA Experiment at FAIR
Dr. SCHWIENING, Jochen
- 11:25 [202] The Belle II time-of-propagation counter
Dr. NISHIMURA, Kurtis
- 11:50 [105] A large-area detector for precision time-of-flight measurements at LHCb
HARNEW, Neville
- 12:10 [98] Timing detectors with 10 ps resolution
Dr. ALBROW, Michael

Photon Detectors — Chicago Ballroom 9

- 11:00-12:30 Conveners: Dr. Yokoyama, Masashi
- 11:00 [97] Development of a UV/X-ray imaging device based on large area gas photo-multiplier.
Dr. SEKIYA, Hiroyuki
- 11:20 [133] Development of Superconducting Tunnel Junction Photon Detector using Hafnium
Prof. KIM, Shin-Hong
- 11:40 [72] Performance and Radioactivity Measurements of the Photomultiplier Tubes for the LUX
and LZ Dark Matter Experiments
FAHAM, Carlos
- 12:05 [48] Photon Detection Systems for Modern Cherenkov Detectors
Dr. SEITZ, Björn

Semiconductor Detectors — Chicago Ballroom 10

- 11:00-12:40 Conveners: Parzefall, Ulrich; Keil, Markus
- 11:00 [436] Recent progress of the ATLAS Planar Pixel Sensor R Project
BOMBEN, Marco
- 11:20 [463] Diamond for high energy radiation and particle detection
Prof. MIKUZ, Marko
- 11:40 [249] 3D pixel devices; design, production and characterisation in test beams
Dr. MAC RAIGHNE, Aaron
- 12:00 [374] New semiconductor 2D position-sensitive detector
Mrs. MUNOZ SANCHEZ, Francisca
- 12:20 [522] A new solid state tracking detector: Electron Emission Membranes and a MEMS made
vacuum electron multiplier
VAN DER GRAAF, Harry

Trigger and DAQ Systems — Mayfair

- 11:00-12:30 Conveners: Biland, Adrian
- 11:00 [292] Applications of Emerging Parallel Optical Link Technology to High Energy Physics Experiments
Mr. PROSSER, Alan
- 11:20 [206] Free Space Data Links for HEP Experiments
Dr. UNDERWOOD, David
- 11:40 [30] Belle2Link — a unified high speed link in Belle II experiment
Mr. SUN, Dehui
- 12:00 [432] Acquisition system and detector interface for power pulsed detectors
CORNAT, Rémi
-

Calorimetry — Ontario

- 14:00-15:40 Conveners: T. Takeshita; Repond, Jose
- 14:00 [273] Construction of a technological semi-digital hadronic calorimeter
Prof. LAKTINEH, imad
- 14:20 [114] Calibration UV LED System with tunable light intensity for CALICE tile hadron calorimeter
KVASNICKA, Jiri
- 14:40 [465] Hadronic Showers in a Highly Granular Imaging Calorimeter
Mr. KAPLAN, Alexander
- 15:00 [142] Measurements of the Time Structure of Hadronic Showers in a Scintillator-Tungsten HCAL
Dr. SIMON, Frank
- 15:20 [233] Realization and Test of the Engineering Prototype of the CALICE Tile Hadron Calorimeter
Dr. TERWORT, Mark
-

Dark Matter Detectors — Superior B

- 14:00-15:30 Conveners: Hall, Jeter; Hoffman, Kara
- 14:00 [452] The Xenon1T demonstration system
Dr. BUDNIK, Ran
- 14:30 [70] LUX Cryogenics and Circulation
Mr. BRADLEY, Adam
- 14:50 [418] Instrument Development for Liquid Xenon Dark Matter Searches: An Atom Trap Trace Analysis System to Measure Ultra-low Krypton Contamination in Xenon
GOETZKE, Luke
- 15:10 [169] PTFE reflectance measurements, modeling and simulation for Xenon detectors
Dr. SILVA, Cláudio



Detector for Neutrinos — Superior A

- 14:00-15:30 Conveners: Prof. Ereditato, Antonio; Soderberg, Mitchell
- 14:00 [58] Construction of PVC Extrusions for the NOvA Near and Far Detectors
Dr. PHAN-BUDD, Sarah
- 14:20 [198] Quality Assurance System for NOvA Detector Module Production
Dr. SMITH, Alex
- 14:40 [444] High Precision Measurement of the Target Mass of the Daya Bay Detectors
Mr. WISE, thomas
- 15:00 [127] R Effort for Plastic Scintillator Based Cosmic Ray Veto System for the Mu2e Experiment
Dr. OKSUZIAN, Yuri

Experimental Detector Systems: Future Collider Detectors — Chicago Ballroom 8

- 14:00-15:30 Conveners: Dr. Lipton, Ronald; Brient, Jean-Claude
- 14:00 [250] Detector Systems at CLIC
Dr. SIMON, Frank
- 14:30 [509] Detectors Systems at ILD
Prof. BRIENT, Jean-Claude
- 15:00 [513] Detector systems at SiD
GRAF, Norman

Front-end Electronics — Erie

- 14:00-15:30 Conveners: Grace, Carl
- 14:00 [357] The Front-end Electronics for the Daya Bay Reactor Neutrino Experiment
Prof. WANG, Zheng
- 14:30 [68] EASIROC, an easy & versatile readout device for SiPM
Mr. CALLIER, Stéphane
- 14:50 [308] The cryogenic performances of specific optical and electrical components for a liquid argon time projection chamber
Dr. LIU, Tiankuan
- 15:10 [364] A concept for power cycling the electronics of CALICE-AHCAL with the train structure of ILC
Dr. GOETTLICHER, Peter

Machine Det. Interface and Beam Instr. — Huron

- 14:00-15:30 Conveners: Wendt, Manfred
- 14:00 [230] The beam background at SuperKEKB/Belle-II
UNO, Shoji
- 14:25 [486] MICE step I: first measurement of emittance with particle physics detectors
HANLET, Pierrick

Agenda

- 14:45 [420] Accelerator Backgrounds in a Muon Collider
Dr. KAHN, Stephen
- 15:05 [343] Instrumented Shielding for Muon Collider Detectors
Dr. CUMMINGS, Mary Anne

Photon Detectors — Chicago Ballroom 9

- 14:00-15:40 Conveners: Buchanan, Norm
- 14:00 [313] SiPMs with Bulk Integrated Quench Resistors — Future Perspectives
Dr. NINKOVIC, Jelena
- 14:20 [360] UV Sensitive SiPMs of Very High PDE and Very Low X-talk
Dr. MIRZOYAN, Razmik
- 14:40 [389] The CHarged ANTIcounter for the NA62 experiment at CERN
Dr. SARACINO, Giulio
- 15:00 [23] 20 cm sealed tube photon counting detectors with novel microchannel plates for imaging and timing applications
Dr. SIEGMUND, Oswald
- 15:20 [502] Fast Neutron Induced Nuclear Counter Effect in Hamamatsu Silicon PIN Diodes and APDs
Dr. ZHANG, Liyuan

Semiconductor Detectors — Chicago Ballroom 10

- 14:00-15:40 Conveners: Van Der Graaf, Harry; Affolder, Tony
- 14:00 [275] System implications of the different powering distributions for the ATLAS Upgrade silicon tracker
Dr. DIEZ-CORNELL, Sergio
- 14:20 [370] Applications and imaging techniques of a Si/CdTe Compton gamma-ray camera
Dr. TAKEDA, Shin'ichiro
- 14:40 [282] High Resolution X-ray Imaging Sensor with SOI CMOS Technology
Mr. TAKEDA, Ayaki
- 15:00 [49] Optimization of Strip Isolation for Silicon Sensors
VALENTAN, Manfred
- 15:20 [109] Variations in CVD Diamond Detector's response to radiations with the crystal's defects compared with calculated values from MC code (PENELOPE) at low energy Mammographic X-ray range
Dr. ZAKARI, Yusuf



Trigger and DAQ Systems — Mayfair

- 14:00-15:30 Conveners: Bartoldus, Rainer
- 14:00 [160] Design of the ATLAS IBL Readout System
Dr. POLINI, Alessandro
- 14:20 [12] An ATCA-based High Performance Compute Node for Trigger and Data Acquisition in Large Experiment
Dr. XU, hao
- 14:40 [165] Construction of high speed, massively parallel, ATCA based Data Acquisition Systems using modular components
THAYER, Gregg
- 15:00 [467] The DAQ and Trigger Systems for the Daya Bay Reactor Neutrino Experiment
Prof. WHITE, Christopher

Calorimetry — Ontario

- 16:00-18:00 Conveners: T. Takeshita; Repond, Jose
- 16:00 [302] A Particle Flow Algorithm for a future high energy linear collider
MALLIK, Usha
- 16:20 [268] CALICE silicon-tungsten ECAL
CORNAT, Rémi
- 16:40 [185] The Next Generation Scintillator-based Electromagnetic Calorimeter Prototype and Beam Test
KHAN, adil
- 17:00 [287] Liquid xenon gamma-ray calorimeter for the MEG experiment
Dr. IWAMOTO, Toshiyuki
- 17:20 [520] Gas-Filled Calorimeter for High Intensity Beam Environments
ABRAMS, Robert
- 17:40 [521] Luminometer for the future International Linear Collider — simulation and beam test results
AGUILAR, Jonathan

Dark Matter Detectors — Superior B

- 16:00-18:00 Conveners: Hall, Jeter; Hoffman, Kara
- 16:00 [447] Large Diameter Cryogenic Germanium Detectors for Dark Matter Direct Detection Experiments
Dr. BRINK, Paul
- 16:30 [29] The Argon Dark Matter experiment
Mr. EPPRECHT, Lukas
- 17:00 [74] The LUX Dark Matter Experiment: Design, Calibration, and Simulation
Dr. SZYDAGIS, Matthew
- 17:30 [27] Searching for Dark Matter with COUPP
Dr. LIPPINCOTT, Hugh

Detector for Neutrinos — Superior A

- 16:00-18:20 Conveners: Prof. Ereditato, Antonio; Soderberg, Mitchell
- 16:00 [448] High-pressure xenon gas TPC for neutrino-less double-beta decay in ^{136}Xe :
Progress toward the goal of 1% FWHM energy resolution
Dr. NYGREN, David
- 16:20 [96] The Enriched Xenon Observatory (EXO)
NEILSON, Russell
- 16:40 [126] Single ion detection for an ultra-sensitive neutrino-less double beta decay search
with the Enriched Xenon Observatory
TWELKER, Karl
- 17:00 [446] R for the observation of Coherent Neutrino Scatter at a Nuclear Reactor
with a Dual-Phase Argon Ionization Detector
SANGIORGIO, Samuele
- 17:20 [410] A Demonstration of Light guides for Light Detection in Liquid Argon TPCs
Ms. IGNARRA, Christina
- 17:40 [439] Cold electronics development for the LBNE LArTPC
THORN, Craig
-

Experimental Detector Systems — Chicago Ballroom 8

- 16:00-17:20 Conveners: Brient, Jean-Claude; Dr. Lipton, Ronald
- 16:00 [181] The Fermilab Test Beam Facility
SOHA, Aria
- 16:20 [321] Detector Powering in the 21st Century: Why stay stuck with the Good old
20th Century methods?
Dr. DHAWAN, Satish
- 16:40 [151] Improved jet clustering algorithm with vertex information for multi-b final states
Dr. SUEHARA, Taikan
- 17:00 [390] slic: A Geant4-based full detector response simulation program
GRAF, Norman
-

Gaseous Detectors — Huron

- 16:00-18:20 Conveners: Giomataris, Ioanis
- 16:00 [100] A GEM-TPC prototype detector for PANDA
Mr. ARORA, Rahul
- 16:20 [491] Design Challenges for a High-Rate TPC with Micromegas Readout
Prof. KAPLAN, Daniel
- 16:40 [385] Development of a TPC for an ILC Detector
DIENER, Ralf



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- 17:00 [366] Single module test of a Micromegas TPC Large Prototype
COLAS, Paul
- 17:20 [375] Analysis of data recorded by the GEM-LCTPC
LJUNGGREN, Hans Martin
- 17:40 [199] Development of Large Scale Gas Electron Multiplier Chambers
Prof. YU, Jaehoon
- 18:00 [451] Thin active elements for DHCAL based on THGEMs
NATAL DA LUZ, Hugo
-

16:00-19:00 **Lecture Course: Electronics — Erie**

- 16:00 [531] Basics of Electronics
DRAKE, Gary
-

Photon Detectors — Chicago Ballroom 9

- 16:00-18:00 Conveners: Moser, Hans-Gunther
- 16:00 [60] Steps Towards 8"x8" Photocathode For The Large Area Picosecond Photodetector Project At Argonne
Dr. YUSOF, Zikri
- 16:20 [256] Composition and thickness dependence of electron-induced secondary electron yield for MgO and Al₂O₃ from atomic layer deposition
Dr. JOKELA, Slade
- 16:40 [438] Theory and Applications of Transmission Mode Metal (Aluminum) Photocathode
Dr. LEE, Seon Woo
- 17:00 [443] Revealing the Correlations between Growth Recipe and Microscopic Structure of Multi-alkali Photocathodes
Dr. LEE, Seon Woo
- 17:20 [457] A novel atomic layer deposition method to fabricate economical and robust large area microchannel plates for photodetectors
Dr. MANE, Anil U.
- 17:40 [473] Instrumentation for Theory-Inspired Photocathode Development within the Large Area Picosecond Photodetector (LAPPD) Project
Dr. XIE, JUNQI

Semiconductor Detectors — Chicago Ballroom 10

- 16:00-18:00 Conveners: Collins, Paula; Kwan, Simon
- 16:00 [148] Operational experience and aging studies of the CDF Run II Silicon Vertex Detector
Dr. DI RUZZA, Benedetto
- 16:20 [394] Radiation Damage to D0 Silicon Microstrip Detector
Dr. YE, Zhenyu
- 16:40 [24] ATLAS Silicon Microstrip Tracker Operation and Performance
MOELLER, Victoria
- 17:00 [122] Performance of LHCb Silicon Tracker detector in the LHC
LUISIER, Johan
- 17:20 [519] CMS Silicon Strip Tracker Performance
Dr. AGRAM, Jean-Laurent

Trigger and DAQ Systems — Mayfair

- 16:00-18:00 Conveners: Jost, Beat
- 16:00 [64] Design and Status of the Data Acquisition Software for the NOVA Experiment Detectors
Dr. KASAHARA, Susan
- 16:30 [132] The Data Acquisition System for the KOTO Detector
TECCHIO, Monica
- 17:00 [136] Introduction of PANDA Data Acquisition System
Dr. XU, Hao
- 17:30 [496] Design, Operation and Future of the CMS DAQ system.
MEIJERS, Frans



Sunday — June 12, 2011

15:00-17:00 Public Lecture: Marvel of Technology: The LHC, machine and experiments —
Chicago Ballrooms 8, 9, 10
EVANS, Lyn

Monday — June 13, 2011

08:30-09:15 Detectors for Nuclear Physics — Sheraton Hotel
Prof. SHIMOURA, Susumu

09:15-10:00 Double Beta Decay — Sheraton Hotel
POCAR, Andrea

10:30-11:15 Gravitational Wave Detection: Past, Present and Future — Sheraton Hotel
WALDMAN, Sam

11:15-12:00 Synchrotron and X-Ray Applications — Sheraton Hotel
ATTENKOFER, Klaus

Astrophysics and Space Instr. — Ontario

14:00-16:00 Conveners: Kusaka, Akito; Siegmund, Oswald

14:00 [403] The Dark Energy Camera (DECam) integration tests on telescope simulator
Dr. SOARES-SANTOS, Marcelle

14:20 [472] BVIT: A visible imaging, photon counting instrument on the Southern African
Large Telescope for high time resolution astronomy
Dr. MCPHATE, Jason

14:40 [272] The Colorado High-resolution Echelle Stellar Spectrograph (CHESS) design and status.
Dr. BEASLEY, Matthew

15:00 [363] Readout electronics for Hyper Suprime-Cam
Mr. MIYATAKE, Hironao

15:20 [236] Low Noise readout techniques for Charge Coupled Devices (CCD)
Dr. CANCELO, Gustavo

Dark Matter Detectors — Superior B

14:00-16:00 Conveners: Hall, Jeter; Hoffman, Kara

14:00 [15] CCDs for particle physics experiments
ESTRADA, Juan

14:20 [19] CoGeNT-4: Prospects for an expanded search for light-mass WIMPS
ORRELL, John

14:40 [163] Cryogenic Dark Matter Search Experiment: Status and Plans
Prof. MANDIC, Vuk

Agenda

- 15:10 [71] Germanium Detectors for Dark Matter Searches
Prof. MANDIC, Vuk
- 15:30 [43] The discrimination capabilities of Micromegas detectors at low energies
Mr. IGUAZ GUTIERREZ, Francisco Jose
-

Detector for Neutrinos — Superior A

- 14:00-16:20 Conveners: Prof. Ereditato, Antonio; Soderberg, Mitchell
- 14:00 [507] The MINERvA Experiment
Dr. BUDD, Howard
- 14:20 [128] Detector technologies for Askaryan radio-pulse neutrino detectors
DUVERNOIS, Michael
- 14:40 [387] The Hanohano neutrino detector and ongoing R&D
Dr. SOLOMEY, Nickolas
- 15:00 [66] Large Mass Bolometers for Neutrinoless Double Beta Decay Searches
HAN, Ke
- 15:20 [391] Search for neutrinoless double beta decay with the NEMO-3 detector and R for SuperNEMO
PAHLKA, Benton
- 15:40 [168] Development and Characterization of CdZnTe Detectors for Neutrino Physics Research
KUTTER, Thomas
- 16:00 [498] Super-Kamiokande's Gadolinium Research and Development Project
Dr. RENSHAW, Andrew
-

Experimental Detector Systems — Chicago Ballroom 8

- 14:00-16:00 Conveners: Para, Adam
- 14:00 [215] Muon Collider Detector Studies
Dr. MAZZACANE, Anna
- 14:30 [408] Detector Backgrounds at Muon Colliders
Dr. MOKHOV, Nikolai
- 14:50 [409] ILCroot tracker and vertex detector response to MARS simulation of the beam background in the muon collider
Dr. TERENCEV, Nikolai
-

Gaseous Detectors — Erie

- 14:00-16:00 Conveners: Colas, P.
- 14:00 [41] Calibration and Performance of the precision chambers of the ATLAS muon spectrometer.
DIEHL, Edward
- 14:20 [231] Construction and Test of a Prototype Chamber for the Upgrade of the ATLAS Muon Spectrometer
SCHWEGLER, Philipp



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- 14:40 [380] Development of Micro Pixel Chamber for ATLAS upgrade
Dr. OCHI, Atsuhiko
- 15:00 [239] Performance of a Large-Area Triple-GEM Detector in a Particle Beam
Prof. KARCHIN, Paul Edmund
- 15:20 [262] Simulation of a Triple-GEM detector for a potential CMS muon tracking and trigger upgrade
Dr. MOULIK, Tania
- 15:40 [427] A new generation of RPCs to be used as muon trigger detectors at the super- LHC
Prof. SANTONICO, Rinaldo

Machine Det. Interface and Beam Instr. — Huron

- 14:00-16:20 Conveners: Wendt, Manfred
- 14:00 [238] Online Determination of the LHC Luminous Region with the ATLAS High Level Trigger
BARTOLDUS, Rainer
- 14:25 [197] Performance and Operational Experience of the CDF Luminosity Monitor
SUKHANOV, Alexander
- 14:50 [328] “Beam Spot Finding in Real Time at CDF and Beyond”
RISTORI, Luciano
- 15:15 [450] The D0 Luminosity Monitor Operations and Performance
Ms. PREWITT, Michelle
- 15:40 [245] Radiation Damage Studies and Operation of the D0 Luminosity Monitor
Dr. ORDUNA, Jesus
- 16:00 [504] R of neutron beam monitor based GEM detector
SUN, Zhijia

Photon Detectors — Chicago Ballroom 9

- 14:00-16:00 Conveners: Byrum, Karen
- 14:00 [10] Directly Coupled Scintillator Tiles and Silicon Photomultipliers
Dr. DYCHKANT, Alexandre
- 14:20 [54] Mechanical Performance of Large Format Underwater Photomultipliers
LING, Jijie
- 14:40 [110] RECENT DEVELOPMENTS IN PHOTOMULTIPLIERS AND READ-OUT SYSTEMS
Dr. HOWORTH, Jon
- 15:00 [143] PMT Light Collection Enhancement for LBNE
Prof. BUCHANAN, Norm
- 15:20 [171] Characterization of 10” and 12” Photomultiplier Tubes for the Long Baseline Neutrino Experiment
Dr. SEIBERT, Stanley
- 15:40 [253] Integration-Level Testing of Sub-Nanosecond Microchannel Plate Detectors for Use in Time-Of-Flight HEP Applications
Dr. WETSTEIN, Matthew

Semiconductor Detectors — Chicago Ballroom 10

- 14:00-16:00 Conveners: Collins, Paula; Riedler, Petra
- 14:00 [377] CMOS Monolithic Active Pixel Sensors for vertexing, tracking and calorimetry
Mr. PRICE, Tony
- 14:20 [350] Recent progress of the pixel detectors R based on the SOI technology
Dr. MIYOSHI, Toshinobu
- 14:40 [75] Ultra-thin fully depleted DEPFET active pixel sensors
ANDRICEK, Ladislav
- 15:00 [32] SLID-ICV Vertical Integration Technology for the ATLAS Pixel Upgrades
Dr. MACCHIOLO, Anna
- 15:20 [306] Sensor Studies for SLHC Using CMS Pixel-Based Telescope
Dr. UPLEGGER, Lorenzo
- 15:40 [492] Overview on measured properties of edgeless detectors and their use in high energy physics
Dr. KALLIOPUSKA, Juha
-

Trigger and DAQ Systems — Mayfair

- 14:00-16:00 Conveners: Meijers, Frans
- 14:00 [397] A fast precision tracking trigger with RPCs for high luminosity LHC upgrade
Dr. CARDARELLI, Roberto
- 14:20 [372] GET: a Generic Electronic system for TPCs for nuclear physics experiments°
Dr. POLLACCO, Emanuel
- 14:40 [371] The GANDALF Multi-Channel Time-to-Digital Converter (TDC)
SCHOPFERER, Sebastian
- 15:00 [207] CMS Web-Based Monitoring
Dr. WAN, Zongru
- 15:20 [251] A two level trigger system for the ICARUS LAr-TPC
Mr. DEQUAL, Daniele
- 16:00-18:00 **Exhibition and Poster — Chicago 6 & 7**



Tuesday — June 14, 2011

- 08:30-09:15 Detectors for Future Colliders — Sheraton Hotel
YAMAMOTO, Hitoshi
- 09:15-10:00 DAQ and Triggering — Sheraton Hotel
SMITH, Wesley
- 10:30-11:15 Applications outside of HEP — Sheraton Hotel
LEDU, Patrick
- 11:15-12:00 Applications of Analog Circuit Design to Life as a Scientist in the United States Congress —
Sheraton Hotel
Dr. FOSTER, G. William (Bill)
- 12:00-12:30 Closing Speech — Sheraton Hotel
LIU, Tiehui Ted

3D Sattelite Meeting — Sheraton Hotel

- 14:00-14:25 Flavors of the 3D-IC technology and where it is applicable
FRANZON, Paul
- 14:25-14:50 3D technology developments in Europe and European Union supported efforts
MOSEER, Hans Gunther
- 14:50-15:15 3D landscape in Japan
AOYAGI, Masahiro
- 15:15-15:30 TSV revolution and Fermilab's MPW experience
YAREMA, Ray
- 15:30-15:45 Testimonial Talks
INFN, IN2P3, DOE
- 15:45-16:25 Q, Panel Discussion and Coffee
- 16:25-16:50 SOI technology for monolithic and 3D integrated detectors
ARAI, Yasuo
- 16:50-17:15 3D-IC enabler of advanced focal planes
KEAST, Craig
- 17:15-17:40 3D-IC for real chips and prospectives
PATTI, Bob
- 17:40-17:55 The Monolithic 3D-IC
OR-BACH, Zvi
- 17:55-18:20 Q, Panel Discussion and Tea
- 18:20-18:30 Conclusions

