

Session Program

8-14 Jun 2011



TIPP 2011 - 2nd International Conference on Technology and Instrumentation in Particle Physics

Photon Detectors

Chicago, Sheraton Hotel
301 East Water Street Chicago, IL 60611

Friday 10 June

16:00

Photon Detectors

Session | **Location:** Sheraton Hotel, Chicago Ballroom 9 | **Convener:** Tsuyoshi Nakaya

16:00-16:25

Recent progress in vacuum photon detectors from Hamamatsu

Speaker

Mr Yuji Yoshizawa

16:25-16:50

Development of Ring Imaging Cherenkov counter for Belle II experiment at super KEKB

Speaker

Mr Shuichi Iwata

16:50-17:10

Development of large-aperture Hybrid Avalanche Photo-Detector

Speaker

Toshinori Abe

17:10-17:30

Characterization of the QUartz Photon Intensifying Detector (QUPID)

Speaker

Mr Artin Teymourian

17:30

Saturday 11 June

08:30

Photon Detectors

Session | **Location:** Sheraton Hotel, Chicago Ballroom 9 | **Convener:** Dr Razmik Mirzoyan

08:30-08:55

MCP-PMT development for Belle-II TOP counter

Speaker

Dr Kenji Inami

08:55-09:20

The "DIRC-like FTOF": a time-of-flight Cherenkov detector for particle identification at SuperB

Speaker

Mr Leonid Burmistrov

09:20-09:45

Development of THGEM-based photon detectors for the upgrade of COMPASS RICH-1

Speaker

Dr Fulvio Tessarotto

09:45-10:05

A RICH Detector for CLAS12 Spectrometer

Speaker

Dr Ahmed El Alaoui

10:05-10:30

Improved PMTs for the Cherenkov Telescope Array

Speaker

Razmik Mirzoyan

10:30

11:00

Photon Detectors

Session | **Location:** Sheraton Hotel, Chicago Ballroom 9 | **Convener:** Dr Masashi Yokoyama

11:00-11:20

Development of a UV/X-ray imaging device based on large area gas photo-multiplier.

Speaker

Dr Hiroyuki Sekiya

11:20-11:40

Development of Superconducting Tunnel Junction Photon Detector using Hafnium

Speaker

Prof. Shin-Hong Kim

11:40-12:05

Performance and Radioactivity Measurements of the Photomultiplier Tubes for the LUX and LZ Dark Matter Experiments

Speaker

Carlos Faham

12:30

12:05-12:30

Photon Detection Systems for Modern Cherenkov Detectors**Speaker**

Dr Björn Seitz

14:00

Photon Detectors**Session** | **Location:** Sheraton Hotel, Chicago Ballroom 9 | **Convener:** Norm Buchanan

14:00-14:20

SiPMs with Bulk Integrated Quench Resistors - Future Perspectives**Speaker**

Dr Jelena Ninkovic

14:20-14:40

UV Sensitive SiPMs of Very High PDE and Very Low X-talk**Speaker**

Dr Razmik Mirzoyan

14:40-15:00

The CHarged ANTlcounter for the NA62 experiment at CERN**Speaker**

Dr Giulio Saracino

15:00-15:20

20 cm sealed tube photon counting detectors with novel microchannel plates for imaging and timing applications**Speaker**

Dr Oswald Siegmund

15:20-15:40

Fast Neutron Induced Nuclear Counter Effect in Hamamatsu Silicon PIN Diodes and APDs**Speaker**

Dr Liyuan Zhang

15:40

16:00

Photon Detectors**Session** | **Location:** Sheraton Hotel, Chicago Ballroom 9 | **Convener:** Hans-Gunther Moser

16:00-16:20

Steps Towards 8"x8" Photocathode For The Large Area Picosecond Photodetector Project At Argonne**Speaker**

Dr Zikri Yusof

16:20-16:40

Composition and thickness dependence of electron-induced secondary electron yield for MgO and Al₂O₃ from atomic layer deposition**Speaker**

Dr Slade Jokela

16:40-17:00

Theory and Applications of Transmission Mode Metal (Aluminum) Photocathode**Speaker**

Dr Seon Woo Lee

17:00-17:20

Revealing the Correlations between Growth Recipe and Microscopic Structure of Multi-alkali Photocathodes**Speaker**

Dr Seon Woo Lee

17:20-17:40

A novel atomic layer deposition method to fabricate economical and robust large area microchannel plates for photodetectors**Speaker**

Dr Anil U. Mane

17:40-18:00

Instrumentation for Theory-Inspired Photocathode Development within the Large Area Picosecond Photodetector (LAPPD) Project**Speaker**

Dr JUNQI XIE

18:00

Monday 13 June

14:00

Photon Detectors

Session | **Location:** Sheraton Hotel, Chicago Ballroom 9 | **Convener:** Karen Byrum

14:00-14:20

Directly Coupled Scintillator Tiles and Silicon Photomultipliers

Speaker

Dr Alexandre Dychkant

14:20-14:40

Mechanical Performance of Large Format Underwater Photomultipliers

Speaker

Jiajie Ling

14:40-15:00

RECENT DEVELOPMENTS IN PHOTOMULTIPLIERS AND READ-OUT SYSTEMS

Speaker

Dr Jon Howorth

15:00-15:20

PMT Light Collection Enhancement for LBNE

Speaker

Prof. Norm Buchanan

15:20-15:40

Characterization of 10" and 12" Photomultiplier Tubes for the Long Baseline Neutrino Experiment

Speaker

Dr Stanley Seibert

15:40-16:00

Integration-Level Testing of Sub-Nanosecond Microchannel Plate Detectors for Use in Time-Of-Flight HEP Applications

Speaker

Dr Matthew Wetstein

16:00