

DIRC2015: Workshop on fast Cherenkov detectors

Photon detection, DIRC design and DAQ

November 11 – 13, 2015; Castle Rauschholzhausen, Germany

Wednesday, 11 November 2015

Intro

13.00 **Registration**

14.00 **Welcome**

Michael Düren (JLU Giessen)

Session I “OPTICS”

14.10 **Introduction of Nikon's Large Silica Glass Plate**

Hidenori Sugisaki (Nikon Optics)

Session II “PHOTON DETECTION”

14.40 **Photonis MCP**

Serge Duarte Pinto (Photonis)

15.00 **Latest Developments of Hamamatsu MCP-PMTs and MPPCs**

Colin Kramer (Hamamatsu)

15.20 **Tea and Coffee**

15.50 **Lifetime of MCP-PMTs**

Albert Lehmann (FAU Erlangen)

16.10 **MCP-PMT for Disc DIRC**

Julian Rieke (JLU Giessen)

16.30 **The TORCH PMT, a close packing, multi-anode, long life MCP-PMT for Cherenkov applications**

James Milnes (Photek)

16.50 **Photosensors studies at High-B Field Test Facility at JLab**

Yordanka Ilieva (EIC)

Session III “READOUT and ELECTRONICS”

17.10 **SAMPIC: A 16-Channel, 10-GS/S Waveform TDC for Picosecond Time Tagging**

Dominique Breton (IN2P3)

18.30 **Dinner**

Thursday, 12 November 2015

Session IV „DIRC SYSTEMS”

- 09.00 **The TOP project at Belle II**
Toru Iijima (Nagoya Univ.)
- 09.30 **The PANDA Barrel DIRC project at FAIR**
Carsten Schwarz (GSI)
- 10.00 **The PANDA Disc DIRC Project at FAIR**
Erik Etzelmüller (JLU Giessen)
- 10.30 **Tea and Coffee**
- 11.00 **The DIRC project at GlueX**
Justin Stevens (JLAB)
- 11.30 **The DIRC Project at EIC**
Grzegorz Kalicy (ODU)
- 12.00 **TORCH - Cherenkov and Time-of-Flight PID Detector for the LHCb upgrade**
Klaus Föhl (CERN)
- 12.30 **Lunch**

Session V “RICH SYSTEMS”

- 14.00 **The RICH project at CBM**
Claudia Höhne (JLU)
- 14.30 **The Forward RICH Project at PANDA**
Konstantin Beloborodov (Budker-INP)
- 15.00 **CLAS12 Rich Project**
Matteo Turisini (Ferrara University)
- 15.30 **Tea and Coffee**

Session VI “PROTOTYPE DEVELOPMENTS”

- 16.00 **Development, Characterization and Beam Tests of a Small-Scale TORCH Prototype Module**
Lucia Castillo Garcia (CERN)
- 16.25 **Reconstruction & Simulation for PANDA Barrel DIRC**
Roman Dzhygadlo (GSI)
- 16.50 **Studies of prototype 3-component lens in CERN test beam and on a test bench at ODU**
Lee Allison (ODU)
- 18.30 **Dinner**

Friday, 13 November 2015

Session VII “READOUT and ELECTRONICS”

9.00 **Fast SiPM Readout of the PANDA TOF Detector**

Merlin Böhm (FAU)

9.30 **TOFPET ASIC V1**

Luis Ferramache (Petsys Electronics)

10.00 **TRB Development**

Michael Traxler (GSI)

10.30 **Tea and Coffee**

11.00 **A Time-Based Front-End ASIC for the Silicon Micro Strip Sensors of the PANDA Micro Vertex Detector**

Valentino DiPietro (JLU)

11.30 **FAST TDCs Overview**

Kolja Sulimma (Cronologic)

12.30 **Lunch break**

Panda Session:

14.00 **Internal PANDA Cherenkov Meeting**

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