

DIRC2013: Workshop on fast Cherenkov detectors

Photon detection, DIRC design and DAQ
September 4-6, 2013; Castle Rauschholzhausen, Germany

Version 03.09.2013

Wednesday, 4 September 2013

Session I on photon detection

13.00 Registration

14.00 **Welcome**
Michael Düren, JLU Giessen

14.10 **Overview of photon detectors for fast single photon detection**
Peter Krizan, Ljubljana

14.45 **Lifetime measurements of MCP-PMTs**
Albert Lehmann, Erlangen

15.15 **Fast photonic detectors for photon counting applications**
Christian Dille, Hamamatsu

15.45 *Coffee Break*

16.15 **The TORCH PMT, a close packing, multi-anode, long life MCP-PMT for Cherenkov applications**
James Milnes, Photek-UK

16.45 **A Hybrid Photon Detector based on Timepix**
Thilo Michel, Erlangen; Medipix-HPD

17.15 **Digital Photon Counting - a scalable light detection technology with high temporal resolution**
York Haemisch, Philips-Aachen

18.30 *Dinner*

Thursday, 5 September 2013

Session II on photon detection

9.00 **Time resolution studies for the PANDA Scintillation Tile Hodoscope using the Philips digital SiPM**
Lukas Gruber, Wien

9.30 **Comparative timing performance study of SiPMs for gamma detectors using hybrid Cherenkov-scintillation readout.**
Stefan Brunner, Wien

10.00 **Tests and comparison of various photon sensor devices for the CBM-RICH**
Sascha Reinecke, Wuppertal

10.30 *Coffee Break*

Session I on DIRC and RICH systems

11.00 **Particle Identification at Belle II**
Peter Krizan, Ljubljana/KEK

11.30 **The Barrel DIRC detector for the PANDA experiment at FAIR**
Jochen Schwiening, GSI

12.00 **The Disc DIRC detector for the PANDA experiment at FAIR**
Oliver Merle, Giessen

12.30 *Lunch*

Session II on DIRC and RICH systems

14.30 **The TORCH project: a large-area detector for precision time-of-flight measurement**
Roger Forty, CERN

15.00 **The EIC Barrel DIRC**
Pawel Nadel-Turonski, JLab

15.30 **The DIRC prototype for the WASA experiment at COSY**
Adrian Zink, Erlangen

16.00 *Coffee Break*

16.30 **The RICH detector of the CBM experiment**
Tariq Mahmoud, Giessen

18.30 *Dinner*

Friday, 6 September 2013

**Session on readout, electronics,
reconstruction and system tests**

9.00 **The TRB Readout system**
Michael Traxler, GSI

9:30 **The TOFPET ASIC**
Andre Goerres, Torino

10.00 **A Prototype for the PANDA Barrel DIRC**
Greg Kalicy, GSI

10.30 *Coffee Break*

11.00 **A Prototype for the PANDA Disc DIRC**
Benno Kröck, Giessen

11.30 **Reconstruction and Simulation of the
PANDA Barrel DIRC**
Harphool Kumawat, GSI

12.30 *Lunch*

Afternoon Session:

14.00 **Internal PANDA PID meeting**

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