

Welcome

- Talks
- Discussions
- Coffee & food
- Proceedings

DIRC 2013

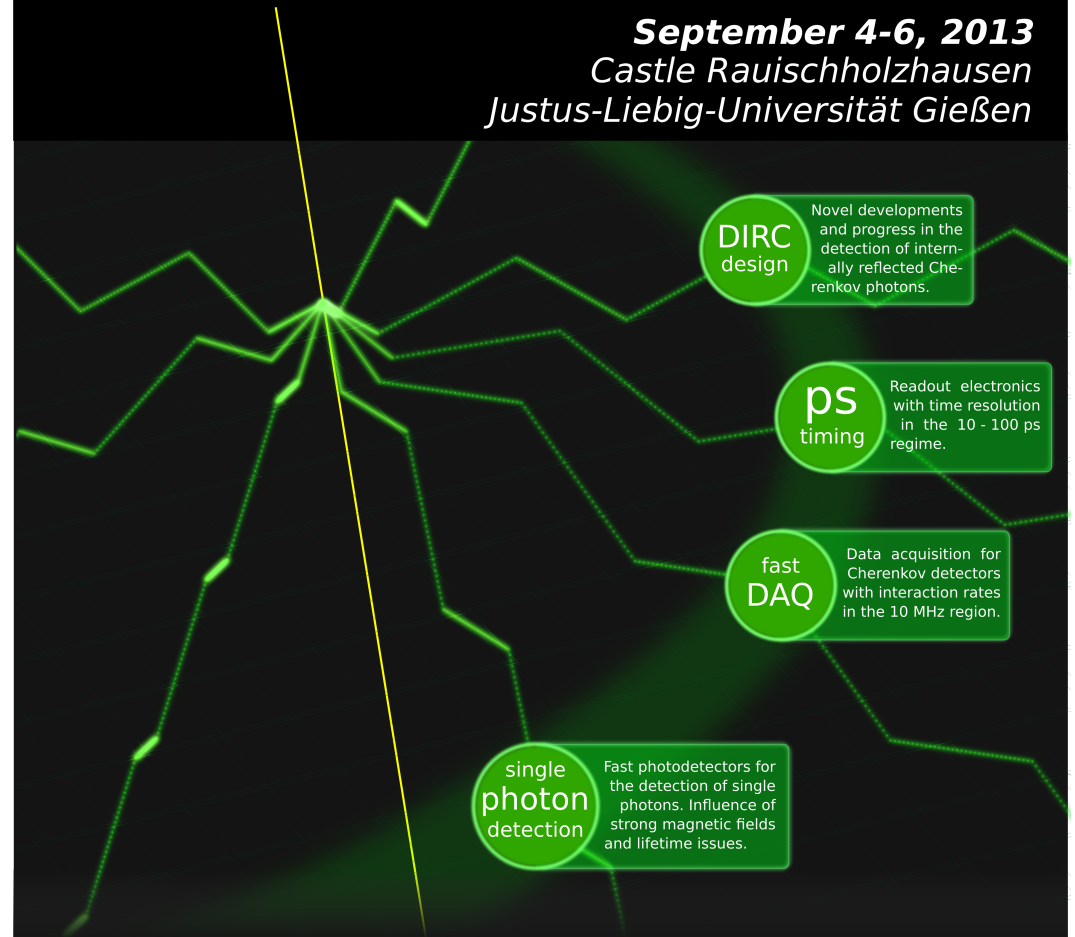
International Workshop on
Fast Cherenkov Detectors

Photon detection, DIRC design and DAQ

September 4-6, 2013

Castle Rauschholzhausen

Justus-Liebig-Universität Gießen



For more information and registration, visit:

www.uni-giessen.de/cms/dirc13

HIC for **FAIR**
Helmholtz International Center

JUSTUS-LIEBIG-
 UNIVERSITÄT
GIESSEN

Local organizers:

Michael Düren, Erik Etzelmüller, Klaus Föhl, Avetik Hayrapetyan, Benno Kröck, Oliver Merle, Daniel Mühlheim, Daniela Museaus, Julian Rieke, Hasko Stenzel, Katja Wolf

M. Düren, DIRC2013, Sept. 4, 2013

Sponsored by HIC for FAIR (Helmholtz International Center for FAIR)

Agenda Wednesday Sept. 4

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* M. Düren, DIRC2013, Sept. 4, 2013

Agenda Thursday Sept. 5 Morning

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*

Agenda Thursday Sept. 5 Afternoon

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**

Agenda Friday Sept. 6

Session on readout, electronics, reconstruction and system tests

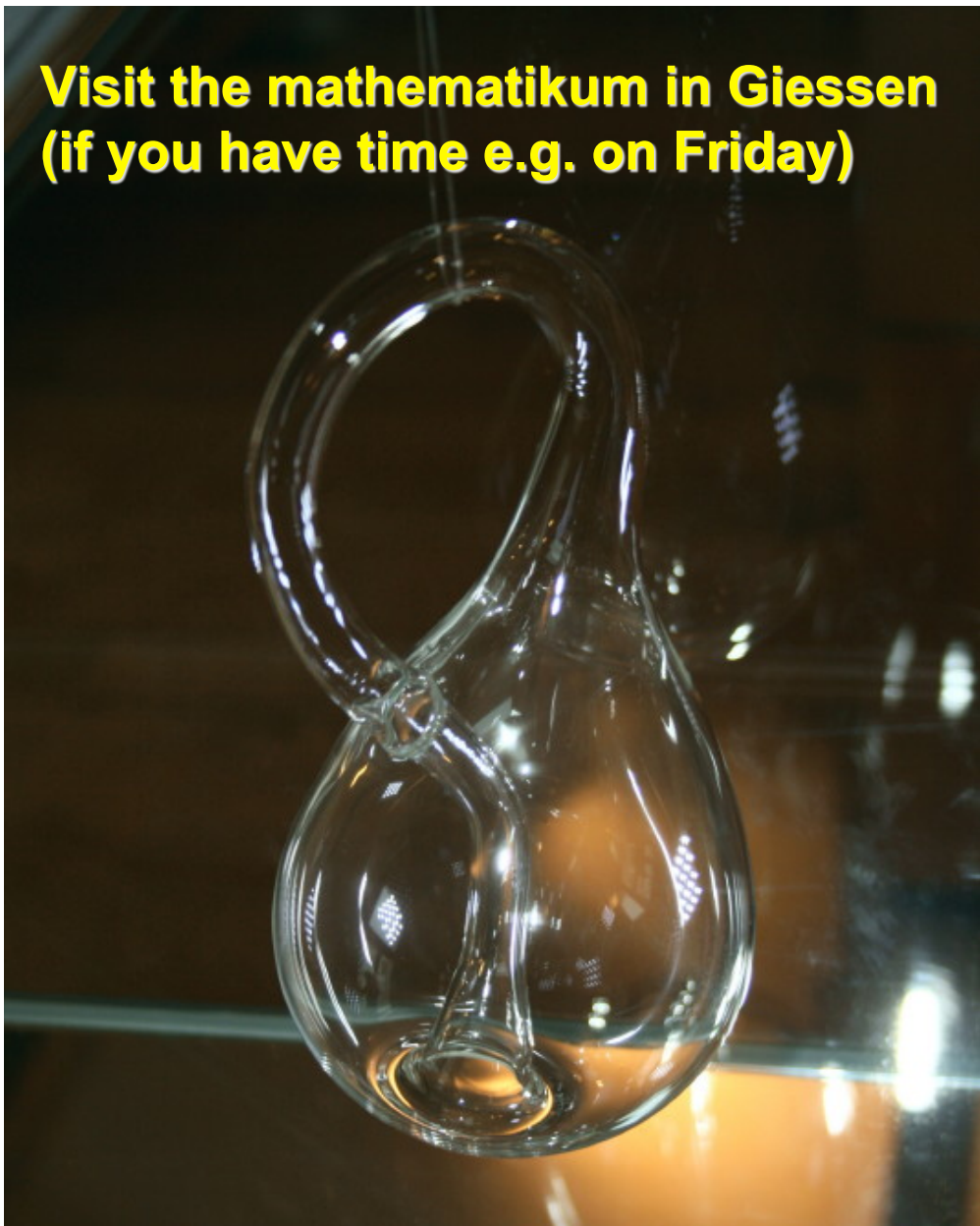
- 9.00 **The TRB Readout system**
Michael Traxler, GSI
- 9:30 **The TOFPET ASIC**
Andre Goerres, Torino
- 10.00 **A Prototype for the PANDA Barrel DIRC** Greg Kalicy, GSI
- 10.30 *Coffee Break*
- 11.00 **A Prototype for the PANDA Disc DIRC**
Benno Kröck, Giessen
- 11.30 **Reconstruction and Simulation of the PANDA Barrel DIRC**
Harphool Kumawat, GSI
- 12.30 *Lunch*
- Afternoon Session:**
- 14.00 **Internal PANDA PID meeting**

Discussions: enjoy the park and the sunshine



M. Düren, DIRC2013, Sept. 4, 2013

Visit the mathematikum in Giessen
(if you have time e.g. on Friday)



2. Juni - 27. Oktober 2013
Mathematikum Gießen

Liebigstraße 8 • 35390 Giessen • 0641 9607970 • www.mathematikum.de

[mathematikum](http://www.mathematikum.de)

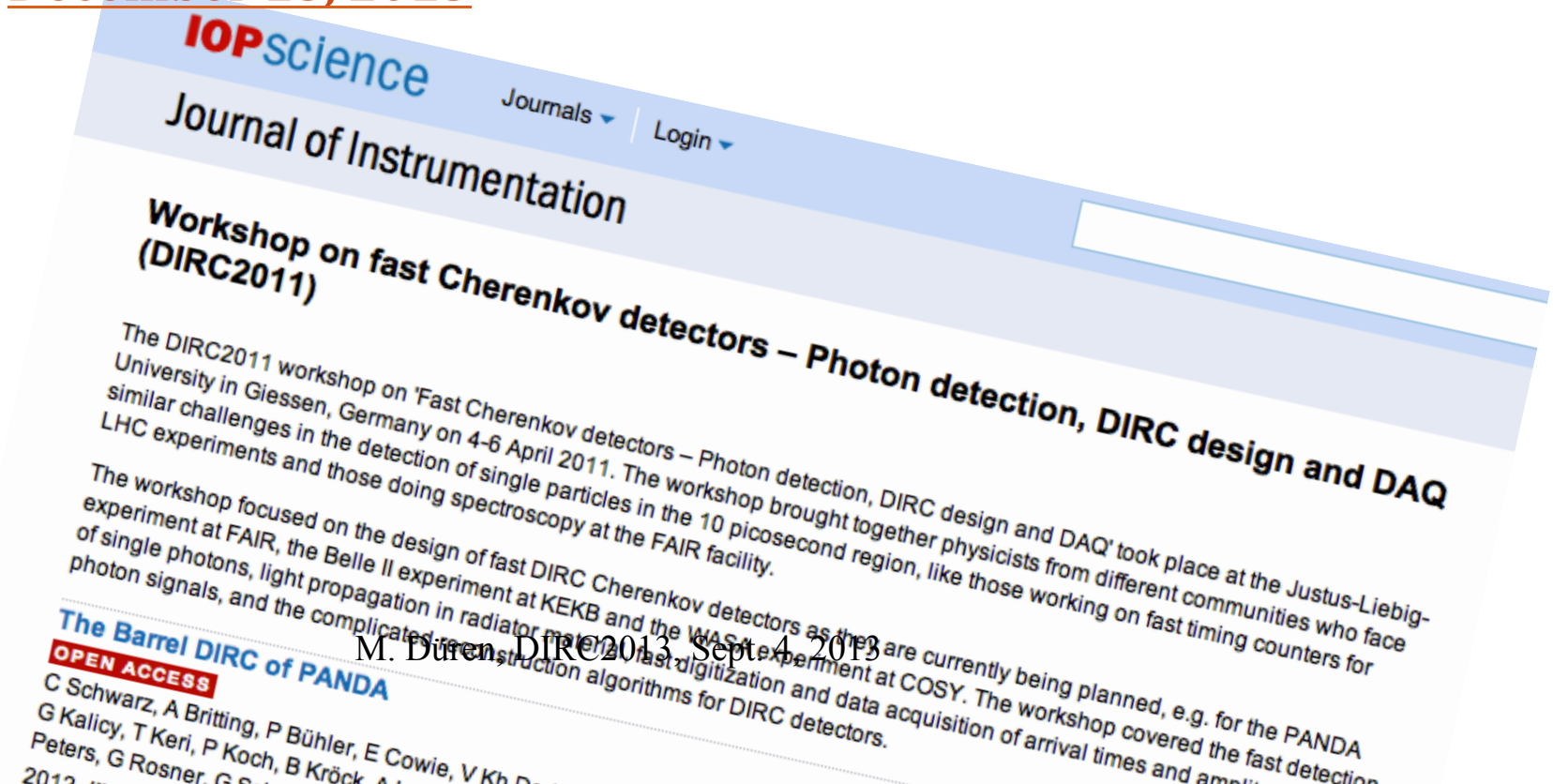
mathematikum
Mathematik zum Anfassen.

Copies of Talks

- transparencies will be available on our homepage. Objections?

Proceedings DIRC2013

- to be published in JINST (like DIRC2009 and DIRC2011)
- JINST has a **high impact factor!**
- no OPEN ACCESS (unless the author pays 1600€ per article)
- instructions will be sent to authors after the conference
- deadline: **December 15, 2013**



Let's start...

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