

## Welcome

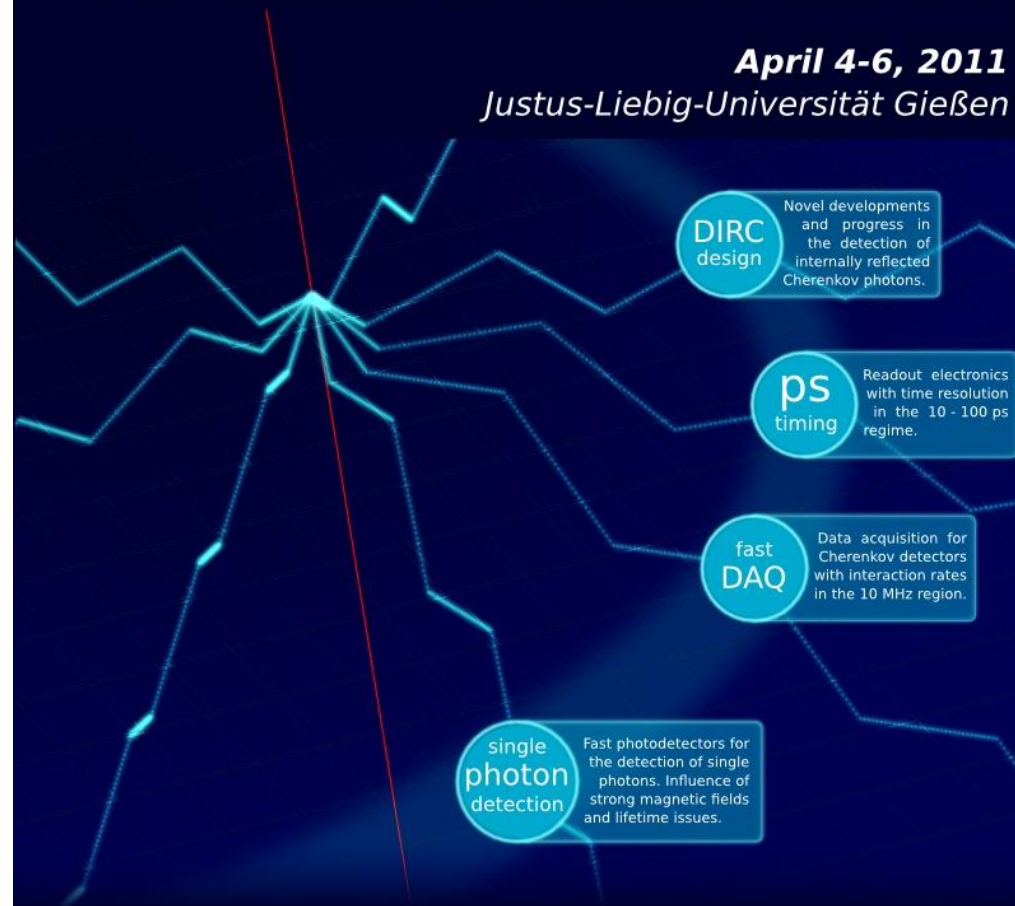
- Talks
- Discussions
- Coffee & food
- Proceedings

# DIRC 2011

International Workshop on  
Fast Cherenkov Detectors  
Photon detection, DIRC design and DAQ

**April 4-6, 2011**

*Justus-Liebig-Universität Gießen*



For more information and registration, visit:

[www.uni-giessen.de/cms/dirc11](http://www.uni-giessen.de/cms/dirc11)

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Helmholtz International Center

M. Düren, DIRC11, April 4, 2011

JUSTUS-LIEBIG-



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GIESSEN

Local organizers:

Michael Düren, Klaus Föhl, Avetik Hayrapetyan, Peter Koch, Benno Kröck,  
Oliver Merle, Felix Pfeiffer, Hasko Stenzel

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

# Agenda

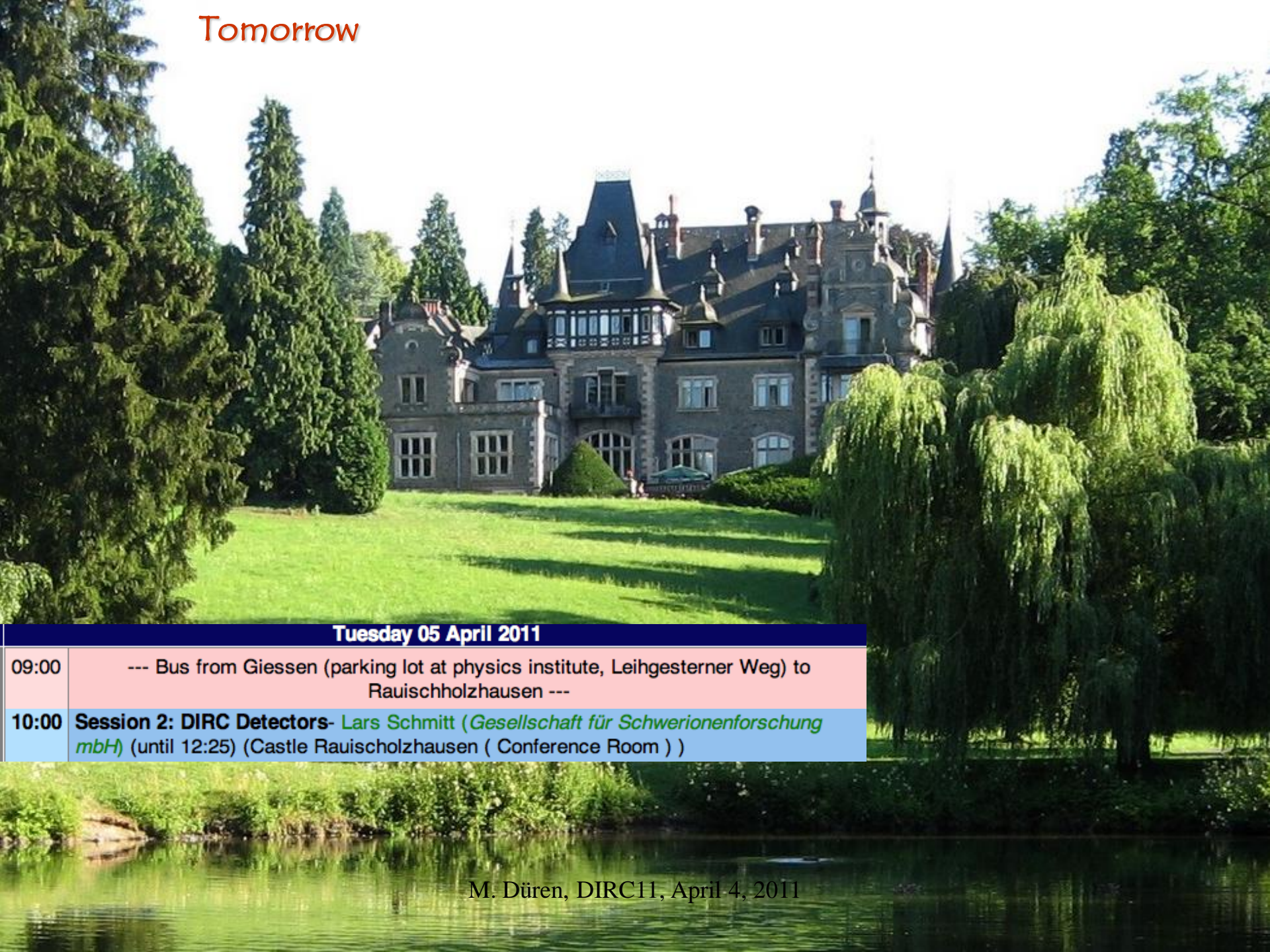
DIRC2011: Workshop on fast Cherenkov detectors  
from Monday 04 April 2011 (13:00) to Wednesday 06 April 2011 (20:00)

: Sessions / : Talks : Breaks

	Monday 04 April 2011	Tuesday 05 April 2011	Wednesday 06 April 2011
AM		09:00 --- Bus from Giessen (parking lot at physics institute, Leihgesterner Weg) to Rauschholzhausen ---	09:00 <b>Session 4 DIRC Issues: Reconstruction, Readout, Electronics, DAQ- Klaus Föhl</b> (until 11:40)
		09:05 --- Industry Exhibition (all Tuesday) ---	09:00 Simulation and reconstruction of the Panda Barrel DIRC - <i>Maria Patsyuk</i>
		10:00 <b>Session 2: DIRC Detectors- Lars Schmitt</b> ( <i>Gesellschaft für Schwerionenforschung mbH</i> ) (until 12:25) (Castle Rauschholzhausen ( Conference Room ) )	09:20 Simulation and reconstruction of the Panda 3D Disc DIRC - <i>Oliver Merle</i>
		10:00 Review of barrel DIRC detectors: From BaBar to Panda and Super-B - <i>Jochen Schwiening</i>	09:50 Mechanical design of the WASA DIRC - <i>Evgueny Doroshkevich</i>
		10:40 --- Coffee ---	10:20 --- Coffee ---
		11:05 Development of the TOP counter for the Belle II experiment - <i>Kazuhito Suzuki</i>	10:50 Results from recent DIRC test beam campaigns - <i>Peter Koch</i>
		11:45 R & D status for the LHCb TORCH project - <i>Thierry Gys</i>	11:20 A readout and DAQ board for precise time measurements - <i>Michael Traxler</i> ( <i>GS/Helmholtzzentrum für Schwerionenforschung GmbH(GSI)</i> )
		12:25 --- Lunch and break (visit the park of the castle or the industry exhibiton) ---	11:40 <b>Session 5 Planning session for the PANDA DIRCs- Carsten Schwarz</b> (until 12:30)
			11:40 Planning session for the PANDA DIRCs --- Progress of the Technical Design Report --- Test beam planning
			12:30 --- Lunch break ---
			12:30 --- Visit of the exhibition "Die Weltmaschine" and of the "Mathematikum" in Giessen <a href="http://www.weltmaschine.de">www.weltmaschine.de</a> <a href="http://www.mathematikum.de">www.mathematikum.de</a> ---
	PM	13:00 Welcome coffee and registration	14:00 <b>Session 3 Part 1: DIRC Detectors- Jochen Schwiening</b> (until 15:50) (Castle Rauschholzhausen ( Conference Room ) )
14:00 <b>Session1 Part 1: Photon Detection- Michael Düren</b> (until 16:05)		14:00 The Panda Barrel DIRC - <i>Carsten Schwarz</i>	
14:00 Welcome and scope of the workshop - <i>Michael Düren</i>		14:40 The Panda 3D Disc DIRC - <i>Michael Düren</i>	
14:10 SiPMs for HEP Detectors - <i>Erika Garutti</i>		15:20 The WASA FL Disc DIRC - <i>Klaus Föhl</i>	
14:50 Timing and low temperature properties of SIPMs - <i>Gianmaria Collazuol</i>		15:50 --- Coffee ---	
15:15 Position sensitive SIPM Detectors for Cherenkov applications - <i>Lukas Gruber</i>		16:10 <b>Session 3 Part 2: DIRC Detectors- Albert Lehmann</b> ( <i>Universität Erlangen(UErI)</i> ) (until 18:30)	
15:40 Report by Philips: Optimization of the digital Silicon Photomultiplier for Cherenkov light detection - <i>Thomas Frach</i> ( <i>Philips Aachen</i> )		16:10 Prototyping the WASA DIRC - <i>Adrian Schmidt</i> ( Castle Rauschholzhausen ( Conference Room ) )	
16:05 --- Coffee ---		16:40 The GasToF for CMS and ATLAS forward protons - <i>Krzysztof Piotrkowski</i> ( Castle Rauschholzhausen ( Conference Room ) )	
16:25 <b>Session1 Part 2: Photon Detection- Rainer Novotny</b> ( <i>2nd Physics Institute, University Giessen</i> ) (until 19:30)		17:10 The ATLAS forward proton project - <i>Andrew Brandt</i>	
16:25 Lifetime-Issues of MCP-PMTs - <i>Kazuhito Suzuki</i>		17:40 Discussion( Castle Rauschholzhausen ( Conference Room ) )	
16:50 Microchannel Plate PMT Lifetime and Performance Studies - <i>Andrew Brandt</i>		18:30 --- Dinner in Rauschholzhausen ---	
17:15 Lifetime-Issues of MCP-PMTs - <i>Alexander Britting</i>		21:00 --- Bus back to Giessen ---	
17:40 Photocathode aging in MCP-PMTs - <i>Mikhail Barnyakov</i>			
18:05 Report by Hamamatsu - <i>Siegfried Schmid</i>			
18:30 Report by Photonis/Burle - <i>Emile Schyns</i>			
18:55 Report by Photek: Recent Experiments and Modelling of Diamond Dynode Photomultipliers - <i>John Howorth</i>			
20:00 --- Dinner -- Brewery Alt Giessen, Westanlage 30-32 (expenses not included in conf. fee) ---			

M. Düren, DIRC11, April 4, 2011

Tomorrow



Tuesday 05 April 2011	
09:00	--- Bus from Giessen (parking lot at physics institute, Leihgesterner Weg) to Rauschholzhausen ---
10:00	<b>Session 2: DIRC Detectors- Lars Schmitt</b> ( <i>Gesellschaft für Schwerionenforschung mbH</i> ) (until 12:25) (Castle Rauscholzhausen ( Conference Room ) )

M. Düren, DIRC11, April 4, 2011

Wednesday

# mathematikum

Mathematik zum Anfassen.





Today

- Who will join us for Dinner?

20:00

--- Dinner -- Brewery Alt Giessen, Westanlage 30-32 (expenses not included in conf. fee) ---



Today

PM

13:00	Welcome coffee and registration
14:00	<b>Session1 Part 1: Photon Detection-</b> Michael Düren (until 16:05)
14:00	Welcome and scope of the workshop - Michael Düren
14:10	SiPMs for HEP Detectors - Erika Garutti
14:50	Timing and low temperature properties of SIPMs - Gianmaria Collazuol
15:15	Position sensitive SiPM Detectors for Cherenkov applications - Lukas Gruber
15:40	Report by Philips: Optimization of the digital Silicon Photomultiplier for Cherenkov light detection - Thomas Frach ( <i>Philips Aachen</i> )
16:05	--- Coffee ---
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