

17th Terascale Detector Workshop

Micropattern Gaseous
Detector School
Organisation

Dr. Philip Hauer



General Overview

Two lectures:

1. Introduction to MPGDs (Presentation room)
2. Introduction to Garfield++ (Presentation room)

Three exercises:

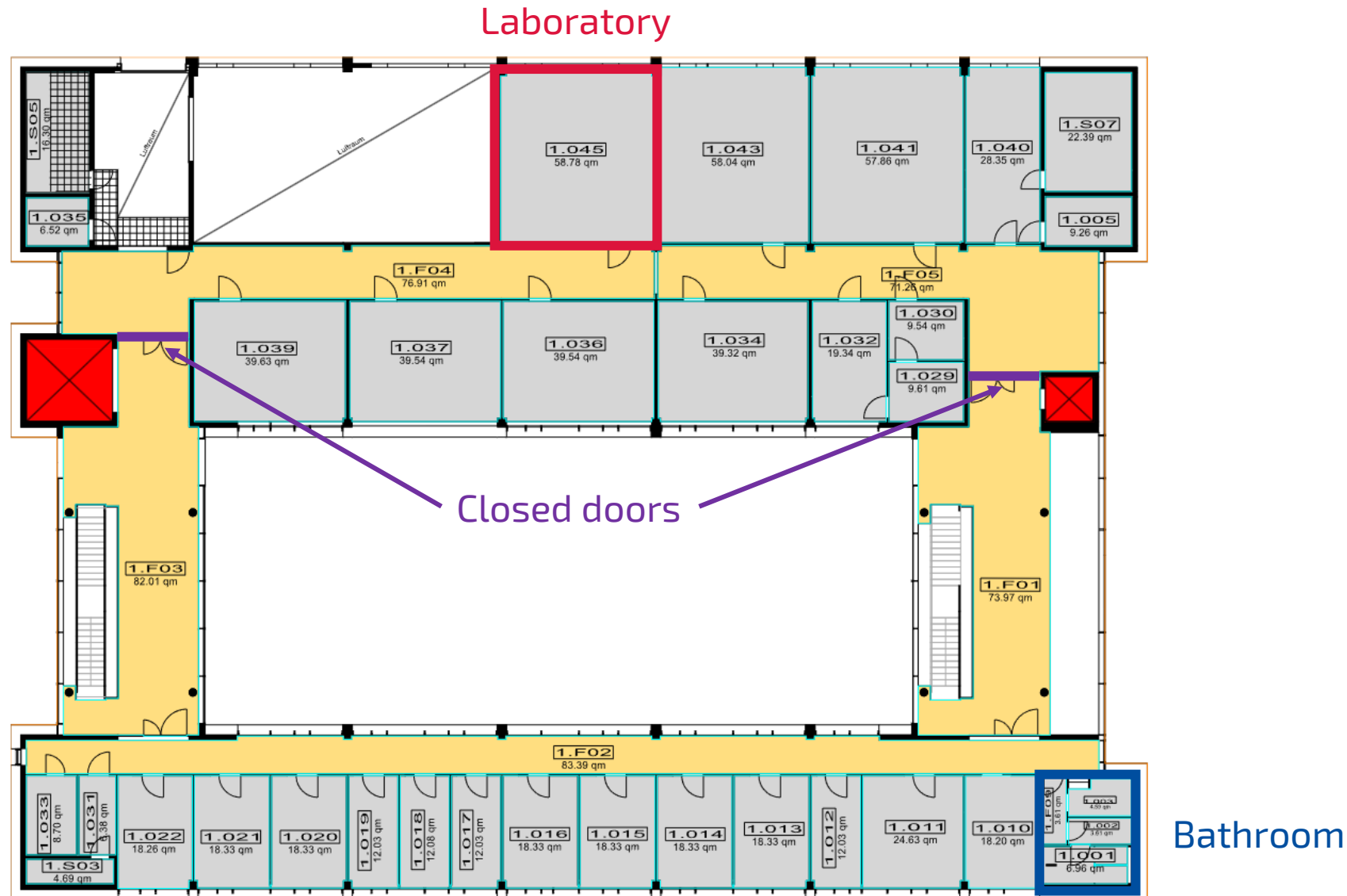
1. Assembly of a GEM detector (Clean room FTD)
2. Characterisation of a GEM detector (Laboratory 1.045 AG Ketzer)
3. Simulation of a GEM detector (Presentation room)

Meeting point always presentation room!

Floor plan ground floor



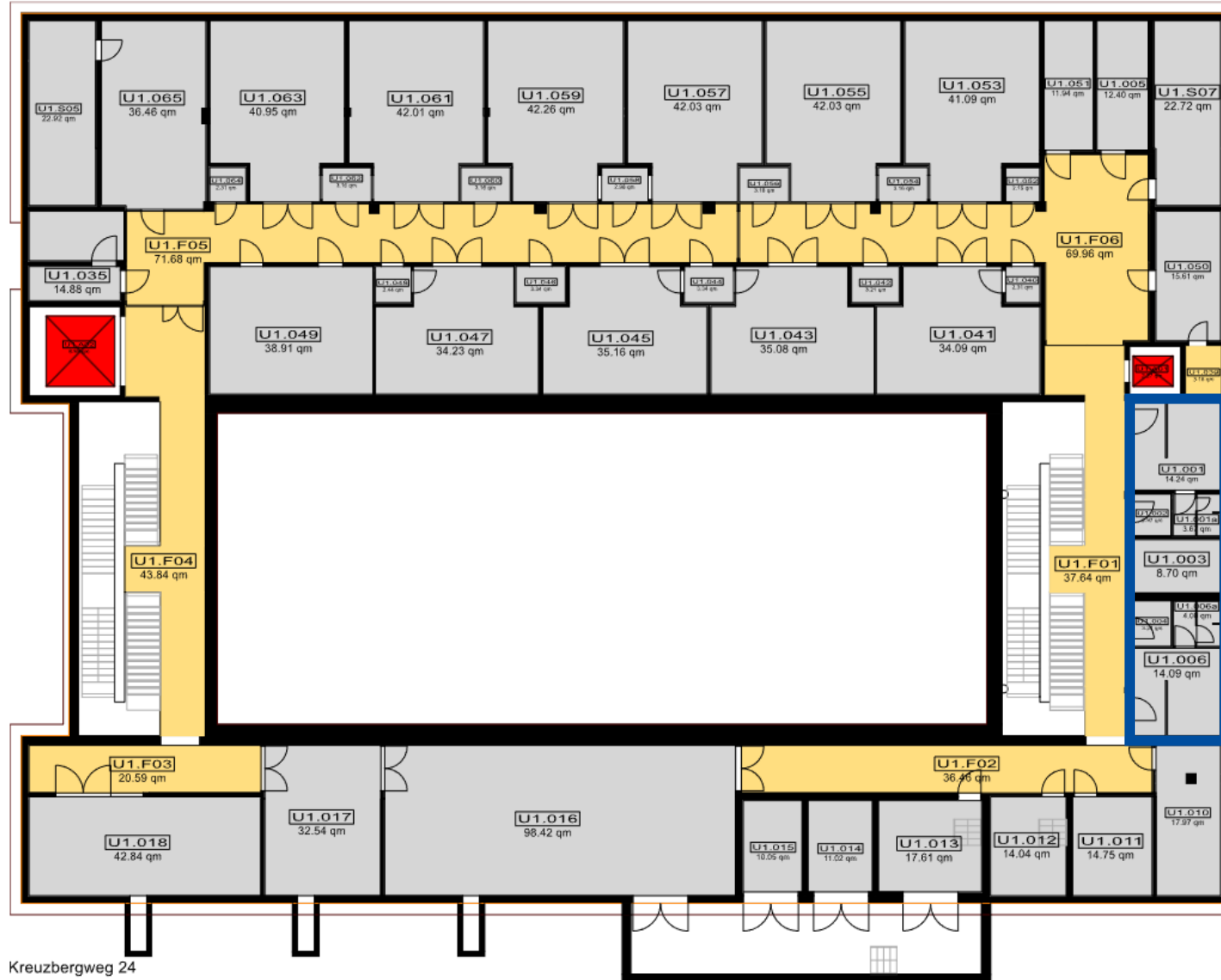
Floor plan first floor



Floor plan second floor



Floor plan basement



Kreuzbergweg 24
1. Untergeschoss

Bathroom
for wheelchair users
(take elevator)

Timetable

Monday:

10:00	Introduction and Welcome to FTD <i>Jochen Dingfelder et al.</i>		
	<i>Presentation Room FTD</i> 10:00 - 10:15		
	Lecture - Introduction to MPGDs <i>Jochen Kaminski</i>		
11:00			
	<i>Presentation Room FTD</i> 10:15 - 11:45		
	Radiation Protection Course <i>Presentation Room FTD</i> 11:45 - 12:00		
12:00	Introduction to Garfield++ <i>Konstantinos Nikolopoulos</i>		
	<i>Presentation Room FTD</i> 12:00 - 12:30		
	Lunch Break		
13:00			
	12:30 - 14:00		
14:00	Group 02 - Characterisation of a GEM Detector	Group 03 - Simulation of a GEM Detector	Group 01 - Assembly of a GEM Detector
15:00			
16:00			
17:00	Laboratory 1.045 (FTD) 14:00 - 17:30	Presentation Room (FTD) 14:00 - 17:30	Cleanroom (FTD) 14:00 - 17:30

Tuesday:

09:00	Group 02 - Simulation of a GEM Detector	Group 03 - Assembly of a GEM Detector	Group 01 - Characterisation of a GEM Detector
10:00			
11:00			
12:00	Presentation Room (FTD) 09:00 - 12:30	Cleanroom (FTD) 09:00 - 12:30	Laboratory 1.045 (FTD) 09:00 - 12:30
	Lunch Break		
13:00			
			12:30 - 14:00
14:00	Group 02 - Assembly of a GEM Detector	Group 03 - Characterisation of a GEM Detector	Group 01 - Simulation of a GEM Detector
15:00			
16:00			
17:00	Cleanroom (FTD) 14:00 - 17:30	Laboratory 1.045 (FTD) 14:00 - 17:30	Presentation Room (FTD) 14:00 - 17:30

Wednesday:

09:00	HOCHRAGEND Consortium Meeting	Silicon-D Consortium Meeting
10:00		
11:00		
12:00	09:00 - 12:30	FTD presentation room 09:00 - 12:30
13:00	Lunch Break	
14:00	Welcome 14:00 - 14:15	
15:00	Highlights from the BMBF Detector R&D Consortia <i>Frank Simon et al.</i> <h1>Report about school</h1>	
	Rotation Building, main lecture hall 14:15 - 15:15	
	Tracking: Requirements and Technology Challenges <i>Ingrid-Maria Gregor</i>	
	Rotation Building, main lecture hall 15:15 - 16:00	
16:00	Coffee Break	
	Rotation Building foyer 16:15 - 17:00	
17:00	Calorimetry: Requirements and Technology Challenges <i>Sven Menke et al.</i>	
	Rotation Building, main lecture hall 17:00 - 17:45	
	Cold electronics: lessons from cryogenic neutrino detectors for future calorimeters <i>Roger Huang</i>	
18:00	Rotation Building, main lecture hall 17:45 - 18:30	

Report about school

- One brief report about each exercise (2-3 slides)
- Tuesday morning:
 - Group 1: Characterisation of GEM detector
 - Group 2: Simulation of a GEM detector
 - Group 3: Assembly of a GEM detector
- Don't forget to take photos during the exercise and show them 😊
- Now: Time to organise in groups
- Preferences?

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Thanks for your attention!

Thanks for your attention & have fun 😊

Questions?

You can find me in the presentation room or send me an e-mail

Dr. Philip Hauer

hauer@hiskp.uni-bonn.de

