Karlsruhe Institute of Technology

ETP Weekly Meeting

29.01.2024

Markus KLUTE (markus.klute@kit.edu)
Institute of Experimental Particle Physics (ETP)

DPG @ KIT

- A packed schedule, lots of **interesting events** (from a 100th birthday to physicists in industry)
- Lots of work, too!
  → **thanks a lot** to everybody who volunteered to help

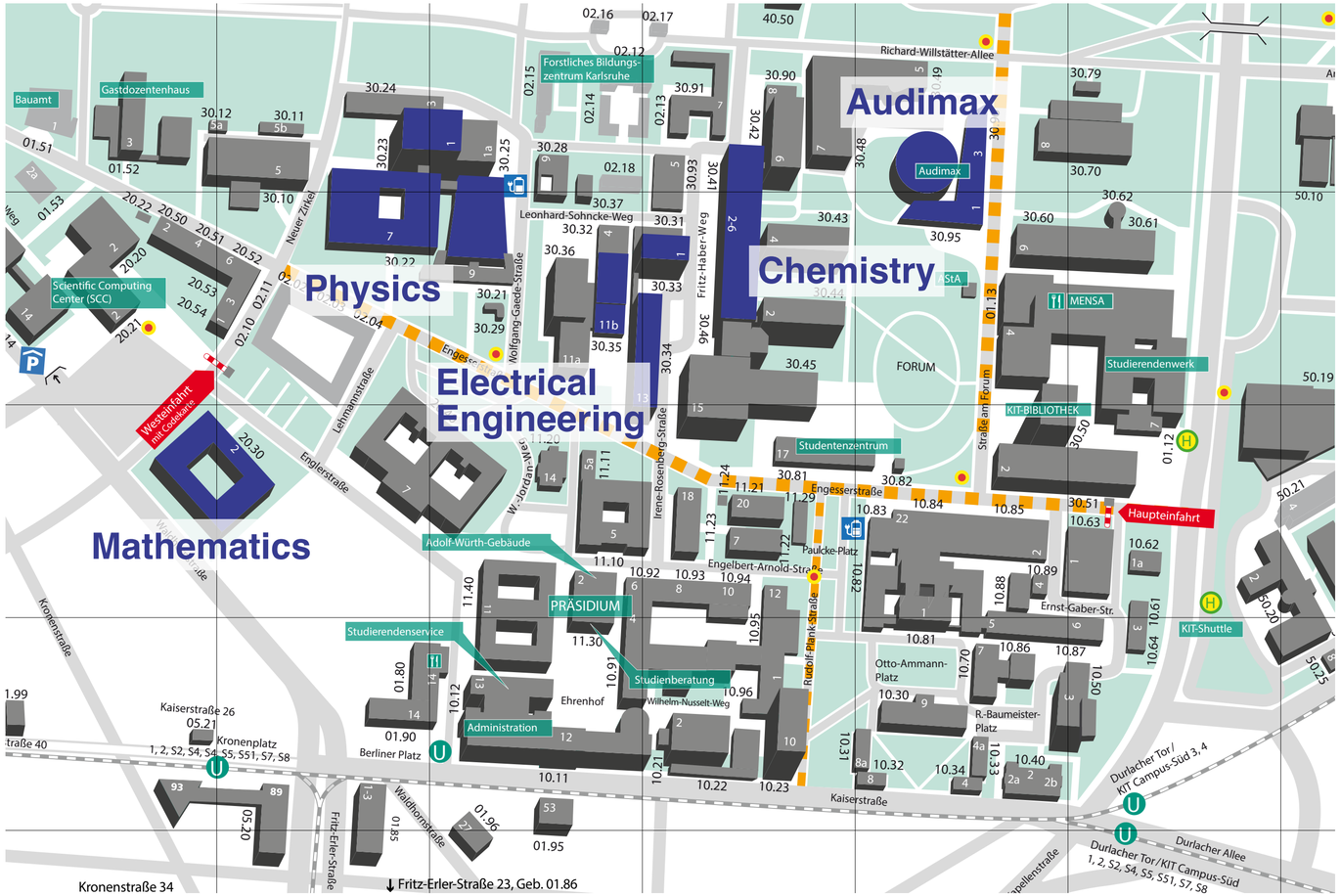
5 weeks from today!

DPG 2024 Karlsruhe: Timetable

Start	Monday, March 04	Tuesday, March 05	Wednesday, March 06	Thursday, March 07	Friday, March 08
8:30					
8:45					
9:00	jDPG Tutorials (30.23 3/1)	Invited Overview Talks (30.95 Audimax)	Invited Overview Talks (30.95 Audimax)	Invited Overview Talks (30.95 Audimax)	Parallel Sessions
9:15					
9:30					
9:45					
10:00					
10:15					
10:30					
10:45					
11:00	Registration	Plenary Talk (30.95 Audimax)	Ceremony Herwig Schopper (Audimax)	Invited Topical Talks (30.21 Gerthsen, 30.22 Gaede)	Plenary Talk (30.95 Audimax)
11:15					
11:30					
11:45		Invited Overview Talks (30.95 Audimax) / AKC Women in Physics (30.22 Lehmann)			Invited Overview Talks (30.95 Audimax)
12:00					
12:15					
12:30					
12:45					Closing Session (30.95 Audimax)
13:00					
13:15					
13:30	Opening Session (30.95 Audimax)				
13:45					
14:00	Plenary Talk (30.95 Audimax)	Invited Topical Talks (30.21 Gerthsen, 30.22 Gaede)	Symposium: Future (30.95 Audimax)	Invited Topical Talks (30.21 Gerthsen, 30.22 Gaede)	
14:15					
14:30					
14:45	Invited Overview Talks (30.95 Audimax)				
15:00					
15:15					
15:30					
15:45					
16:00	Parallel Sessions	Parallel Sessions	Parallel Sessions	Parallel Sessions	
16:15					
16:30					
16:45					
17:00					
17:15					
17:30					
17:45					
18:00					
18:15					
18:30					
18:45			Physikertheater (30.22 Gaede)		
19:00	Welcome Evening (20.30 Mathematics Foyer)	jDPG Physics in Industry (30.22 Lehmann)		Members' Assembly Division Particle Physics (30.22 Lehmann)	
19:15					
19:30		Public Evening Lecture (30.95 Audimax)	yHEP Annual Meeting (30.22 Gaede)		
19:45					
20:00					
20:15					
20:30					
20:45					
21:00					
21:15					
21:30					
21:45					
22:00					
22:15					

DPG @ KIT

- More than 100 persons registered in Indico, many for ETP → a big thanks!
- Let’s make a big effort to showcase Karlsruhe as a **great place for (astro) particle physics**
- For paid student assistant (“HiWi”) jobs: mind tax rules (e.g. up to 538 EUR in total is tax free)



Summer Term Teaching

- Please let us know if you have comments or concern!
- Mod Phys III: Torben, Kathrin, Markus, Nils, Caroline, Maximilian, Moritz, Olha, CN PhD
- CGDA: Ulrich, Felix, Thorsten, Cedric
- TP2 - W, Z, Higgs: Benedikt, Nils, Markus, Ralf, Jay
- TP2 - Top, QCD, Jets: Thomas, Klaus, Alejandro, Aritra
- P3: Isabel
- Data Analysis: Pablo, Sally, Alessandro, Greta, Raquel, Xunwu

News from the Admin Team

- LDAP

New LDAP System

- We migrated our LDAP to a new system over christmas
- Based on 389DS
- Fully containerized

New Web Interface

- A new web interface for the secretaries will follow
- Christian is working on it

- Password Update
  - With the new LDAP, a password update is necessary
  - We move from SSHA to PBKDF2-SHA512
  - If you are interested in why: Link 1, Link 2

News from the Admin Team

- How to find a good password

A secure password should:

- be at least 12 characters long
- contain a special character
- consist of 3 character classes or more
- no need to be complicated (see xkcd explanation)

A secure password should not:

- contain personal information (e.g. birthday) -> easy to guess
- contain a sequence (e.g. 1234, abcd, ...)
- be inside a dictionary -> easy to automatize an attack

Recommendations:

- Do not reuse paswords for multiple things
- Use a password manager
- Regularly check your accounts and passwords

News from the Admin Team

- Password policy

Our policy:

- must not contain your old password (sorry)
- be at least 12 characters long
- contain a special character
- consist of 3 character classes or more
- max repetition of a characters is 2 (99: ok, 999: not ok, !!: ok, !!!: not ok)
- character sequences are only allowed up to 2 (12: ok, 123: not ok, ab: ok, abc: not ok)
- also in "physical"direction - qwerty is not allowed ;-)

- Changing your password

- Connect (or login) into one of our desktops/servers
- e.g.: »`ssh <username>@portal1.etp.kit.edu`«
- type »`passwd`« and follow the prompts

Attention

Unfortunately, if your chosen password does not match the requirements, it does not report this back but just fails. Therefore, choose your passwords carefully!

ETP Event in 2024

- Most difficult step in planning events is finding the date.
- Here are proposals for 2024
  - Summer Party - 21.06.24
  - Summer Hike - week of July 29, 2024
  - Christmas Party - 06.12.24
- Other events
  - FCC community event May 22-24 in Bonn

Today's Presentation

- Johannes Gässler: Workflow and Performance Optimization for Fast NNLO pQCD Calculations