

Perspectives for Accelerator Physics and Technology

Komitee für Beschleunigerphysik

Vielen Dank an Norbert Pietralla !

Hörsaal im Uhrturm

Die Sanierung (Abschluss 2015, Kosten: 3,4 Millionen Euro) konnte dank der Mittel des Hochschulpakts 2020 des Landes Hessen und des Bundes verwirklicht werden.



Der Hörsaal im Uhrturmgebäude, 1904:
Hier hielt **Erasmus Kittler**, **der weltweit erste Professor für Elektrotechnik**, seine Vorlesungen.

Ingmar Jung, Staatssekretär im Hessischen Ministerium für Wissenschaft und Kunst:
„Selten sind Architektur, Denkmalschutz und Wissenschaft in einem Projekt so verbunden wie hier. Es wurde ein Ort geschaffen, der Tradition und Moderne verbindet – hier wird die Lehre Spaß machen!“



Perspectives for Accelerator Physics and Technology

16-17 February 2017

Hörsaal im „Uhrturm“

Hochschulstraße 4

TU Darmstadt

<http://indico.cern.ch/event/581462/>

Presentations by users: Accelerators are used in many different areas: E.g. nuclear physics, HE physics, condensed matter, medical and industrial applications. The presentations of the users will concentrate on future needs, an outlook on accelerator and beam requirements for the next 10-20 years will be given.

Presentations from the perspective of accelerator physics: For the various fields of application it will be presented which accelerators are planned / under study / possible, and in which areas of accelerator physics and technology additional research & development is necessary to build such accelerators.

The current state of research and an outlook on future developments in various selected fields of accelerator physics and technology will be presented.



Workshop Program

Thursday

14:10 Welcome (10 min) + Part I

16:20 Coffee break

16:50 Part I + II

20:00 Dinner

22:00 End

Friday

8:30 Part II+III

10:30 Coffee break

11:00 Part III

13:00 Lunch

14:00 Part III + **Discussion**

17:00 End

Presentations:

- 30 min (including questions)
- Chairpersons (KfB)
- Last slide: Perspectives

Perspectives for Accelerator Physics and Technology

The workshop is intended to set up a longer-term strategic discussion

-> Strategiepapier ***Beschleunigerphysik 2030***

Three parts:

1. Needs for the community using accelerators for the next 10 - 20 years
2. What facilities are upcoming/ planned / being considered ?
What R&D is required to upgrade/ build such facilities ?
3. Technologies for enabling future accelerators

Perspectives for Accelerator Physics and Technology

Summary of the concluding slides will be published (workshop page)

The workshop should provide input for:

- 1) Strategietreffen PkT, 15-16 Mai 2017, BMBF, Bonn
- 2) Verbundforschungsworkshop PkT, September, 2017

Please contact the Workshop organizers if you have specific input for the upcoming BMBF strategy discussions !

Organizing committee

Andreas Jankowiak
Andreas Peters
Norbert Pietralla
Oliver Boine-Frankenheim
Rüdiger Schmidt
Shaukat Khan
Wolfgang Hillert

Workshop secretaries:

Carina Seeger (TU)
Stefani Sapountzi (CERN)

Technical support:

Oliver Haas (TU)