

Meeting of Project Board Accelerator

6.10.2010, 16:00-17:00, Phone Conference

Present: E. Elsen, W. Hillert, G. Müller, J. Osterhoff, apologies received from R. Assmann, A. Caldwell, S. Khan and C. Zeitnitz

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Announcements

The Management Board will meet Oct 11, 2010. There will be some discussion of the continuation of the Terascale Alliance beyond 2012.

DESY will hold a second *Ideenmarkt für Beschleuniger* November 23-24, 2010. Again abstracts for 10-min contributions on both technical aspects of accelerators and proposals for new accelerators are invited and thought to serve as a brainstorming for future projects at DESY. Alliance members are welcome to contribute. More information on submission of abstracts is available from the [web-page](#). Registration is necessary.

Efforts are under way to extend the programme "Structure of Matter" in the Helmholtz Association to include a programme on accelerator Research and Development (ARD). This is accompanied by experts from the respective Helmholtz centres and by members of KfB (see below).

Perspektiv-Workshop Dortmund

KET is instigating a new HEP strategy process and calls for participation at the [KET Perspektiv-Workshop](#) in Dortmund, Oct. 25-26, 2010. The strategy evidently depends on options that can be realised with existing and new facilities. Clearly LHC will be in the focus, LC will fair prominently and other ongoing activities will be exposed in the plenaries. There will be a parallel session on novel accelerators followed by a session on options at DESY. The latter will explore programme options around the existing accelerator structures.

Attendance of accelerator experts is welcome.

Komitee für Beschleunigerphysik

Following the example of particle physics (KET) and nuclear physics (KHuK) accelerator physicists are founding their committee, *Komitee für Beschleunigerphysik*, [KfB](#). Some 260 physicists have signed up at this stage. The election for the regional representatives is imminent and will be carried out by PT-DESY. The goal is to complete the process before the November KET meeting in Bad Honnef. The KfB will give guidance on which DPG-Fachbereich to emphasise for accelerator research topics.

Preparation of Terascale Annual Workshop

The Annual Workshop will be held in Dresden, Dec 1-3, 2010. The accelerator group has a time slot of 150 min. This time is easily filled. The current contribution count is Bonn 2, DESY 2, Wuppertal 2. Dortmund, Hamburg, Munich and possibly CERN should also make their claims to E. Elsen and W. Hillert, who are organising the session.

Ongoing Program

Bonn: Work on Compton polarimeter goes on after initial difficulties with the operation of frequency doubled laser. The feedback cavity for the beam transport is being inserted and construction on the beam injection continues.

DESY: Cavities for XFEL and ILC-HiGrade have been ordered. DESY is preparing tools for thorough investigation of the cavities, such as optical inspection, quench detection by second sound.

Wuppertal: A PhD thesis on field emission studies will soon be completed. A master student will continue with the work. The activities on photo-enhanced field emission for electron sources will be greatly aided with the tuneable laser that has been ordered.

Novel acceleration techniques

J. Osterhoff started at the University of Hamburg on Sep 1, 2010. The plasma activities in Hamburg will be based both on simulations, where close links exist to Instituto Superior Técnico Lisbon (3d-PIC codes) and experimentation on electron beam lines of DESY. The details and options are currently being explored and a full research plan is being developed.

Next Meeting

The date of the next meeting will be separately announced.