

Meeting of Project Board Accelerator

20.2.2008, Phone Conference

Present: E Elsen, W Hillert, G Müller, S Khan

Management Board

2

Accelerator School

2

Next Meeting

3

Management Board

The next meeting of the Management Board will take place 22.2.2008.

Accelerator School

The preparations for the Accelerator School 10.-14.3.2008 are in full swing. Speakers for the relevant topics have been found.

Advertisements have been distributed to all institutes and are displayed. All Terascale institutes have been contacted twice. Nonetheless, the participation is still somewhat small, currently 15 participants. It seems that at this time mostly students (before Diploma) have reacted and less so the PhD students and postdocs. It is felt that the lectures are useful in particular for the startup period of LHC and hence that an extra effort should be made to engage the latter people to attend the school. The PB will take the following measures:

- extend the deadline to 29.2.2008
- contact the Management Board and ask for extra engagement
- write a final letter announcing the shift of the deadline

The program of the school seems promising. The different topics interact nicely. There is very little duplication and the basic accelerator topics are covered. In detail the following arrangements have been made

- Synchrotron radiation will be thoroughly introduced in the Novel Accelerator Session (and be extended to FELs). The Linear Collider lecture will only make reference to the topic.
- The acceleration will initially be dealt with in a standing wave concept (SRF cavities). The Linear Collider lecture will discuss the properties of standing wave and traveling wave concepts. The Novel Acceleration lecture will intensify the traveling wave concept with the two-beam wake-field acceleration.

Slight rearrangements were decided for the sequence of lectures and exercises in order to comply with boundary conditions. The Monday/Tuesday exercises may still have to be swapped depending on availability of support.

	Monday	Tuesday	Wednesday	Thursday	Friday
Morning 1	Accelerator Physics	Accelerator Physics	Large Hadron Collider	Large Hadron Collider	Novel Accelerator Concepts
Morning 2	Superconducting RF Structures	Superconducting RF Structures	Linear Colliders	Novel Accelerator Concepts	Linear Colliders
Afternoon	Exercises: Superconducting RF Structures	Exercises: Accelerator Physics	Exercises: Large Hadron Collider	Exercises: Novel Accelerator Concepts	Exercises: Linear Colliders

Depending on the number of participants extra postdoc support will be needed for the exercises. There should not be more than 10 students per assistant.

Tools

- S Kahn will organize 12 licenses for Microwave Studio. The installation requires several CDs to be mounted per computer. For a larger number of PC this may take up to a day. A student will be hired to care for the installation.
- All computers should have an installation of Scilab and Octave; a license-free MATLAB-like programming environment.
- A MAD installation may be useful for demonstration. It is not foreseen for the students.
- Special installations will be required to run the Plasma code (Pukhov Düsseldorf).

The talks will be made available as pdf-files. They will be password protected in order to avoid possible copyright infringements.

It is foreseen to issue a certificate at the end of the School.

Next Meeting

Date to be decided during the Accelerator School.