

Introduction & Report

C. Kiesling

- Mission of the Workshop
- Organizational Matters
- News on Funding of SuperKEKB
- New Initiatives
- Areas Needing Attention

Mission of the Barcelona Workshop

The DEPFET Collaboration is determined

- to build the PXD for the Belle-II experiment at SuperKEKB (short term, highest priority)
 - to harvest the rich physics of the future SuperKEKB Factory (medium term)
- and (with lower priority)
- to keep in touch with the developments for „pixels@FLC“ (medium to long term)

This workshop addresses (mainly) the short term issues

Mission of the Barcelona Workshop (cont.)

Phases of the PXD Project

Design	Prototypes	Tests	Production	Integration.	Comm.
2009 +	2010.7	2010.8-12	2011.3 – 2012.4	-2012.12	-2013.7

The Collaboration is well organized:

Workpackages, responsibilities, overall schedules are defined

However: We enter now a phase where concrete planning is mandatory
(define all technical details and establish firm schedules)

→ Immediate milestones:

- Machine parameters will be defined very soon (end of this month?)
- Technical Design Report to be delivered by 2010.3

Organizational Matters

Our Collaboration:

- Regular EVO-Meetings of the Collaboration (every 2nd Tuesday 10:00)
- EVO-Meetings (on demand) of Workpackage Groups
- Documentation (meetings, technical issues) in the TWiki page
- Liaison at KEK (Integration Coordinator) in progress

Belle-II Collaboration

- Several DEPFET member institutions have applied for membership In Belle-II (Karlsruhe, MPI, Prague are members, Bonn applied recently)
- Other groups are encouraged to follow

News on Funding for SuperKEKB

- KEK had applied for a new (stimulus) fund
„Most Advanced Research and Development“

(MEXT had urged KEK to apply for partial support for SuperKEKB)
- Unfortunately, request for SuperKEKB „startup“ money was denied
(funding mostly for applied sciences)
- Bit disappointing that funding of SuperKEKB cannot be announced
already at this time
- Now back to original plan to get the funding from MEXT
→ decision by the end of this (fiscal) year


New Initiative: Tracking Task Force

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Belle Tracking Meeting

- [Registration](#)
- [List of registrants](#)
- [Timetable](#)
- [Venue](#)
- [Arrival](#)
- [Accommodation](#)
- [Public Transport](#)
- [Vienna Guide](#)

Belle tracking meeting, September 14-15, 2009, Vienna

The purpose of this meeting is to discuss the possibilities for a new tracking code for Belle-II, emphasizing the low energy tracking ("SVD-only").

The meeting will take place in the morning and early afternoon of **Tuesday, September 15, 2009**. So, the arrival day should be Monday for most of you. The detailed timetable is available [here](#). Venue is the [Institute of High Energy Physics, Library \(1st floor\)](#).

If you would like to participate in this meeting please register [here](#) until **Monday, September 7, 2009**.

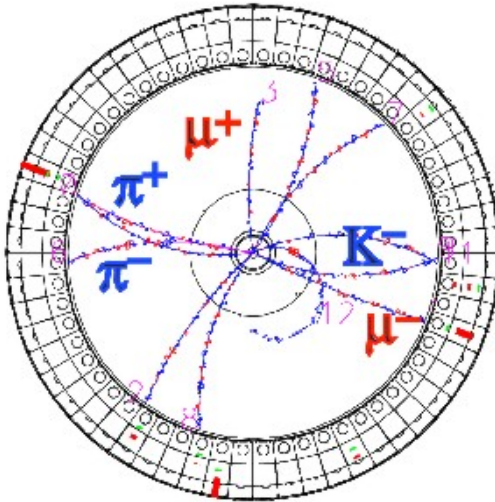
Besides timetable and registration, this homepage contains practical information regarding the meeting. If you have any further question/request please contact the [local organizer](#).

With best regards,

Christoph Schwanda.

Organizer

- Christian Kiesling (cmk@mpp.mpg.de)
- Christoph Schwanda (schwanda@hephy.oeaw.ac.at)



Aim: New tracking code
for Belle(-II)
(in C++) for
PXD, SVD, CDC

<http://kds.kek.jp/conferenceOtherViews.py?view=standard&confId=3742>

Tracking Task Force (cont.)

Teams:

Vienna, Prag, Karlsruhe, MPI, contact for CDC (in Japan) needed

Advisory status: Techn. Univ. Munich

Results:

- group is formed, chaired by Martin Heck (Karlsruhe)
- regular meetings on Tuesdays (once a month)
- first meeting on Oct. 13, 2009)

Areas Needing Attention

Most workpackages have a reasonably well defined TaskList + Schedule

Less well defined (yet) but extremely important are the following areas:

- mechanical support of the ladders (end of stave)
we have some ideas, but need now to go into mock-ups to test for feasibility
- cooling issues
there are now 3 different schemes for cooling
Which one does the job? Need mockups for realistic tests,
Have to prepare a decision procedure
- interface of ladders to the outside services (DHH)
some ideas exist, need to interact with IP group etc.

Program of the Barcelona Workshop

Sessions:

Optimization (PXD layout)
Sensors
Electronics
Interconnections
Thermo-Mechanics
Interaction Region / MDI
Test Beam Results
Test Procedures

Convenors:

CK
Rainer Richter
Peter Fischer
Laci Andricek
Hans-Jürgen Simonis
Hans-Günther Moser
Marcel Vos
Jelena Ninkovic

Many thanks to our Spanish hosts for the organization and for providing the pleasant infrastructure for this meeting