

JOINT BELLE II & SUPERB BACKGROUND MEETING



VIENNA, AUSTRIA 9-10 FEBRUARY 2012

Welcome + Discussion items for this meeting

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Welcome!



This is the first joint SuperB - Belle II workshop since the formal start of the two projects.

We do already have tradition, however:

- Joint super B factories workshops in Hawaii in 2004 and 2005 (understanding of backgrounds was one of the important issues, and on one of the workshops P. Raimondi first presented the nano-beam scheme...)
- In the early BaBar/Belle days there was a dedicated backgrounds workshop in Hawaii (with proceedings published by World Scientific)
- B-factory physics legacy book in preparation

How did we get here?

The idea to have joint workshops has been around for some time, since we found the mutual visits to the collaboration meetings extremely useful, but wanted to further boost the exchange of ideas and discussions.

It got some additional momentum through a high management meeting during the Elba May 2011 SuperB meeting. The idea for this workshop was finalized during Francesco Forti's visit to KEK in November 2011.

What remained was the venue. This time our Vienna colleagues kindly offered their hospitality, and we are very grateful for their effort!

Other joint workshops on specific topics are likely to be organized in the future. And of course, we are all looking forward to the next occasion in some nice Italian place...

Spirit of the workshop

We expect the meeting to run with

- friendly discussions
- mutual understanding
- barrier free communication

This has already been felt during the program preparation when Francesco, Eugenio, Manuela, Yutaka, Hiro and myself had two excellent and very efficient meetings.

Discussion items for this meeting

We want to understand

- Background level of each individual source
- How to mitigate each source (including shielding)
- Simulation tools
- Hardware of the two IRs

In cases we do not agree on the background levels and properties, we want to understand the reason for this (of particular importance: the two photon background).



Format of the workshop:

Presentations of project status, IR hardware and software tools.

Presentations of each background source studies in both projects

Discussions in discussion sessions, but also during the presentations, at lunch time and during the dinner tonight.

Understanding backgrounds and how to mitigate them is absolutely vital for our experiments.

Expect an exciting workshop...

What comes next?

We encourage people to remain in touch after the workshop and continue the discussions.

A follow-up workshop is not planned at the moment, but it is possible depending on the outcome of this one.