

Minutes of the Physics Board Meeting

6/12/2012

Participants:

Klaus Goetzen, Paola Gianotti, Soren Lange, Johan Messchendorp, Diego Bettoni, Stefano Spataro, Marco Maggiora, Felice Iazzi, Frank Maas.

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PG goes through the list of the Physics Committee members to check who is following what.

1. Gluonic excitation	Klaus Peters
2. Charmonium Physics	Diego Bettoni
3. Hadrons in nuclei	Albrecht Gillitzer
4. Heavy hadrons in matter	Volker Metag
5. Wide Angle Compton Scattering	Michael Dueren ?
6. Hypernuclear Physics	Felice Iazzi
7. QCD Dynamics	Tord Johansson
8. Time-like form factors	Frank Maas
9. Drell-Yan processes	Marco Maggiora
10. Heavy-light systems	Johan Messchendorp
11. Barionic resonances	Ulrike Thoma
12. Electroweak Physics	Lars Schmitt

There is an overlap within item 3 and 4. The 2 conveners are asked to better specify their interest, and to cooperate.

Lars Schmitt has pointed out that he would like some help for DDbar mixing study. SL will follow this topic.

Michael Duren has already told that he has no resource to follow the topic of WACS, but he wants to remain in the Committee. It has been agreed that MM and FM will interact with him and report on his topic.

PG reminds that the today meeting was organized to prepare the agenda for the Physics Session taking place next week during the Collaboration Meeting. There are 3 hours available: 1.5 on Thursday, and 1.5 on Friday. The idea is to have 6 general presentations on different PANDA Physics items.

Six topics has to be chosen to be discussed in the Physics Session to start the review process of the PANDA scientific program.

After a general discussion it has been agreed unanimously to address the following topics:

1. X, Y, Z states. (Soren Lange)
2. Heavy-light systems. (Johan Messchendorp)
3. Charmonium physics (mainly below $D\bar{D}$ thr.). (Diego Bettoni)
4. Hypernuclear Physics. (Felice Iazzi)
5. Drell-Yan processes. (Marco Maggiora)
6. Time-like form-factors. (Frank Maas)

The first 3 topics will be presented on Thursday, the last 3 on Friday.

Each presentation has to follow the skeleton prepared by KG (<http://web-docs.gsi.de/~kgoetzen/PhysCMeetingNov2012.pdf>).

FI reports that Josef Pochodzalla has new ideas on $p\bar{b}+N$ studies to be performed at PANDA and may be it would be worth to include him in the PC.

After a discussion it has been decided that it is a task of the convener of each session to follow new ideas that might born within each group, and to convey them to the Committee.