

Minutes of the Physics Board Meeting

24/07/2014

Participants:

Klaus Götzen, Paola Gianotti, Diego Bettoni, Frank Nerling, Elisa Fioravanti, Albrecht Gillitzer, Marc Pelizaeus, Susan Schadmand, Karin Schöning (substituting Tord Johansson), Marco Maggiora.

Agenda:

- missing conveners and convener's replacement;
- status of fast simulations within different groups;
- scrutiny process status;
- review of official material repository;
- relations with the TAG;
- aot.

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PG introduces the first point of the agenda: Volker Metag resigned from his position of co-convener of the "Hadrons in nuclei" group and suggest Josef Pochodzalla as his successor.

AG has been appointed by the CB ad interim convener of the "baryon resonances" group. PG got by the spokesperson the mandate to ask the resigned convener (Ulrike Thoma) suggestions for new names. She presents the list that has been proposed and open the discussion.

AG complains that this initiative has not been discussed beforehand with him personally. He refers to an agreement (between the CB chair, the spokesperson and himself) that another younger person in PANDA need first to deliver significant contributions to the progress in the field before he or she could take over the convener task. He says that he has no intention to step down from the position of convener of the "baryon resonances" group at the present stage.

PG stops the discussion. She will ask the executive board how to proceed.

There are no objections to the fact that JP takes the position of VM. This will then be submitted to the CB for the approval.

LS reports that the "electroweak physics" group and the "heavy-light systems" one present many common tasks and duties and they are working together since

some time. The proposal of the two conveners (LS and Johan Messchendorp) is to integrate the two in a single one.

The proposal is unanimously accepted.

The second and third points of the agenda are then addressed.

PG reports that there are groups that haven't started the fast simulations to be able to reply to the questions of the scrutiny group. It seems that the problem is related to the manpower. For this reason KG has prepared a list

<https://panda-wiki.gsi.de/foswiki/bin/view/PhysicsCmt/PhysicsAnalysisActivities>

of the channels that should be simulated for each scientific topic.

The list is not complete. Each convener is asked to check it and to suggest integrations. Once it will be complete, there will be a scouting for analysts in the groups that can give manpower.

MM reports that for Drell-Yan processes and e.m. form factor measurements, it is not possible to obtain results from fast simulations. Only the full simulations can produce reliable predictions. Furthermore, a reduction of a factor 10 in the luminosity could be barely accepted, but a factor 100 will completely kill these scientific items. He also stresses that the presence of the complete EMC and of the forward spectrometer will be necessary for these measurements.

AG points out that even if it is not mentioned into the "interim scrutiny group document", the questionnaire for the baryon resonances and the hadron in nuclei groups have been compiled and are available on the wiki page.

The fourth point of the agenda is then discussed.

PG reminds to everybody that the only and unique repository for talks, plots and other material is the new Drupal web site created by Udo Kurilla

<http://lxpndwww.gsi.de>

The use of the old system is discouraged. The proposal is that the upload of new material to the old site is from now on blocked.

PG reports that there are complains within the computing groups because old simulations performed with the old framework are still subject of presentations and papers.

DB reminds that it was decided time ago that no new studies were made using the old framework, but what was produced for the Physics Book is valid up to

when new material is produced and approved. He also stresses that all available resources should work to improve the available material working under the coordination of the PANDA Computing Coordinator.

PG reminds that the Publication Rules foresee written notes for each analysis work. Therefore, she asks all the conveners to push the people doing analysis to prepare regularly these documents.

LS stresses that these notes are due in any collaboration and that they will help in the review process and in the bookkeeping procedure.

PG asks information about the Lambda-Lambda bar analysis.

KS reports that the efficiencies for tracking low pt particles are in the new framework lower than for the old simulations. Together with Stefano Spataro they are investigating the reasons. From Uppsala, a new post doc will mainly work on code development and a new Ph. D. student will start doing analysis work. They both will enforce the “QCD dynamics” group.

The discussion moved to the fifth point of the agenda.

PG reminds that in September there will be a full day of Physics Workshop in which the TAG members will report on the status of the fields of their interest. Unfortunately, not all the TAG members will be able to participate. Thus, mainly the “charmonium and exotics” groups, they are planning to have a dedicated workshop to discuss with TAG members those topics that eventually will not be possible to touch in Frascati. In any case it is important that any convener keeps regular contacts with the members of the TAG.

During the physics workshop there will be also time dedicated to the reports of the joint activities on going between PANDA and CLAS12 collaborations.

SS is presently organizing these reports.

Aot

PG informs that on Aug. 20-21 there will be a meeting organized together by the chairs of the GSI and FAIR SC to discuss on the HESR science case with representatives of all 4 FAIR pillars. The PANDA spokesperson will give a talk at that meeting and other members of the PANDA collaboration will participate: PG, Frank Maas, Klaus Peters. On Aug. 12 there will be a special Exec Board meeting to organize the talk.

LS stresses that the main point under discussion is a proposal to install a "short-cut" beam-line (code-name "stovepipe") from SIS18 into the HESR to enable proton-physics in the HESR at an earlier stage.