

Minutes of WP-meeting 251

Attendance:

DESY: Ties Behnke, Ulrich Einhaus, Oleksiy Fedorchuk, Claus Kleinwort, Uwe Krämer, Oliver Schäfer, Dimitra Tsionou

Vidyo: Alain Bellerive, Paul Colas, Madhu Dixit, Keisuke Fujii, Jochen Kaminski, Tomohiso Ogawa, Amir Shirazi, Ron Settles, Aiko Soji, Akira Sugiyama, Jan Timmermans

General News:

Paul announced that there will be a task force meeting regarding the Anit-DiD on November 7th and 8th in Orsay. We are asked to give a statement about the occupancy tolerance of the TPC. However, it is not known in which unit the number should be. We have an estimate of the occupancy which should be around 5% of the voxels should still be okay. It would be very important to base this on a study with the newest background simulations. Thorsten Krautscheid had done simulations of the background of the DBD setting in his thesis (<http://hss.ulb.uni-bonn.de/2016/4464/4464.pdf>). The data files should still be around, but probably new files would have to be generated for the new L* and the two option of with/without Anti-DiD.

Paul also said there was a meeting in Japan regarding the magnet, where also Uwe and Carsten Büsser participated. There will be a report on this meeting.

PCMAG/LP setup, test beam:

Oliver: Test beam schedule:

- Currently there is a machine shutdown of DESY II. Next week a team of the Panda experiment will be in T 24 for 3 weeks.

News from the groups:

Ties reported that the study of the test beam modules has started. Uwe is looking into this. Very first investigations suggest, that the problem is on the outer circuitries, in particular the connection of the GEMs to the pad plane, and not the GEM itself. When removed from the endplate and mounted in a test chamber, sparks were observed at this place. But further studies are needed.

There was a discussion on the first collection of information made by Ron. The answers of the questions were discussed and some additional ideas were given. Paul will make a second draft until Tuesday and send it around to interested people. Still under discussion is, if also cosmics could be used. There is the limitation of the power pulsing giving only a duty cycle of 1 %. However, if only a reduced part of the chip is power pulsed (e.g. ADC, etc.) and a reduced information (yes, no) could be stored in the chip until the complete chip is powered up again. In this configuration also the time between bunch trains could be used for recording cosmics. It was pointed out, that ALICE had more problems with the initial calibration and alignment than expected. Details were however not know. Jochen promised to contact ALICE-TPC people in Bonn and find out.

A short discussion on a possible date of the gating WS ended in a preliminary date on 3rd of October during the standard WPmgt time slot. This has to be confirmed still.

AOB:

The next workpackage meeting will take place on October 20th.