

Minutes of WP-meeting 265

Attendance:

DESY: Ralf Diener, Claus Kleinwort, Uwe Krämer, Paul Malek, Ole Rogas, Oliver Schäfer, Dimitra Tsionou

Vidyo: Keisuke Fujii, Qi Huirong, Jochen Kaminski, Peter Kluit, Tomohisa Ogawa, Ron Settles, Aiko Shoji, Jan Timmermans

PCMAG/LP setup, test beam:

Ralf: Test beam schedule

- Ralf mentioned that the date of the test beam workshop is fixed to 5th and 6th of October. A questionnaire is in preparation. The DESY testbeam coordinators want to prepare for future developments at DESY and include user requirements in the planning and discussions of the near and the far future. This includes a case for the importance of the testbeam facility. LCTPC will also be invited to give a presentation.
- Starting on 12.6. there will be a test beam with the ECAL in PCMAG. Dimitra, Uwe and Mengqing are having in the coming week a testbeam with a large pixel sensor from an ECAL to test the current KPIX setup and learn about the synchronization of the data acquisition and the DESY energy cycle. The DESY ATLAS group is preparing to use TRACI to test 2PCO2 cooling with a thermal mock-up of a detector petal.
- An ATLAS group is looking at TRACI to find out, if they can use it for cooling during a test beam.

News from the groups:

Jan reported that the GridPix groups of Nikhef and Bonn will have a test beam at Bonn with a new Timepix3-based GridPix. The test beam area at the ELSA accelerator at Bonn can deliver 2.5-3 GeV electrons at high rates, which is an interesting, complementary measurement to the laser measurements done so far. The synchronization with the EUDET telescope is still under study.

Ralf shortly summarized the activities at DESY: The 10x10cm² gating GEM has finally made it through customs and has arrived at DESY. There is some progress with the second field cage: A room for construction has been assigned and outside companies have been contacted to produce parts for the mandrel. The gluing of a first dummy field cage (complete, but only a kapton foil without copper electrodes) will start hopefully this year. Everything including the quality check measurement will be done in-house. Oleksey is close to finishing the double track studies. Paul is studying the dE/dx resolution. Both are working on the data set recorded last fall. For the ROPPERY-project the first PCB with a Timepix bump bonded is finished and will be delivered to DESY, so that the remaining components can be mounted and Uli can test it.

Keisuke related, that the dE/dx measurements with and without the gating GEM are being refined and the results are looking good. Aiko will report them during a parallel session at the AWLC.

AOB:

The next workpackage meeting will take place on June 15th.