

Minutes of WP-meeting 271

Attendance:

DESY: Oleksiy Fedorchuk, Leif Jönsson, Paul Malek, Dimitra Tsionou

Vidyo: Paul Colas, Keisuke Fujii, Takahiro Fusayasu, Qi Huirong, Jochen Kaminski, Peter Kluit, Tomohisa Ogawa, Ron Settles, Akira Sugiyama, Jan Timmermans

General News:

Jochen announced that the doodle poll for the collaboration meeting showed a preferred date on 29. and 30.11.2017 for the next Collaboration Meeting. Dimitra will reserve a room for these two days.

The Interface Control Document will have to be finished at the middle of October, so we have to start seriously. There will be a first telephone meeting on Tuesday at 14:00. Jochen will send the invitations.

At the DESY ILD software group, there is a new postdoc called Remi. He is checking the performance of the calorimeters and offered to make some TPC related studies, if we have specific requests. It was suggested to look on the effect of the gaps between the modules which were introduced into the code by Frank Gaede. Also, studies regarding dE/dx performance, double hit resolution and momentum resolution were suggested. General studies are done by the tracking group, but more detailed studies like dependence on the number of track points would be interesting.

News from the groups:

Paul gave a short overview of ongoing projects at Saclay. He is preparing the LCWS together with Maxim. One week in June an intern (Pierre Hemme) made studies with the gating GEM in the CERN-GDD/RD51 lab. He could confirm, with a Micromegas detector, the measurements of a gating GEM transmission done in Japan with a triple GEM detector.

A larger TPC was also installed at Saclay taking cosmic ray data for several weeks. Paul showed the anticorrelation of the gain with pressure. A strong correlation can be observed (there is some uncertainty, however, as the temperature was not recorded). Incidentally, fixing a leak made a clear additional 20% increase of gain.

There are 3 new LP Micromegas modules planned. The design includes an improved grounding scheme of the resistive layer and different connectors to the readout electronics. A first mechanical prototype has been produced. There is also a close collaboration with the Saclay T2K group to solve common issues.

Peter announced he is introducing also gaps into a GridPix based endcap design to have a more realistic model of such a readout and study the impact of these gaps on the tracking and the physics.

AOB:

The next workpackage meeting will take place on September 21st.