

Minutes of WP-meeting 246

Attendance:

DESY: Ralf Diener, Ulrich Einhaus, Oleksiy Fedorchuk, Leif Jönsson, Dimitra Tsionou

Vidyo: Alain Bellerive, Paul Colas, Madhu Dixit, Jochen Kaminski, Michael Lupberger, Tomohisa Ogawa, Amir Shirazi, Ron Settles, Akira Sugiyama, Jan Timmermans

General News:

Ralf announced that he got feedback from NIM this morning about the GEM paper. There were a few non-critical comments which will be implemented soon.

News from the groups:

Tomohisa gave a summary on the plans of the Japanese testbeam from 31.10. to 13.11. The main point is to compare the performance of a module with a double Japanese GEM and field divider with a module with a double Japanese GEM and GEM ion gate. The 2010 and 2012 test beam showed that the Japanese module can deliver the required single point resolution both in $r-\phi$ and in z . Activities have concentrated on the gating GEM since then. It was first simulated, then ordered and produced in industry and then finally tested with respect to the electron transparency. During the 2016 test beam the focus will be on demonstrating the serviceability of the gate and to determine the single point resolution of the Japanese module including the gating GEM. The first gluing of a large gating GEM shows some sagging of the GEM and has to be improved. There are two more gating GEMs. The new module is planned to be tested in the first week with a second module with the field shaper being placed in an endplate opening close by. A detailed plan was given in Tomohisa's slides. In the second week the position of the two modules is interchanged and same data with the second module will be taken for reference.

Akira and Paul have received a request from Ties asking for a statement on the necessity of Z-pole running. The request was uploaded to the indico web-page and will be further discussed during the next WPmtg. Ron summarized the experience from LEP, where 3 pbarn^{-1} were collected at the beginning of each year and usually 0.5 pbarn^{-1} were usually requested by one of the experiments when the some subdetector was changed. A similar scenario is the TPC baseline requirement. However, alternatives (i.e. calibration with other type of events) should be explored by simulation in case adjusting the accelerator to Z-pole running is as complicated as rumors suggest.

Alain gave a rehearsal talk for his presentation at the ICHEP 2016. A few comments were made and Alain will send a link to the final version of the presentation.

AOB:

The next workpackage meeting will take place on August 11th.