

Minutes of WP-meeting 296

Attendance:

DESY: David Attie, Paul Colas, Ulrich Einhaus, Serguei Ganjour, Leif Jönsson, Tomohisa Ogawa, Oliver Schäfer

Vidyo: Qi Huirong, Jochen Kaminski, Uwe Krämer, Ron Settles, Akira Sugiyama

General News:

Paul said that the SCJ report is almost ready. A meeting was held yesterday, where the main conclusions were presented. The flavor did not seem so good, because all of the remaining questions were negative. There will be one more meeting to discuss the draft of the report and the final report will be published on 21.11. Ron observed, that the report will go to MEXT and Akira added, that the reports was not as bad as it could have been and he hoped, that Keisuke can straighten it out.

The Collaboration Meeting will come soon, so Jochen asked everyone to give an input to the agenda. There will be one session on mechanics and MDI related business, probably one session will be reserved for collaboration board. Other suggestions were: session on dE/dx , testbeam analysis & software, general prototype and common module.

Uli pointed out, that everyone who intends to come in person should register please, as DESY has to plan for the correct number of people attending the breaks and the social dinner.

PCMAG/LP setup, test beam:

Oliver: PCMAG/TRACI/test beam area:

- The DESY group has prepared everything for the Micromegas test beam, the new endplate has been mounted on the LP, PCMAG is set up and cooling, the LP is being flushed with gas.
- A new interlock system will be installed next year throughout DESY. Also the test beam areas are affected. The baseline system will not allow a bridging of the interlock system anymore. For every intervention the interlock will have to be broken, the beam will be dumped (?) and the area will have to be searched afterwards. The cables and doors for this new system are being installed. For T24/1 there will be a small difference, because the tripping of the PCMAG is not possible, so there will be two doors. The first door will be the standard interlock door, the second one will be related to the PCMAG and will still be bridgeable.

News from the groups:

Paul presented the preparations for the test beam. Four modules have been produced with an inverted HV setup: The grid is on ground and the resistive foil is on HV. This configuration is expected to reduce the field distortions. Also the mechanics for pressing the connectors to the readout plane have been improved and now 99.9 % of the pads show a good connectivity. The modules are already mounted on the new space frame endplate and the detector is flushed with gas. The cooling has been redesigned. For this test beam all four modules have been connected in series as far as the the 2pCO₂ cooling is concerned. This is only one single loop instead of the 7 parallel loops during former test beams. The benefit is that the clarinet is needed only as a connector adapter. But it is not known, if the CO₂ heats up too much and the last module is not cooled properly anymore, because only gaseous CO₂ is left. There is a T monitor on the Front End Cards, but it create a lot of dead time during data taking and thus can be read out only between two runs.

Asked about the new endplate David mentioned, that the mounting of the modules was more difficult and it took about 30 min per module, because it was difficult to reach the screws in some places. Before it had taken only 5 min per module. On the other hand it is much easier to attach cables, because they can be fixed to space frame.

The test beam will start on Monday as planned.

AOB:

The next workpackage meeting will take place on November 29th.