

Minutes of WP-meeting 287

Attendance:

DESY: Leif Jönsson

Vidyo: Yumi Aoki, Paul Colas, Keisuke Fujii, Jochen Kaminski, Tomohisa Ogawa, Ron Settles, Aiko Shoji, Akira Sugiyama, Jan Timmermans

General News:

Jochen started the discussion on the next collaboration meeting. After some discussion it was decided that we will first look for an appropriate date, where most people can attend. A likely date is November 12th-14th, which is directly before the preparation time of the next Micromegas module testbeam.

People from further away could profit from a combination and attend both events. Keisuke mentioned that Japanese colleagues would need a meeting in France to attend, because then the travel costs could be paid by a French-Japanese fund.

Jochen will therefore make a doodle to find a date, where most people can attend. Depending on the date, we can see, where the CM could be held (DESY, Nikhef, ...).

Keisuke reported that on June 19th the reports of the working groups were discussed in the MEXT meeting and a skeleton draft is being worked on. A full draft of the MEXT review process is planned for July 4th so that committee members have enough time to study and comment on it before the next meeting. The final draft should be available in about one month. During the discussion two aspects were discussed among other things:

1.) the economic ripple effect, which was assumed to have a gain factor of 3. This means that for every Euro/Dollar/Yen invested by the central government the economy will grow by 3 Euros/Dollars/Yens. This number is always quoted for CERN and also assumed to be true for ILC. However, no-one could explain exactly how this number is calculated.

2.) Triggered by one MEXT member, the question was, how much the host country should contribute. Latest examples like XFEL and FAIR suggest values of 60-70 percent. But the member was afraid, that the host country contribute such a large amount would have a too dominant role and the international character of the project would be jeopardized. It was argued, that the main duty of the host country was to initiate the project and start the discussion with potential partners.

News from the groups:

Paul gave a status report from Saclay. The preparations for the testbeam are on going. An invitation for participation in the beam test has been sent to the collaboration, but not much response was received. Paul is testing a new provider of DLC called Be-sput, but it seems the homogeneity is not as good as the one before. Paul also summarized shortly the work of Andre Cortes and colleagues at Coimbra, who are measuring the drift velocity of ions in the T2K gas mixture. It seems the main components of ions are the CH_3^+ ions. These have a mobility of 2.14 cm²/Vs which could allow for a 4-5 mm gap between the gas amplification stage and the gating GEM. However, some more details of the measurements have to be understood. In particular we need to understand the width of the signal peak, which is larger than expected from longitudinal diffusion and there is also some low background.

Leif gave a short update on the SALTRO ASIC tests. The second test batch of 50 packaged ASICs has arrived and so far within 4 weeks 11 were tested. It is assumed that the remaining ASICs will be tested in about 5 weeks. The slow progress is mainly because of a limitation in the SRU FPGA code, which allows to test only 2 channels simultaneously. Someone who can program FPGA code is badly needed

to modify the SRU code, because testing the main batch of 750 ASICs will take too long. Please also keep in mind, that Ulf will retire soon and will be available only on a much reduced scope. Out of the 11 ASICs 9 worked well, one did not work at all, and one had a single channel not recording signals.

AOB:

The next workpackage meeting will take place on July 12th.
The next analysis meeting is on July 6th on track distortions.