

Minutes of WP-meeting 286

Attendance:

DESY: Ralf Diener, Ulrich Einhaus, Claus Kleinwort, Uwe Krämer

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

General News:

Akira and Paul summarized the ALCWS. During the TPC-parallel session there were 5 talks. Most of this was presented already in the work package meetings.

The Japanese officials were informed that the European Strategy Update will only consider contributions received before end of 2018. This means that, if there is no positive statement of the Japanese government, the possibility for Europe to participate in an ILC in Japan would be delayed to the next opportunity, 5 years after. CEPC is not ready to submit a contribution to the European Strategy Update. However, there was a statement by the CLIC collaboration that they want to give the following input to the strategy, that CLIC (380 GeV option) could be built within the CERN budget.

On Saturday there was an ILD technical meeting, during which the subdetector groups had to give first estimates on number such as, power need, area on platform, data produce, general service needed. Paul had prepared some number. Also the background is being reassessed with the newest machine parameters. During the discussion in the WPmtg it was noticed, that the latest number are not well know in this group and should be summarized in one of the upcoming meetings. For example the luminosity was changed from 0.8×10^{34} to $1.3 \times 10^{34} \text{ s}^{-1} \text{ cm}^{-2}$ for a 250 GeV machine. This should also have an impact on the background and thus also on the performance of the TPC (data volume, distortions, electronic power consumption etc.)

Keisuke added that the reports of the two MEXT working groups had been finished and submitted to the upper committee on May 31st. The reports were very good and the upper committee is happily accepting the reports. They will be translated in English very soon. On June 19th there will be the last meeting of the MEXT ILC advisory panel.

News from the groups:

Uli had posted his presentation on the dE/dx study with the new mass produced data in the simulation session of the ALCWS. It was not discussed in detail, since it had been presented before. Uli also reminded the attendees that we had a summary document on the spatial resolution determination to be done within all LCTPC-analyses. A similar document should also be established for a ll other measurements relevant for the technology choice, such as dE/dx measurements.

Paul is currently in Japan with Serguei and visited a Japanese company yesterday, which can produce DLC by a different process (sputtering). Paul also reported that the Coimbra group has first data on the mobility measurement of the ions in T2K gas and it seems that a gating device should be mounted 4-5 mm above the gas amplification stage.

AOB:

The next workpackage meeting will take place on June 28th.