

Minutes of the 100th LCTPC WP Meeting on 4 March 2010/03/05

(The part of the WP5 discussions)

- (1) Next WP meeting for WP5 discussion will be scheduled at the beginning of April. The exact date will be announced considering the LCWS10 at Beijing, the Ester holidays, and possible move (back) of our offices at DESY (currently scheduled around 8-9 April).
- (2) There were 6 presentations including the introduction by Ron. The slides may be found at <http://ilcagenda.linearcollider.org/conferenceDisplay.py?confId=4468>.
(The slides by Dan and Akira are in the folder "slides".)
- (3) Ron gave an introduction of the discussions at the ILD meeting at Paris, and presented their request to the R&D groups. Martine mentioned that they are now working on a Geant-Moka simulation for TPC to test TPC performances for CLIC.
- (4) In the Dan's presentation, it was discussed that the modules themselves should be included in the FEA. Also we need to make the back frames of the modules thinner.
- (5) Robert said that they would give their plan in next meeting. There will be the ILD subgroup meeting on mechanics soon.
- (6) Klaus presented a plan for the field cage works, studying the examples of ALICE and Star.
- (7) Takahiro presented their plan of the test of power switching, power deliver, and cooling using a model PCB with FPGAs. He said that the components of cooling need to be purchased in next JFY 2010 (from April 2010). It was noted that Antoine had made an exercise of complete signal routing for the current LP1 module with S-ALTROs. In next meeting we need a discussion about the low voltage supply, which contribute significantly to the material and space budget of the advanced endplate.
- (8) Akira discussed two possible concepts of gating devices; GEM and wire.
- (9) TM proposed that the LP1 would stayed at DESY until to the end of 2012 and perform also beam tests with the advanced endplate, together with some optional, small scale tests at hadron beams and in higher magnetic field.

(TM 5 March 2010)