

Minutes of WP-meeting 301

Attendance:

DESY: Ralf Diener, Ulrich Einhaus, Leif Jönsson, Uwe Krämer, Volker Prah, Oliver Schäfer
Vidyo: Paul Colas, Jochen Kaminski, Kees Ligtenberg, Tomohisa Ogawa, Ron Settles, Akira Sugiyama, Jan Timmermans, Keita Yumino

General News:

Serguei will give the presentation on the TPC during the ILD meeting at KEK on 26.2.

Paul showed his transparencies from the ILD integration meeting at DESY (11.2). The presentation contains an overview of the different components of the TPC and then gives the conventional facility requirements. Paul pointed out, that one aspect sofar neglected is the heating of the low-voltage cables. Because of their resistance heat production of 60 W is expected. However, since the total expected power consumption lead to a longer discussion on the question if the system should be laid out for operation in power pulsing mode only, or also in continuous mode and which number should be given in such a report. Since the factor by which the power pulsing reduces the power consumption is not well defined and could change for different ASIC technologies (65nm / 90nm etc.) the numbers given in the presentation were doubted. Also the comment by Paul, that the modules are needed for the stiffness of the endplate and if dismantled have to be replaced by dummy modules was challenged as the space frame endplate design by Dan was claimed to be stiff enough for all operations.

News from the groups:

Uwe reported that the test beam with Lycoris was successful. Data was taken with two tracker sensors for two weeks and is being analyzed now. The additional readout card had arrived in time, but the kapton cables necessary to connect more readout chips to to this card did not arrive in time. But as the area is not needed now, the DESY group will continue to improve the setup and take some more data. In particular a combined run with the Mimosa EUDET telescope and the Lycoris was not possible because of synchronization problems with the TLU. But this will be fixed soon and the data taking will be done.

AOB:

The next workpackage meeting will take place on March 14th.