

# Minutes of WP-meeting 365

## Attendance:

Zoom: Paul Colas, Ralf Diener, Ulrich Einhaus, Jochen Kaminski, Claus Kleinwort, Tomohisa Ogawa, Huirong Qi, Oliver Schäfer, Ron Settles, Jan Timmermans, Maxim Titov

## General News:

During the ILD meeting on February 1<sup>st</sup> Ties mentioned, that ILD has to re-invent itself and has to re-define its strategy to adapt to the changing schedule of the ILC project. This is in line with a discussion that was started in the CB meeting on the future of LCTPC, which could include the opening to other experiments. This was discussed among the participants a bit more and there will be a dedicated WPmtg on this topic in March, where possible scenarios will be discussed.

For the future IDT efforts and ILC, the next important date is the end of March, when the ICFA meeting will take place. The ICFA statement and some positive signs are quite important as the IDT mandate expires rather soon, while the situation with the start of the ILC Pre-Lab remains unclear. The MEXT Advisory Panel should publish its final report within the next few weeks. The ICFA position would also have an impact on the Snowmass process, while hibernating state might have a drastic impact on the outcome of Snowmass and P5. The absence of vision and strategy for the next political steps in Japan does not make the situation easier.

## PCMAG/LP setup, test beam:

Ralf: Test beam schedule:

- Ralf mentioned that the rules for test beam participants have slightly changed at DESY, now it is strongly recommended to wear FFP2-masks all the time and a self test every second day is required. The test beam will start next week again and most users have announced to profit from their beam time. Only one group has withdrawn because of high COVID numbers in Germany.

## News from the groups:

Tomohisa showed some preliminary results of the Micromegas data extrapolation to the ILD parameters. He showed the effect of different degradations: The perfect extrapolation of the MM data, that is  $N_{\text{eff}}$  and  $D_T$ , meets the ILD requirement of  $100\mu\text{m}$  after a drift of 2.1 m. Then he also included the effect of the gating grid, where about 20 % of the electrons is lost and which leads to a degradation up to  $120\text{-}130\mu\text{m}$  at a drift distance of 2.1 m. Finally he also included the lines for the  $B = 1\text{ T}$  situation at the test beam.

Paul mentioned that the leak on the module tested in the cooling setup in October was found. It has been discovered with a He-sniffer. The CO<sub>2</sub> connectors on the module were leaking. This may be due to the surface state of the 3D-printed part. Paul and David are looking for a solution.

They hope they can repeat the cooling test either with TRACI or with the more powerful LUKAS unit, which was built by DESY for ATLAS and CMS.

## AOB:

Paul Malek will defend his thesis on 11.2. at DESY.

The next workpackage meeting will take place on February 17<sup>th</sup>.