

Minutes of WP-meeting 342

Attendance:

Zoom: Paul Colas, Ulrich Einhaus, Serguei Ganjour, Jochen Kaminski, Uwe Krämer, Tomohisa Ogawa, Huirong Qi, Oliver Schäfer, Ron Settles, Jan Timmermans, Maxim Titov

General News:

Jochen reminded everyone of the upcoming conferences. The abstract submission deadline of the TIPP conference held virtually from 24th 29th of May will be on the 7th of February. There are other conferences: CPAD2021 Frontier Instrumentation workshop 18.3.2021, abstract deadline 22.2.2021, IEEE TNS 16.-23.10.2021 (abstract submission deadline 6.5.2021), TWEPP 20.-24.9.2021, Lepton Photon 9.-13.8.2021 und EPS HEP 21.-28.8.2021.

Maxim mentioned that the IDT Working Group 3 (WG3) is officially starting early February. There are four subgroups (Interface with Machine/MDI, Detector R&D, Physics and Software/Computing). Each subgroup will have 4 conveners and 2 conveners of the detector subgroup have already been chosen: Katja Krüger and Marcel Vos. Two more will be added soon. The model of collaboration between WG3 Detector R&D subgroup and the detector concepts (ILD, SiD) and the R&D collaborations (CALICE, LCTPC) still needs to be discussed. Maxim therefore suggested to proactively contact WG3 conveners for an informal discussion.

PCMAG/LP setup, test beam:

Oliver: Test beam:

- The three test beam lines are recommissioned as there were some changes. For example new primary target stations have been installed in the DESY II beam line. They have more spare target wires than the previous stations and allow for an easier and quicker exchange of the wires, since they include vacuum valves in the station itself. So for an exchange only the station itself has to be vented/pumped. This allows for easier and quicker maintenance.
- The regular test beam schedule was planned to start on 8.2., but has been delayed by at least one week because of the lock down. Still it is unknown, when DESY will be open for users again. Because of travel restrictions, most likely internal users will start.
- In the "R-Weg" (former transfer line from DESY II to DORIS II) a test area is being commissioned to study if it is possible to use in a sensible way the directly extracted DESY II electron beam for test beams.

All necessary beam line elements have been installed and also the interlock system. The TÜV is testing the setup currently. After this, it will be studied, whether the beam can be used. If this is successful, it will be investigated where a forth beam line and area could be implemented in the future.

News from the groups:

Huirong reported that the next 5 year plan for scientific large experiments will be published at the end of April or May. The lists will show the clear plan projects. In China there are the new year's holidays coming soon. Under normal conditions this is the time, when everyone travels to his home town. But this year the government is trying to convince everyone not to travel, because there have been some outbreaks of COVID-19 again. The research at IHEP is continuing, currently Huirong is studying the drift velocity.

Paul said that the cooling unit is ready and will be pressure tested soon. First tests will be done at Saclay with a nitrogen gas bottle. A Cooling test with TRACI is planned for mid of May. Also the design of the SAND module is progressing well. The current design foresees 6144 pads of $4.3 \times 5 \text{ mm}^2$. The T2K TPC has highest priority, since everything has to be ready by end of 2022.

AOB:

The next workpackage meeting will take place on February 11th.