

Minutes of WP-meeting 387

Attendance:

Zoom: Paul Colas, Ralf Diener, Ulrich Einhaus, Jochen Kaminski, Shinya Narita, Huirong Qi, Oliver Schäfer, Ron Settles, Jan Timmermans, Maxim Titov

General News:

Jochen announced, that Klaus Dehmelt is the new regional coordinator of America. Ron has also changed the addendum, which is now online (<http://www.lctpc.org/e9/e56939/>).

Jochen also reported that the DRD1 working group is now preparing the community meeting on March 1st - 3rd at CERN. The meeting will have a couple of general sessions discussing the structure, purpose, aim etc. of the new collaboration. Besides, there are 8 topical session, each of about 1-1.5h, which are structure along the RD51 working groups. Jochen has uploaded the list of working groups including the topics suggested for the working group to today's indico agenda. Currently conveners for these working groups are searched. For the TPC community (both collider and dark matter TPCs) the current candidates are WG1 Paul Colas, WG2 Diego Gonzales Diaz, WG3 Stefan Roth, Klaus Dehmelt, Francesco Regna, WG5 Jochen Kaminski, WG6 Alain Delbart, WG8 Elisabetta Baracchini. If anyone else is interested in joining, please contact Jochen.

Huirong reported that Yifang, the director of IHEP, the planning TDR for the CEPC accelerator will be published in July or in this year. A separate TDR on physics and the detectors will be published not before 2024 or 2025.

Because of the numerous favorable reports on the PID performance (dN/dx) of the drift chamber during the last CEPC-Workshop in October, the drift chamber is considered as the first option for the central detector during the Z-peak run. There will be the Hong Kong conference on HEP from February 12th – 18th. Huirong is organizing the gaseous detector session and has invited Paul and Serguei to give a talk on the TPC. He hopes that good news on the ion backflow, track distortion and diffusion issues, the TPC can still be considered a valid option at CEPC. Of course, Paul and Serguei have to give a positive presentation.

PCMAG/LP setup, test beam:

Ralf mentioned, that the usage of the test beam during the last year had been analyzed: PCMAG was used only for one week and also the gas system was used for one week.

News from the groups:

Jochen reported on a visit of Fred and Peter to Bonn. Both came for repair work on the 32 GridPix detector in the clean room of Bonn. During the test beam at DESY in June 2020, one HV connection to a grid had to be removed, because there was a short. This could be identified and repaired now. Afterwards about 50 V were connected to all grids and the voltage on each grid was verified. It could be confirmed that the HV reaches all the grids. Jochen showed also pictures on slides prepared by Peter. After the intervention all parts necessary to operate the detector were collected and transferred to Nikhef. There, the readout will be tested and then the detector and the read out will be shipped to Stony Brook, where it will be used for a test beam at Fermilab with different particle species.

AOB:

The next workpackage meeting will take place on February 16th.