

# Minutes of WP-meeting 401

## Attendance:

Zoom: Paul Colas, Jochen Kaminski, Huirong Qi, Oliver Schäfer, Ron Settles, Jan Timmermans

## General News:

Paul showed pictures of the bottom T2K TPC and how it is lowered in the pit and assembled there. He will fly to Japan tomorrow to help the final assembly (e.g. connection of cables) and then the commissioning of the detector. Paul will return in 2 weeks.

Huirong reported on the TIPP conference (<https://agenda.infn.it/event/34841>). He gave two presentations there (one on ILC-TPC and one on CEPC-TPC). Also Maxim gave one on ILC/ILD in general: New Ideas on ILC Detector Technologies & Sustainability Studies for Linear Colliders. All three presentations are uploaded to the LCTPC confluence page.

Paolo Giacomelli of INFN asked Huirong during the conference to give a reference to the correction procedure and correction capability of the ALICE TPC. After some discussion during the WPmtg it was clear, that (arXiv:2109.12000) is the only known publication of this.

There are two more workshops upcoming now:

the second ECFA-WS on e+e- Higgs/EW/Top Factories from October 11<sup>th</sup>-13<sup>th</sup> in Paestum (Italy) (<https://agenda.infn.it/event/34841>) and the 2023 international workshop on the high energy Circular Electron-Positron Collider (CEPC) (<https://indico.ihep.ac.cn/event/19316>), which will take place from 23<sup>rd</sup> to 27<sup>th</sup> of October in Nanjing.

## News from the groups:

There was a longer discussion on the DRD1-WP4 (tracking TPCs). There is a significant interest in IBF techniques. Also Saclay will join and contribute to this task by studying both the LCPTC gating GEM and also exploring graphene layers as blocking devices.

Oliver said, the Beamline4Schools winners have arrived and will conduct their experiment in the next week. ([https://www.desy.de/news/news\\_search/index\\_eng.html?openDirectAnchor=2824&two\\_columns=0](https://www.desy.de/news/news_search/index_eng.html?openDirectAnchor=2824&two_columns=0)) They have built 4 MWPCs, which will be mounted in two sets with each two detectors rotated by 90°. They want to test different gas mixtures and try to optimize the setup to get the best possible detector performance. This will include both helium and argon-based gas mixtures. The readout includes preamplifiers from Hermes/Hera-B, which Oliver has prepared and tested.

## AOB:

The next workpackage meeting will take place on September 28<sup>th</sup>.