Minutes of WP-meeting 451

Attendance:
Zoom: Paul Colas, Ralf Diener, Jochen Kaminski, Oliver Schäfer, Ron Settles, Jan Timmermans, Kanako Watanabe

General News:
Jochen had been to the FCCee WS at Munich last week and gave a talk on TPC at the FCCee. It was well received. Since Daniel Jeans had been asked on Tuesday about the temperature sensitivity of the TPC, Jochen had made some Magboltz calculations. It turned out that if the T2K gas is operated at the maximum of the drift velocity (e.g. at E=286 V/cm) the drift velocity and the transverse diffusion are basically not dependent on the temperature between +10° C and +30° C and only a very small increase expected for the longitudinal diffusion. Obviously the gas amplification will change significantly.

There was an ILD group meeting on last Tuesday. Jochen gave a summary talk of the LCTPC CM, Jenny summarized the Linear Collider @CERN -WS at CERN (7.-9.1.) and Daniel Jeans the FCCee meeting at Munich.

The next DRD1 collaboration meeting will take place at the week of 23.-27.2.2026.

Jochen was invited to give a talk at the MPGD conference in Prague on pixelized readout of Gaseous detectors.

Paul was ready to accept the subdectector convenorship in the new FCC organization

News from the groups:
Paul said, that Saclay is getting organized to work with Iwate and CERN on IBF. Shinya was at CERN 2 weeks ago to see, how the ion blocking power can be determined. Serguei has organized a meeting with the GDD group on next Monday. Large aperture GEMs (gating GEMS) will be studied first, and in a second step a graphene monolayer shall be studied.

It was discussed, if a next testbeam would be feasible, in particular as the new SALTRO electronics of Leif is available. But mentioned that there is not enough manpower, in particular for a thorough analysis, which would be necessary to make it a meaningful activity.

AOB:
There is a big fire an electric power transformation substation at GSI. There was quite some damage to the equipment, in particular the Linac seems to be damaged. Though FAIR is not affected, the Linac would also serve those accelerators.
The next workpackage meeting will take place on February 19th.