

Minutes of WP-meeting 466

Attendance:

Zoom: Paul Colas, Jochen Kaminski, Shinya Narita, Ron Settles, Jan Timmermans, Kanako Watanabe

General News:

Jochen mentioned that the FCC-ee tracking and PID workshop (<https://indico.cern.ch/event/1660971/>) will take place from 16th to 20th of November at CERN. Jochen will give a presentation on the pixelTPC.

LCWS2026 will take place at KEK (<https://agenda.linearcollider.org/event/11000/>) Paul, Maxim and Serguei will go there from Saclay. Also Shinya will attend.

LCTPC-CM will take place in the first week of January 2027 in Bonn.

News from the groups:

Kanako will go to CERN next week and stay there until December 14th. She will pick up the previous studies on the gain, electron transparency and ion stopping power of gating GEMs together with Serguei and the GDD group. For this she will use a triple GEM detector with a gating GEM and a 1 GBq source. The currents on both the cathode and the readout anode will be monitored by picoampere meters. The gas will be the T2K gas. Kanako showed in her presentation a detailed measurement plan, how she plans to measure the electron transparency and the IBF by comparing the peak position of X-ray converted above and below the gating GEM or by switching the voltage on cathode or anode on and off. She also showed a detailed calculation of the expected currents and noise. Expected currents are about 40 nA at most and could be less than 1 pA, which would be below the sensitivity of the measuring devices.

AOB:

The next workpackage meeting will take place on October 15th.