

Minutes of WP-meeting 455

Attendance:

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

General News:

The next European Edition of the International Workshop on the CEPC was taking place in Lisbon from April 7th to 10th (<https://indico.cern.ch/event/1598929/>). The gaseous detector session is in the morning and there were 5 presentations, among them Mingui presenting the TPC, and Nicola De Filippis on the drift chamber, a talk on RPCs and one on muon chambers and finally Maxim presenting the DRDs. There is not much new for the TPC, the optimal pad size was discussed.

In general IHEP is continuing to lead the effort for further developments and open question of the CEPC detector TDR are being worked on.

There was an ILD group meeting last Tuesday (<https://agenda.linearcollider.org/event/11002/>). Henry Videau presented a great idea for the calorimeter, which is called 4D-Arbor approach.

Daniel Jeans uploaded a paper to arXiv (<https://arxiv.org/abs/2604.04512>) where the ILD at FCCee: TPC ions stable, occupancy smaller pads: 50 μm

The FCCee workshop on Tracking and PID at Brookhaven from May 5th to May 8th (<https://indico.cern.ch/event/1660971/>) was postponed as there were not enough in person attendees.

On June 16th WG1 and WG2 of the DRD1 collaboration will organize a worldwide meeting on future colliders with a particular focus on the FCCee Detector R&D concepts. It will be fully online (zoom). It was felt, that there is currently not enough discussion on strategic research for future colliders. The meeting will include all technologies and detector parts: Muon chambers with Micromegas, μRWELLS , Drift tubes, TGCs), timing detectors (RPCs) and central tracking detectors made of drift chambers, straws or a TPC.

On November 25th to 27th there will be a FCCee-France meeting at Marseille.

News from the groups:

Paul will have a Saclay internal meeting with Roy Aleksan on the FCCee.

Jochen reported, that a Master student is looking at the charge up of the protection layer and tries to measure the resistivity.

AOB:

The next workpackage meeting will take place on April 23rd.