

Minutes of WP-meeting 400

Attendance:

Zoom: Paul Colas, Ulrich Einhaus, Jochen Kaminski, Huirong Qi, Ron Settles, Jan Timmermans

General News:

Uli, Huirong and Jochen gave presentations at the EPS-HEP at Hamburg. Talks went well and there were several questions, in particular about pixelTPCs.

Jochen reminded everyone that conference presentations are uploaded at the confluence page: (<https://confluence.desy.de/display/LCTPC/Conferences>). Also, the EPS talks are uploaded there.

Uli had forwarded the invitation to the 'Future Colliders for Early-Career Researchers' (<https://indico.cern.ch/event/1293507/timetable/#20230927>) on the 27th of September to the collaboration. Huirong will send two of his students.

There will be one week MPGD School (27.11.-1.12., <https://indico.cern.ch/event/1239595/>) for students to learn about MPGDs. The school is organized by RD51 and Huirong will also send 2 PhD students. Yue Chang and Xin She have received the school's offers from CERN.

For the workpackage 4 (tracking TPCs) of the DRD1 collaboration there are only 2 contributions from LCTPC (IHEP+Tsinghuan and Bonn). This is not enough and we should consider, if more insittute could contribute.

News from the groups:

Huirong mentioned, that colleagues at the Lanzhou University and Institute of Modern Physics have started testing a double Micromegas mesh prototype for a nuclear experiment at high rates (¹²C reaction). The DMM was produced in USTC. Sofar, they can not reach the excellent IBF results, which were reported in <https://doi.org/10.1016/j.nima.2020.164282>. The preliminary results showed that the dE/dx resolution also seems be degrade when using a second mesh.

Paul said, that the first T2K detector (bottom detector) has arrived in J-Parc. First tests have shown that the detector was not damaged during the transport. Paul will fly to Japan in 2 weeks to help commissioning the detector. A detailed analysis of the data taken at CERN has finished now and in particular the noise has been carefully studied. The construction of the top detector is starting now. It has to be completed until March 2024.

Jan said that according to a mail, the renovation work at Nikhef should be concluded in October or November.

AOB:

The next workpackage meeting will take place on September 14th.