Minutes of WP-meeting 345

Attendance:
Zoom: Paul Colas, Ralf Diener, Ulrich Einhaus, Leif Jönsson, Keisuke Fujii, Serguei Ganjour, Jochen Kaminski, Jurina Nakajima, Tomohisa Ogawa, Huirong Qi, Oliver Schäfer, Ron Settles, Akira Sugiyama, Jan Timmermans, Maxim Titov, Keita Yumino

General News:
Paul summarized the new ILD management, which was announced: Kiyotomo Kawagoe is deputy spokesperson, Keisuke is physics coordinator (deputy Filip Zarnecki), Frank Gaede is software coordinator (deputy Daniel Jeans) and Mary Cruz Fouz is technical coordinator (deputy Karsten Büsser). There will be 4 more members of the management elected, the list is already available.

Jochen and Maxim reminded everyone that there are the LCWS and CPAD next week. The session on gaseous detectors at the LCWS is on Thursday morning at 6-9 am CET, where Huirong, Paul and Jurina will give presentations. The CPAD session is also on Thursday afternoon/early evening CET. Jochen will present LCTPC and Huirong will present the CEPC-TPC, but there are many other TPC related presentations in this session and the following one – remember there is one hour less of time difference between the US and Europe, as the US will switch to summer daylight saving time already this weekend. There are also other conferences upcoming, for which speakers are wanted: TIPP at the end of May, EPS (online organized by DESY https://indico.desy.de/event/28202/), IEEE.

PCMAG/LP setup, test beam:
Ralf: Test beam schedule:

- Ralf announced that the directorate has allowed to resume the test beam activities. For the beginning only DESY internal users are admitted. Ralf hopes that starting from Easter also other users from Germany will be allowed to attend under stricter rules than last year. However, how the schedule for international users will look like, is at this point not predictable. Marcel is working on a new schedule and currently the two test beams of the pixel group and of T2K remain at the same time, but this strongly depends on the further development of the pandemic.

News from the groups:
Jurina presented her work on the spatial resolution study with the Asian modules. She reminded everyone of the setup during the 2016 test beam and then discussed the theoretical formula to which the test beam results were compared. The results included the dependence of the spatial resolution on the track inclination ϕ and measurements of N_{eff} and $\check{N}_{eff}$. The number of primary clusters $\check{N}_{eff}$ was shown independence on the ratio cluster size/pad length and was compared to Heed/Garfield++ simulation and the theoretical formula. The test beam measurement gives lower results than the two simulations. The reason could be, that the reduction of the geometric size of the clusters (curling up of δ-electrons) and the finite pad/hodoscope effect were ignored. These effects will be included soon.

AOB:
The next workpackage meeting will take place on March 25th.