

Minutes of WP-meeting 409

Attendance:

Zoom: Ritsuya Hosokawa, Jochen Kaminski, Claus Kleinwort, Shinya Narita, Huirong Qi, Ron Settles, Jan Timmermans, Maxim Titov

General News:

Jochen collected ideas for the upcoming LCTPC-CM. Maxim suggested to introduce a session of discussion on the 'drift chamber vs. TPC' decision to be taken the CEPC-TDR. We could invite some speakers of the drift chamber community and discuss in a very scientific and non-political environment with them about the pros and cons of both detector types. Items like dE/dx , single space point resolution, space charges etc. could be discussed. In addition we could revisit the arguments of why a TPC was chosen some 20 years ago for the JLC detector. One could also discuss the high gas gain (2×10^5) necessary to reach the dN/dx resolution. This could lead to some aging, in particular as a He-hydrocarbon gas is used.

Also to hear from simulations of the background by Daniel Jeans, on the CEPC-TPC from Huirong and the track corrections of the ALICE TPC would be interesting.

Paul and Serguei are currently at the HCAS in Hong Kong, but they will /could give presentations on the MM paper and the ion backflow reduction .

Leif could be contacted, there seems to be some progress on the S-ALTRO electronics

AOB:

The next workpackage meeting will take place on February 8th.