

## Minutes of WP-meeting 423

### Attendance:

Zoom: Paul Colas, Jochen Kaminski, Huirong Qi, Ron Settles, Jan Timmermans, Maxim Titov, Kanako Watanabe

### General News:

The upcoming conferences were discussed: Peter, Paul and Daniel Jeans will attend the 3rd ECFA workshop on  $e^+e^-$  Higgs, Electroweak and Top Factories. There are 205 participants registered. On October 8<sup>th</sup> there will also be an ILD collaboration Meeting, where Paul will report on the progress of the TPC. On the 30<sup>th</sup> of the September, there will be an Institute Assembly where some important decisions will be taken (e.g. new members).

Soon there will be also a France-Italy-FCC-WS. Paul will not attend, but was asked to search a person presenting the TPC.

There will be the MPGD in Hefei from 14<sup>th</sup> - 18<sup>th</sup> of October.

### News from the groups:

Huirong gave a summary on the CEPC: The International Detector R&D Committee (IDAC) will meet on the 21<sup>st</sup> and 22<sup>nd</sup> of October for the first time at the IHEP in Beijing. About 30 detectors will be presented by one person each to the 11 experts in detector technologies. Based on their feedback version 0 of the TDR will then be written until end of December, then reviewed in Hongkong in January 2025 and the final draft written until end of February. Huirong then summarized shortly the plans for the CEPC and the requirements to the central tracking detectors giving not only the status of the TPC, but also of the drift chamber. He then summarized the progress of his group preparing the TDR and the planning of the TPC. The details of the design and the performance of the baseline detector were given: A pixelized readout with  $500 \times 500 \mu\text{m}^2$  pixels with low power consumption is planned. Also FEA calculations about the mechanical rigidity of the field cage and the endplate were shown. Also the gas flow was simulated to reach a very clean gas. Finally also the plans for the close and medium future were presented: At the end of the three year program Huirong will come to DESY to have a test beam with a close to final readout in the LP.

Paul said that there is so far little progress with the graphene project. But Imad of Lyon is also interested in graphene layers for a different project and is studying the graphene deposition technique now.

### AOB:

The next workpackage meeting will take place on October 17<sup>th</sup>.