Minutes of WP-meeting 288

Attendance:
DESY: Ralf Diener, Ulrich Einhaus, Leif Jönsson, Claus Kleinwort, Uwe Krämer
Vidyo: Keisuke Fujii, Jochen Kaminski, Kees Ligtenberg, Tomohisa Ogawa, Aiko Shoji, Akira Sugiyama

General News:
Keisuke reported on the last ILC panel advisory meeting, which took place on 4.7. The final report was was released. It has 140 pages, which contains 17 pages executive summary, detailed reports of the 4 working groups (physics, TDR (machine + costs), human resources and organization and management) as well as detailed supplementary information (members of panel, history of panel etc.). Parts of the report will be translated into English. As expected, the report is rather neutral, but clearly states the scientific importance of the project – also of the 250 GeV machine. The report was sent to the Scientific Council of Japan for endorsement. The schedule of this process is unknown, since this is not a standing body, which meets regularly, but has to be formed anew for each project. Last time (2013 for the ILC) it took about 3 months to come to a decision. Hopefully the Council has been notified before, so the preparation phase of the council will be shorter. Everyone has been notified about the tight schedule with the important deadline of the input to the European Strategy update in December.
The whole process and the report were also presented by the deputy chair of ECFA at the ICHEP yesterday. From the Science Council the report will be sent either to the government or the cabinet/Prime minister for a green light to start the negotiations with other governments.

Akira reported from the technical coordinator meeting. The Technical Design Report has to be finished in 2019. Akira has uploaded the skeleton file, so that everyone can comment on the questions. Akira is currently addressing the question on the expected data size per bunch train. There are two different sizes. For the DBD a size of 12 MByte was given, while before a number of 220 MByte was mentioned. No information is available how these numbers were calculated. But it is certain, that they depend strongly on the background. Therefore, Akira will to contact Daniel how has presented updated background calculations at the AWLC. From this information Akira will do a new estimate.

News from the groups:
Uwe summarized the status of the external tracking device. During a first assembly run problems during the gluing occurred and therefore the gluing procedure has to be redesigned. Of the first batch only one sensor works properly and might be used in a first test beam campaign in September. There are in total 24 sensors, which is enough for the project.

Leif has contacted several groups at DESY in search for an FPGA programmer, but unfortunately none is available. Therefore the issue with the slow readout is still not solved. Meanwhile Ulf has tested 30 ASICs in total, of which 24 work well and 3 need a more detailed investigation, but possibly could be made to work. Leif has also contacted the designers at CERN who confirmed that such a yield and also fluctuation in the yield could be expected. The ASICs were done in a multi-user run, which means that the ASICs are always from certain areas on the wafer, so that any local inefficiencies of the process are not averaged. This could also explain the significant fluctuations in the ASIC size. The production of probing cards was omitted due to financial considerations.

AOB:
The next workpackage meeting will take place on August 2nd chaired by Akira.