Summary of the meeting T. Higo

- This meeting was originally born as a collaboration meeting among three laboratories, CERN, SLAC and KEK, but the attendee this time came from more wider area, institutes in France, UK, Finland and many companies from Europe and Japan.
- This is a very useful occasion for the extensive discussions made among three continents, Europe, Asia and America.
- Extension of this meeting in practical issues are to be made in such conference as WebEx, which was already established between among three laboratories, SLAC, CERN and KEK. Wider people are welcome to be involved.
- Next meeting was discussed to be held at US or at UK in May next year.

- There were two goals in the meeting as for high gradient. One is to obtain a way to show a feasible gradient for actual accelerator such as CLIC. Another is to extend the basic study toward ultimate gradient and to understand the physics behind. There were active discussions along these two directions.
- One of the typical outcome of the collaboration is shown in an excellent result on high gradient performance of the structure, CLIC_VG1 , designed by CERN, made by KEK, bonded and baked by SLAC.
- It made us foresee the operation of 100MV/m range in a practical operation.
- The importance of the cross checking of the results among different places are discussed and actually it is being performed.
- We discussed that the testing with stand-alone power device is needed even for CLIC research. We understand the collaboration in this area is also very crucial for the further advance.

- KEK is on the way to establish the high power in its X-band high power facility, Nextef. The discussions in the meeting and during the tour provide KEK with very useful input for establishing the facility.
- Collaboration with not only the exchange of information but also mutual help in such as exchange of high power components is very beneficial among each other.
- KEK thinks this sort of meeting very effective for pushing its management layer to support the X-band activity of KEK.

- We hope to see you in the next meeting with any progress in results and understandings of the X-band accelerator structure in its design for LC and its high gradient performance.

- Thank you for valuable discussions, Toshi Higo