

Lab space for TPC work at ILC

Takeshi mail based on meeting with Yasuhiro about lab space at the IP and at the main Lab:

The modules may be fabricated/tested with the electronics at a few different places (Europe/Asia/japan), shipped to Japan, tested again and mounted on the endplates at the main Lab (or the IP).

The laser system and other monitoring system may be mounted at the main LC lab.

In any case, we will be asked to think over options how to construct the ILD TPC and what kind of facilities we need at the main LC lab and the IP. It will be a good exercise for us to seriously discuss the construction procedure of the ILD TPC with our best-guesses.

Now we need to figure out how to start our discussion on the assembly in the LCTPC.

Reply based on experience:

The individual components can be fabricated and tested in labs around the world, then shipped to Japan where (at the IP or at the main lab) they are assembled and tested again, and installed into the ILD.

It might be better to do this final assembly and testing at the main lab, where there is more room; shipping the TPC 30 km to the IP (where the 10m x 10m would be a staging area where the preparation for installing into ILD would be carried out) should be no problem...