

Masanobu Miyahara:

- four service galleries needed/enough?
- hall height (42m) could be reduced? - crane hook height/crane rails/arch
- final check on DH geometry
- detailed requirements of hall facilities: cranes, platforms, pacman
- finalise assembly hall requirements and design

Yoshinobu Nishimoto:

- detector hall height (42m) is a temporary assumption, likely to be changed in view of geological and infrastructure requirements (crane)
- solenoid module trailer is hardest thing to get into assembly hall; might be difficult
- there exists little margin around the research office building for possible sub-detector assembly space
- cryo facilities are ready just before detectors are lowered into the hall for field mapping. Might need temporary cryogenics for coil test before on the surface.
- using main shaft for ventilation ducts seems possible - might save space in utility shaft for possible second elevator

Takahiro Okamura

- need 3D CAD model of ILD cryogenics in EDMS
- check detector height - crane hook height compatibility - impact on detector hall height
- capacity on ventilation systems in DH, AH and compressor house depend on regulations, two possible regulations might apply
- cryo systems needs to be stopped and checked once per year; depending on the regulations complete overhaul inspections once per year could be avoided
- transferring vibrations from cryo equipment to detector needs to be checked, i.e. vacuum pumps in cold box
- integration with hall infrastructure (pacman) needs to be done

Yasuhiro Sugimoto

- ILD assembly space sums up to 1450/2450 m² depending on HCAL technology
- transportation of SDHCAL rings would be problematic