LCTPC Collaboration meeting, Nov. 29,2017

ILD matters

The TPC in ILD

Integration Task Force

- An integration Task Force is set up in ILD with 20 core members, fully open to anyone in ILD (one engineer + one or two physicists per subdetector)
- Face-to-face meeting at LAL on February 2, 2018)
- Will be continued in Ichinoseki (Feb. 20 to 22) and KEK (infrastructure meeting)
- End of December 2017: convention document

Documents to be ready by end 2018

- Technical subdetector design document (not started for the TPC; there exists a draft for the Si Ecal)
- TPC interface document. We have a draft, with many open issues. This meeting will allow discussing some of these. Watch all kinds of interference between subdetectors: space occupation, heat, services, EMC, mechanical support, vibrations...
- Note the last year of E-JADE is 2018. We use WG3.3 (WG3 is ILC targeted R&D)

TPC interface document

P. Colas, A. Sugiyama

Locations

- platform (no vibration, space reduced),
- Additional cavern, (facilitated accessibility for maintenance, but at more than 50 m)
- gallery
- surface (less space limitation nor safety constraints but long distance to the detector)

LV has to be close to the

detector: platform

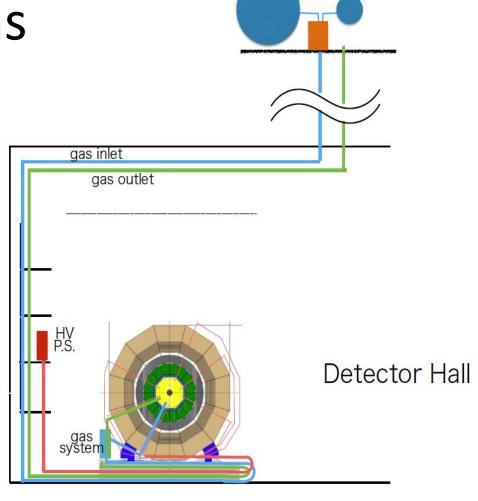
Gas storage and mixing: surface

Gas analysis system: same

HV: Gallery?

Backend and DAQ computers:

additional cavern



SURFACE

Gas slow control computer

