



Drift Chambers status

TB meeting, May 4, 2021

Stephane Platchkov
CEA IRFU, University of Paris-Saclay

DC4 work in March

- Work done in the Clean Room (Damien, Yann, two technicians)
 - Mount air cooling tubes, temperature probes, close detector
 - HV tests: OK up to 1900 V; DAQ tests: check connections and noise: OK
- DC4 moved in the hall (technicians + Vladimir A. + ..., Damien, Yann)
 - Detector installed, hotlinks, gas, water, air connected
 - Gas flow: OK;
 - HV tests: 100 V OK, to be continued...
 - LV: OK on only half of the chamber. Suspect a short on the other half

Remains to be done

■ In May

- Repair LV short
- Test DAQ FE, R/O and hotlink numbering
- Noise tests, full HV test – up to nominal voltage
- Time needed: less than a week (dedicated travel to CERN to be planned soon)

■ In June/July – DC0, DC1, DC4

- Preparation for the run: Thresholds, Leak tests, Temperatures, DCS, HV, spares, etc...
- **NEW**: work in collaboration with Matrivani (Calcutta); people: Shuddha, Alain, etc...
- DC0/1/4 calibration after dedicated data taken: Matrivani