

MERIT Video Conf. Cryogenics **CERN** Oct. 11, 2006 Friedrich Haug CERN Cryogenics for Experiments



Provisional Planning (simplified)

<u>Hall 180</u>

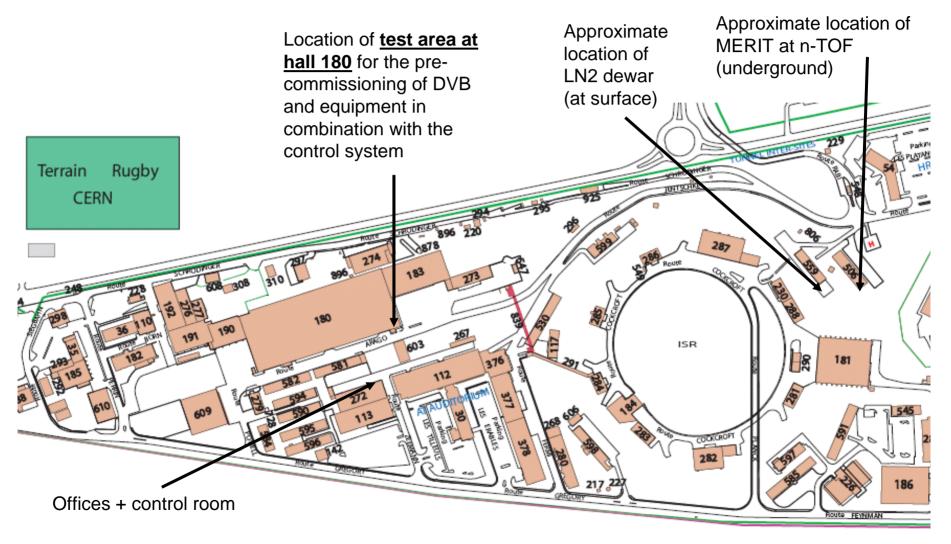
-Infrastructure installation -DVB box delivery -Instrumentation and controls ready -Commissioning and surface tests

TT2A area

-Infrastructure preparation start2006-Magnet deliveryJan. 2007-Move and re-installationJan. 2007-Commissioning and provisional cold testsFeb. 2007-Final operation>April 2007

Nov. 2006 mid Nov. 2006 Nov. 2006 Nov./Dec 2006

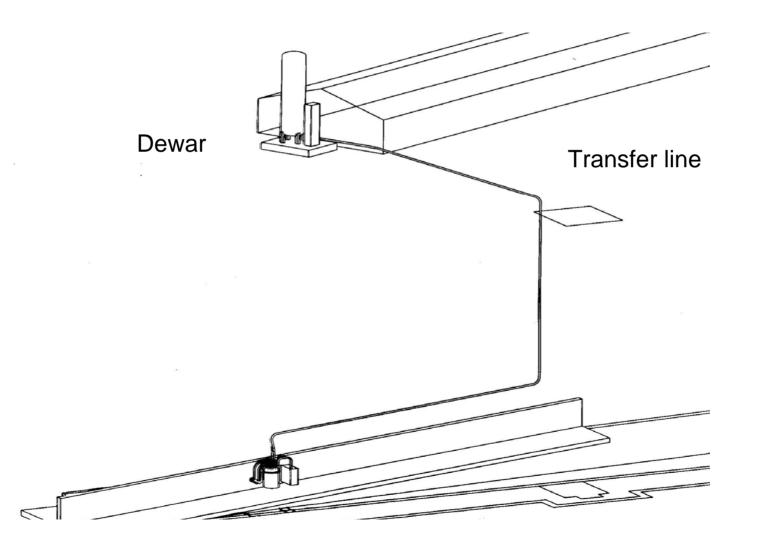
On Surface Test + Commissioning at Hall 180



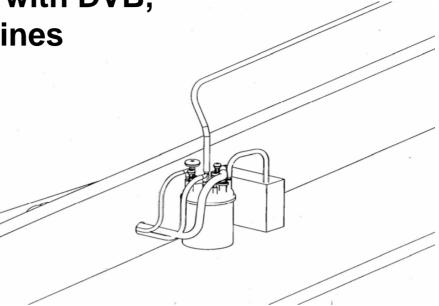
Lay-out of CERN Meyrin (western part) with MERIT locations

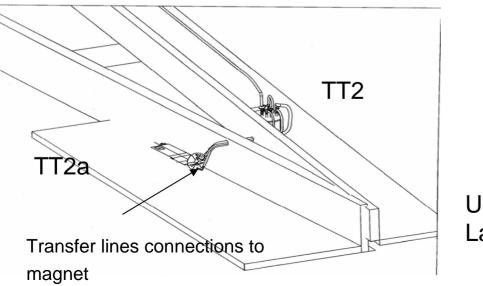
Overall Lay-out (Surface and underground area)

(Work with mechanics section)



Underground Lay-out with DVB, Heater and Transfer Lines



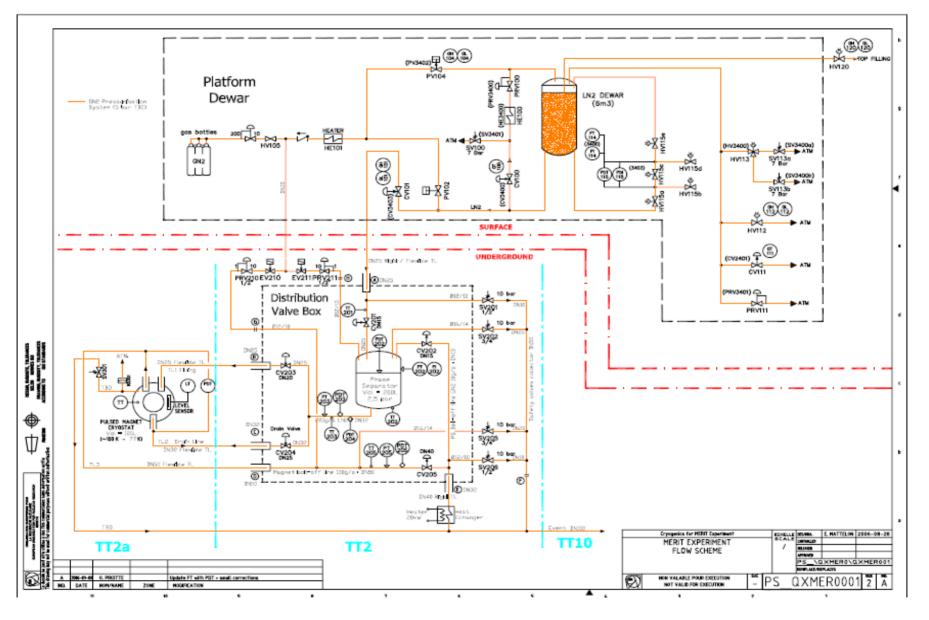


DVB and Heater with Transfer Lines

Underground Lay-out

Process and Instrumentation (P&I) Diagram

(simplified) for information only



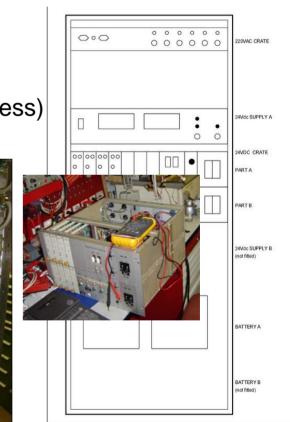


Controls Hard and Software

Electrical rack in progress; PLC (Schneider Premium unity) ok; Supervision (PVSS) in progress; Synoptics in progress; Functional Instrumentation ok; Process logic in progress with F. Haug; Unicos Logic in progress; Ethernet facilities in IT/CS hand (technical offer in progress) Electricity facilities in TS/EL hand;



Work with ECR controls section



PLC modules

Connection units

Electrical rack



Instrumentation

Venturi Flow Meters

- a) double-acting
- b) Single acting





Situation:

Fabrication at CERN terminated

Equipment shipped to UK for integration in DVB