

5 April 2007 08:30 in 2889-R-009

Present: AB/CO: R. Schmidt, M. Zerlauth, M. Koratzinos
AB/OP: W. Venturini, L. Ponce
AB/PO: V. Montabonnet, D. Nisbet, H. Thiesen
AT/MEL: V. Chareyre, B. Flora, P. Chambouvet
AT/ACR: R. Rabehl, A. Perin, F. Millet
AT/MCS: M. Savary
TS/HDO: M. Pojer, M. Solfaroli, B. Perea, J. Etheridge,
R. Saban

Sector 78

- F. Millet reported on CRYO progress. Nearly all magnets are now below the lambda point. Only two spots (with a few magnets each) above: One close to P8 where there are problems with a Y tube, under investigation, and one close to P7 where a valve was manually closed during the night. Goal for Easter weekend is to keep everything below the lambda point (2.2K). In case of problems the system will be driven to cold stand-by. From cold stand-by to nominal temperature should take less than 24h. Tuning is still done manually and a few days are needed to find the right settings.
- Understanding the DFBM cryo control problems: More work was done yesterday by the ACR and MEL teams. There are actually 2X2 level gauges. The ones in the service chimney show an offset of about 30mm. The 6kA chimney gauges are more correct. There will be more tests today to confirm this. Regarding condensation at the flange of the chimney, the problem is still under investigation. The condensation disappeared after two heater strips were added to the chimney yesterday evening.
- M. Zerlauth: 60A and 120A sequencer for powering to nominal has been finished and agreed upon by MPP.
- M. Pojer: the x ray test foreseen for last night did not take place: The 24-hour access rights of contractor personnel had been revoked. It is hoped that the x ray tests will show if there is any damage to the circuit where a high resistance was measured (circuit RCBCHS5.L8B1 reported 22 March) but probably will not shed any light on the weak insulation problem reported 26 March. The x ray intervention is scheduled for after 19:00 tonight.
- ELQA on DFBMH (Q6): A repair of the testing equipment has delayed testing, hope to finish tests today.

- ELQA for the 60A correctors: can start as soon as normal cryogenic conditions are established.
- J. Etheridge: The connections required by the safety commission inspection on the ODH alarms close to P7 need to be carried out to allow powering.
- DFBA's: will start the commissioning after the DFBMs.
- Next meeting: Tuesday, 10 April.

Open Issues

AC non-conformity

- 13.11.06 Non-conformity of the crates of cryo instrumentation (inrush current) (A.Suraci: ready next year)
- 13.11.06 Non-conformity of the AC cabling of the crates under the magnets. This concerns ACR, MEL & VAC. Missing still for 81.

DC cabling

- 19.01.07 Warm Magnet cable positioning to be changed to avoid "antenna" effects (M.Condemine, J.C.Guillaume)

Instrumentation Cabling

- 10.01.07 Continuity error with cable 1813004A and a wrong housing of 1702440 which should be replaced (D.Bozzini) check

Cryogenics

Safety

General remark: written communication in advance to announce operations!!!

- 23.11.06 Water leak on the tunnel concrete wall to be fixed (C33L8).

Preparation of powering test

- 30.11.06 EI_QA performed on C16L8. ICC test showed reversed sequence of V-taps on circuit RCBV16.L8B1 (D.Bozzini) check

AOB

- 08.01.07 Re-installation of 3 BLMs interfering with pumping groups (B.Dehning)
- 13.11.06 BPM connection in Q2 (R.Jones) - waiting for Inner Triplet to be repaired

Closed Issues

Vac-Cryo Interlock tests - window of 1 day needed (P.Cruikshank-F.Millet) check Friday	26.02.07
Cryo-instrumentation cables: 2 LSS8L connectors (A.Suraci-J-C.Guillaume) ok	12.01.07
Cryo-leaks in dipole 3002 and SSS349 (F.Millet) ok	12.02.07
Installation of UPS PIC boxes (E.Barbero)	29.01.07
Pre-connection of 120A cables in LSSR7 (TS/EL) - PC Non conformities (H.Thiesen)	22.11.06
Mobile camera installed, tested, fully operational (K.Kershaw)	16.01.07
DFBXG Temperature sensors repaired (R.Rabehl)	16.01.07
Warm magnet transport stuck in the arc 78.	15.01.07
Connection of the NC Magnets in LSS8R (J-C.Guillaume)	15.01.07
DFBX Pumping of Current Leads insulation vacuum (S.Feher, P.Chambouvet)	15.01.07
QPS - 2 cables need repair (R.Denz-D.Tommasini)	12.01.07
DFBXG non-conformity on the current lead heater cables 1821322 and 1821323 (P.Chambouvet-J-C.Guillaume)	12.01.07
Cryo-instrumentation cables: 2 LSS8L + 1 LSS7R to be pulled (A.Suraci-J-C.Guillaume)	15.01.07
Bad positioning of the 13 kA power cable <i>cosses</i> corrected (J-C.Guillaume-P.Denis)	11.01.07
Cryo-instrumentation cables at DFBX inversion sorted out (A.Suraci)	10.01.07



Next RAT meeting

Tuesday, 10 April 8:30 in 2889-R-009

R. Schmidt
M. Koratzinos