

## *RAT in Point 8* Réunion Avancement Travaux

HARDWARE COMMISSIONING COORDINATION - WEEK 15

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

Present: AB/CO: A. Castaneda, M. Zerlauth, M. Koratzinos  
AB/OP: S. Redaelli  
AB/PO: D. Nisbet, H. Thiesen, P. Fraboulet  
AT/MEL: D. Bozzini, V. Charyere, P. Chambouvet, G. Kirby  
AT/ACR: R. Rabehl, P. Gomes  
AT/MTM: A. Siemko  
IT/DI: P. Anderssen  
TS/HDO: M. Pojer, B. Perea, R. Saban, B. Bellesia,  
A. Vergara, M. Casas Lino, J. Etheridge,  
M. Solfaroli

### **Sector 78**

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- Cryo progress: There was a trip at 13:15 yesterday at the cryogenic plant. The system had not recovered from the fault. Estimate for cryo\_ok conditions: tomorrow (pumping down at 15mbar from 4.5K takes approximately one day)
- R. Rabehl: Tests continued yesterday trying to achieve the nominal 20K at the bottom of the 120A leads in DFBMA. Temperatures of 25K and 35K were achieved in the two leads used. Tests continue with different helium level settings.
- V. Chareyre: ELQA at cold was performed on the 60A closed orbit corrector circuits on four SSS (8 circuits). The tests on continuity and instrumentation were passed, but the third part of the test (amongst others measuring the transfer function of the circuits) encountered problems. A. Siemko: The procedure is not adapted to the conditions of the measurement (s/n ratio very poor). Procedure will be reviewed and tests will be completed. Currently the circuits tested can be used for low current powering tests (provided cryo conditions allow) but not for powering to nominal tests.
- X-ray tests will be redone today at 20:00.
- Next meeting tomorrow, Thursday 12 April at 8.30.

## ▪ Open Issues

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### 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

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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

**Thursday, 12 April 8:30 in 2889-R-009**

M. Koratzinos