

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

Present: AB/CO: I. Romera, M. Koratzinos, R. Schmidt
AB/PO: H. Thiesen, F. Bordry, V. Montabonnet
AB/OP: G.H. Hemelsoet, G. Crockford
AT/MEL: D. Bozzini, K. Daherlup-Petersen, K.H. Mess,
S. Le Naur
AT/MTM: A. Siemko, S. Sanfilippo
AT/ACR: R. Rabehl, S. Claudet
TS/HDO: R. Saban, M. Pojer, B. Perea

Sector 78

- S. Claudet reported on cryo progress: Stable conditions have been established since 14:00 Friday (15mbar pressure in line B). A transformer situated after the (presumed) problematic frequency converter was changed. This transformer seems to have been the source of the problems over the past weeks. Burst tests were also performed. No EMC perturbation was seen. The magnets will all be below 2K some time today.
- ELQA will continue with the 60A converters in the tunnel in sector 78 today.
- H. Thiesen: On Friday one 60A circuit tested. A current of about 10A has flown in one superconducting LHC magnet installed in its final configuration for the first time. Seven more circuits have been released by ELQA and are available for tests. The available circuits are:
 - RCBH11.L8B1
 - RCBH12.L8B2
 - RCBH13.L8B1
 - RCBH14.L8B2
 - RCBV11.L8B2
 - RCBV12.L8B1
 - RCBV13.L8B2
 - RCBV14.L8B1
- After the preliminary tests (10A and transfer function measurement) the correctors will undergo powering to nominal (to 55A) according to the procedure defined by MPP and implemented by the sequencer team. P2N will start tomorrow.
- We are still operating with a verbal CRYO_START (EIC from the HCC team calling the cryo control room). A. Siemko expressed the wish for rapid convergence to the final solution with an exchange of information between cryogenic system and power converters to permit powering.

- R. Rabehl: tests of DFBMA continue after the flow meter was installed. Flow meter has shown that (for the chimney with 8 leads where the flow meter was installed) the flow has up to now been about 40mg/sec compared to the nominal 80mg/sec.
- D. Bozzini: one open non-conformity in the tunnel (at 22L8, an instrumentation cable needs to be changed). Should be corrected soon by J.C.Guillaume and his team, before the ELQA for that circuit can be performed.
- Next meeting Tuesday, 24 April at 8:30 in 2889-R-009

M. Koratzinos

Open Hardware Commissioning Issues in SECTOR 78

REGION	ISSUE
SECTOR 78	
	World-FIP repeater may not be connected to the UPS - AB/PO segment
	Voltage tap problem in 33R7 quadrupole - Another tap will be used instead. However the damaged tap might be floating on the conductor.
	Non-conformity of the crates of cryo instrumentation (inrush current) (A.Suraci)
	Securing of the ventilation units
	Circuit RCBCHS5.L8B1 (in Q5) suffers a breakdown at around 500V due to a weak insulation.
	Continuity error with cable 1813004A and a wrong housing of 1702440 which should be replaced (D.Bozzini) check
	EI_QA performed on C16L8. ICC test showed reversed sequence of V-taps on circuit RCBV16.L8B1 (D.Bozzini) check
	BPM connection in Q2 (R.Jones) ? waiting for Inner Triplet to be repaired
	Re-installation of 3 BLMs interfering with pumping groups (B.Dehning)
	MB1055 magnet to be changed before powering above 2kA RB.A78
	Inner Triplets in Points 7 and 8 to be replaced
	Water leak on the tunnel concrete wall to be fixed (C33L8).

Closed hardware commissioning issues in sector 78 can be found at <http://hcc.web.cern.ch/hcc/activities/activities.php?region=S78>.