

3 May 2007 08:30 in 2889-R-009

Present: AB/CO: M. Koratzinos, R. Schmidt, M. Zerlauth,
A. Castaneda
AB/PO: V. Montabonnet, H. Thiesen
AB/OP: M. Albert
AT/MEL: V. Chareyre, S. Feher, G. Kirby, B. Flora
AT/MTM: A. Siemko
AT/ACR: S. Claudet, R. Rabehl
TS/HDO: R. Saban, A. Vergara, M. Pojer, M. Solfaroli,
MP. Casas Lino

Sector 78

- S. Claudet reported on cryo progress since the last meeting: The switchover of cryo plants started on Monday with the successful switching over of the 4.5K units. The 1.8K units were switched over yesterday (Wednesday). We are now in cold stand-by mode at a pressure of 70mbar. No major problems were encountered. Will start pumping down to 15mbar at lunch time today. Soon we will be able to quantify the effect of the new plant on the performance of the DFBs.
- Blowers of hot air will be installed today on DFBMC in the continuing investigation of condensation problems. S. Claudet suggested to operate the two DFBMs (DFBMC and DFBMA) with similar conditions to better isolate the effect of the heaters and other anti-condensation measures to other effects.
- A. Siemko informed the meeting that the MPP decided to release the Q4 and D2 magnets (that had the mechanical problem with the feet) for powering.
- M. Zerlauth noted that the 6kA sequencer is nearly ready: needs half a day of testing on a (short-circuited) power converter. A. Vergara will provide the name of two power converters for testing for this afternoon, probably the converters for Q6. DFBAO will need to be fenced off.
- PCC and PIC2 for some 120A circuits will also start this afternoon (if cryogenic conditions permit)
- S. Claudet mentioned that for the 120A tests we will move from the verbal 'Cryo_OK' to real signals for CRYO_START and CRYO_MAINTAIN.
- M. Pojer reported on meteorological conditions in the tunnel. He has taken a number of temperature and relative humidity measurements along the arc. The readings are summarised in

<https://twiki.cern.ch/twiki/bin/view/HCC/BlogEntryPoint8x2007x05x03x00x42?point=8>. Points to note include the change in temperature and humidity along the tunnel: close to point 8 we have 20.5°C at 44% RH and in Q12R7, close to point 7 17.3°C at 53% RH. Both these correspond to a dew point of about 8°C. An error of a few degrees should be associated with the temperature measurement of the 60A leads. The dry air unit was operational during the measurements (yesterday evening). The wind speed in the tunnel will be measured tomorrow.

- Proposed plan for the day and for tomorrow: Please see <https://twiki.cern.ch/twiki/bin/view/HCC/BlogEntryPoint8x2007x05x03x12x49?point=8>.
- Next meeting Friday 4 May at 8:30 in 2889-R-009

M. Koratzinos

Open Hardware Commissioning Issues in SECTOR 78

REGION	ISSUE
SECTOR 78	
	QPS voltage tap problem in quadrupole 33R7 - Another tap will be used instead. Attention because 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
	Four circuits in Q5 suffer a breakdown at around 450V due to a weak insulation. The four circuits are RCBCVS5.L8B1, RCBCHS5.L8B2, RCBCHS5.L8B1 and RCBCVS5.L8B2. Insulation towards ground and other circuits is OK.
	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
	MB1055 magnet to be changed before powering above 2kA RB.A78
	Inner Triplet in Point 8 to be repaired
	Failure of supports (red jacks) of D2-Q4 in L8 - temporary repair in place. EDMS document "Major movements of the D2-Q4 magnets and supports in 8L" https://edms.cern.ch/document/833365/1
	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>.