

RAT in P4 - *Status of Sector 45* - Preparation of Cool-Down

HARDWARE COMMISSIONING COORDINATION - WEEK 45

14th November 2007, POINT 4 (2485 2-001 SX4)

Present: A. Ballarino, B. Bellesia, I. Brunner, E. Ciapala, G. Crockford, P. Collier, K. Dahlerup-Petersen, S. Deleval, R. Denz, R. Flora, F. Moro, A. Perin, S. Redaelli, A. Rijllart, R. Saban, M. Solfaroli, A. Suraci, H. Thiesen, M. Zerlauth.

Next meeting: Thursday 15th in CCC, 8:30

General news:

HCC meeting on Thursday 15th in Bld. 30-7 meeting room at 14:00:

Safety measurement and access condition of P4 during RF test

Detailed planning for the powering test for Sector 45

W46:Thursday 15th: Power cut - from 7:00 to 7:15

W46:Thursday 15th: CCC re-initialization - at 11:00-11:30

W46:Friday 16th: RP test (morning): RA43 - RA47 accessible.

W46:Friday 16th: RF interlock test (afternoon): RA43 - RA47 not accessible.

W47:Monday 19th: EIQA on LSSs

RP training course for Cryo + RF + HCC - (Doris F.):

- Doris will give a short RP introduction in POINT 4 (2485 2-001 SX4) to aware people about the safety aspect put in place for the RF tests, two sessions (Max 20p each):
 - Wednesday (21/11/07) at 10:00;
 - Wednesday (21/11/07) at 14:00
- *Lists of people are expected to be provided to Doris F. by the concerned team coordinators by the end of the week.*

Cooldown and Preparation for Powering

Cryo (-):

- Cooldown ongoing
 - Magnets Filling ongoing
 - RF 100 kW heater is being commissioned

DFBs Commissioning (A. Perin)

- Ongoing: DFBMG reached the Stand-by 2: level accurate at 1%; temperature sensibility 1K.
- All DFBs in standby 1 (warm) to avoid over-pressure during power-cut
- Order and progress in the commissioning can be found in:
\\cern.ch\dfs\Users\a\aperin\Public\Commissioning\Sector 4-5 Sector 4-5 DFB comm.xls (Antonio P.'s Public)

DFBs:

- *Current leads heater problems (Pascal C./P. Denis):*
 - DFBAI:

- DFLCS.01: Le problème ne vient pas du chauffage. Comportement et débit A CONTROLER.
- DFBLD:
 - DFLCS.09 tête de l'amenée froide (débit trop important?)
 - DFLFS.01: problème de lecture de la température de l'amenée à la salle cryo (la T° visualisée en salle de contrôle est plus froide que la T° réelle).
- *Clamp Installation/galvanic insulation (R. Mompò): Done*
- *13kA Water cooled cable swapping in RR53 (TS-EL): on Thursday 15th.*
- *Cable protection in UA/RA47 ongoing - up to Friday 16th.*
- *Water leak in RQ6.R4 (S. Atieh): fixed.*

DFB cryo instrumentation cables (A. Suraci):

- Break-down during HV test of a DFBAH cable: ACR will solve it
- 2 probes of the 120A in DFBLD swapped.
- DFBAHs in 4R done - ready for commissioning and ELQA
- Tests on DFBAHs ongoing
- Intervention on RF liquid sensor calibration to be done this week.

ELQA system setup (V. Chreyre): delayed to next week before the ELQA at cold

QPS (R. Denz) - EE (Knud): ready for IST

PIC (A. Castaneda, I. Romera): ready for IST

Sequencer test (M. Zerlauth/D. Nisbet/A. Vergara)

- The test will be performed on the converter in the UA83. PC terminal short circuited.
- On Friday reset of the CCC applications: not available for the day. No impact for the preparation of the Powering tests.
- Sequence for RB to be test as soon as possible in the UA47.
- *Frank Moro: Water cut in P8 on Thursday 22nd.*

Installation activities:

- BGI installation in 4R from Monday 12th - on going
- Bake-out, jackets installation in 5L in the collimator proximities: on going up to the end of W47.
- Door installation for the Access system in the Arc45: on Thursday 15th

Point4: Access and zone definitions:

- UX45 will be declared as a supervised radiation area (<3μSv/hr)
- UA43-UA47-US45-UW45 will be defined as non designed zones. (<=0.5μSv/hr)
- LSSL4/R4 not accessible during RF test: interlocked zones.

- *Barriers 2m high will be installed on the last floor of the UX45 by TS-IC in order to avoid the access to the roof of the RB part where the cavities are hosted.(Action S. Weisz)*
- Network of reference people during RF tests: RP (Isabelle B.), RF (Pierre M.), Cryo (Udo W.-Jean-Paul L.), HCC (Boris B. Matteo S.).

Open Issues sector45

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| 14.11.07 | Wrong Cable routing on DFBLD |
| 14.11.07 | Break down during HV test of a cryo instr. cable - reparation on going by ACR (Suraci) |
| 12.11.07 | Cable connection on going/DFBs cooldown... |
| 12.11.07 | Few problem on Cuurent leads heaters |
| 12.11.07 | LEM installation on RU.R4 circuit |
| 07.11.07 | Water leak in a water cooled cable of RQ6 |
| 08.10.07 | EE water cooled cables swapped on DFBAI. |

Closed Issues sector45

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| 12.11.07 | NC on the cabling of the undulator (num 851156). TS-EL |
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