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)


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
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):
    o Wednesday (21/11/07) at 10:00;
    o 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
    o Magnets Filling ongoing
    o 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\aaperin\Public\Commissioning\Sector 4-5 Sector 4-5 DFB comm.xls (Antonio P.'s Public)

DFBs:
  Current leads heater problems (Pascal C./P. Denis):
    o DFBAI:
- DFLCS.01: Le problème ne vient pas du chauffage. Comportement et débit À CONTROLE.
  - 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. Mompo): Done
- 13kA Water cooled cable swapping in RR53 (TS-EL): on Thursday 15th.
- Cable protection in UA/RA47 ongoing - up to Friday 16th.

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.
- DFBMs in 4R done - ready for commissioning and ElQA
- Tests on DFBAIs 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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<thead>
<tr>
<th>Date</th>
<th>Description</th>
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<tbody>
<tr>
<td>14.11.07</td>
<td>Wrong Cable routing on DFBLD</td>
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<tr>
<td>14.11.07</td>
<td>Break down during HV test of a cryo instr. cable - reparation on going by ACR (Suraci)</td>
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<tr>
<td>12.11.07</td>
<td>Cable connection on going/DFBs cooldown...</td>
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<tr>
<td>12.11.07</td>
<td>Few problem on Cuurent leads heaters</td>
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<tr>
<td>12.11.07</td>
<td>LEM installation on RU.R4 circuit</td>
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<tr>
<td>07.11.07</td>
<td>Water leak in a water cooled cable of RQ6</td>
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<tr>
<td>08.10.07</td>
<td>EE water cooled cables swapped on DFBAI.</td>
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### Closed Issues sector45

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<tr>
<td>12.11.07</td>
<td>NC on the cabling of the undulator (num 851156). TS-EL</td>
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