

4 June 2007 08:30 in 2889-R-009

Present: AB/CO: M. Zerlauth, R. Schmidt, A. Rijllart
AB/PO: V. Montabonnet, H. Thiesen, Y. Thurel, D. Nisbet
AB/OP: G. Crockford
AT/MEL: S. Feher, G. Kirby, K-H. Mess, A. Ballarino, S. Le
Naur, V. Chareyre, R. Denz, B. Flora
AT/MTM: A. Siemko, R. Mompou
AT/ACR: R. Rabehl, S. Claudet
TS/HDO: B. Perea-Solano, R. Saban, M. Pojer, B. Perea-
Solano, M. Koratzinos, A. Vergara

Powering Tests - Sector 78

- On Friday (01/06) morning the safety chain of a cabinet was accidentally broken and the arc was disconnected from the pumping group. Pressure was lowered to 70 mbar during the day, however, due to a misunderstanding, the valves were not left from Friday to Saturday on the correct position and the Line B was filled with liquid Helium during the night, which made impossible the pumping down to 15 mbar on Saturday. Today (04/06) the Line B will be dried and this evening or tomorrow pumping down to 15 mbar will start. If everything goes fine, 1.9 K conditions should be recovered tomorrow.
- The EIQA of the 600 A circuits and the RB cannot continue today due to the change in cryo conditions. In the meantime, the proximity equipment will be disconnected from the DFBA's (this afternoon after the boil-off tests) and the warm part will be checked.
- Reiner informs that the voltage discharge experienced on Friday was seen by the local quench detectors of the arc, up to 20 triggers were experienced along the whole arc.
- Boil-off tests of the DFBAO and DFBA will be carried out this morning before disconnecting the proximity equipment.
- The DFBMH is released for powering. PCC Circuit Config tests will be carried out this morning for RQ6.R7B1, RQ6.R7B2 and its 120A correctors from RR77.
- Amalia presented the last news about the triple quench event on Thursday (<https://twiki.cern.ch/twiki/bin/view/HCC/BlogEntryPoint8x2007x06x04x11x06>) At the moment of the quench an oscillation is seen in the helium level in the DFBA, since a quench in the magnet should be totally transparent to this parameter Amalia explains that likely the quench was originated in a D2 busbar in the DFBA. The FPA sent by the PIC provoked the trip of the

quench detector of Q5 and still needs to be understood the cause of the quench in Q4. Vincent explains that the Q4 and D2 cables through the DFBMA are asymmetrically arranged, this can explain the propagation of the quench from one cable to the other. Further studies will be carried out today.

- Meanwhile RQ5.L8 and its two available correctors will be powered up to nominal current and left there for several hours. RQ4.L8 and RD2.L8 will be powered today at i_{min_op} .
- Markus informs that some LSA update will be done this morning, which may affect the fix displays in the CCC. This should not affect at all the normal progress of the tests planned for today.
- Next meetings:
 - ✓ Today (04/06) at 16:30 in CCC
 - ✓ Tomorrow (05/06) at 8:30 in Point 8

Antonio Vergara