

RAT in Point 8 Réunion Avancement Travaux

HARDWARE COMMISSIONING COORDINATION - WEEK 21

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

Present: AB/CO: M. Zerlauth, R. Schmidt
TS/IC: H. Gaillard
AB/PO: V. Montabonnet, F. Bordry, A. Cantone
AB/OP: S. Redaelli
AT/MEL: S. Feher, G. Kirby, K-H. Mess, A. Ballarino, S. Le Naur, V. Chareyre, R. Denz, P. Chambouvet, K. Dahlerup-Petersen, B. Flora
AT/MTM: G. D'Angelo, S. Sanfilippo
AT/MCS: G. De Rijk, A. Verweij
AT/ACR: R. Rabehl, F. Millet
TS/HDO: R. Saban, M. Pojer, A. Vergara

Powering Tests - Sector 78

- Pumping to 1.9K started yesterday at 16:00. Some interventions will be carried out today for increasing the robustness of the cold compressor in order to avoid problems like the ones encountered last week. In case of loosing the current situation due to such interventions, the recovery time would be around two hours and it would be transparent to the 4.5K He bath.
- Yesterday (22/05) two correctors of Q5 and two of Q4 were commissioned up to PNO.2. Mirko reports the following events:
 - The beginning of the tests was slightly delayed due to some oscillations in the DFBM helium level that prevented cryo to give the CRYO_START. Francois explains that this was due to the protection of the level sensor, which was switched off and on depending on some temperature sensor read-outs. The system has been modified and now only the temperature sensors in the Helium bath are able to interlock with those temperature level sensors.
 - The current limitation by hardware on the converters of Q4 correctors had not been removed and that made some tests fail. Probably due to this, the post-mortem data sending from the FGC got blocked, which prevented us to restart the tests. Stephen Page has been already informed.
 - RCBYHS4.L8B2 shows a high voltage value on one of its leads (250 mV), Vincent reminds that this was already seen a couple of weeks ago and it was due to a problem at the level of the instrumentation connector. Although it had been fixed, the boiling-off of the DFB carried out last weeks might be damaged it again.

- Battery tests for PNO.1 and PNO.2 steps could not be carried out because AB/PO can only capture one current cycle at a time. Antonio reminds that, for PNO.2 a Post Mortem buffer is generated at the end of the cycle that, as it is shorter than 17 min, contains data the data of the whole test. The same could be implemented for PNO.1 and parallel tests would be then feasible.
- MPP Report on the quenches experienced on Monday (21/05):
 - RQ5.L8 – Quench at 3941A. The quench is clearly a training quench. Some more should be expected (up to 5) before reaching nominal current. All the systems performed well. Powering should continue today.
 - RQ4.L8 – Quench at 310A. It has not been totally understood yet the reason of the quench. MPP will continue looking at it. In the meantime, Reiner will update the software of the detector and controller in order to improve the data sent to the post-mortem system.
- Next meeting Thursday, 24th of May at 8:30 in 2889-R-009

Antonio Vergara