LHC RF Meeting
13th August 2009

Participants: Frode Weierud, John Molendijk, Olivier Brunner, Pierre Maesen, Edmond Ciapala, Andy Butterworth, Joachim Tuckmantel, Wolfgang Hofle

1. **UX45**
   - It will be possible to cool down sector 4-5 from 22 August.
   - The sector 3-4 cooldown should start next week.
   - The zone will be completely closed during 3 weeks while cooling from 300K to 20K. Only the arc will be closed. The door from UJ43 will be completely closed. Personnel will be allowed in through UX41, material via UJ47. An ADI EDH document is necessary.
   - Coupler WG arc detectors have been installed, shielding will be installed as soon as it has been built, but there are problems in the workshop with water cutting. Eric needs to finish some work on the coupler blowers.
   - UX45 vacuum chamber alignment needs to be checked and followed up with the vacuum group.

2. **ADT**
   - Abort gap cleaning: Daniel has not had time to advance on the final implementation.
   - Wolfgang presented the [measurements on ADT HOM ports](#).

3. **Role Based Access Control (RBAC) tests**
   - After the passage to RBAC strict mode, the situation is as follows:
   - In UX45 no rules have been deployed in the Faraday Cage FECs, as the MATLAB applications are not RBAC-enabled and will therefore not work.
   - The OPERATIONAL/NON_OPERATIONAL machine mode has not yet been implemented by CO, so almost all of our rules do not work. RBAC checks were removed completely from SR4. They will be put back when problem is solved.

4. **SM18**
   - Cavity 19 has been re-treated, and qualified in vertical measurements. It needs to be re-mounted in the cryostat with tuner etc.
   - The tuning has been modified in the spare module.
   - Cryo: needs a complete warmup including the 25000 litre dewar (for the first time ever). G. Coucourou is responsible for SM18 operation.

5. **LMC**
   - The decision was made to run at 3.5TeV, increasing at the end of the run.
   - The DFB feed line replacement is going faster than expected.
   - It is foreseen to do an ion run at end 2010.

6. **LLRF**
   - Analog demodulator calibration in UX45: 10dBm at cable input should give 0dBm at output of demodulator. The biggest error is about 7% in power.
   - Phase calibrations are much easier now with the MATLAB tools.

A. Butterworth, 22nd September 2009