

LHC RF Meeting

3rd March 2006

Participants: Andy Butterworth, Olivier Brunner, Edmond Ciapala, Wolfgang Höfle, Pierre Maesen, Eric Montesinos, Joachim Tückmantel, Frode Weierud.

1. Installation progress (Olivier)

✚ **QRL work:** Pressure testing has been done on sector 3-4, some leaks have to be repaired. Completion of the final section of 4-5 in the area between the shielding walls is ongoing. We expect cryo work in this region to finish by mid-March.

✚ **CV activities:** Installation of the ventilation systems will start with the units in the UX45 racks, then the bunkers, the Faraday cages and the tunnel roofs. Roof blocks need to be in place for installation of the cooling units, so far the whereabouts of these blocks is unclear.

✚ **Waveguides:** Installation is going well and has been completed as far as can be done at the moment. Cable tray installation and cable pulling has to be done in the area between the walls before installing the waveguides.

2. Couplers (Eric)

✚ **Couplers MC126/127:** These now in SM18, having been demounted from the test cavity after conditioning in SA2. One will be fitted to module 5 next week.

✚ **Couplers MC128/129:** These have been fitted to the test cavity and conditioning in SA2 will start next week.

3. ACS Modules and SM18 (Pierre)

✚ **Module 3:** Is ready for low power tests in the bunker after tuning spring fitting on cavities C and D and the safety dome modifications. The helium circuits have been checked out successfully during the normal pre cool-down procedure. Cool-down should start today.

✚ **Module 5:** The coupler on cavity C will be changed next week in the clean room. We have decided not to do a bakeout on this coupler after fitting on the module. The vacuum group have no objection.

✚ **Tuner Bellows:** A prototype has been received from a second manufacturer. It appears to be well made and is cheaper than the one presently under test. It will be fitted to the test system for cycling tests. A choice will have to be made soon in order to fit the new bellows on the modules before their installation.

4. ACS power (Olivier)

✚ **Ionisation in Klystron HV box:** The klystron manufacturer will put epoxy around the HV connector, rather than changing the design of the connection itself.

5. ADT (Eric/Wolfgang)

✚ **Anode power supplies:** Power tests have now been completed all 9 converters. They have now been transported to SR4 and put in place. They will be connected next week.

✚ **Kicker assembly:** The Dubna team have assembled five kickers in B113 with the aim of completing as many as possible, at least 16, by the end of their present stay which will end in 3 weeks.

6. AoB

✚ **Cryo planning and hardware commissioning:** In the official planning cool down of the modules should be done already this year. The status should be followed up with AT-CR and a program agreed for pre-testing of critical controls and interfacing. **(Action: Ed)**

Next Meeting: Friday 10th March at 08:45 in the JBA room.

E. Ciapala, 8th March 2006.