

LHC RF Meeting

9th April 2003

Present:

Luca Arnaudon, Thomas Bohl, Andy Butterworth, Olivier Brunner, Elena Chapochnikova, Edmond Ciapala, Wolfgang Höfle, Trevor Linnecar, Roberto Losito, Joachim Tückmantel, Volker Rödel, Daniel Valuch.

1) Follow up from the last meeting 2nd April 2003.

i) EVM and follow up:

Checking with respect to the Cost-to-Completion is ongoing. The main task for the moment is ensuring that everything has been included (but only once!) and identifying the budget codes within the WUs, to facilitate tracking later on (**Action:** Volker, Ed, Trevor)

A general EVM meeting with Project Management will be held on 11th April at 10:30 in the LHC Amphitheatre. Details on implementation will be explained. All WU holders are asked to participate.

ii) Integration and installation at Point 4 (Volker)

- There is discussion on tunnel ventilation via the roof of the UX45 cavity tunnel. It is understood that CV now request passages in the roof. The issue of removal of the roof for module replacement is part of the ongoing integration studies.
- Shielding wall – Objections were raised during the recent approval process, as to whether the design had been officially approved by TIS. All the necessary simulations have already been done. This should be clarified between R. Valbuena and TIS. (**Action:** Volker). The drawing is out for approval by 15th April. The wall construction will be from 30.7.2004 to 31.12.2004.
- Routing of the flexible cryo lines. Roberto will check the details with L. Serio and a drawing will be made (**Action:** Roberto)
- Cabling and cable trays – J-C Perrier is compiling cabling lists with the specialists: Volker, Olivier, Wolfgang, Philippe & Luca and preparing schematic drawings. These will be presented at the next meeting.

iii) Planning

An RF specific view of the planning should be prepared after Easter.

iv) Radiation studies in UX45

We have to negotiate for A. Ferrari's time, with ATB group. The holes in the LEP dipoles of the UX45 platform complicate the simulation. It was agreed that a first simulation be done assuming solid blocks. This should take 2 weeks. (**Action:** Trevor, Andy)

2) Round Table

i) ADT (Wolfgang)

Two kickers have been completed in Dubna and vacuum tested to 10E-7. They will be further tested on arrival at CERN.

ii) Low Level RF (Philippe)

The design of the Analog demodulator, tuner module and IQ demodulators is progressing rapidly.

iii) ACN cavities (Roberto)

Status: Cavity 1 is ready, Cavity 2 being cleaned - ready by end of week, cavities 3 & 4 tested and accepted, now to be cleaned. Cavities 5 & 6 will be ready by end of June. Bake-out will be postponed until time is available to start conditioning.

iv) ACS Modules and SM18 (Roberto)

- Module 3 has been through three cycles to date. As far as can be seen this is going as expected.
- The SM18 upgrade is progressing. Transport of the LEP power supply transformer to SM18 needs approval of the French authorities.
- SM18 Meetings continue every Friday at 09:30.

v) TCC (Volker)

There will be a TCC on April 25th. The UX45 shielding wall will be discussed. Shielding wall and tunnel roof issues - see **1) ii** above, need to be clarified beforehand.

Next Meeting

Wednesday 23rd April 09:00 in 864 1 C 01

Agenda

- Cabling for all systems: documentation and status (JC Perrier)
- Shielding wall and tunnel roof in UX45 (Volker)

E. Ciapala, 15th April 2003