

LHC RF Meeting 26th March 2003

Present:

Luca Arnaudon, Philippe Baudrenghien, Thomas Böhl, Olivier Brunner, Edmond Ciapala, Wolfgang Höfle, Trevor Linnecar, Roberto Losito, Eric Montesinos, Joachim Tückmantel, Volker Rödel, Daniel Valuch.

1) Follow up from the last meeting 19th March 2003.

i) Earthing for HV equipment in UX45

Olivier gave a brief outline of the earthing arrangement in UX45 for ACS power equipment. Klystrons will be connected by heavy copper braiding to star points in the HV bunkers. A higher impedance path will however remain via the platform. The bunkers will be connected by copper bars. A detailed layout will accompany the general cabling layouts. J-C Perrier is completing the overall cabling dossier and will present it at a future meeting.

(**Action:** J-C Perrier).

The brief summary of the special meeting on earthing, with John Pedersen ST-EL, held on 12th March has still to be circulated. (**Action:** Ed.)

ii) EVM and follow up:

A last EVM 'Panel' meeting was held on 25th March. Our aim is to upload all data by Friday 28th March. For infrastructure and cabling we will have to take the Cost-to-Completion estimates. The remaining systems are software and diagnostics and Low Level RF.

(**Action:** Ed, Volker, Andy & Philippe).

iii) Integration at Point 4

The special meeting will now be held on 26th March. Everyone concerned is again encouraged to attend. The situation and outstanding problems will be reported at the next meeting

(**Action:** Volker)

iv) UX45 Layout & Installation

Use of ex-LEP racks. We now agree to re-use the remaining 400 + racks stored in ISR.

We should seek agreement with potential users of LEP equipment on the use of LHC standard controls hardware and equipment.

Our request for racks is probably too high. In SR4 fewer ACS racks are needed than appear in the plan. The Faraday cage estimates are probably also excessive. J-C Perrier will revise our estimates for a special meeting organised by J-C Guillaume for 27th March.

(**Action:** J-C Perrier).

The SR4 layout plan should be updated accordingly, This should also take into account re-situating of ADT supplies and staging of ACN.

Mobile Racks for Klystrons in UX45 Have been ordered.

Cooling Water pipe layout details for ACN and ADT need to be finalised...

(**Action:** V. Rodel+J-C. Perrier.)

v) Storage space

SW18 has been suggested by S. Maury. The space is probably insufficient for waveguides. Olivier will make an estimate of the total volume needed. (**Action:** Olivier)

2) Round Table

i) ADT

The specification meeting for power supplies will be held on 9th April. Similar power supplies must be purchase for LEIR. The question of grouping the market survey has been raised by AB-PO. The question of giving AB-PO responsibility was discussed.

ii) ACN cavities (Roberto)

Two more cavities are in B867 for vacuum tests.

iii) ACS Power Couplers (Eric)

Production of windows for the couplers is still on schedule.

iv) DCCTs for Klystrons. (Daniel)

The suitability and availability of the two ex-LEP types of DCCTs for klystron current measurements should be discussed with B. Lambert. Conclusions can be presented at a future meeting (**Action:** Daniel)

Next Meeting

Wednesday 2nd April 09:00 in 864 1 C 01

Agenda

- Follow up from last meeting
- EVM status
- Radiation studies in UX45
- Round table

E. Ciapala, 1st April 2003