## LHC RF Meeting

26 November 2003, 9h00 to 10h00

Present: Ph. Baudrenghien, O. Brunner, W. Hofle, T. Linnecar, V. Rodel,
J.Tuckmantel, D. Valuch.
Absent/Excused: L. Arnaudon, Th. Bohl, A. Butterworth, E. Chapochnikova,
E. Ciapala, R. Losito, E. Montesinos.

## Vacuum and radiation single event upsets:

More realistic evaluations of the vacuum are needed (including the ACN cavities, the APW pick-ups and the dust traps).

For the Low Level RF racks, we follow up two possibilities:

Use of radiation resistant equipment in the UX45-cryo area. A module with critical dense chips should be tested e.g. in the SPS.
 2) Relocation to the UX45-klystron side. Moving all klystrons away from the second shielding wall by about 1.5 m would provide enough space. The area reserved for transport in front of TX46 would stay free. Cable lengths are ok. To be studied.

Action: Olivier, Volker.

RUX45, RB44, RB46 Integration : The approval procedure has been closed.

**UX45 Integration:** Good progress by Sylvain. Cables trays, cooling pipes, ventilation ducts are being integrated now.

Dust traps: There is sufficient space in the RF zone. No news on design yet.

ADT connections: Cooling design in progress. J.F. Malo builds a prototype. Series production by ST/CV. No progress on cabling which depends on supports (designed by JINR). *Action: Wolfgang.* 

**ADT EVM modifications:** Funds are moved from small power converters to the larger ones.

**Racks**: We keep all LEP RF racks. They are mounted in groups of 5 and 6 on supports. Provisional storage in SR4. Layout of racks in the Faraday cage to be done.

**US45 Integration:** The 3D-drawings are now out for approval and will be refused by us (HV junction boxes and trays for HV cables are missing).

**ACS status:** 3 couplers have been working at 275 kW cw. Power test on the 4<sup>th</sup> coupler about to start. Cavity tests foreseen for next week.

The ceramic discs for polarization are now niobium coated (made at CERN) and are ready for cycling tests.

**Next meeting**: Wednesday, 3 December 2003, at 9:00 h, in 864-1-C01. Reported by V. Rodel