NTS 96-37 Date : June 20, 96 B. Mours

INFN - CNRS

Minutes of the Electronics & Software Meeting
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Please refer to the enclosed transparencies for the details. Here we only gives some comments about the discussions.

• R. Bilhaut: Presented VIRGOnet, the network for Virgo.
• P. Roudier: Described the LAL control activities.
- The network call for tender is in preparation. The advertisement should be ready for next week. The goal is to have the first network part ready when the control building will be delivered (next march).
- The pumping part of the tower software will be tested next week. The system should be ready and delivered in September for the Annecy tower. For the final system in Cascina, he still needs information from the vacuum group about restart sequences and cabling. The test system should be made available if we want the software ready in March 97. In fact this test system may only available at the end of this year which will delay the delivery of the software.
- Hardware development: Orsay is investigating the construction of a low cost DAC based on M module with an external trigger for the mode cleaner control.
- Gaz analyser: The use of them has to be understand. The LAL group has to check with Vacuum group what is needed and possible to do.
• P. Heusse: Presented the status of general software packages, And described the foreseen first step for the Supervisor.
• F. Cavalier: Presented new results of the hardware evaluation for the Global Control. A Power PC CPU board build by CES will be tested in the coming months.
• D. Dufournaud: Described the status of the workstation selection. The goal is to have a first set of workstation when the control building will be ready, which means to select the workstations this fall.
• B. Mours: Described the proposition of the new timing system. The corresponding note will be distributed next week in order to freeze the specifications.
• R. Hermel: Presented the status of the photodiode electronic.
• F. Barone: Presented the status of the Building Control , Environment monitoring and raw data archiving system. It was pointed out that the requirements for the cosmic ray detector are not yet defined.
• P. Mastroserio: Gave a presentation about AFS. The Napoli group will investigate the possibility of using AFS to distribute the software starting from the central site in Cascina.
• S. Grasso: Described an evaluation of the very low pressure acoustic noise in Virgo antenna. Following this work he will propose the detailed location of the monitoring microphones.
• D. Borrelli: Presented a computation of the Electromagnetic noise effect.
• A. Grado: Presented an evaluation of the coupling between the acoustic noise and Virgo. Following this work he will propose the detailed location of the monitoring microphones.

Simulation:

• F. Marion: Presented the status of SIESTA, the list of available optical simulations and validations tests of the optical simulation.
• B. Bhawal: Presented a work for a fast simulation of dynamically compound cavities and interferometers.