

MINI-VERTEX MEETING

Minutes of the meeting held on March 3, 1989

Present: P.Cattaneo, H.Dietl, E.Focardi, M.A.Giorgi, G.Lutz, H.G.Moser, A.Schwarz,
R.Settles, G.Triggiani.

DETECTORS (Pisa) - Two detectors are undergoing RF sputtering test in CSEM. If this test will lead to the wanted interstrip resistance the treatment of 6 good detectors will start next monday. 4 crystals out of these 6 will be chosen for the final assembly of two modules.

AC COUPLER - The chips are ready. They will be tested and cut starting on monday and should be available for assembly in Pisa by the middle of next week.

SIDES - The situation is as follows: phi) 2 sides completely OK, 1OK (new design), 1 to be recovered, 2 with some chip to be replaced. z) 1 old side got back from Pisa, 3 sides ready with some CAMEX or decoder chip showing little troubles, 3 without chips. Two complete z sides will be sent to Pisa as soon as possible.

MODULE ASSEMBLY (Pisa) - The assembly procedure we intend to follow has been explained and reviewed during the meeting. Tests are going on to set up the whole machinery needed for the precision mounting of the various pieces. A.Schwarz points out that checks have to be performed following every step of the assembly, thus leading to an easier debugging than a single final test.

MECHANICS - The cable holder has been designed, and will be machined in Pisa next week. Some little modification could be envisaged in order to fit an easier inner shield shape. 4 sector frames have been measured by CERN. The position of the reference pins fit the design specifications within the wanted tolerance. The carbon fiber tubes are in Pisa and the mask for mounting together a sector is under construction in Pisa and will be completed in few days.

POWER SUPPLY - The 3rd prototype is under test in Florence. The final power supply system cannot be ready by beginning of april. MPI asks G.Parrini to send to Munich a drawing of the power supply connectors and to check compatibility to the slow control system.

CABLES - At least 4 TPC cables / side are needed for the initial configuration of Minivertex detector. These must be there even if it's not possible to have the full patch panel / barrak cabling for the first runs.

INSTALLATION - The installation period foreseen for the Minivertex is April 6÷9. This includes the week-end of April 8÷9, during which many of the CERN facilities are unavailable. We plan to collect during the next meeting a complete list of persons and tools needed for installation, in order to place in time the necessary requests.

NEXT MEETING - The next Minivertex meeting will be held on friday, March 17 at 10:00 a.m. in room 32-RA18.