MPI Status Report

HEC General Meeting 7.7.1999

Content

- Module cabling
- Electronics production
- Module assembly
- Various items and Shipments

H.Oberlack
MPI für Physik, München

Status at MPI
- Module Cabling -

- Signal / calibration cabling harnesses:
  - Four sets of front harnesses received from company Soldering much improved

    We look into improvement of bundling

    Expect four sets each month.
  - Eight sets of rear harnesses ready at Protvino‘s electronics shop. Delivery date unclear.
- Calibration distribution boards:
  - Expect new set of HV boards from Kosice

    Date:
- HV cabling harnesses:
  - Expect new set of HV harnesses from Kosice

    Date:
- HV distribution boards:
  - Expect new set of HV boards from Kosice

    Date:

Status at MPI
Amplifier Electronics

- GaAs chips:
  - All GaAs chips submitted to `8-Test'
    Yield remained as before
  - 50 % of chips underwent `4-Test'
    Testing ongoing
- PSB boards:
  - Complete delivery of boards received.
  - 45 (of 320) PSB boards ready.
    Tests ongoing.
  - Expect to finalize 110 boards this year.
- QC for PSB boards
  - Set-up for cold test with cryostat improved.
    LN2 consumption too high. 20 cooldowns per year are needed.
  - Measuring system for mass measurement complete..
  - Mass measurements for 25 boards done.

Status at MPI
- Materials-

- Absorber plates and S.S. items for 2 rear modules (CR25, CR26) received in June from Molniya. Discussion of delivery with Molniya people next week in Munich.
- EST boards for 2 rear module received July 5th from LPI.
- PAD boards
  - for 2 rear module from TRIUMF in house since some time. Pins soldered at MPI. HV tests in progress.
  - for 1 rear and 2 front modules

    sent for soldering and testing to Mainz.
- HC mats from TRIUMF in house since some time.
- Raw copper plates for two rear modules in production. Will be shipped to Protvino beginning of August. Machined plates are expected back at MPI by December.

Status at MPI
- Module Assembly -

- Assembly of next mini-series of module foreseen to start on July 26th.

- Sequence of stacking:
  - Two rear modules
    CR25 CR26 (CU from Molniya)
  - Two front modules
    CF19 CF20 (CU from JINR)

- Cold test:
  Mini-series to be cold tested at CERN in November.

- Rear Modules-0:
  - Absorber plates being upgraded.
  - Stacking to be part of the third mini-series for cold testing.

Status at MPI
- Various ilems and Shipments-

- Inner tie bars:
  70 % received.

- Kapton side covers:
  - Material of proper widths received.
  - Order placed for cutting and drilling of holes.

- Supports for PSB boards on modules:
  Supports for all 128 modules ready.
  Would like to ship large quantities.

- Shipments:
  MPI has to apologize for being is late with shipments. This is due to CERN testbeam and subsequent vacations.
  - TRIUMF: 3 Front modules
  - Dubna: 2 Front modules
  - Protvino: 2 Rear modules