

Test Beam Minutes

Attendees: MA, Alessandra Borgia, Gwen Lefeuvre, JC Wang, Marcin Kucharczyk (SU)
T. Bowcock (U. Liverpool)
L. Eklund, C. Parkes (U. Glasgow)
D. Christian (FNAL)

Lars Eklund: TELL1 V2 status report

System will be tested during lhcb week with a TELL1 V2 board in bld 15. Lars will also secure the 2 repeater boards in the burn-in laboratory, so that we will assemble a good portion of the critical DAQ system next week. If this approach does not work, we will have to reexamine the situation.

Marina Artuso et al: VELO Module mechanics

A coherent design of the interconnect system from the short kaptons to the repeater boards needs to be defined. Tentative plan: short kaptons will be connected with long kaptons mockup in a way that does not stress short kaptons. Long kapton mock-up will be connected via ribbon cable to feed-through board. The ribbon cable will introduce the bend necessary to go to the side. Still mounting, cooling, and rotation system needs to be defined. Similar issues need to be tackled for the RD50 modules. A meeting will be arranged this week with CM Lei (cmlei@fnal.gov) to discuss these items.

Mechanical drawings of components, pictures and specs will be collected by Gwen & posted on the web site.

David Christian: Module construction is on schedule, plane 6 started today. OK for the "old schedule" (VELO data taking in the 3rd and 4th week in May).

Critical path item is now the firmware for the DAQ.

JC:

Working on online program. Rough schedule for deliverables:

Week of April 14 (this week): Histogram Package

Week of April 21: XML pixel detector description + producer

Weeks of April 28/ May 5: (contingent on new Pixel DAQ availability) test of DAQ program at FNAL & Commission Pixel DAQ

Weeks of May 12/May 19: VELO Tracking, Interface to Gaudi (PIXEL track).

Note: this schedule will be finalized once the status of the pixel DAQ firmware is better defined.

ALL:

Discussion on the schedule: Present plan is to achieve a fully tested VELO DAQ at CERN by mid-may, ship to Fermilab and repeat test and DAQ synchronization during the 2 last week of May & do the physics data taking in the 1st 2 weeks in June. A request to update our preferred running time has been sent to Ramberg and Appel by MA.