

Minutes, 4/08/04 Tevatron BPM Upgrade Meeting  
Stephen Wolbers

This set of minutes, and all future minutes, are or will be deposited in the Beams Document Database as document number 792.

The agenda as announced consisted of:

1. Front-end/timing/crate : Bill Haynes, Ken Treptow, Bob Forster
2. Commissioning Plan: Jim Steimel
3. AOB.

1. Front-end/timing/crate

Bill showed some of the latest ideas of the layout and design of the timing card (which includes the diagnostic signal/control) and a crate mock-up (put together by Bob Forster). A copy of the slides shown by Bill will be placed in AD doc 792 as a separate item.

The mock-up used RG-58 style cables -- it is desired that the final design will use thinner cables (RG174 size) and right-angle connectors to make it a nice neat package. All cables, connectors, etc. will be tested for impedance, shielding, etc. Any test cables required will be procured and paid for by the project.

Bill then gave details of the timing card. His design and plans were given (see the slides for details). The order of some of the steps can be modified. Jim Steimel indicated that the system (or at least a final prototype) should be ready by mid-June. This timescale also applies to the diagnostic board. This is driven partially by the timing of the delivery of the first 4 modified EchoTek boards.

Ken gave a nice presentation of the status of the diagnostic board and there was a discussion of the functionality that is desired for the signals, the design and specification of the attenuation system, the filter and its packaging, etc.

2. Jim Steimel - Commissioning.

The commissioning discussion was rescheduled for Monday, April 12.