

Minutes, 1/12/04 Tevatron BPM Upgrade Meeting
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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 (or not announced) consisted of:

1. Jim Steimel -- Commissioning Plan.
2. Bob Webber -- Measurements update.
3. AOB

1. Jim Steimel -- Commissioning Plan

- Jim gave a very nice talk on the start of a commissioning plan for the Tevatron BPM upgrade. The slides of the talk can be found in the Doc DB #969.

- Briefly, the plan envisions the following ground rules:
 - = Commissioning should not interfere with the Tevatron operations.
 - = Commissioning should be quick and efficient.
 - = The new system should give consistent results to the old system.
- These imply:
 - = No separate shutdowns to install the BPMs
 - = Single house commissioning (installation) < 8 hours
 - = Commissioning should occur in times of relatively stable Tevatron operations.

- Jim then went on to discuss the :

- = First house commissioning.
- = The rest of the single house commissioning.

= Final commissioning steps.

- Issues that came up include:

= software/online issues. Can we change from the old to the new format easily? Brian believes that this is easiest if it is done house-by-house.

= timescales. How fast can we install the crates with these groundrules. The answer is probably 2/week, starting in June. This will have to be fleshed out.

= Summer shutdown. How are we affected? Clearly we have to be aware of the shutdown and put it into our plans.

2. Bob Webber -- Measurements

- Bob took advantage of some of the non-collider time on Saturday to take data while having the proton beam move. In particular, during a 12x0 store 3-bumps were used to move the proton beam both vertically and horizontally in 4mm steps. The A14 BPM is primarily affected by the horizontal bumps. The A15 BPM is primarily affected by vertical bumps. The A14 BPM is connected to the RR Echotek which is modified to process the 53MHz component and the A15 BPM is split and read out by the Damper Board and a Scope (250 MHz).

- Details can be found in Beams Doc #967.

- The data can be used to study the position-dependence of the proton signal in the antiproton readout. So people should get the data and start the analysis.

3. AOB.

- Bob described a software assignment that will be fleshed out in more detail but is concerned with getting TBT readout capability from the Echotek system. Dehong will work on it.

- Vince mentioned that the teststand in FCC is moving

ahead.

A plan to install ACNET in FCC has been agreed to and is moving forward. There was some discussion about clock signals and it is something to follow up on.

- Vince also mentioned that he would like a complete list of BPMs per house so that we can lay out the exact number of Echotek cards/house based on that information.

- Jim S. mentioned that we don't have the Penthouse for a proposed Thursday 1:30 meeting this week so we will have to find another place.