

BD/TD Joint Projects Meeting
Wednesday, 26 November 2003, 10:30 AM
TD/Hermitage Conference Room

Present: Jerry Annala, Paul Czarapata, Dave Harding (scribe), Jim Kerby, Gregg Kobliska, Dave McGinnis, Ron Moore, Rich Stanek, Jim Volk, Victor Yarba

AGENDA

Reports of notable achievements or problems

Continued refinement of project list

Expected review and decision dates for:

AP2/Debuncher aperture work

Tev RF

Tev reference magnet system

FMI large aperture quad

Job descriptions due

Electron cooling beam line vacuum

Tev HLS

Tev electron lens

Tev electrostatic separators

Specifications

Various

Notable Achievements or Problems

Beams Division has requested that its name be changed back to Accelerator Division.

Tevatron startup was smooth, but the sources are having some trouble. Recycler vacuum is sufficiently better after the bake-out to reduce the emittance blow-up rate by a factor of three, better than was expected.

Reviews and Decisions

Main Injector agrees with the proposals to build four ILA Lambertsons this year and to build a four-coil curing mold for IQD/IQC/IQB coils.

AP2/Debuncher:

Debuncher injection kicker, no.

Debuncher extraction kicker, yes.

Debuncher injection septum, maybe.

D4Q4 replacement, two LQB's with stand mods.

Tev RF:

Tevatron and RF people are still think about it. TD will do nothing until receiving further instruction.

Tev reference magnet system

Attempting to schedule review of requirements next week

FMI large aperture quad

Dave McG. will check with Main Injector on this. TD would propose to do engineering this FY and perhaps start on building a prototype, with construction to follow in FY05.

Job Descriptions Due

Electron cooling beamline vacuum

A more detailed work description has been submitted.

Tev HLS

TD will not be working on this. It is a PPD project.

Tev electron lens

One proposal has been submitted by TD but was deemed to expensive and risky. A review is needed of this and an alternative solution.

Tev electrostatic separators

The two current jobs are under way. New, shorter separators may be needed eventually if the effort to run the current design harder fails. We will leave the job off the list until such time as it is shown to be needed.

Specifications

The one critical missing specification is the integrated field for the ORBUMP magnets.

Other Business

Jim Volk will be the contact for the alignment-related Tevatron issues in place of Ray Stefanski.

Recycler may need some help with bake-out controls to avoid further overheating of magnetic elements in the future. TD/DT/I&C has appropriate expertise, but is over-committed. AD to evaluate needs.

For the next meeting TD will update the progress reports. AD will respond at the following meeting.

Next Meeting: Wednesday, 10 December 2003, 10:30 AM

Following Meeting: Wednesday, 24 December 2003, 10:30 AM,

Hermitage Conference Room (Industrial Center Building, 2nd Floor, East)