

**AD/TD Joint Projects Meeting**  
**Wednesday, 29 September 2004, 10:30 AM**  
**Wilson Hall Cafeteria**

**Present** : Paul Czarapata, Peter Garbincius, Dave Harding (scribe), Jeff Spalding, John Zweibohmer

**Shutdown preparations and other issues**

Booster dogleg magnets

The four magnets needed for installation were delivered to AD just in time. The universal spare will be completed as time allows.

Booster L13 extraction septum

The last magnet was delivered to AD just in time.

LEP corrector coils

All but one of the magnets needed for this shutdown have been delivered. The last magnet and a few spares have been sent to MTF for measurements.

NuMI /Recycler magnetic shielding

The last pieces are due back from painting tomorrow.

ECOOOL return line shielding

All parts are on site.

Reshimming

Reshimming is going sufficiently well that the Tevatron has asked that an additional 84 magnets be added to the original list of 328. TD has just started work in B sector and is concerned that the water tubes of the level monitoring system in Sector B will slow reshimming to the point that adding 84 magnets would be risky. After a few days TD will assess the progress and determine whether or not to expand the scope. The radiation concerns noted at the last meeting proved to be unfounded.

Conning tower upgrades

Work on the conning tower upgrades is proceeding smoothly and on schedule. Two of four houses are complete and the third is well under way.

Linac PA tubes

Burle has been delivering tubes without the getter, one of which has been tested and failed. This reduces confidence in the spares pool. AD's work on the carburizing facility is progressing. TD's work on documenting the tube dimensions is stalled for want of a designer to draw up the parts that have been measured and make a solid model. Dave will try to find help.

**M&S Task Numbers, funds**

There has been plenty of activity, but no concerns.

## **New jobs**

No new jobs.

## **Priorities for FY2005**

### Continuing jobs:

ILA Lambertsons  
New IQC/IQD spares, IQB rebuilds  
New ORBUMP  
WQB  
LEP correctors  
E-Cool spare 2-m solenoids  
Separator conditioning  
Separator R&D

### Jobs not yet started:

New Booster trim packages  
Larger aperture ceramic beam tubes for Booster extraction kickers  
Tevatron quad modification for sync light  
Pulsed dipoles for MuCool  
Refurbish magnets for MuCool  
Debuncher extraction kicker aperture increase  
Replenish H spool pool

- ?? Design work will start on the Booster trim packages in two weeks.
- ?? TD is working with Booster to specify new, larger aperture beam tubes for the extraction kickers.
- ?? The Tevatron quad modification to accommodate the synchrotron light monitor will probably be an AD project, not a BTeV expense.
- ?? The MuCool beam line is a PPD project, not AD. Work on the pulsed dipoles and refurbished magnets that it requires will not start until there is an approved project. If there is a conflict between it and TD projects, Program Planning may need to set the priorities.
- ?? The new H spools TD plans to build could either use HTS or conventional leads. AD Cryo needs to make a statement of how strongly they want them, to be compared to the risk to the BTeV schedule if the existing leads are used for H spools.
- ?? The Debuncher kicker aperture increase was in the original R2LU plan, but was dropped when it appeared that a simple beam tube change would be sufficient. Work needs to begin if there is to be a chance of having it ready for the 2005 shutdown.

TD will try to have proposed schedule for doing this work at the next meeting. The job list needs to be updated to reflect recent completions and new target dates.

**Next Meeting: Wednesday, 13 October 2004, 10:30 AM  
Hermitage Conference Room (ICB2E)**