AD/TD Joint Projects Meeting
Wednesday, 13 October 2004, 10:30 AM
Hermitage Conference Room, ICB2E

Present: Paul Czarapata, Hank Glass, Dave Harding (scribe), Jeff Spalding, Rich Stanek, Victor Yarba

Status reports

Reshimming
The level-monitoring water tubes in B sector were not as much of an obstacle as feared, so the proposed additional 84 magnets have been added to the project scope. With 106 magnets done in 2003, 12 more in March 2004, the original 328 for the 2004 shutdown, and these 84 additional magnets, 530 out of 774 will have been reshimmed. The remaining 244 magnets can be reshimmed in a two-month shutdown in 2005 if desired.

Conning tower upgrades
Work on the spool corrector feedthrough is proceeding smoothly and on schedule. Three of four houses are complete.

OrBump
There have been some technical difficulties with the bricks for the first magnet, but construction is proceeding.

Linac PA tubes
Documentation of the existing tubes is stalled. With the Linac probably needing to run for another dozen years and the capacity of our vendor to build and rebuild tubes in jeopardy, this is an important problem. A long discussion ensued on the wisdom continuing with this technology. Alternatives include a complete replacement of the low energy section of the Linac with a commercial system or replacing the drive system with klystrons. Paul Czarapata was asked to prepare a brief paper emphasizing the seriousness of the problem and discussing the advantages and disadvantages of the responses that have been considered. Rich will explore getting an experienced designer from PPD and check on the room in the budget for hiring one. Paul thought that he might be able to find money to hire a contract designer to free up time for the TD designer who has been working on the tubes.

New jobs

PMAG cores
TD has been asked to build several more PMAG cores. These are for the pulsed dipole immediately downstream of the P-Bar production target. TD builds the cores and AD assembles the magnets from the cores, conductors, insulators, and so forth.

LEP corrector count increase
The count of LEP correctors requested for the shutdown increased by two last week.

Priorities for FY2005

A first draft schedule of labor for the IB2 technicians was distributed. They are fully booked through FY05 without including the spare 2-m solenoids, which are a high priority; the Debuncher extraction kicker, which can probably be absorbed by the reserve for small jobs; the Booster kickers, same story; or the MuCool magnet work. Separator work at MP9 is also not included, but might provide one or two technicians.

The MuCool project, including the beam line, will be run from PPD. AD regards MuCool as very low priority. We may need assistance from the Directorate in establishing priorities for TD.

Jeff will mark up the job list with priorities and comments before the next meeting. Jeff will try to organize a meeting to establish the separator plan for FY05, including both conditioning existing separators as ready spares and pursuing the R&D effort.

Next Meeting: Wednesday, 27 October 2004, 10:30 AM
Hermitage Conference Room (ICB2E)