

AD/TD Joint Projects Meeting
Wednesday, 25 August 2004, 10:30 AM
Club 157 Conference Room

Present: Paul Czarapata, Peter Garbincius, Henry Glass, Dave Harding (scribe), Gregg Kobliska, Jeff Spalding, Rich Stanek

Notable Achievements or Problems

Booster dogleg magnets

Problems with measurements and choosing pole face shims have delayed completion of the magnets, but the shims are now all installed. The beam tubes have suffered from deforming under vacuum, so they are being modified. The project is behind schedule, but should still be completed in time for the scheduled installation.

Booster L13 extraction septum

All parts are in hand for the modification to the last magnet.

LEP corrector coils

All the coils required for the shutdown have been wound and wrapped with fiberglass tape. The horizontal coils were potted last week, but did not turn out well. TD expects to recover them. The potting procedure will be modified for the vertical coils. All core parts are here, so assembly can begin when the coils are ready. Recycler wants 4 horizontal magnets out of the 11 in the first batch and 9 vertical magnets out of the 10 in the first batch.

NuMI /Recycler magnetic shielding

The last shipment to the outside painting company is scheduled to go out today with a one-week turn-around.

AP1 Bump Magnet

Measurements are complete and the magnet is ready to ship.

Debuncher injection septum magnet

The Debuncher injection septum magnet has been shipped.

ECOOOL return line shielding

Procurement is activity continues.

Reshimming

The list of magnets to be reshimmed was certified last Thursday. This late date engendered concern from TD due to the need to extract old data from travelers on those magnets. Anchor measurements are moving well, as is the reshimming in the tunnel. There may be an issue with residual radiation levels around F11-F14, but there are conflicting reports.

Angle measurements

MTF has delivered equipment and software for making the Kaiser coil measurements. There have been some indications of early problems, such as cables of inadequate length.

Separators

The work for the shutdown is complete.

M&S Task Numbers, funds

R2LU project, task number structure

The non-R2LU for FY04 have been transferred. The R2LU funds have not. We will try very hard to do that by the end of this week.

New jobs

Split Recycler trim quad

Recycler as a couple of trim quads of Russian construction made from a single lamination. TD has been asked to cut them in half and modify them so that they can be installed around a beam tube without breaking vacuum.

Priorities

We need to start working on the list of projects for FY05 and FY06. The M&S money has been moved from AD to TD in the FY05 budget, but agreement on the projects needs to be reached.

It seems to be possible to run the existing separators at a higher voltage than they have been running. If this holds, then the decision on designing and building new mini-separators may be accelerated from the planned November date and is likely to be to not build new ones. R&D will continue. BTeV will need new separators.

TD plans to rebuild two Hspools, having recently finished two Dspools. The question of whether they should use HTS leads or conventional leads must be resolved. Dave will produce a comparison of the costs.

**Next Meeting: Wednesday, 15 September 2004, 10:30 AM
Hermitage Conference Room (ICB2E)**