June - October Hall-C SANE installation and HKS/HES Preparation

ACTIVITIES

- FPP detector stack removal and standard HMS detector reinstallation.
- Cryo Target disassembly and removal.
- G-0 Magnet move from Hall C to long term storage.
- HES/HKS preparation concrete and magnet assembly.
- Polarized Target installation and commissioning
- SANE beam line and low power dump installation.

FPP detector stack removal and standard HMS detector reinstallation

- Remove the 60 ton HMS shield hut wall
- Disassemble and crane out the FPP detector set
- Reconstruct the standard HMS detector package
    - Reinstall the HMS shield wall

Cryo Target disassembly and removal

- Disassemble and remove beam pipe from pivot to beam dump
- Disconnect the cryo target and move of the pivot
- Disassemble target and move to storage

G-0 Magnet move from Hall C to long term storage

- Disconnect cryo and electrical
- Remove service platform ladder etc.
- Take off both end caps
- Install transportation fixture
- Lift magnet to Hall center and rotate with hydraulic towers
- Roll magnet out of Hall C and transport to storage building

QUANITY 4
LENGTH 12

LOCKWOOD

HES/HKS preparation concrete and magnet assembly

- Assemble 2 HES magnet base frames, hilman rollers and hydraulic system
- Extent concrete pad
- Fiducialize magnets
- Assemble magnets

Polarized Target installation and commissioning

- Place and secure target platform and equipment deck
- Position scattering chamber, pumps, vacuum pipes and electrical equipment
- Install all electronic and control systems
- Assemble and align polarized target

SANE beam line installation

- Move green shield blocks to beam dump and stack walls
- Assemble He beam line unistrut support frame
- Install He beam line and place stainless steel beam dump blocks
- Place and secure lead shielding walls on pivot
- Install tracker
- Position the Cerenkov detector and BIG CAL

LESSON LEARNED

During the placement of a steel shield wall a finger injury was caused by the crane operator touching a moving steel block. Thus crane operators will now stay at a distance from the load and riggers will use hand tools when possible to position the blocks.

S4A

GENERAL LESSONS LEARNED

- ***People not reading or following instructions on signs. e.g. working in the hall without notifying the work coordinator, walking past signs on to the pivot, no hard had etc..***

  More awareness needed !

- ***New equipment not fitting because design was using incorrect models for the pivot and the beam dump. Hall C CAD models need some updating (manpower shortage issue).***

- ***Typical numerous last minute work requests from users. Better communication and planning needed by outside groups and users to the Hall C technical Staff.***

Constructive issues

- ***Excellent support from our EH&S people on the unistrut assembly, platforms and hand rails, user education, crane work, OSP's etc.***
- ***G0 move went well.***
- ***We had good support for the dismantling of the previous experiment, especially the FPP detector assembly.***