



UPDATE ON EXPERIMENTAL HALL STATUS

Walt Akers

Feb 14, 2013

PARITY VIOLATION

SHORT-RANGE CORRELATIONS

FORM FACTORS

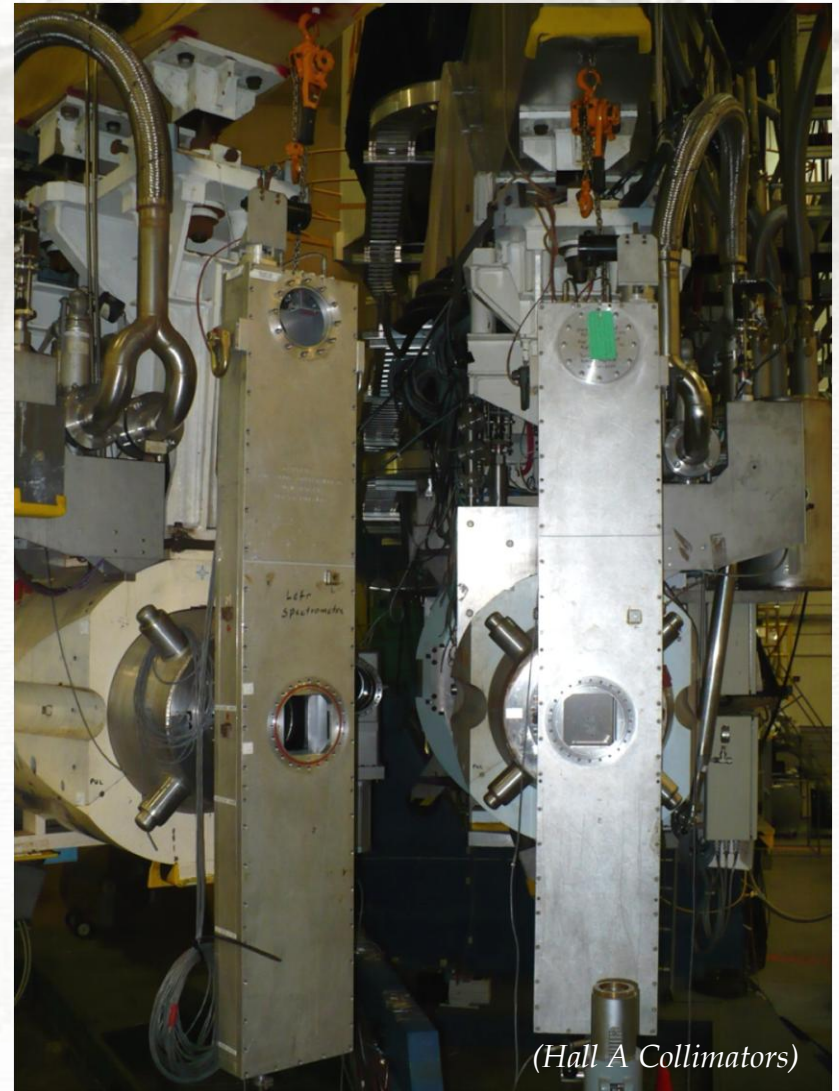
HYPERNUCLEAR

PARTON DISTRIBUTION FUNCTIONS

DEEPLY VIRTUAL COMPTON SCATTERING

EXPERIMENTAL HALL A.

- Moeller Polarimeter work is complete.
- Vacuum checks on beamline are ongoing.
- An ATLAS has been entered for installation of additional beamline components.
- Collimators have been installed. Next step is to confirm alignment.



(Hall A Collimators)

EXPERIMENTAL HALL A.

- Target Chamber is the next component to be installed.



AREAS OF CONCERN.

- **Compton Polarimeter:**

There are some assembly issues related to engineering. Elliot Smith is working on it, but the problem does not threaten schedule.

- **Dipole #3:**

The remapping of Dipole 3 was unplanned and will delay repositioning and alignment of the dipole. Does not significantly impact schedule.

EXPERIMENTAL HALL B.



- All 6 GeV systems have been successfully removed.
- Contracted “Subway” work will begin March 1st.
- Forward carriage contract will go out for bid by the end of this month. Bid packages are in development.

EXPERIMENTAL HALL B.

- HTCC and LTCC cleanrooms have been erected in TED highbay.
- FTOF work continues in Building 92.
- **John Hogan** is now leading the Solenoid magnet project.
- **Bob Legg** is leading the cryostat factory.



(HTCC/LTCC Clean Rooms)

EXPERIMENTAL HALL C.



(Removing SOS Floor)

- SOS Shield Hut has been removed.
- SOS floor is being removed (see photo.)
- SOS support structure will be removed this month.
- SOS rails and rail beds have been removed.

EXPERIMENTAL HALL C.

Super High Momentum Spectrometer

- New SHMS rails have been installed.
- SHMS contractor will soon be grouting in the new rails.
- Cryogenic and gas lines from the B-Can to C-Can have been removed and will be reused for SHMS.

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EXPERIMENTAL HALL D.

- Actively installing lead panels on the interior side of the collimator cave.
- Tagger LCW work will be completed this week and will be followed by a pressure test.
- Survey & Alignment will align the forward calorimeter on February 20th.
- Intermittent solenoid power supply motherboard error is being investigated by Simon Wood.



(Hall D Solenoid with FCAL in Distance)

EXPERIMENTAL HALL D.

- The vacuum leak in coil one of the solenoid has been patched temporarily. A permanent repair will be performed after testing.
- The nitrogen leak in coil four is suspected to be in the chimney, but has not been positively identified. They are compensating for the leak with increased pumping power.



(Temporary Patch of Solenoid Leak)



(Chimney of Coil Four)

EXPERIMENTAL HALL D.

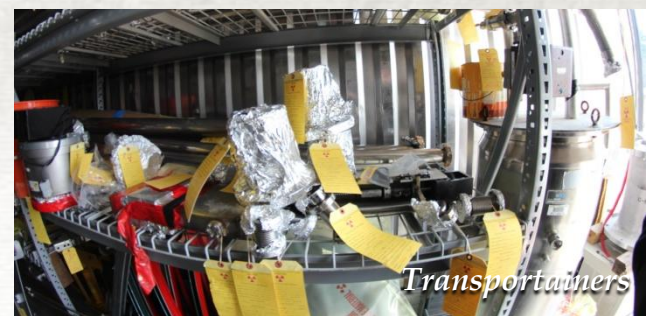
- The light guides for the barrel calorimeter are being installed in the Experimental Staging Building.
- Units are being completed at a rate of 4 per week – as planned.



(Chamber of Coil Four)

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MATERIAL LOGISTICS.



- All storage facilities are stressed and are doing dual duty as work space.
- New material arrives daily and must be stored.
- Where possible, unneeded material is being identified and disposed of.
- Materials that will not be needed immediately are being relocated offsite and cached for future delivery.
- Shipment of some inbound component are being delayed to reduce impact on available space.



Questions?

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