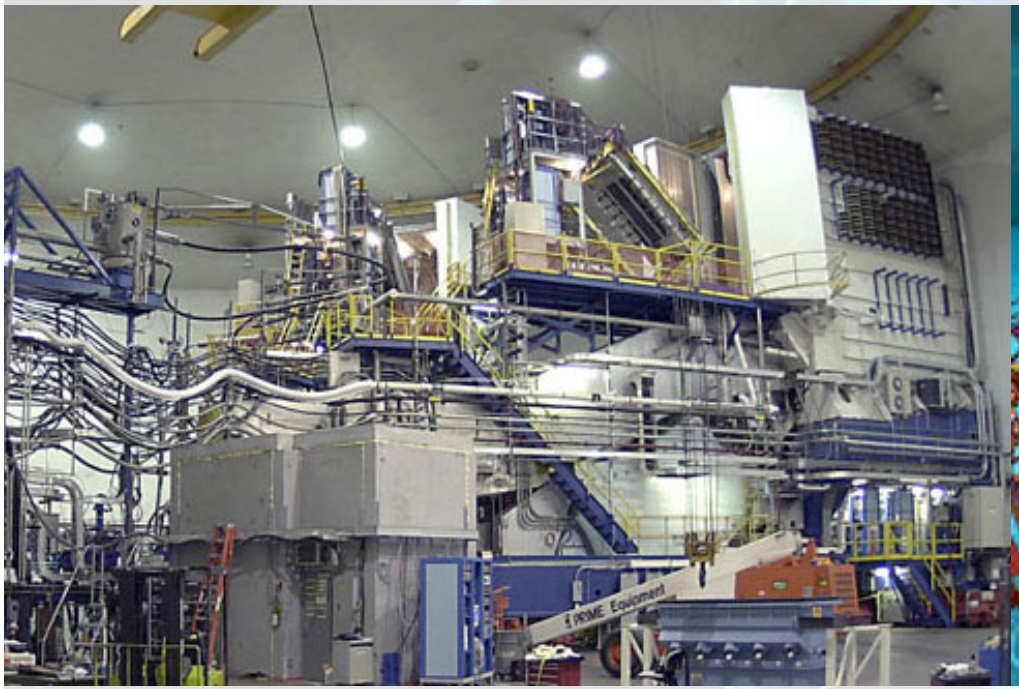
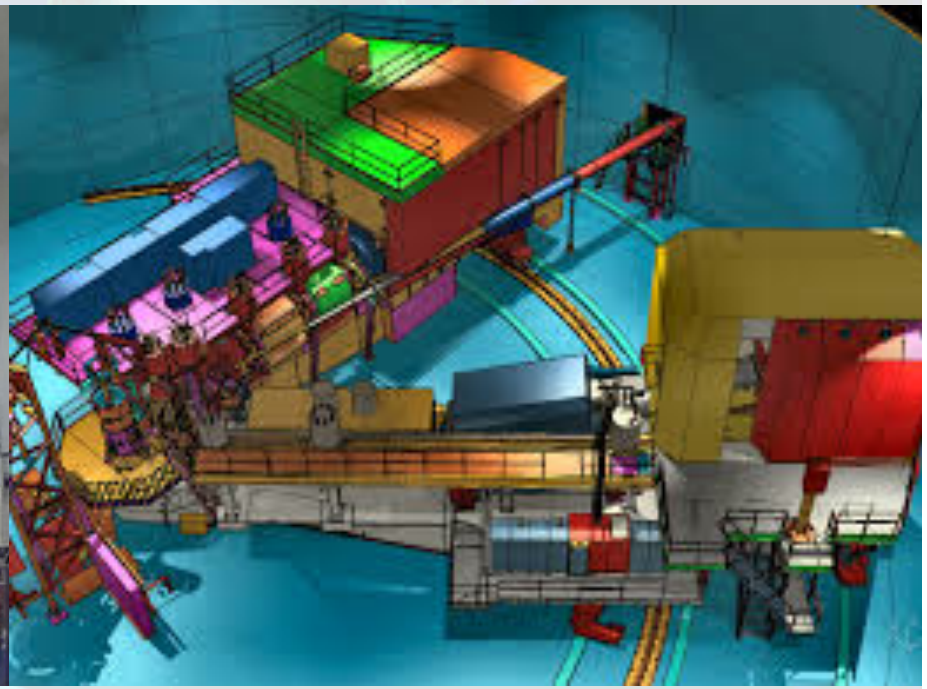
Hall A Update

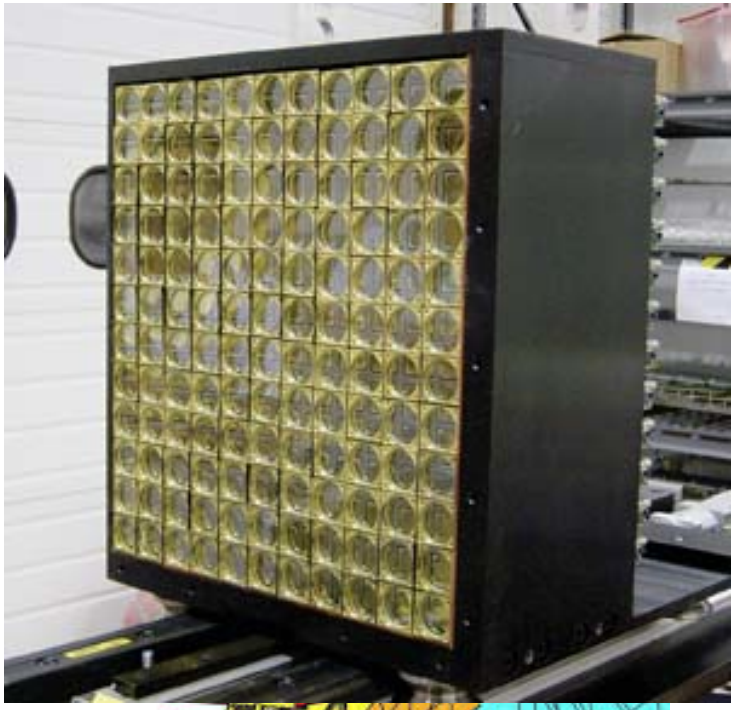
Thia Keppel

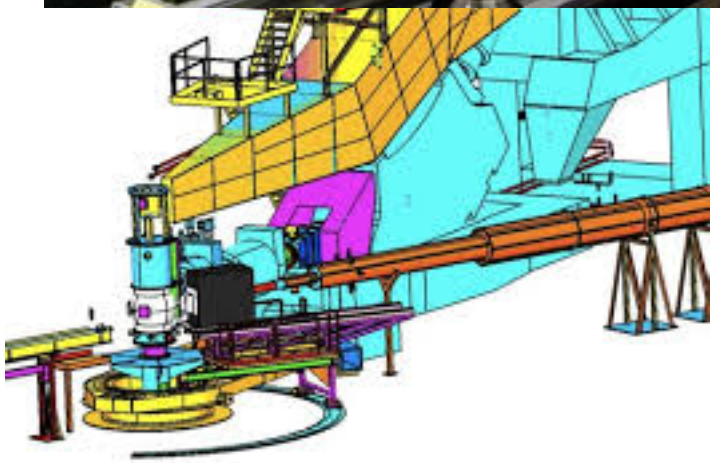




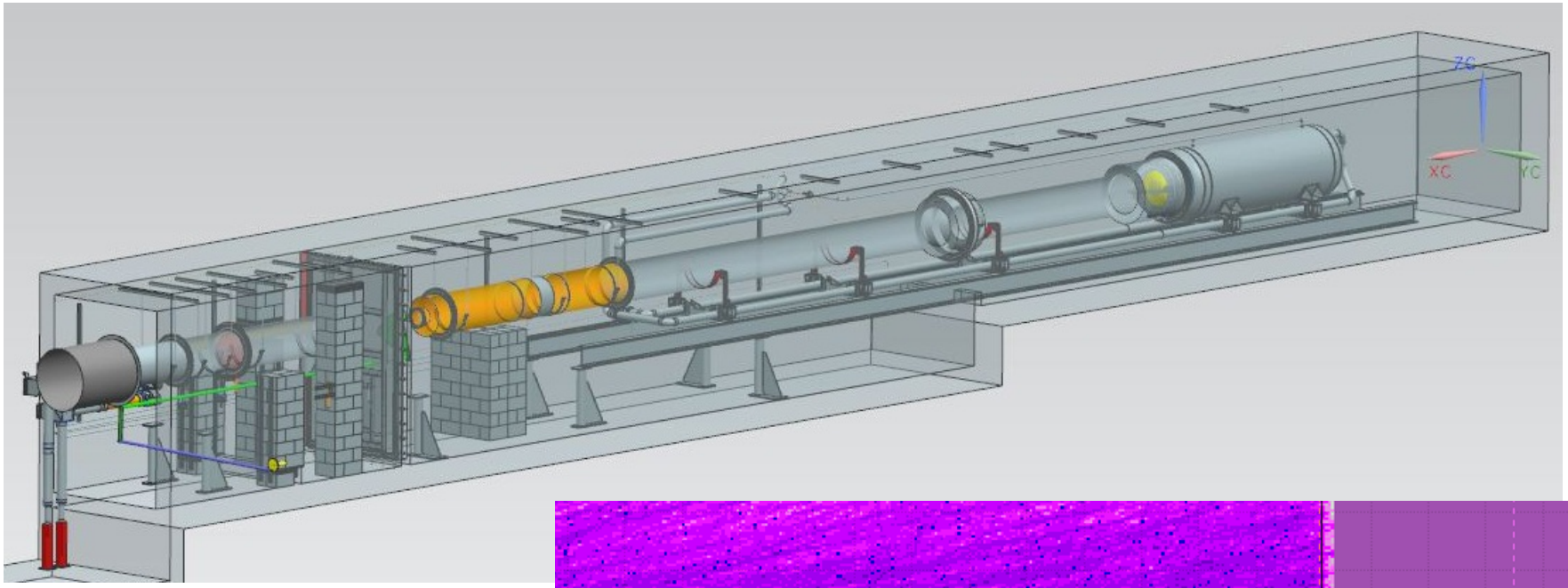
Preparing for Fall 2014 Run (beam any hour now!)

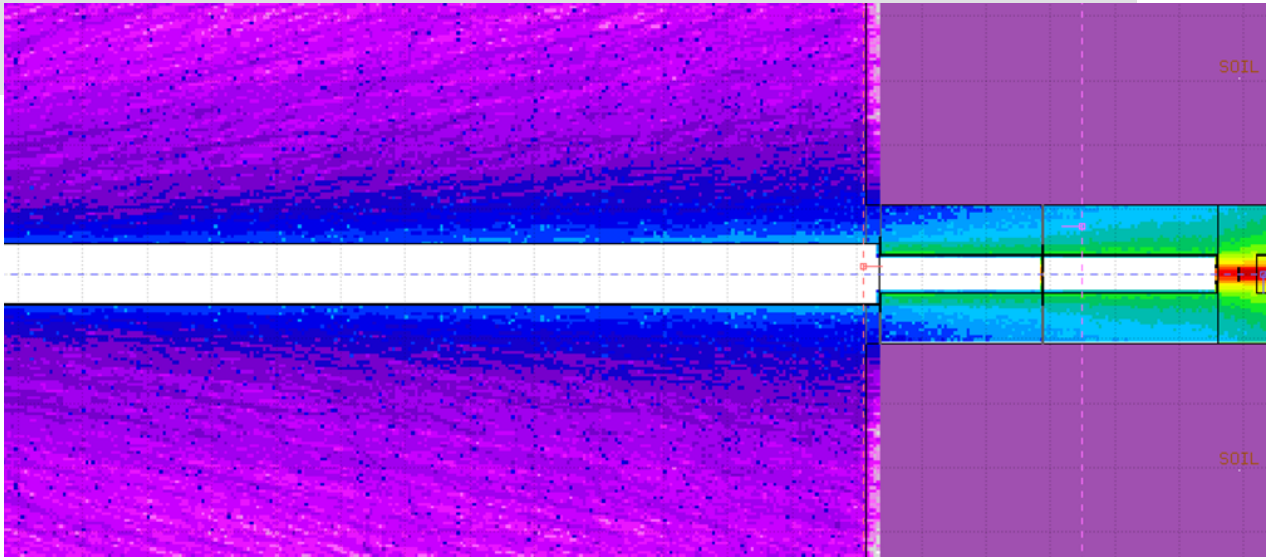
- DVCS / G_M^p Experiments
  - 4 pass beam, ~6 weeks
- Collaborations ready
  - Sign up for shift ☺





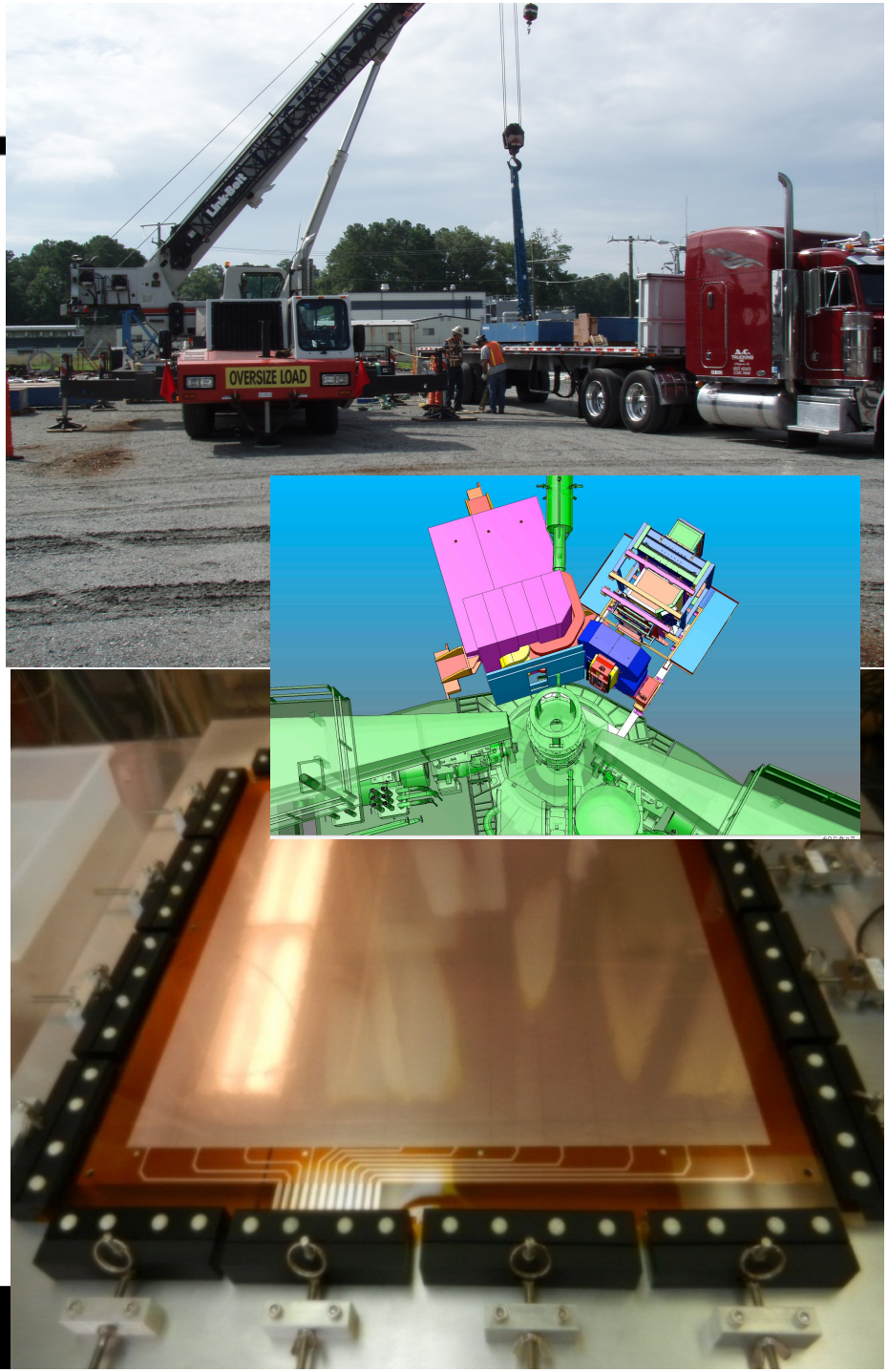
Hall A Beam Dump Upgrade





SBS Construction

- Project started October 2013
  - **Just** passed second annual review
  - Some recommendations, but *overall positive and on track*
- Spectrometer, ECAL work at JLab
  - Power Supply in hall
  - 48D48 magnet modified, assembled, tested
  - Working on support, stand, vacuum, beamline
  - thermal annealing of ECAL
- GEM construction at UVA
- Coordinate detector at Idaho State
- HCAL Hadron calorimeter (CMU)



….other…

- Polarized ^{3}He target improvements and continued development
  - Convection, new lasers, metal windows, …
- ^{3}H target development progressing
  - successful visit from Savannah River expert in May
- PREX/CREX
  - Pb targets, coils purchased,
  - Shielding designs
  - Polarimetry – new superconducting magnet purchased
- New septum magnet purchased by APEX collaboration arrived this week
- Successful MOLLER *science* review September 2014

NOT a comprehensive list

SoLID

- SoLID Experiment submitted draft CDR to Physics Division as first step for late summer (?) Director's Review
- Working with Cornell to move solenoid in 2016
  - Hall A E&D June planning trip to Cornell
- DOE S&T visit 7/17, SBS, MOLLER, SoLID talk from hall
  - Let them know that SoLID was submitting report, anticipating Director's Review

Hall A Projected Experiment Schedule

…available on Hall A wiki

	Spring	Fall	Spring	Fall	Spring	Fall	Spring
2014	DVCS –I/ GMp checkout	DVCS - I/ GMp					
2015			DVCS - I/ GMp	^{3}H/^{3}He -2 (A_1^n)			
2016					(A_1^n) (APEX) (PREX) (CREX)	(PREX) (APEX) (CREX) (DVCS-II)	
2017							APEX (DVCS-II) (SBS)

SBS

MOLLER, **SOLID…?….**

Experiments in parentheses represent potential schedule changes/ options – PAC42 High Impact Experiments including SBS G_E^p!