

Hall D APEL Update

- Hall D Commissioning (Elton Smith)
 - Tagger/Hall on same PSS (Kelly Mahoney, email Nov 1)
 - Substantial effort to SCMB, change req to next ARR
 - Hall D/Tagger enclosure PSS functional ~Jan 2014
 - Todd will review Hall D ops procedures with Mike McCaughan
- RF signals to hall (Tomasz Plawski)
 - 7/8" heliax from MCC to hall (cable cost ~\$4200)
 - Questions about alternate clocking for separator upgrade
- Alex has requested steering angles/pos ranges at radiator
 - Todd evaluating beamline optics
- Schedule:
 - Todd walking beamline weekly to evaluate installation progress
 - Acc-I, II, III commissioning schedules on next slides

Acc-I


- Objectives
 - CW beam to inline dump (injector), tune beam ($<8\mu\text{A}$) to 2R
 - Beam through all C100s, rebuilt 1A/2A arcs
 - Check out hardware, optics tools, model, applications, etc
- Schedule has shifted a bit (cryo delays)
 - 130 keV beam commissioned in injector as of Nov 11
 - Downshift to hot checkout, RF commissioning to Dec 2
- New Acc-I Schedule
 - Operations: Dec 2 to Dec 16, Jan 10 to Feb 7
 - Holiday break: Dec 16 to Jan 10

Acc-II

- Objectives
 - 3-pass spin-up, optics checkout to BSY
 - Hall A checkout
 - 5.5-pass spin-up, optics checkout to Hall D if feasible
- Hall D Transport Review: Jan 16
- Acc-II Accelerator Readiness Review (ARR): Jan 28
- Acc-II Schedule
 - 3-pass, Hall A: Feb 28-Apr 18, SAD-II: Apr 18-24
 - 5.5-pass spin-up, Hall D initial beam: Apr 24-June 7
 - Serious concerns about higher arc box PS delivery schedule
 - Elton et al investigating split PSS of tagger enclosure, hall




Box Supplies and Other Issues

X
Box Power Supply Delivery

 **Box Power Supply Delivery (ID: Milestones.BoxSupplies)**

Box Supply Delivery dates shifted to P6 schedule
Reported on 2013-09-22

The Box Supply delivery milestones have been shifted to match the 12GeV Project P6 milestones. Present estimate is that the supplies will be delivered by these dates, but completion ahead of these dates is unlikely. Box supply delivery may impact CEBAF capability during the Spring 2014 run.

1.9	 Box Power Supply Delivery	2013-05-21	2014-05-30
1.9.3	 Arc7-10, RSEP8, XSEP10 BoxPS Delivered/Accepted	2014-04-30	2014-04-30
1.9.4	 LAM3, XSEP8, RSEP9 BoxPS Delivered/Accepted	2014-05-30	2014-05-30

- FY14 budget may not support 20 weeks of FY14 ops
- There is some possibility that first Hall D beam gets moved to Acc-III (Fall 2014)
- **Even in the most optimistic scenario (Freyberger)**
 - ~1 uA tune mode beam to Hall D tagger dump in spring
 - Transport line hardware, optics checkout

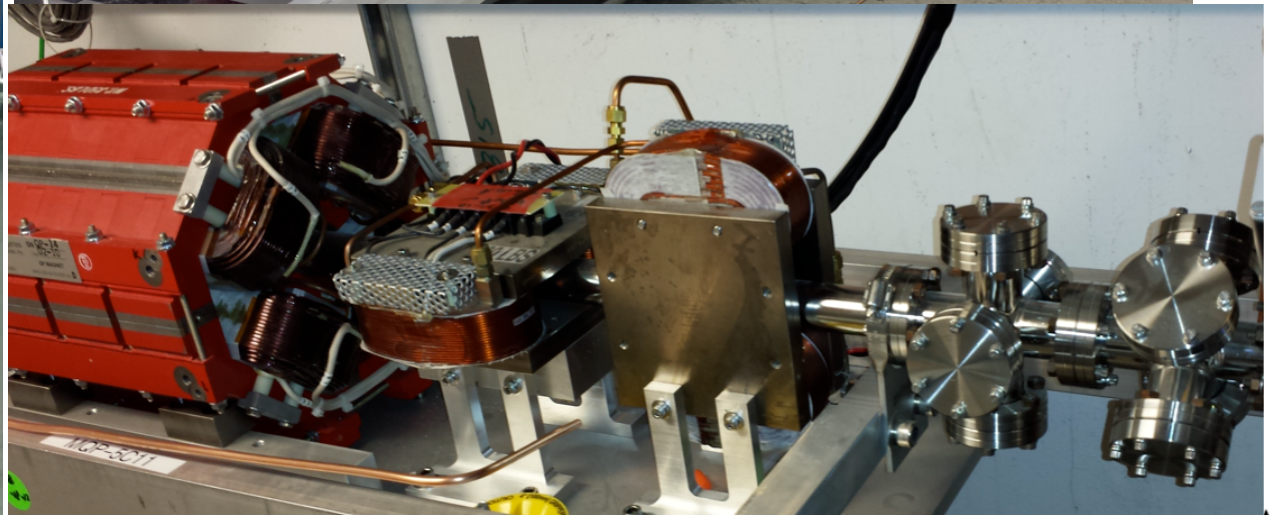
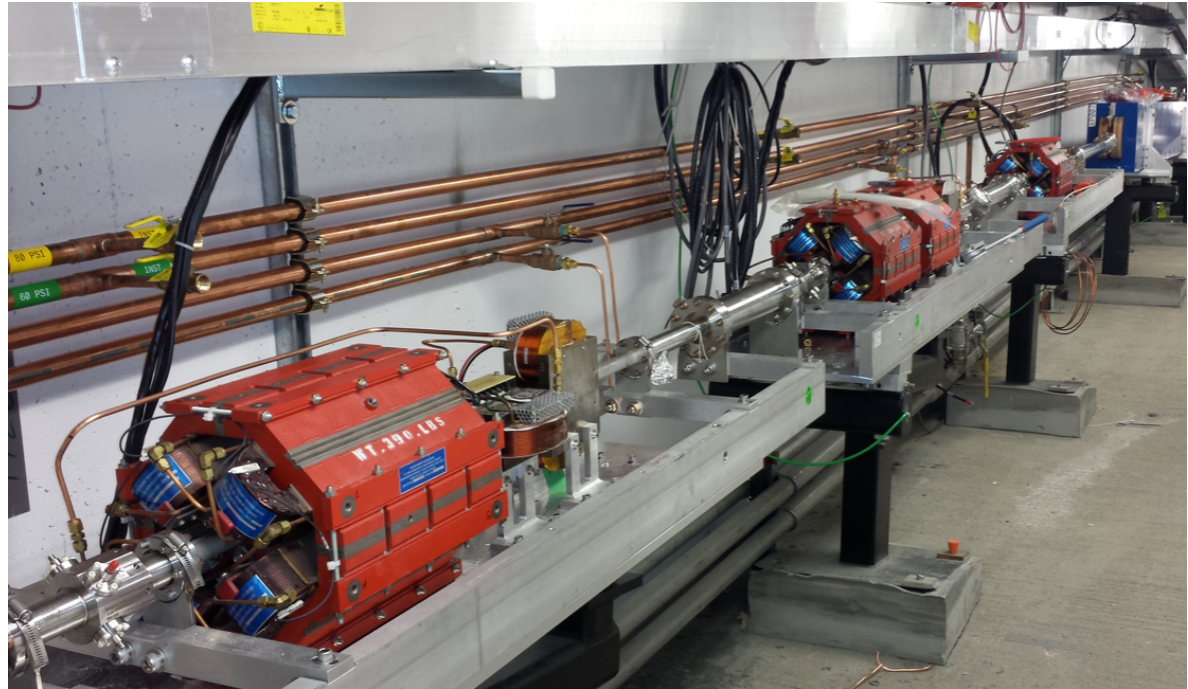
Acc-III

- Objectives
 - Full energy checkout with two halls, initial operations
 - Initial Hall D radiator, detector checkout
- Acc-III Accelerator Readiness Review (ARR): March 1 (?)
- Acc-III Schedule
 - Sep 22-Dec 19 2014
 - Hall D beam: Nov 3-Dec 5
 - May include deferred Acc-II activities
 - Hall and tagger enclosure presumably secured

Beamline Installation

- All magnets in place
 - LCW, electrical hookups in progress
- Vacuum pipe installed
 - Through CEBAF NL, after first vertical bends to shield wall upstream of radiator
- Instrumentation in place
 - SEE BPMs on beamline but not cabled yet
 - nA BPM hardware on schedule for Acc-III
- Overall beamline installation on schedule
 - Not driving schedule compared to, e.g., box supply delivery

Hall D Beamline Photos



Tagger Magnet Mapping

