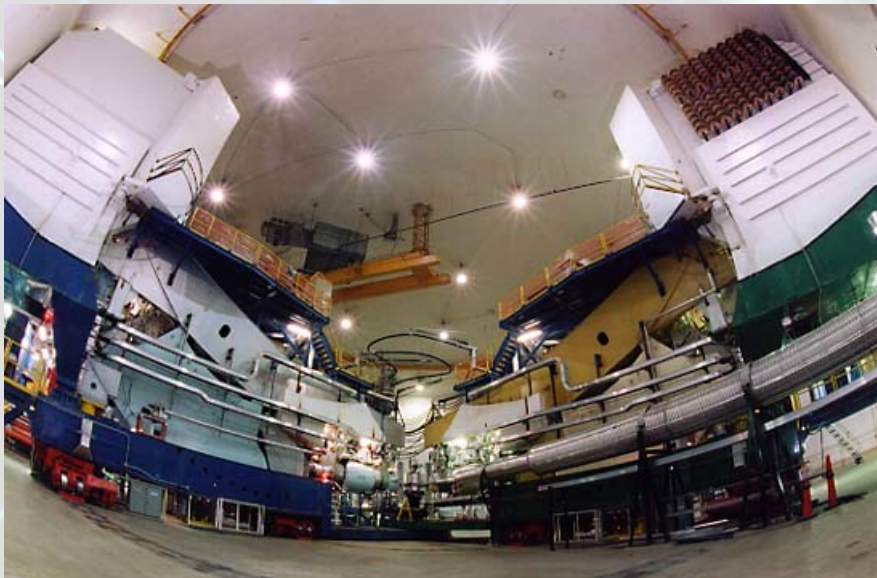
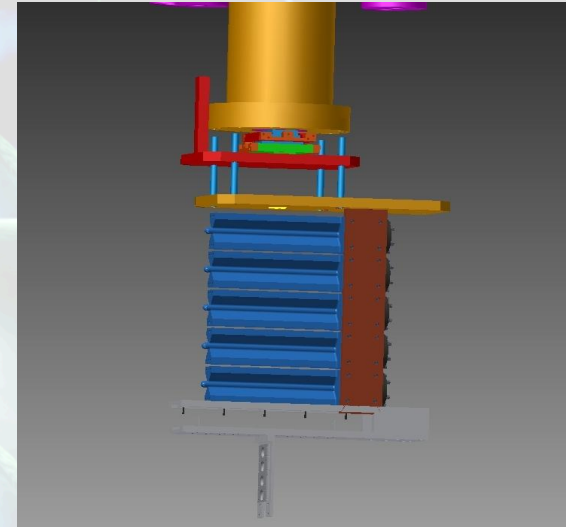




Run Group Planning

Thia Keppel





Experiments

	production running (PAC days)	setup/ checkout/ configuration change (PAC days)	notes	total PAC days
MARATHON (E12-10-103)	36.5	3.6 1.4 0.5	positron running polarity changes angle changes	42 
SRC (E12-11-112)	17	0.5 1.5	configuration changes calibration	19 
(e,e'p) (E12-14-011)	11	1	calibration	12
Elastic (E12-14-009)				1.5
TOTAL				74.5

high impact



Scheduling

- Current Hall plan differs from what is currently on the formal schedule
 - Tritium running pushed back one run period (Fall 2016 to Spring 2017 start)
 - The BigBite spectrometer will *not* be utilized
 - DVCS/GMp to continue in Fall 2016, also use HRSs (see Jessie's talk) and will do/have been doing optics studies of "new" quads
- Assuming this, look at available days....



Scheduling

- 181/167 days scheduled/expected
 - ~2/20 – 6/4 104 days other than E, configuration changes
 - Will likely lose 2 weeks here (new schedule based on FY17 budget) 90 days
 - Fall 2018 *likely* 11.5 weeks (10/1 start – 12/22, minus Thanksgiving) 77 days
- 75 PAC days approved x 2 = 150 days
- Lower energy experiments could perhaps run late Spring/Summer
 - E12-14-009 (3H elastic) currently scheduled for 6/1-4/2017, 3 days
- Common checkout?
 - 4-5 days at start
 - Include optics for HRS-L
- Looks do-able, need to schedule 150 days + some extra optics checkout into 167 days calendar



Experiment Considerations

- MARATHON
 - Not running BigBite a major help
 - Has agreed not to run non-standard energies, minimize R measurement to use time for n/p focus data (see John's talk)
 - Needs both HRSs for electron detection, not in coincidence
 - Would like to reduce systematics by running ^3H , ^3He matched kinematics as close in time as possible
 - Largely 11 GeV
- SRC
 - Needs both HRSs for electron detection, not in coincidence
 - 2.2 and 4.4 GeV
- (e,e'p)
 - HRS-L and HRS-R in coincidence
 - Need to change spectrometer polarity (< 0.5 shift)
 - 4.4 GeV
- Elastic
 - HRS-L only
 - 1.1 GeV

*Highly
compatible
group of
experiments*



Scheduling Plan

- SPRING PERIOD (~1/27/17 – 5/3/17) **90 days**
 - Common checkout **6 days**
 - MARATHON **84 days**
- Low E Spring Extension (5/3/17 – 5/8/17) **4 days**
 - Elastic experiment
- FALL PERIOD **77 days**
 - SRC **38 days**
 - Configuration change (trigger, polarity) and checkout **1 day**
 - (e,e'p) **24 days**
 - *Elastic 3 days (if not already run, above)*
 - Total **65 days (< 77!)**

*By this point, both
“high impact”
experiments will
be complete*



Notes on Scheduling Plan

- Plan has 12 day “float” in Fall 2017 run period
 - Could be used for any of the above experiments if necessary
 - Hall B will be coming online as well as C,D running, accelerator efficiency might be impacted and float needed
 - Preference is to finish early and begin de-installation as soon as possible, need time for (complicated) next experiment installation
 - Could possibly??? build in more float/installation time running the other ^3H experiments in the Spring as all other than MARATHON are 4.4 GeV and below



Summary

- Suite of highly compatible experiments, base HRS equipment + ^3H target
- All equipment other than the target will be installed, utilized, and largely checked out before this run
- Schedule has some float to minimize risk
 - High impact program comfortable



Questions?