

# Run Planning Fall 2015

# Planning Started

- Eugene Chudakov, Alexandre Deur, Elton Smith, Matt Shepherd and Curtis Meyer met on September 22 to start discussions.
- A meeting with Accelerator happened during the following week to understand the their plans.
- A second meeting including Alex Barnes, Alexander Somov and David Lawrence took place on October 2.
- [https://halldweb.jlab.org/wiki/index.php/Run\\_Coordination\\_Meetings:\\_Fall\\_2015\\_Run](https://halldweb.jlab.org/wiki/index.php/Run_Coordination_Meetings:_Fall_2015_Run)

# Fall 2015 Run

- The run will be five weeks long.
- There is unlikely to be any beam to the Hall-D complex until early December.
- There is little or no chance of physics this fall.
- Accelerator has priority to establish 12-GeV Running.

# Possible Scenarios

- **Miracle scenario:** everything is proceeding without any hitch. Then the beam could be ready before Thanksgiving.
- **Realistic good scenario:** everything is proceeding as expected. Beam comes around Thanksgiving. We have the 10 first days busy with FFB commissioning. The remaining few days of swing and night shifts will be for Hall D commissioning
- **Realistic bad scenario:** the 12 GeV goal is reached near mid-December. There will be no beam in the tagger or in Hall D. FFB commissioning is postponed to Spring 16.
- **Really bad scenario:** the 12 GeV goal cannot be reached. Accelerator would switch to Hall operation at lower energy. Depending on when accelerator decides that 12 GeV cannot be reached for Fall, we may get beam availability before Thanksgiving.

# Shift Schedule 11/30 until 12/13



## Shift schedule from Oct 7, 2015 to Dec 31, 2015

Date	Leader Owl (00:00-08:00)	Worker Duck Hunter (04:00-12:00)	Leader Day (08:00-16:00)	Worker Country Club (12:00-20:00)	Leader Evening (16:00-24:00)	Worker Night Club (20:00-04:00)	Accelerator Schedule / Hall D Program
30-Nov-2015 Monday	<a href="#">IU</a>	<a href="#">UCONN</a>	<a href="#">NSU</a>	<a href="#">NCATS</a>	<a href="#">UNCW</a>	<a href="#">FIU</a>	<b>Standby</b>
1-Dec-2015 Tuesday	<a href="#">IU</a>	<a href="#">UCONN</a>	<a href="#">NSU</a>	<a href="#">NCATS</a>	<a href="#">UNCW</a>	<a href="#">FIU</a>	<b>Standby</b>
2-Dec-2015 Wednesday	<a href="#">IU</a>	<a href="#">UCONN</a>	<a href="#">NSU</a>	<a href="#">NCATS</a>	<a href="#">UNCW</a>	<a href="#">FIU</a>	<b>Standby</b>
3-Dec-2015 Thursday	<a href="#">IU</a>	<a href="#">UCONN</a>	<a href="#">NSU</a>	<a href="#">NCATS</a>	<a href="#">UNCW</a>	<a href="#">FIU</a>	<b>Standby</b>
4-Dec-2015 Friday	<a href="#">FIU</a>	<a href="#">JLAB</a>	<a href="#">UMASSA</a>	<a href="#">JLAB</a>	<a href="#">NWU</a>	<a href="#">MIT</a>	<b>Standby</b>
5-Dec-2015 Saturday	<a href="#">FIU</a>	<a href="#">JLAB</a>	<a href="#">UMASSA</a>	<a href="#">JLAB</a>	<a href="#">NWU</a>	<a href="#">MIT</a>	<b>Standby</b>
6-Dec-2015 Sunday	<a href="#">FIU</a>	<a href="#">JLAB</a>	<a href="#">UMASSA</a>	<a href="#">JLAB</a>	<a href="#">NWU</a>	<a href="#">MIT</a>	<b>Standby</b>
7-Dec-2015 Monday	<a href="#">FIU</a>	<a href="#">JLAB</a>	<a href="#">UMASSA</a>	<a href="#">JLAB</a>	<a href="#">NWU</a>	<a href="#">MIT</a>	<b>Standby</b>
8-Dec-2015 Tuesday	<a href="#">REGINA</a>	<a href="#">ASU</a>	<a href="#">CMU</a>	<a href="#">IU</a>	<a href="#">UCONN</a>	<a href="#">UNCW</a>	<b>Standby</b>
9-Dec-2015 Wednesday	<a href="#">REGINA</a>	<a href="#">ASU</a>	<a href="#">CMU</a>	<a href="#">IU</a>	<a href="#">UCONN</a>	<a href="#">UNCW</a>	<b>Standby</b>
10-Dec-2015	<a href="#">REGINA</a>	<a href="#">ASU</a>	<a href="#">CMU</a>	<a href="#">IU</a>	<a href="#">UCONN</a>	<a href="#">UNCW</a>	<b>Standby</b>

# Operating Conditions During Fall 2015

- Commissioning fast feedback using the active collimator is expected for GlueX.
- No magnetic field in the detector. Solenoid modifications may be on going.
- We are not planning to install the cryo target.
- Drift chambers may be turned off.

# Run Plans (So Far)

- FFB commissioning: The test will start at  $1\mu\text{A}$ , and possibly  $3\mu\text{A}$ . No Radiator. Will start in the evening, then run a few hours. Beam could be available in Hall-D after this.
- Beamline FOPT studies.
- Tagger detector commissioning (parasitic to FFB work).
- Trigger tests. Testplan in GlueX-doc 2019.
- DAQ Work to optimize DAQ performance and find DAQ rate bottlenecks: data rate, trigger rate, live time.
- Transition radiation studies.

# Spring 2016 Run

- An eleven week long run is expected in early 2016.
- We could have beam in Hall D in mid February 2016