

Ref:

Date: 25 February 2015

MEMORANDUM

From : E. Chudakov
To : P. Rossi
Subject : Request to permit beam operations in Hall D in Spring 2015
Copies : J. Gomez, E. Smith

Dear Patrizia,

I am asking for permission for beam operations in Hall D accordingly to the accelerator schedule for Feb-May 2015.

We have the required set of documents: COO, ESAD, RSAD and ERG, available at https://halldweb.jlab.org/hdops/wiki/index.php/Main_Page, in order to run the experiment efficiently and safely. The COO and RSAD have been updated since the previous run, while no update for the ESAD and ERG is needed. The only change in COO is in the name of the PDL.

The required personnel has been assigned:

- Run coordinator for the first half (4 weeks): Alexandre Deur.
- Run coordinator for the second half (5 weeks): David Lawrence.
- Run coordinator - backup: Mark Ito.
- Physics Division Liaison: Beni Zihlmann.

The purpose of the run is to continue the commissioning of the Hall D setup. The run plan is available at: https://halldweb.jlab.org/hdops/wiki/index.php/Spring_2015_Commissioning_Plan. The plan includes:

- Commissioning of the liquid Hydrogen target. The target will be operated by the Target group. The user's operating manual is linked to the Run Wiki page.
- Commissioning of a diamond radiator. Several samples of diamond radiators will be installed in the goniometer. The goal is to demonstrate the ability to align a crystal and produce a coherent peak.
- Improving the DAQ performance in order to run at a 10 kHz rate (DAQ mode 7 - compressed) with a deadtime below 30%.
- Taking data for detector calibration and alignment. A large part of the data will be taken with a current of 1300A in the solenoid.