

# Spokesman's update

# Contents:

- Update
- Step IV
  - Preparations for data taking
    - MICE run 08Mar15
  - Weekend running 21Mar15 to end Apr15
- Papers
- Preparation for April 2015 RLSR/MPB reviews

Spokesman's update

**UPDATE:**

# Update:

- **MICE Hall:**
  - **First set of PRY legs:**
    - Installed on north side;
    - Shims measured, machined and installed;
    - Final alignment survey in progress/done;
    - Will be removed to allow them to be installed on the south side this week
  - **Rack Room 2:**
    - Cabling and other preparation work well underway
- **PRY plates:**
  - **Fit-check of north-side plates completed successfully at Keller Tool:**
    - Assembly went very smoothly!
- **Grounding:**
  - Progress in understanding tracker grounding issues
  - Plans to install more robust experimental ground now in hand



Spokesman's update

**STEP IV:**

# Preparation for for data taking:

- **Shifts:**
  - Shift sign-up for 08Mar15 run: complete
  - Shift sign-up for w/e running 21Mar15 to May15:
    - Good, but not complete, take up:
      - Please volunteer!
- **05Mar15: second mock data run:**
  - Underway; focused on ensuring that running on 08Mar15 will be successful
- **08Mar15: 16 hours (two shifts) in ISIS run-up:**
  - Goal:
    - Establish conditions such that TOF calibration can begin in the first weekend run (21/22Mar15);
  - Status of planning from P. Hanlet
- **Weekend running from 21Mar15:**
  - Status of planning from P. Hanlet

Spokesman's update

**PAPERS**

# Papers:

Table 2: Physics and technical papers being prepared by the collaboration.

Title	Lead authors
<b>Step I physics</b>	
Electron Muon Ranger: performance in the MICE Muon Beam <b>Presentations to follow</b>	A. Blondel, F. Drielsma, R. Asfandiyarov
Measurement of the pion contamination in the MICE Muon Beam	D. Orestano, D. Nugent, P. Soler
<b>Step IV physics</b>	
Commissioning of the MICE experiment in the Step IV configuration <b>As last time: work organised; focus on getting experiment off the ground</b>	C. Rogers
<b>Ionization cooling demonstration</b>	
Design and expected performance of the MICE demonstration of ionization cooling <b>JBL editor; revision expected 08Mar15</b>	V. Blackmore, J. Pasternak, C. Rogers
<b>Technical</b>	
The MICE target upgrade <b>Draft being assembled.</b>	C. Booth
The design construction of the MICE Electron Muon Ranger <b>Draft being assembled.</b>	R. Asfandiyarov, A. Blondel, F. Drielsma
The Reconstruction Software for the MICE Scintillating Fibre Trackers <b>Issue in track-fit being debugged</b>	S. Dobbs <b>Draft being assembled.</b>
The MICE Analysis and User Software framework	D. Ragaram

**Need to push on the papers; particularly those marked in red!**



Spokesman's update

# **PREPARATION FOR APRIL RLSR/MPB REVIEWS**

# April 2015 RLSR/MPB reviews

- RLSR/MPB followed by FAC:
  - 16Apr15 and 17Apr15
- Documentation required by 02Apr15
  - Skeleton documents will be prepared shortly;
  - Have scheduled a session in the week of 23Mar15 at FNAL to address interface issues in the cooling demonstration configuration
- This is our opportunity to present the:
  - The status of Step IV:
    - Construction, commissioning and operations;
  - The status of the cooling demonstration:
    - Completion of design/specification of interfaces;
    - Performance estimate
- ... and ... raise issues of concern:
- So, an opportunity ... we need to make a good job of the paperwork!