



Project Managers Update

Video Conference 165

Roy Preece
20th March 2014

Progress and Work

- **Magnetic Mitigation**
 - Update from Jason
 - TOF 1 will not be inside the TOF Cage, it will now be a stand alone detector
 - Design for the stand and shielding
 - Placement, to gain maximum data
 - Who pays for what
- **Focus Coil**
 - Update from Steve
- **Spectrometer Solenoids**
 - Update from Melissa



Progress and Work

- RF
 - The final testing has been carried out
 - All racks are in the process of being packed and shipped back to DL
 - Single cavity test setup at Fermi Lab is progressing well
 - Getting the equipment into the MTA is becoming a race with other users
 - Kevin, Tim and colleagues will attend testing in the MTA
- Vacuum
 - Manifold system will be installed with full automatic control.
 - The majority of the equipment required is on order and will be on site, DL or RAL, by the end March
 - Mark will be installing a mock-up of the manifold system to iron out any issues
 - The goal is to have the system complete and operational for September
 - Control philosophy required – section leaders will be contacted by the vacuum group



Progress and Work

- **Electrical**

- Decay Solenoid power supply installation schedule is slipping
 - Problem with the DS compressor is driving the installation of the new power supply
 - Leak around the bearing on the low pressure side
 - Engineer onsite this week
- Rack Room 2 is now back on track after some interaction with the RAL fire officer
 - Distances between rack
 - Fire detection system
 - These issues have been resolved and installation continues

- **Coupling Coil Magnet**

- Testing is continuing with the maximum current attained of 178.1A.
- The Helium is delivered from a fridge so the turn around time is fast
- No need for deliveries of LHe

- **Coupling Coil Cryostate**

- The cryostat body was back at LBNL after the Collaboration Meeting
- Final machining and welding being carried out before shipment to Fermi Lab
- Completion of welding at LBNL July / Aug



Progress and Work

	Baseline Date May 13	Oct 13	Feb 14	Mar 14
Step IV Top Level Milestones				
SS#2 Mechanically installed in MICE Hall	02/12/13	02/12/13	24/04/14	24/04/14
AFC installed in R9 ready for field mapping	10/12/13	10/12/13	23/05/14	23/05/14
Downstream Solenoid arrives at RAL	03/01/14	08/05/14	08/05/14	08/05/14
SS#1 Mechanically installed in MICE Hall	13/01/14	13/01/14	01/10/14	01/10/14
AFC#1 ready for installation in MICE Hall	16/01/14	16/01/14	18/07/14	18/07/14
West Mezz build Complete - milestone	04/02/14	04/02/14	25/03/14	19/03/14
South side yoke material delivered	15/04/14	15/04/14	15/07/14	15/07/14
Rack Room 2 BPG work Complete	23/04/14	23/04/14	24/06/14	24/06/14
South side return yoke installation complete	04/06/14	04/06/14	03/09/14	03/09/14
Compressor services Complete	30/06/14	30/06/14	30/06/14	30/06/14
North side yoke material delivered	15/07/14	15/07/14	15/07/14	15/07/14
Compressors ready for Cooling channels tests	04/09/14	04/09/14	13/10/14	13/10/14
Rack Room Complete	12/09/14	12/09/14	13/11/14	13/11/14
North side return yoke installation complete	17/10/14	17/10/14	05/11/14	05/11/14
Combined magnet operational tests complete	30/01/15	30/01/15	18/02/15	18/02/15
MICE step IV installation complete	30/01/15	30/01/15	25/02/15	25/02/15
Step V Top Level Milestones				
LH2 absorber #2 at RAL (KEK)	28/09/12	28/09/15	28/09/15	28/09/15
AFC#2 ready for installation in MICE Hall	28/10/13	28/10/13	29/10/14	29/10/14
Amplifier#2 installation complete	26/08/14	26/08/14	26/08/15	26/08/15
Cavity & RFCC module #1 delivered to RAL	03/01/17	06/03/18	06/03/18	06/03/18
MICE step V installation complete	26/06/17	28/08/18	28/08/18	28/08/18
Step VI Top Level Milestones				
Amplifier system #3 Delivered	26/11/15	26/11/15	26/11/16	26/11/16
Amplifier system #4 Delivered	28/11/17	28/11/17	28/11/17	28/11/17
FC module #3 at RAL	02/04/18	02/04/18	02/04/18	02/04/18
Cavity & RFCC module #2 delivered to RAL	26/07/18	06/09/19	06/09/19	06/09/19
AFC#3 ready for installation in MICE Hall	19/07/18	19/07/18	19/07/18	19/07/18
Amplifier#3 installation complete	10/12/15	10/12/15	10/12/16	10/12/16
Amplifier#4 installation complete	08/12/17	08/12/17	08/12/17	08/12/17
MICE step VI installation complete	03/04/19	14/05/20	14/05/20	14/05/20

- With the current state of the construction project the projected completion date for STEP IV installation is late February 2015.

Some snagging but basically complete

Green fill colour
Signifies no change



Progress and Work

- With the current state of the construction project the projected completion date for STEP IV installation is February 2015.
- Field off run before the end of ISIS user beam is highly unlikely.
 - This is unfortunate but we must focus on the construction project
- In the coming months we have –
 - UK Oversight meeting – 24th April
 - Resource Loaded Schedule Review - 29th April
 - MICE Project Board – 30th April
 - Funding Agency Committee – 1st May

 - Recommendation from each panel need addressing – lead authors have been identified
 - Updates for the paper will be required – Paul will be contacting you for the OsC paper
 - Ken will be contacting many of you for the RLSR and MPB papers

