MICE Experiment Management Office

11th July 2017; 15:30 BST

Present: KL, CR, EO, ABr, SB, DR, CW,

Notes

1. Introduction: KL

To include list of topics noted at CM48.

The list of tasks identified at CM48 was discussed and is summarised in the following table.

Items from CM48			
Id	*Item*	*Status: 11Jul17*	*Assigned to*
1	Understanding of B field; offset vs simulation		J. Langlands, C. Hunt
2	Mmtm scale, effect of non-uniformity of field in tracjer volume		J. Langlands, C. Hunt
3	Treatment of systematic errors (e.g. B field) in emittance-evolution paper		J. Langlands, C. Hunt
4	Definition of fiducial volume (definition of appertures)		C. Rogers, C. Hunt
5	Standard event selection routine	Code in test server	M. Federov, C. Hunt
6	Alignment (e.g. of EMR) in MC; effect on GLOBAL		M. Uchida
7	System performance paper (SW)		S. Wylbur
8	Beam line simulation (recontact Mokhov?) Perhaps look at target geometry?	PF study to complete	P. Franchini
9	TOF reconstruction in the MC (not like the data)	Fix calibration. Then seek additional issues in digitsation.	D. Rajaram, S. Wylbur
10	Volume transformation upstream/downstream	"simple cooling demo"; presently unassigned.	
11	Speed of GLOBALS -- issue	Two possible ways to address: can not be used in the control room. Geometry look-up.	M. Uchida
12	Spares for DAQ	Perhaps OK. Check EMRs spares. Perhaps repair faulty board that was taken out.	E. Overton/successor
13	Buy more space on MICE RAID array	Not necessary.	
14	Configuration control at the start of the run	Perhaps set-up as check list.	S. Boyd

2. Minutes and actions: All

Minutes of previous meetings will be circulated for comment asap. There are presently no outstanding actions.

3. Status of LH2 system: CW

Leak checking of the absorber system with the FC offline is complete and the system is leak tight. Connectors have been extended to FC in offline position allowing all instrumentation to be checked out; all is OK. Now ready to move FC back online tomorrow.

Seek to start cooldown on Thursday 13Jul17. Need to upgrade the quench line. Safety documentation is being prepared; presently looking good for next neon condensation to begin next week.

There will follow, one week of neon testing, then operation will need to stop for changes to be made to the vacuum line to be ready for final approval for H2 running. Preliminary safety tour will take place next week.

ABr reminded us of the decision reached at CM48 that a deadline for LH2 readiness should be set in advance of 2017/02 to ensure that data is taken. After a bit of discussion, we agreed that a date for a decision point will be proposed to the MIPO by KL/CW.

Action: CW/KL propose to next MIPO date for LH2/LiH decision point in advance of Cycle 2017/02.

4. **Preparing a run plan for 2017/02**
   An initial discussion of the possibility of operation in Cycle 2017/03 in a regular MICE/STFC management meeting had resulted in the formal statement from STFC that any such activity must be cost-neutral to STFC. CW is evaluating the cost and the issue will be raised at the next EB.
   In the light of the discussion, it is clear that we need to plan to take data with M2 on during Cycle 2017/02. CW is organising a meeting to reassess the technical risk of operating M2 in the light of experience gained to date.
   In order for an informed decision to be made on when to energise M2, channel settings must be agreed. Most likely, M2 will be energised half-way through Cycle 2017/02. CR and the optics team have initiated the study of the channel optics with M2 energised.

5. **Plan for cover for DAQ and tracker: DR and EO**
   DR/EO have prepared an initial plan and posted it on the wiki. The next step is to make sure that people are available at the relevant points.

6. **Paper status and analysis status:**
   See notes posted on the wiki.

7. **S/w and computing: DR**
   See notes posted on the wiki.

8. **Operations: SB**
   Little to say at this moment, need to decide when to initiate the shift sign up.

9. **DONM**
   - 25Jul17

10. **AoB**
    None.

Summary of actions:

- **CW/KL:** propose to next MIPO date for LH2/LiH decision point in advance of Cycle 2017/02.