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## MICE Experiment Management Office

11<sup>th</sup> August 2015; 15:00 BST

**Present:** V. Blackmore, S. Boyd, P.M. Hanlet, K. Long, C. Rogers, C. Whyte

**Apologies:** D. Adams, A. Bross, A. Nichols, R. Preece, D. Rajaram

### Notes

#### 1. Introduction: KL

- Principal issue is the operations in 2015/02 and beyond.

#### 2. Minutes and actions: All

- **KL:** to push through meeting with SS; we need: PMCl, SS, CW, RP, KL, KR.
  - **Stands:** now on second round of re-polling for the meeting. Issue is to get all the necessary people there. KL to continue to push.
- **SB, CR:** Review the Step IV run plan in the light of the measured data-taking rate and present magnet-training status.
  - **Agenda item.** Have had one meeting and need to discuss. SB/CR will discuss again tomorrow.
- **SB/DR:** ensure that magnet currents are written into the CDB.
  - **Clarification:** Set currents are in the CDB but the read-back currents are not. There is a piece of run control that needs to be completed to get the read-back and write-to the CDB done.
- **SB** will seek to substitute Overton with another (experienced) MOM.
  - **Done.**
- **CW:** will make plan re exchange of top hat and completion of tracker h/w.
  - **In progress.** There is a window in the training of the SSs. It may not be possible due to availability of equipment or people.
  - CW is following with tracker people to see how bad it might be.

#### 3. S/w&C (and MAUS): DR

- Memory leaks
  - Postponed to next time.
- ConfigDB
  - Geometry
    - 1. Postponed to next time.
  - Calibration constants
    - 1. Postponed to next time.
- Processing
  - Done; probably. Being used by Hunt and Rogers for alignment and magnetic axis analysis.

#### 4. Commissioning and operations: SB

- How much do we really think we can do in 2015/02?

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- Presently trying to address the items that have arisen in running so far.
  - Starting a run remains an issue because of scheduling of experts.
  - Activation run; scheduled for 29Aug15. Fits with “no SS training” as presently planned.
  - Agreed to ask for activation run to be taken on 29Aug15.
    - **CR** will consult with Dean Adams and Andy Nichols to see whether access to the Hall can be granted with dipping target by magnets off and beam-stop closed.
    - Need to train shifters for the 29Aug15 or use experienced people.
  - Training for shifters needs to be dovetailed with magnet training. Needs to be discussed and scheduled with magnet trainers.
  - Need to check procedures re lock-off of conventional magnets. There is no impediment to leaving them switched on at the power supply. **SB:** notes as action (above) for SB to contact A. Nichols to ask if we can agree to do this.
  - Most of shifts are signed up for. Reminder sent to collaboration to request volunteers.

#### 5. Revision of run plan: SB, CR

- Discussion of trigger rates started. The rate will then inform the estimation of the amount of data that can be taken during 2015/02 and beyond.
- Agree not to schedule data taking in parallel with magnet training. Maintain a list of items to advance (i.e. to execute in breaks in training) if possible:
  - Tracker
  - TOF calib
  - Mmtm scan for Ckov
  - EMR scan:
    1. Muon penetration depth;
    2. Errors in DAQ may be correlated with DAQ being on. This could be done without beam
- Data in 2015/02:
  - Magnet alignment check;
  - Optics scans with absorber empty
- Data in 2015/03 (Nov/Dec):
  - Calibration, re-do alignment, LH2,
  - Begin data taking campaign
- Absorber change between 2015/03 and 2015/04 (2016).
- Goal: updated run plan for meeting tomorrow.
- Want useful track count from C. Hunt.

#### 6. Status of Step I publications: VB

- Pion-contamination paper:
  - P. Soler, J. Nugent and Y. Kharadzhev discussing some analysis details at YK's request. M. Bogomilov had proposed an additional cut. This was studied but did not yield any significant change in the results.

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- New draft expected quite soon.
  - EMR beam-test paper:
    - Paper now out for collaboration's comments. Deadline for first round is 20Aug15.
    - First round of author list prepared for circulation.
    - **KL**: to circulate to A. Blondel for distribution to the CB for comment.
  - 7. **Status of cooling demo specification paper: CR**
    - Referees have been nominated by EB. **CR** will contact them shortly.
  - 8. **Preparations for analysis at Step IV: CR**
    - C. Hunt pursuing alignment. Some anomalous results are being investigated. Magnetic-axis analysis being developed by CR. Work in progress.
  - 9. **DONM**
    - 25Aug15: 14:00
  - 10. **AoB**
    - None.

#### Summary of actions:

- **KL**: to push through meeting with SS; we need: PMcI, SS, CW, RP, KL, KR.
- **SB/DR/PMH**: ensure that magnet currents are read-back and written into the CDB.
- **CW**: will make plan re exchange of top hat and completion of tracker h/w.
- **CR** will consult with Dean Adams and Andy Nichols to see whether access to the Hall can be granted with dipping target by magnets off and beam-stop closed.
- **KL**: to circulate draft author list to A. Blondel for distribution to the CB for comment.
- **CR**: contact cooling-demo paper wise people.