

MICE Executive Board

1st April 2016; 13:30 GMT

Phone details: <http://mice.iit.edu/phonebridge.html>

At R25, R1, RAL

Present:

Vittorio Palladino, Chris Booth, Ken Long, John Cobb, Colin Whyte, Dan Kaplan, Steve Boyd, Durga Rajaram, Alan Bross, Mark Palmer, Chris Rogers, Roumen Tsenov, Maurizio Bonesini, Paul Soler

Apologies:

Zoe Bowden

Notes

1. Introduction: KL
 - Reviewed agenda; reviews – notes JWom is chairing FAC; pressures from operations and commissioning; solenoid recovery
2. Minutes and Actions: All
 - **CW:** Organise an appropriate magnet-system operational readiness review exercise
 - Readiness review is going ahead; email from Sandor and discussion with Boehm; timescale is middle of month; need to confirm with Griffiths; aim is to coincide with completion of QPS
 - **Stands**
 - **KL:** Liaise with CB to generate revised collaboration list for the MICE WWW site
 - DL has not responded
 - **Stands**
 - **KL:** Post measurements of 8 V ms activation run
 - **Stands**
 - **KL:** Respond to VP on future conference contributions
 - KL agreed to check the abstract
 - **Stands**

3. Project Manager's Report: CW

- See slides
- Note pressures from commissioning, operations and requirements of chilled water. Warm magnets are presently valved off so recirculating water can be less demineralised.

4. Operations Coordinator's Report: SB

- See slides
- Run plan drivers are the schedule for IH2; when to turn on M2 in SSD; and overall running time. M2 schedule should be covered by the magnet readiness review, which puts a deadline for when we make that decision.
- The need to present all of the operational limits/overarching configurations at magnet readiness review was highlighted.
- Discussion of who could do BLOC/shifter, noting requirement for appropriate training at appropriate times, etc. The need to allocate regular training schedule and split requirements for beam/no beam was noted, in order to smooth the training cycle and reduce overheads. The need for 5 weeks notice for most US collaborators was identified. SB expects current run plan will add a shift block to all of the allocations. MP notes that we are likely to be able to spread the data taking over more run periods.
- Water circuit work has priority.
- If we need field-off data and we can take it then we should.

5. Paper Status: CR

- Note 2 papers published and more in the works.
- Demo paper status was presented during the collaboration meeting. There was discussion of the journal in which it might be published. It was noted that we have promised a paper for PRAB; and we have a relationship with J Inst. Discussion/decision postponed until paper is further on.
- KL notes that we have to be careful to maintain quality in our publications.
- Note IPAC contribution from Tanaz. Physics coordinator should distribute as usual. Should be validated in April 28th workshop. Should be a MICE note.

6. S/w&C issues: DR

- Reconstruction real data is in a much better shape. Note helical efficiency in MC may be an issue. DK asks about uniformity in fields (vs tracker); has not been explored for SciFis in detail and not recently.
- It would be very disruptive to separate the controls network in MLCR at this stage but series of tests should be performed before QPS is commissioned. Discussion was referred to MIPO.

7. Preparation for next wave of reviews: KL, CW, PS

- Papers have been submitted for the MICE project board; links need to be resolved for “supporting material”. Some issues with access to papers were noted.
- Talk rehearsals are on Monday 4th April. The SSD recovery presentation needs to be “joined up”. Note different estimates from different sources and different time estimates. The estimate is beyond available US resource. Discussion of variability of SSD cost estimates and presentation of different bids/estimates. Aim will be to go through the process to get valid budgetary quotes by Aug 16 and then decide to purchase.
- Discussion of schedule; we are close to promised schedule for bid process; but January 2018 delivery for magnet is likely to move back to late 2018. Additionally need to map the new magnet; assume use of the CERN mapper.

8. CM44 and Debrief

- Plan to extend plenary session to reduce stress.
- Dark currents may be an issue. Seek to reoptimise the Pattern Recognition. Should plan to implement timing info from tracker. RF group plan to take additional Dark Current measurements. Note dependency on RF voltage. Note also that priority should be on Step IV for reconstruction team.
- Secondary absorbers; should we move to a procurement? If we are forced to descope, should we remove LiH secondary absorbers before RF? Rogers notes that if we take out more RF, the issue becomes one of measuring the energy recovery.
- Note decision that He purchase should come from the common fund, as discussed in CB.

9. Common Fund: PS

- Need to contact Serbia as invoice not sent out.
- Bulgaria should make an “in-kind” contribution e.g. additional shifters or BLOCs. Travel funds may be available through EUCard.
- PS would like to have a collaboration list which has e.g. is the person a paper author? Is the person a common-fund contributor? JHC notes data protection act may be an issue.
 - **Action CB** to send request for update to list of people on common fund

10. Speakers Bureau: VP

- ICHEP: will be one talk (SB) and two posters (VB, TM)
- Neutrino: we have 2 posters
- NuFact: 4 talks in MICE parallel session + suggested MICE plenary talk

11. Next collaboration meetings

- **Action KL** Request to tie down date in October

12. DONMs

- Continue to make EB the day after VC

13. AoB

- Descope options were raised
 - CW will allude to them next week but they will not be discussed in detail next week.
 - CW + KL will draft a note with description of options
 - There was discussion of physics implications of options

Summary of Actions

- **CW:** Organise an appropriate magnet-system operational readiness review exercise
- **KL:** Liaise with CB to generate revised collaboration list for the MICE WWW site
- **KL:** Post measurements of 8 V ms activation run
- **KL:** Respond to VP on future conference contributions
- **CB:** send request for update to list of people on common fund
- **KL:** Confirm date for October Collaboration Meeting