

Spokesman's report and Executive Board report

- **Executive Board report**
- **Decommissioning**
- **Resources**
- **Delivering the MICE legacy**
- **MPB/lessons learnt**
- **Future collaboration meetings**

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EXECUTIVE BOARD REPORT

Executive Board Report

- Three meetings since last Collaboration Board:
 - [2017-10-03], 2017-12-08, 2018-01-12, 2018-02-09
- EB activities:
 - Initiated and managed decommissioning
 - Ensured appropriate attention paid to choice of data vs magnetic survey
 - Supported Physics 'n' S/w&C Coordinators in organisation of analysis
 - Continued Tracker s/w rolling review; initiated TOF reconstruction rolling review
 - Need to push former to conclusion now and progress the latter
 - Set data-taking, conference, publication and project priorities
 - Continued to liaise with Speakers' Bureau and its chair VP

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DECOMMISSIONING

Hall schedule

			January				February			March				
			Mon	Mon	Mon	Mon	Mon	Mon	Mon	Mon	Mon	Mon	Mon	Mon
			08/01/2018	15/01/2018	22/01/2018	29/01/2018	05/02/2018	12/02/2018	19/02/2018	26/02/2018	05/03/2018	12/03/2018	19/03/2018	26/03/2018
CM50										CM50				
Survey	Magnets	SSU			DSA/Sync Complete	Survey complete								
Decision on data							Decision							
Magnet Mapping		EMR/KL/ToF2 move back to beamstop												
		Survey TKD in place												
		Extract TKD and survey hall probes												
		Survey TKU in place												
		Extract TKU and survey hall probes												
		Install mapper and map SSD												
De-commissioning		Install mapper and map SSU												
	PPS	week 8 th Jan		Complete										
	Magnets and cryogenics	SSU&D												
		FC												
		DS												
	Detectors	ToF												
		EMR												
		Cherenkov												
		Trackers												
	Gases	Nitrogen												
		Supercon magnets												
		Rack room												
	Electrical power													
	Water and Cooling													
	Air-Con													
	Vacuum	Tracker cryo												
		interspace												
		SSU												
		SSD												
		FC												
Didcot		Clear - ship / Hall												
Daresbury		Tidy and ship												
Computing		Move.												

- Equipment owners must liaise with C. Whyte re fate of equipment
- Identification of equipment to be preserved in R9 a priority

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RESOURCES

- **Personnel:**
 - Likely continued attrition on key/experienced personnel
 - Important to work together to maximise resources and expedite analyses
 - Highlighted by H.Nebrensky's talk and subsequent discussion

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DELIVERING THE MICE LEGACY

Papers

Papers in progress

Title	Contact	Comment
Step IV physics		
Direct measurement of emittance using the MICE scintillating-fibre tracker	V. Blackmore	Preliminary results public. Move to preparation for publication at CM50.
Measurement of multiple Coulomb scattering of muons in lithium hydride	J. Nugent	Preliminary results public. Move to preparation for publication at CM50.

Field-on papers

Title	Contact	Comment
Step IV physics		
Phase-space density/emittance evolution; rapid communication	C. Rogers	Preliminary results made public at IPAC17. Decision: updated/new results for IPAC18.
Measurement of energy-loss distributions	S. Wilbur	First preliminary results made public at IPAC17. Results may be presented in the system-performance paper.
Field-on measurement of multiple Coulomb scattering	A. Young	Analysis underway
Beam-based alignment	To be assigned	Analysis underway
Phase-space density/emittance reconstruction	To be assigned	Analysis underway
Phase-space density/emittance evolution review paper	To be assigned	Analysis underway

Papers in progress

Title	Contact	Comment
Technical		
The MICE Analysis and User Software framework	D. Rajaram	In preparation
Performance of the MICE diagnostic systems	S. Wilbur	May include validation of energy-loss simulation.
	P. Franchini	
Muon Ionization Cooling Experiment	C. Whyte	First section (TOF) in hand.
	P. Franchini	
The MICE RF system	K. Ronald	Builds on conference publications.
The MICE magnetic channel	A. Bross, J. Cobb	Builds on conference publications.
The MICE liquid-hydrogen absorber	J. Boehm, M. Tucker	Drafting underway.

- Completion of “milestone papers” will require completion of a number of detailed analyses, e.g.:
 - Transfer matrix approach to magnetic alignment;
 - Study of effect of non-linear terms in the Hamiltonian (field) expansion;
- Each of these analysis may warrant a paper of its own.

Important decision: cooling signal for IPAC18?

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'MPB'/LESSONS LEARNT

Close-out and lessons learnt

- STFC is organising an 'MPB'-style Close-out meeting:
 - This will include a 'lessons-learnt exercise':
 - ... *this will be done in an open and discursive way, underpinned with a no-blame culture, ...*
 - 17—18 April 2018
- At present the membership is:
 - Charlotte Jamieson, STFC
 - Jim Kerby, Argonne National Laboratory
 - Ken Long, Imperial College London
 - Mark Palmer, Brookhaven National Laboratory
 - Steve Peggs, Brookhaven National Laboratory
 - Ian Robson, STFC
 - Bruce Strauss, Department of Energy
 - Tom Taylor, CERN
- Proposals for addition from me:
 - Maurizio Bonesini (Europe)
 - Yoshi Kuno (Asia)
 - Alan Bross (Deputy Spoke)
 - Roy Preece (immediate ex-PM)
- Please feed-in your thoughts and opinions:
 - To me, Colin or a member of the EB
 - Exact terms-of-reference for the meeting are not yet available, but, I expect to start formal preparations on 16Mar18

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NEXT COLLABORATION MEETINGS

Future collaboration meetings

- 2018:
 - CM49 Week of 01Feb--02Mar 2018 (RAL)
 - Week of: 27Jun—28Jun (RAL)
 - Week of: 08Oct--12Oct