

Spokesman's report and Executive Board report

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EXECUTIVE BOARD REPORT

Executive Board Report

- **Three meetings since last Collaboration Board:**
 - [2019-06-28], 2019-08-09, 2018-09-27
- **EB activities:**
 - Supported Physics 'n' S/w&C Coordinators in organisation of analysis
 - Set conference, publication and project priorities
 - Liaised with Speakers' Bureau and its chair VP
 - Coordinated work on outreach for Nature paper

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RESOURCES

Staff effort

- **General bleeding of expertise/experience:**
 - **All remaining post-docs now formally $\geq 50\%$ supported on other projects**
 - **Biggest issue: ensuring critical publications are published in a timely fashion**

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DELIVERING THE MICE LEGACY

Papers

Title	Contact	26-Sep-19 v20 Target date		Comments Jan-19
		Preliminary	Final	
Phase-space density/emittance evolution; rapid communication	C. Rogers	Apr18 w/s	Apr19	Peer review with Nature
Measurement of multiple Coulomb scattering of muons in lithium hydride	J. Nugent	Jun18; CM51	Apr19	Progress
Performance of the MICE diagnostic systems	P. Franchini	Feb19; CM53		Progress
Phase-space density/emittance evolution review paper				
Flip mode	P. Jurg	TBD		Full analysis chain in place.
Solenoid mode	T. Lord	TBD		
Phase-space density/KDE/6D-emittance evolution	C. Brown	TBD		Thesis published on initial analysis; taken over by C.Brown
Measurement of multiple Coulomb scattering of muons in LH2	J. Nugent	TBD		Awaits completion of LiH paper
Field-on measurement of multiple Coulomb scattering	A. Young	TBD		Analysis underway
LH Scattering	Gavril	TBD		Analysis underway

- **Examples of impact to bring forward:**
 - **Scientific:**
 - Papers, conference proceedings, theses, talks, ...
 - **Impact:**
 - **Direct:**
 - E.g. g-2 ring may use wedge absorber to improve beam
 - **Legacy:**
 - Muon Collider, nuSTORM, novel neutrino-beam discussions in ESPPU
 - **Impact:**
 - Investment in high-tech, UK, local, EU and other industry (quantifiable);
 - Outreach (e.g. national competition for schools organised on the back of Neutrino 2016)
 - Trained personnel: technical, engineering (cryo, mech., elec, electronic, s/w), analysis, accelerator scientist
- **Need to continue to develop these arguments**

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DISCUSSION OF ORGANIZATION & NEXT COLLABORATION MEETINGS

- **Essentially an analysis-only activity:**
 - Excellent leadership/guidance from C.Rogers
 - Principal effort 3—4 graduate students and post-docs
- **Collaboration essential:**
 - Maintenance of quality in analysis and publications
- **Organisation:**
 - **Present structure:**
 - Established for construction project
 - Evolved for combined construction/analysis programme
 - Perhaps a more light-touch organizational approach is now appropriate
- **My term as spokesman ends Nov19:**
 - I am now 'distracted' from MICE by significant competing responsibilities
 - We should take the opportunity to consider how to move forward