

Welcome and introduction

Welcome

Thanks for coming!

Covid-19 continues to makes life not so straightforward

Introduction

PAPERS

Papers

03-Sep-20 v23

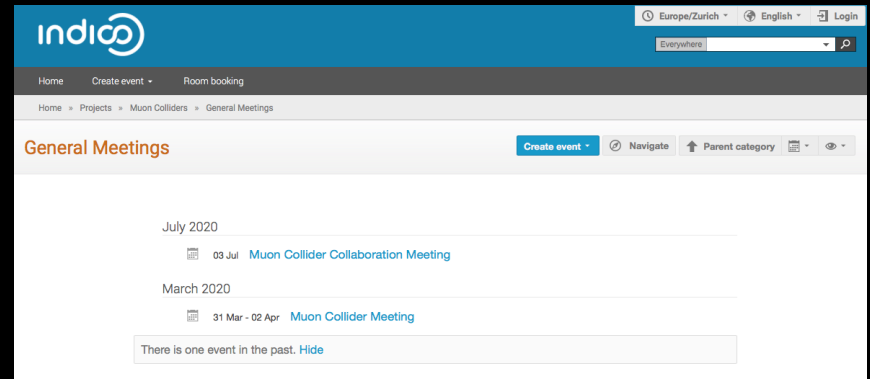
Title	Contact	Target date		Comments
		Preliminary	Final	
Measurement of multiple Coulomb scattering of muons in lithium hydride	J. Nugent	Jun18; CM51	Apr19	New MICE Note draft; working towards first draft of publication
Performance of the MICE diagnostic systems	P. Franchini	Feb19; CM53		Wise-people recommended working towards draft of publication
Phase-space density/emittance evolution review paper				
Flip mode	P. Jurg	TBD		Preliminary results to conferences this summer
Solenoid mode	T. Lord	TBD		Preliminary results to conferences this summer
Phase-space density/KDE/6D-emittance evolution	C. Brown	TBD		Progress on applying analysis to data
Measurement of multiple Coulomb scattering of muons in LH2	G. Chatzitheodoridis/J. Nugent	TBD		Awaits completion of LiH paper
Field-on measurement of multiple Coulomb scattering	A. Young	TBD		Analysis underway
LH Scattering	G. Chatzitheodoridis	TBD		Analysis underway

Introduction

nuSTORM & muon collider

Muon collider

- Developing initiative:
 - Leads: Nadia Pastrone and Daniel Schulte
- Cooling/front-end – Chris Rogers
- Need to produce document for PPAP



nuSTORM -- discussion meeting

Friday 23 Oct 2020, 13:30 → 16:30 Europe/London

Description Meeting to follow up on the meeting held on the [18th August 2020](#). The discussion will focus on the programme to which we should aspire in the context of the development of the nuSTORM programme, the development of the international Muon Collider collaboration, the evolving Snowmass process, and the developments in the CERN member states in response to the ESPPU. The discussion will be organised in three sections:

- Physics: neutrino cross section and beyond the Standard Model;
- Detector: for neutrino cross section programme and sterile, BSM searches; and
- Accelerator: development of nuSTORM and exploitation of nuSTORM as muon collider R&D platform and demonstrator.

The [report](#) on the nuSTORM feasibility study carried out as part of the Physics Beyond Colliders programme has been updated to include a revision of the ring design and the corrected collaboration list submitted that was prepared alongside the Snowmass submission.



CERN-PBC-REPORT...

13:30 → 13:45 Introduction

Introduction

13:30

Welcome, introduction and aims

Speaker: Kenneth Richard Long (Imperial College (GB))

🕒 10m

13:45 → 14:30 Physics: nuSTORM physics programme: neutrino cross sections and BSM searches

Neutrino cross section and BSM physics

Convener: Silvia Pascoli (University of Durham (GB))

14:30 → 15:15 Detectors: Detectors for neutrino cross section measurements and BSM searches

Conveners: Prof. Jonathan Link (Virginia Tech), Neil McCauley (University of Liverpool), Steven Boyd (University of Warwick)

15:15 → 16:00 Accelerator: Accelerator: development of nuSTORM accelerator facility and its exploitation as muon collider test bed and technology demonstrator

Conveners: Chris Rogers (STFC), Jaroslaw Pasternak (Imperial College, London), Jonathan Gall (CERN)

16:00 → 16:30 Closing discussion

Closing discussion

nuSTORM

Need build on
PBC activity



Welcome and introduction
AND NOW ...

Thu 22/10

13:00	Introduction Zoom, Other Institutes Kenneth Richard Long 13:00 - 13:15
	From Analyses to Papers Zoom, Other Institutes Chris Rogers 13:15 - 13:30
	System Performance Paper Zoom, Other Institutes Dr Paolo Franchini 13:30 - 13:45
	LH Scattering Zoom, Other Institutes John Nugent 13:45 - 14:15
14:00	Flip mode Emittance Evolution Zoom, Other Institutes Mr Paul Jur 14:15 - 15:00
15:00	Coffee Zoom, Other Institutes 15:00 - 15:30
	Wedge Emittance Evolution Zoom, Other Institutes craig brown 15:30 - 16:10
16:00	LH2 Scattering Zoom, Other Institutes Gavril Chazaltheodoridis 16:10 - 16:50
17:00	Solenoid Mode Emittance Evolution Zoom, Other Institutes Mr Tom Lord 16:50 - 17:30
	Field on scattering Zoom, Other Institutes Dr Alan Young 17:30 - 18:00
18:00	
	Collaboration Board Zoom, Other Institutes 18:30 - 19:30

Fri 23/10

12:00	Discussion and Summaries Zoom, Other Institutes Paul Kyberd 12:00 - 13:00
13:00	

Over to you!