

Spokesman's introduction

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ANALYSIS UPDATE AND PAPER PLANNING

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

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UPCOMING MEETINGS

Future meetings

- **2021:**
 - **CM58 – offer to co-organise with iMC/nuSTORM**
 - **March 2021**
 - **CM59:**
 - **October 2021**
- **Analysis workshop:**
 - **17Dec20**
- **Video conferences:**
 - 03Dec20
 - **04Feb21**
- **Muon collider cooling:**
 - **10Dec20**
- **IPPP w/s:**
Physics with high-brightness muon beams:
 - **11/12 February 2021**

Snowmass NF09 Artificial Beams w/s

NF09 Workshop

2 Dec 2020, 09:00 → 4 Dec 2020, 14:45 | [Join/Cancel](#)

Zoom

Alyssa Marrod (University of Colorado), Pedro Ochoa (University of California at Irvine), Joshua Spitz (University of Michigan), Laura Fields (Fermilab)

Registration [Participants](#)

THURSDAY, 3 DECEMBER

09:00 - 09:20 Neutrinos from spallation sources: Mock #1

09:00

JUNICE

Speaker: Takasumi Maruyama (CERN)

09:20 - 09:40 Neutrino Sources: Mock #1

09:20

Neutrino physics with muon-decay neutrino baseline neutrino beam facility (MOMENT)

Speaker: Jun Tang (Lawrence Berkeley National Laboratory)

09:40 - 11:20 Neutrinos from spallation sources: Mock #2

09:40

CONCERT General physics, hardware, and applications

Speaker: David Schmitz (University of Michigan)

10:10

CCM and LAMIEE Design

Speaker: Michael Van de Walle (CERN)

10:30

Relationship to new physics (non-neutrino) searches at beam dump experiments

Speaker: Kevin Kelly

10:50

Break

11:00

Flux instrumentation of spallation sources: SMO 200 flux monitor

Speaker: Christoph Schmitt (Lawrence Berkeley National Laboratory)

11:00 - 12:20 Neutrino Sources: Mock #2

11:00

Tests of Precision Beam Timing

Speaker: Matt Wickham (Lawrence Berkeley National Laboratory)

11:30

FASER: Looking forward to neutrinos at the LHC

Speaker: Felix Kling (CERN)

12:00

NullStream

Speaker: Kenneth Long (University of Colorado)

Imperial College
London

Science & Technology
Facilities Council



vSTORM

a unique facility for neutrino physics
and muon-collider test bed

K. Long, 3 December, 2020

<https://www.nustorm.org/trac/>



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nuSTORM, Neutrinos from Stored Muons

This is the landing page of a wiki for the development of the nuSTORM facility. Work on the development of the wiki started on 20Oct20, so it is still very much a work in progress.

News

03Dec20:

[nuSTORM, a unique facility for neutrino physics and muon-collider test bed](#); presentation to the NF09 workshop on Artificial Neutrino Sources, part of the 2020/21 Snowmass process.
K. Long on behalf of the collaboration

27Nov20:

[Muon-beam submission to the PPAP "Studies of a Muon Collider and nuSTORM at CERN"](#)
C. Rogers et al.; input to the PPAP post-ESPPU roadmap-update process

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