

# nuSTORM Workshop



## Report of Contributions

Contribution ID: 0

Type: **not specified**

# Welcome

*Thursday, 21 November 2013 10:00 (10 minutes)*

**Session Classification:** Intro and Updates

Contribution ID: 1

Type: **not specified**

## Introduction

*Thursday, 21 November 2013 10:10 (30 minutes)*

**Presenter:** Prof. BROSS, Alan (Fermilab)

**Session Classification:** Intro and Updates

Contribution ID: 2

Type: **not specified**

## Update - proton beam line

*Thursday, 21 November 2013 10:40 (20 minutes)*

**Presenter:** Mr GEELHOED, Michael (fermilab AD/EBD)

**Session Classification:** Intro and Updates

Contribution ID: 3

Type: **not specified**

## Update - Pion Production

*Thursday, 21 November 2013 11:00 (20 minutes)*

**Presenter:** Dr STRIGANOV, Sergei (Fermilab)

**Session Classification:** Intro and Updates

Contribution ID: 4

Type: **not specified**

## Pion Beam Line

**Co-authors:** Prof. BROSS, Alan (Fermilab); Mr LIU, Ao (Indiana University/Fermilab)

Contribution ID: 5

Type: **not specified**

## Pion beam line

*Thursday, 21 November 2013 11:20 (35 minutes)*

**Presenter:** Mr LIU, Ao (Indiana University/Fermilab)

**Session Classification:** Intro and Updates

Contribution ID: 6

Type: **not specified**

## **nuSTORM sterile search analysis update**

*Thursday, 21 November 2013 14:00 (40 minutes)*

**Presenter:** Dr BAYES, Ryan (Glasgow)

**Session Classification:** SBL Oscillation



Contribution ID: 7

Type: **not specified**

## **SuperBIND - Update on magnetization**

*Thursday, 21 November 2013 15:30 (15 minutes)*

**Presenter:** Prof. BROSS, Alan (Fermilab)

**Session Classification:** Detectors

Contribution ID: 8

Type: **not specified**

## Magnetized LAr

*Thursday, 21 November 2013 15:45 (30 minutes)*

**Presenter:** GUIMARAES, Caroline (York University)

**Session Classification:** Detectors

Contribution ID: 9

Type: **not specified**

## **nuSTORM at the ESS**

*Friday, 22 November 2013 12:00 (30 minutes)*

**Presenter:** Dr DRACOS, Marcos (IPHC-IN2P3/CNRS)

**Session Classification:** nuSTORM Options

Contribution ID: **10**

Type: **not specified**

## **nuSTORM utilizing the LBNE target station**

*Friday, 22 November 2013 14:00 (30 minutes)*

**Presenter:** Dr POPOVIC, Milorad (FNAL)

**Session Classification:** nuSTORM Options

Contribution ID: 11

Type: **not specified**

## **Search for steriles, the landscape 3-5 years out**

*Thursday, 21 November 2013 15:00 (30 minutes)*

**Presenter:** Prof. LINK, Jonathan (Virginia Tech)

**Session Classification:** SBL Oscillation

Contribution ID: 12

Type: **not specified**

## **Present status of theory/phenomenology of light sterile neutrinos**

*Thursday, 21 November 2013 13:30 (30 minutes)*

**Presenter:** Prof. DE GOUVEA, Andre (Northwestern University)

**Session Classification:** SBL Oscillation

Contribution ID: 13

Type: **not specified**

## **Racetrack FFAG ring**

*Thursday, 21 November 2013 11:55 (35 minutes)*

**Presenter:** Mr LAGRANGE, jean-baptiste (kyoto university)

**Session Classification:** Intro and Updates

Contribution ID: 14

Type: **not specified**

## **Expected status of Neutrino scattering in 2020**

*Friday, 22 November 2013 09:00 (25 minutes)*

**Presenter:** Prof. CAVANNA, Flavio (Yale University)

**Session Classification:** Neutrino Interaction Physics



Contribution ID: 15

Type: **not specified**

## **Outline fo nuSTORM neutrino scattering program**

*Friday, 22 November 2013 09:25 (25 minutes)*

**Presenter:** MORFIN, Jorge G. (Fermilab)

**Session Classification:** Neutrino Interaction Physics

Contribution ID: 16

Type: **not specified**

## **nuSTORM near detector flux with erros**

*Friday, 22 November 2013 09:50 (25 minutes)*

**Presenter:** YU, Mitchell (York University)

**Session Classification:** Neutrino Interaction Physics

Contribution ID: 17

Type: **not specified**

## Break

*Friday, 22 November 2013 10:15 (20 minutes)*

**Session Classification:** Neutrino Interaction Physics

Contribution ID: **18**

Type: **not specified**

## **nuSTORM near detector designs**

*Friday, 22 November 2013 10:35 (25 minutes)*

**Presenter:** Dr NOAH MESSOMO, Etam (University of Geneva)

**Session Classification:** Neutrino Interaction Physics

Contribution ID: **19**

Type: **not specified**

## **Expected nuSTORM measurement accuracy**

*Friday, 22 November 2013 11:00 (30 minutes)*

**Presenter:** SANTOS, Edward (Imperial College)

**Session Classification:** Neutrino Interaction Physics

Contribution ID: **20**

Type: **not specified**

## **Discussion**

*Friday, 22 November 2013 11:30 (30 minutes)*

**Session Classification:** Neutrino Interaction Physics

Contribution ID: 21

Type: **not specified**

## **nuSTORM with the Muon Accelerator Staging Scenario**

*Friday, 22 November 2013 14:30 (30 minutes)*

**Presenter:** Dr ANKENBRANDT, Charles (Muons, Inc.)

**Session Classification:** nuSTORM Options

Contribution ID: 22

Type: **not specified**

**Break**



Contribution ID: 23

Type: **not specified**

## **Leptogenesis and neutrino oscillation CP violation**

*Friday, 22 November 2013 16:00 (1 hour)*

**Presenter:** Dr KAYSER, Boris Kayser (Fermilab)

**Session Classification:** Wine & Cheese Seminar

Contribution ID: 24

Type: **not specified**

## Shower tagging in SuperBIND

*Thursday, 21 November 2013 14:40 (20 minutes)*

**Presenter:** Dr ADEY, David (Fermilab)

**Session Classification:** SBL Oscillation

Contribution ID: 25

Type: **not specified**

## Preparations for next WS

*Friday, 22 November 2013 15:00 (20 minutes)*

**Presenter:** MORFIN, Jorge G. (Fermilab)

**Session Classification:** Conclusions & Moving forward

Contribution ID: 26

Type: **not specified**

## Status of CERN participation

*Friday, 22 November 2013 15:20 (20 minutes)*

**Presenter:** Prof. LONG, Kenneth (Imperial College London)

**Session Classification:** Conclusions & Moving forward

Contribution ID: 27

Type: **not specified**

## Discussion

*Friday, 22 November 2013 15:40 (20 minutes)*

**Session Classification:** Conclusions & Moving forward