

# **ND Prototypes Analysis Workshop**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Introduction to the Workshop

*Friday, 19 May 2023 09:00 (20 minutes)*

**Presenters:** OCHOA, J. Pedro (University of California at Irvine); VALLARI, Zoya (Caltech)

**Session Classification:** Big Picture

Contribution ID: 2

Type: **not specified**

## Wine & Cheese Seminar

*Friday, 19 May 2023 16:00 (1 hour)*

Contribution ID: 3

Type: **not specified**

## Geometry

*Friday, 19 May 2023 09:50 (20 minutes)*

**Presenters:** DIAZ, Alejandro (California Institute of Technology); HULCHER, Zachary (Stanford)

**Session Classification:** Simulation and Calibration

Contribution ID: 4

Type: **not specified**

## **LAr Simulation + Calibration Overview**

*Friday, 19 May 2023 11:30 (30 minutes)*

**Presenters:** WOOD, Kevin (Lawrence Berkeley National Laboratory); CHEN, Yifan

**Session Classification:** Simulation and Calibration

Contribution ID: 5

Type: **not specified**

## **MINERvA Simulation Overview**

*Friday, 19 May 2023 10:10 (20 minutes)*

**Presenter:** ROY, Noe (York University)

**Session Classification:** Simulation and Calibration

Contribution ID: 6

Type: **not specified**

## MINERvA Calibration Overview

*Friday, 19 May 2023 11:00 (15 minutes)*

**Presenter:** PERNAS, Carlos

**Session Classification:** Simulation and Calibration

Contribution ID: 7

Type: **not specified**

## Production Status and Plans

*Friday, 19 May 2023 09:20 (30 minutes)*

**Presenter:** KRAMER, Matt (Lawrence Berkeley National Laboratory)

**Session Classification:** Simulation and Calibration



Contribution ID: 8

Type: **not specified**

## Pandora

*Saturday, 20 May 2023 09:30 (30 minutes)*

**Presenters:** WHITEHEAD, Leigh (University of Cambridge); DENNIS, Steve (University of Cambridge)

**Session Classification:** Reconstruction

Contribution ID: 9

Type: **not specified**

## **ML reco**

*Saturday, 20 May 2023 10:00 (30 minutes)*

**Presenters:** MOGAN, Andrew (Colorado State University); DRIELSMA, Francois (SLAC); KUMARAN, Sindhujha (University of California, Irvine)

**Session Classification:** Reconstruction

Contribution ID: **10**

Type: **not specified**

## **MINERvA Reconstruction Overview**

*Saturday, 20 May 2023 09:00 (30 minutes)*

**Presenter:** ROY, Noe (York University)

**Session Classification:** Reconstruction

Contribution ID: 11

Type: **not specified**

## **Status of ML reco output to CAFs**

*Saturday, 20 May 2023 14:35 (15 minutes)*

**Presenter:** KUMARAN, Sindhujha (University of California, Irvine)

**Session Classification:** Analysis Tools and Systematics Implementation

Contribution ID: 12

Type: **not specified**

## Systematics: Detector

*Saturday, 20 May 2023 12:00 (30 minutes)*

**Presenters:** WILKINSON, Callum (Lawrence Berkeley National Laboratory); MUETHER, Mathew (Wichita State)

**Session Classification:** Analysis Tools and Systematics Implementation

Contribution ID: 13

Type: **not specified**

## Status of Pandora output to CAFs

*Saturday, 20 May 2023 14:20 (15 minutes)*

**Presenter:** DENNIS, Steve (University of Cambridge)

**Session Classification:** Analysis Tools and Systematics Implementation

Contribution ID: 14

Type: **not specified**

## Status of MINERvA output to CAFs

*Saturday, 20 May 2023 14:50 (10 minutes)*

**Presenter:** ROY, Noe (York University)

**Session Classification:** Analysis Tools and Systematics Implementation

Contribution ID: 15

Type: **not specified**

## Systematics: Beam

*Saturday, 20 May 2023 11:00 (30 minutes)*

**Presenters:** WOOD, Anthony (University of Houston); CHERDACK, Daniel (University of Houston)

**Session Classification:** Analysis Tools and Systematics Implementation



Contribution ID: 16

Type: **not specified**

## **Systematics: Xsec**

*Saturday, 20 May 2023 11:30 (30 minutes)*

**Presenter:** KIM, Jaesung (University of Rochester)

**Session Classification:** Analysis Tools and Systematics Implementation

Contribution ID: 17

Type: **not specified**

## Overview of Changes to StandardRecord

*Saturday, 20 May 2023 14:00 (20 minutes)*

**Presenters:** CUDD, Andrew (University of Colorado Boulder); MOGAN, Andrew (Colorado State University)

**Session Classification:** Analysis Tools and Systematics Implementation

Contribution ID: **18**

Type: **not specified**

## **First analysis introduction**

*Saturday, 20 May 2023 15:30 (5 minutes)*

**Presenters:** RUSSELL, Brooke (LBNL); PARSA, Saba (University of Bern)

**Session Classification:** Physics

Contribution ID: 19

Type: **not specified**

## **Mesonless numubar CC cross-section**

*Saturday, 20 May 2023 15:35 (20 minutes)*

**Presenter:** HINKLE, Elise

**Session Classification:** Physics

Contribution ID: 20

Type: **not specified**

## Charged track multiplicity

*Saturday, 20 May 2023 15:55 (20 minutes)*

**Presenter:** PAPADOPOULOU, Afroditi

**Session Classification:** Physics

Contribution ID: 21

Type: **not specified**

## Neutron physics at 2x2

*Saturday, 20 May 2023 16:15 (20 minutes)*

**Presenter:** RUSSELL, Brooke (LBNL)

**Session Classification:** Physics

Contribution ID: 22

Type: **not specified**

## **MBq MeV-scale gamma sources**

*Saturday, 20 May 2023 16:35 (20 minutes)*

**Presenters:** PSIHAS OLMEDO, Fernanda (Fermi National Accelerator Laboratory); ZENNAMO, Joseph (Fermilab)

**Session Classification:** Physics

Contribution ID: 23

Type: **not specified**

## **Truth information roadmap in larndsim and ndlar\_flow**

*Friday, 19 May 2023 12:00 (15 minutes)*

**Presenter:** CUDD, Andrew (University of Colorado Boulder)

**Session Classification:** Simulation and Calibration



Contribution ID: 24

Type: **not specified**

## The setup for 2x2 analysis and more

*Friday, 19 May 2023 13:30 (45 minutes)*

**Presenter:** KRAMER, Matt (Lawrence Berkeley National Laboratory)

**Session Classification:** Simulation and Calibration

Contribution ID: 25

Type: **not specified**

## **An example of navigating through a ndlar\_flow file**

*Friday, 19 May 2023 14:15 (45 minutes)*

**Presenters:** WOOD, Kevin (Lawrence Berkeley National Laboratory); CHEN, Yifan

**Session Classification:** Simulation and Calibration

Contribution ID: 26

Type: **not specified**

## Extracting light information from larnd-sim

*Friday, 19 May 2023 15:00 (30 minutes)*

**Presenter:** WHITE, Angela (University of Chicago)

**Session Classification:** Simulation and Calibration

Contribution ID: 27

Type: **not specified**

## **MINERvA DAQ and Nearline Status**

*Friday, 19 May 2023 11:15 (15 minutes)*

**Presenter:** MARINO, Alysia (University of Colorado Boulder)

**Session Classification:** Simulation and Calibration

Contribution ID: 28

Type: **not specified**

## **MINERvA Offline Tasks**

**Presenter:** WALTON, Tammy (Fermilab)

**Session Classification:** Reconstruction

Contribution ID: 29

Type: **not specified**

## **Beam window optimization**

*Friday, 19 May 2023 12:15 (15 minutes)*

**Presenter:** DIAZ, Alejandro (California Institute of Technology)

**Session Classification:** Simulation and Calibration

Contribution ID: **30**

Type: **not specified**

## **Tentative Timeline and Closing Thoughts**

*Saturday, 20 May 2023 17:00 (15 minutes)*

**Presenters:** OCHOA, J. Pedro (University of California at Irvine); VALLARI, Zoya (Caltech)

**Session Classification:** Big Picture

Contribution ID: 31

Type: **not specified**

## **Social Activities on Sunday**

*Saturday, 20 May 2023 17:15 (5 minutes)*

**Presenters:** WOOD, Kevin (Lawrence Berkeley National Laboratory); GREENBERG, Stephen (UC Berkeley)

**Session Classification:** Big Picture