

2x2 Analysis Workshop

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome from the organizers

Thursday, January 19, 2023 10:30 AM (10 minutes)

Presenters: WEBER, Michele (University of Bern / LHEP); WEBER, Michele (Bern)

Session Classification: Welcome

Contribution ID: 2

Type: **not specified**

Introduction to the 2x2 analysis chain

Thursday, January 19, 2023 10:40 AM (10 minutes)

Presenters: MASTBAUM, Andrew (Rutgers University); WILKINSON, Callum (Lawrence Berkeley National Laboratory); OCHOA, J. Pedro (University of California at Irvine)

Session Classification: Welcome

Contribution ID: 3

Type: **not specified**

Status of Individual Modules

Thursday, January 19, 2023 10:50 AM (25 minutes)

Presenters: KRESLO, Igor; KRESLO, Igor (LHEP, Bern University); KRESLO, Igor (LHEP, University of Bern)

Session Classification: Status of Installation

Contribution ID: 4

Type: **not specified**

Status of Installation in Fermilab

Thursday, January 19, 2023 11:15 AM (25 minutes)

Presenter: RAAF, Jennifer (Fermilab)

Session Classification: Status of Installation

Contribution ID: 5

Type: **not specified**

Discussion

Thursday, January 19, 2023 11:40 AM (20 minutes)

Session Classification: Status of Installation

Contribution ID: 6

Type: **not specified**

Cross-sections

Thursday, January 19, 2023 5:00 PM (25 minutes)

Presenter: WILKINSON, Callum (Lawrence Berkeley National Laboratory)

Session Classification: Physics Reach

Contribution ID: 7

Type: **not specified**

Physics beyond the SM

Thursday, January 19, 2023 5:25 PM (25 minutes)

Presenter: TSAI, Yu-Dai (University of California, Irvine)

Session Classification: Physics Reach

Contribution ID: 8

Type: **not specified**

Discussion

Thursday, January 19, 2023 5:50 PM (20 minutes)

Session Classification: Physics Reach

Contribution ID: 9

Type: **not specified**

LAr calibration: experience and thoughts

Thursday, January 19, 2023 1:10 PM (50 minutes)

Presenter: CHEN, Yifan

Session Classification: Calibration

Contribution ID: **10**

Type: **not specified**

LAr Calibration: Status and Plans

Thursday, January 19, 2023 2:00 PM (1 hour)

Presenter: WOOD, Kevin (Lawrence Berkeley National Laboratory)

Session Classification: Calibration

Contribution ID: 11

Type: **not specified**

MINERvA Calibration: Status and Plans

Thursday, January 19, 2023 3:30 PM (40 minutes)

Presenter: MARSHALL, Chris (University of Rochester)

Session Classification: Calibration

Contribution ID: 12

Type: **not specified**

Discussion

Thursday, January 19, 2023 4:10 PM (50 minutes)

Session Classification: Calibration

Contribution ID: 13

Type: **not specified**

Pandora Reconstruction: Overview and Status

Friday, January 20, 2023 9:00 AM (45 minutes)

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

Session Classification: LAr Reconstruction

Contribution ID: 14

Type: **not specified**

ML Reconstruction: Overview and Status

Friday, January 20, 2023 9:45 AM (45 minutes)

Presenters: DRIELSMA, Francois (SLAC); TERA0, Kazuhiro (SLAC National Accelerator Laboratory)

Session Classification: LAr Reconstruction

Contribution ID: 15

Type: **not specified**

Description of the 2x2 simulation challenge and results from Flow

Friday, January 20, 2023 11:00 AM (25 minutes)

Presenter: WOOD, Kevin (Lawrence Berkeley National Laboratory)

Session Classification: LAr Reconstruction

Contribution ID: 16

Type: **not specified**

Results from ML reco

Friday, January 20, 2023 11:25 AM (20 minutes)

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

Session Classification: LAr Reconstruction

Contribution ID: 17

Type: **not specified**

Results from Pandora

Friday, January 20, 2023 11:45 AM (20 minutes)

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

Session Classification: LAr Reconstruction

Contribution ID: **18**

Type: **not specified**

Discussion

Friday, January 20, 2023 12:05 PM (20 minutes)

Session Classification: LAr Reconstruction

Contribution ID: **19**

Type: **not specified**

Status of the simulation & reconstruction

Friday, January 20, 2023 1:30 PM (1 hour)

Presenters: ROY, Noe (York University); WALTON, Tammy (Fermilab)

Session Classification: MINERvA Software

Contribution ID: 20

Type: **not specified**

Discussion

Friday, January 20, 2023 2:30 PM (20 minutes)

Session Classification: MINERvA Software

Contribution ID: 21

Type: **not specified**

Plans and readiness for 2x2 production at NERSC

Friday, January 20, 2023 3:30 PM (40 minutes)

Presenter: KRAMER, Matt (Lawrence Berkeley National Laboratory)

Session Classification: Production, Data Management and Data Quality Monitoring

Contribution ID: 22

Type: **not specified**

Production plans for full ND

Friday, January 20, 2023 4:10 PM (20 minutes)

Presenters: MUETHER, Mathew (Wichita State University); MUETHER, Mathew (Wichita State)

Session Classification: Production, Data Management and Data Quality Monitoring

Contribution ID: 23

Type: **not specified**

DQM: LAr

Friday, January 20, 2023 4:30 PM (20 minutes)

Presenter: KRAMER, Matt (Lawrence Berkeley National Laboratory)

Session Classification: Production, Data Management and Data Quality Monitoring

Contribution ID: 24

Type: **not specified**

DQM: MINERvA

Friday, January 20, 2023 4:50 PM (20 minutes)

Presenter: MARINO, Alysia (University of Colorado)

Session Classification: Production, Data Management and Data Quality Monitoring

Contribution ID: 25

Type: **not specified**

Tour of Facilities at the University of Bern

Saturday, January 21, 2023 9:00 AM (1 hour)

Session Classification: Lab Tour

Contribution ID: 26

Type: **not specified**

Short reports from all groups and discussion

Session Classification: Closing

Contribution ID: 27

Type: **not specified**

Summary

Presenters: WILKINSON, Callum (Lawrence Berkeley National Laboratory); OCHOA, J. Pedro (University of California at Irvine)

Session Classification: Closing

Contribution ID: 28

Type: **not specified**

Discussion

Friday, January 20, 2023 5:10 PM (20 minutes)

Session Classification: Production, Data Management and Data Quality Monitoring

Contribution ID: 29

Type: **not specified**

Preparing for tomorrow's timeline discussion

Friday, January 20, 2023 3:20 PM (10 minutes)

Presenters: WILKINSON, Callum (Lawrence Berkeley National Laboratory); OCHOA, J. Pedro (University of California at Irvine)

Session Classification: Closing

Contribution ID: **30**

Type: **not specified**

Documentation

Saturday, January 21, 2023 1:15 PM (10 minutes)

Presenter: VALLARI, Zoya (Caltech)

Session Classification: Closing

Contribution ID: 31

Type: **not specified**

Understanding the fuzziness

Saturday, January 21, 2023 1:25 PM (10 minutes)

Presenter: GREENBERG, Stephen (UC Berkeley)

Session Classification: Closing

Contribution ID: 32

Type: **not specified**

Thoughts on Analysis Targets

Saturday, January 21, 2023 1:35 PM (10 minutes)

Presenters: WEBER, Michele (University of Bern / LHEP); WEBER, Michele (Bern)

Session Classification: Closing

Contribution ID: 33

Type: **not specified**

Group report: ML reco

Saturday, January 21, 2023 1:45 PM (10 minutes)

Presenters: MOGAN, Andrew (Colorado State University); DRIELSMA, Francois (SLAC); WOLCOTT, Jeremy (Tufts University); TERA0, Kazuhiro (SLAC National Accelerator Laboratory); KUMARAN, Sindhujha (University of California, Irvine)

Session Classification: Closing

Contribution ID: 34

Type: **not specified**

Group report: Pandora

Saturday, January 21, 2023 1:55 PM (10 minutes)

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

Session Classification: Closing

Contribution ID: 35

Type: **not specified**

Group report: MINERvA

Saturday, January 21, 2023 2:05 PM (10 minutes)

Presenters: MARINO, Alysia (University of Colorado Boulder); ROY, Noe (York University); WALTON, Tammy (Fermilab)

Session Classification: Closing

Contribution ID: 36

Type: **not specified**

Group report: CAFs

Saturday, January 21, 2023 2:15 PM (10 minutes)

Presenter: WOLCOTT, Jeremy (Tufts University)

Session Classification: Closing

Contribution ID: 37

Type: **not specified**

Group report: production and calibration

Saturday, January 21, 2023 2:25 PM (10 minutes)

Presenters: WOOD, Kevin (Lawrence Berkeley National Laboratory); KRAMER, Matt (Lawrence Berkeley National Laboratory)

Session Classification: Closing

Contribution ID: **38**

Type: **not specified**

Discussion

Saturday, January 21, 2023 2:35 PM (40 minutes)

Presenters: WILKINSON, Callum (Lawrence Berkeley National Laboratory); OCHOA, J. Pedro (University of California at Irvine)

Session Classification: Closing

Contribution ID: 39

Type: **not specified**

CAFs

Saturday, January 21, 2023 10:20 AM (1 hour)

Presenter: WOLCOTT, Jeremy (Tufts University)

Session Classification: CAFs

Contribution ID: 40

Type: **not specified**

Closing Remarks

Saturday, January 21, 2023 3:15 PM (20 minutes)

Presenters: WILKINSON, Callum (Lawrence Berkeley National Laboratory); OCHOA, J. Pedro (University of California at Irvine)

Session Classification: Closing