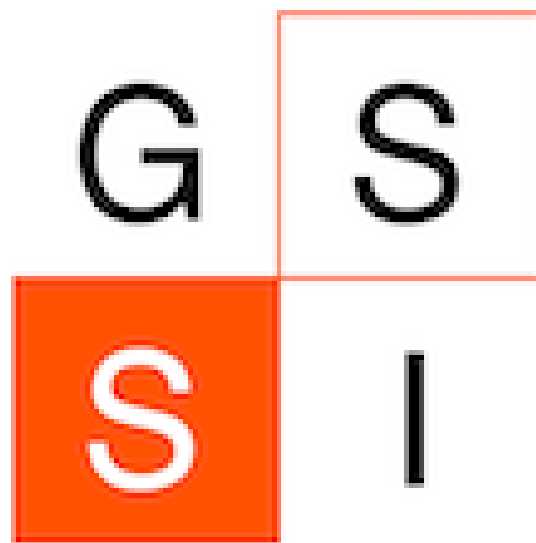


**NuInt 18 - 12th International  
Workshop on  
Neutrino-Nucleus Interactions  
in the Few-GeV Region**



**Report of Contributions**

Contribution ID: 25

Type: **not specified**

## Welcome

*Monday, 15 October 2018 09:00 (15 minutes)*

**Presenter:** COCCIA, Eugenio (GSSI)

**Session Classification:** Monday

Contribution ID: 26

Type: **not specified**

## Neutrinos and Electroweak Nuclear Physics

*Monday, 15 October 2018 09:15 (45 minutes)*

**Presenter:** LISI, Eligio

**Session Classification:** Monday

Contribution ID: 27

Type: **not specified**

## The CERN neutrino platform

*Monday, 15 October 2018 10:00 (40 minutes)*

**Primary author:** DE ROECK, Albert

**Presenter:** DE ROECK, Albert

**Session Classification:** Monday

Contribution ID: **28**

Type: **not specified**

## **SBN**

*Monday, 15 October 2018 11:10 (30 minutes)*

**Presenter:** NOWAK, Jarek

**Session Classification:** Monday

Contribution ID: 29

Type: **not specified**

## **protoDUNE**

*Monday, 15 October 2018 11:40 (30 minutes)*

**Presenter:** ACCIARRI, Roberto (Fermi National Accelerator Lab. (US))

**Session Classification:** Monday

Contribution ID: **30**

Type: **not specified**

## **DUNE near detector**

*Monday, 15 October 2018 12:10 (30 minutes)*

**Presenter:** MANLY, Steven

**Session Classification:** Monday

Contribution ID: 31

Type: **not specified**

## **T2K: Unfolding in Depth Methods and Motivation Talk**

*Monday, 15 October 2018 14:00 (25 minutes)*

**Presenter:** DOLAN, Stephen

**Session Classification:** Monday



Contribution ID: 32

Type: **not specified**

## **T2K: Forward Folding Issues and Ideas**

*Monday, 15 October 2018 14:25 (15 minutes)*

**Presenter:** KOCH, Lukas

**Session Classification:** Monday

Contribution ID: 33

Type: **not specified**

## **T2K: NC $\nu$ -O Scattering in SK + SK Gd Prospects**

**Presenter:** FUKUDA, Hironori

**Session Classification:** Monday

Contribution ID: 34

Type: **not specified**

## **T2K: CC $0\pi \nu + \bar{\nu}$ in the Tracker**

*Monday, 15 October 2018 15:00 (20 minutes)*

**Presenter:** RICCIO, Ciro

**Session Classification:** Monday

Contribution ID: 35

Type: **not specified**

## **T2K: CC $1\pi$ in the P0D**

*Monday, 15 October 2018 15:20 (20 minutes)*

**Presenter:** CHERDACK, Daniel

**Session Classification:** Monday

Contribution ID: 36

Type: **not specified**

## Wagasci/BabyMind

**Presenter:** TBA

**Session Classification:** Monday

Contribution ID: 37

Type: **not specified**

## **Neutrino induced meson production in the resonance region below 2 GeV**

*Monday, 15 October 2018 16:10 (30 minutes)*

**Presenter:** SATO, Toru

**Session Classification:** Monday

Contribution ID: **38**

Type: **not specified**

## **Impact of FSI on neutrino-nucleon pion production cross sections from neutrino-deuteron data**

*Monday, 15 October 2018 16:40 (30 minutes)*

**Presenter:** NAKAMURA, Satoshi

**Session Classification:** Monday

Contribution ID: 39

Type: **not specified**

## **Angular distributions in electroweak pion production off nucleons**

*Monday, 15 October 2018 17:10 (30 minutes)*

**Presenter:** HERNANDEZ, Eliecer

**Session Classification:** Monday



Contribution ID: **40**

Type: **not specified**

## **GENIE v3**

*Tuesday, 16 October 2018 09:00 (20 minutes)*

**Presenter:** RODA, Marco

**Session Classification:** Tuesday

Contribution ID: 41

Type: **not specified**

## **GENIE: Physics Models in new Tunes**

*Tuesday, 16 October 2018 09:20 (20 minutes)*

**Presenter:** JIANG, Libo

**Session Classification:** Tuesday

Contribution ID: 42

Type: **not specified**

## **GENIE: New Tunes**

*Tuesday, 16 October 2018 09:40 (20 minutes)*

**Presenter:** TENA-VIDAL, Julia

**Session Classification:** Tuesday

Contribution ID: 43

Type: **not specified**

## NEUT

*Tuesday, 16 October 2018 10:00 (30 minutes)*

**Presenter:** HAYATO, Yoshinari

**Session Classification:** Tuesday

Contribution ID: 44

Type: **not specified**

## NUWRO

*Tuesday, 16 October 2018 11:00 (30 minutes)*

**Presenter:** SOBCZYK, Jan

**Session Classification:** Tuesday

Contribution ID: 45

Type: **not specified**

## GiBUU

*Tuesday, 16 October 2018 11:30 (30 minutes)*

**Presenter:** MOSEL, Ulrich

**Session Classification:** Tuesday

Contribution ID: 46

Type: **not specified**

## FLUKA

*Tuesday, 16 October 2018 12:00 (30 minutes)*

**Presenter:** SALA, Paola

**Session Classification:** Tuesday

Contribution ID: 47

Type: **not specified**

## How Well are MINER $\nu$ A $1\pi$ Results Modeled?

*Tuesday, 16 October 2018 14:00 (40 minutes)*

**Presenter:** BERCELLIE, Aaron

**Session Classification:** Tuesday



Contribution ID: 48

Type: **not specified**

## **MINERνA Low-Recoil Tune and its Implications**

*Tuesday, 16 October 2018 15:30 (30 minutes)*

**Presenter:** LU, Xianguo

**Session Classification:** Tuesday

Contribution ID: 49

Type: **not specified**

## **CC0 $\pi$ in the Medium Energy Beam in MINER $\nu$ A**

*Tuesday, 16 October 2018 14:40 (25 minutes)*

**Presenter:** KLEYKAMP, Jeffrey

**Session Classification:** Tuesday

Contribution ID: 50

Type: **not specified**

## **Transverse Kinematic Imbalance in Minerva: Past, Present, and Future**

*Tuesday, 16 October 2018 15:05 (25 minutes)*

**Presenter:** FINE, Rob

**Session Classification:** Tuesday

Contribution ID: 51

Type: **not specified**

## **What Can MINERVA Say about the EMC Effect?**

**Presenter:** NORRICK, Anne

**Session Classification:** Tuesday

Contribution ID: 52

Type: **not specified**

## **MicroBooNE detector, modelling and performance**

*Tuesday, 16 October 2018 16:30 (30 minutes)*

**Presenter:** SCHUKRAFT, Anne

**Session Classification:** Tuesday

Contribution ID: 53

Type: **not specified**

## **MicroBooNE charged-current inclusive cross section measurement**

*Tuesday, 16 October 2018 17:00 (25 minutes)*

**Presenter:** DEL TUTTO, Marco

**Session Classification:** Tuesday

Contribution ID: 54

Type: **not specified**

## **MicroBooNE charged-current neutral pion cross section measurement**

*Tuesday, 16 October 2018 17:25 (25 minutes)*

**Presenter:** MOUSSEAU, Joel

**Session Classification:** Tuesday

Contribution ID: 55

Type: **not specified**

## **MicroBooNE electron neutrino inclusive cross section**

*Tuesday, 16 October 2018 17:50 (25 minutes)*

**Presenter:** HILL, Colton

**Session Classification:** Tuesday



Contribution ID: 56

Type: **not specified**

## **MicroBooNE charged-current analyses with final state protons**

*Tuesday, 16 October 2018 18:15 (25 minutes)*

**Presenter:** CASTILLO FERNANDEZ, Raquel

**Session Classification:** Tuesday

Contribution ID: 57

Type: **not specified**

## **Coherent Elastic Neutrino Nucleus Scattering, and COHERENT results**

*Wednesday, 17 October 2018 09:00 (50 minutes)*

**Presenter:** SCHOLBERG, Kate

**Session Classification:** Wednesday

Contribution ID: 58

Type: **not specified**

## **report on COHERENT results**

**Presenter:** TBA

**Session Classification:** Wednesday

Contribution ID: 59

Type: **not specified**

## **KDAR & ISODAR**

*Wednesday, 17 October 2018 09:50 (40 minutes)*

**Presenter:** SPITZ, Joshua

**Session Classification:** Wednesday

Contribution ID: **60**

Type: **not specified**

## **Impact of cross section modelling on $\text{NO}\nu\text{A}$ oscillation analyses**

*Wednesday, 17 October 2018 11:00 (30 minutes)*

**Presenter:** WOLCOTT, Jeremy

**Session Classification:** Wednesday

Contribution ID: 61

Type: **not specified**

## **Status and Results of Semi-exclusive scattering measurements in $\text{NO}\nu\text{A}$**

*Wednesday, 17 October 2018 11:30 (30 minutes)*

**Presenter:** ALIAGA, Leo

**Session Classification:** Wednesday

Contribution ID: **62**

Type: **not specified**

## **Status of Inclusive scattering measurements in $NO\nu A$**

*Wednesday, 17 October 2018 12:00 (30 minutes)*

**Presenter:** JUDAH, Matt

**Session Classification:** Wednesday

Contribution ID: **63**

Type: **not specified**

## **Introduction to theoretical uncertainties**

*Wednesday, 17 October 2018 14:00 (15 minutes)*

**Presenter:** ANKOWSKI, Artur

**Session Classification:** Wednesday



Contribution ID: 64

Type: **not specified**

## **Lepton-nucleus cross sections within the CRPA approach**

*Wednesday, 17 October 2018 14:15 (25 minutes)*

**Presenter:** PANDEY, Vishvas

**Session Classification:** Wednesday

Contribution ID: 65

Type: **not specified**

## **Comparison of lepton-nucleus scattering models in the QE region**

*Wednesday, 17 October 2018 14:40 (25 minutes)*

**Presenter:** SOBCZYK, Joanna

**Session Classification:** Wednesday

Contribution ID: 66

Type: **not specified**

## **Theoretical uncertainty of quasielastic neutrino cross sections from superscaling with relativistic effective mass**

*Wednesday, 17 October 2018 15:05 (25 minutes)*

**Presenter:** AMARO, Jose Enrique

**Session Classification:** Wednesday

Contribution ID: 67

Type: **not specified**

# Hadron Production Overview of Current and Future Projects

*Wednesday, 17 October 2018 15:30 (40 minutes)*

**Presenter:** PAVIN, Matej

**Session Classification:** Wednesday

Contribution ID: **68**

Type: **not specified**

## **The T2K Flux Prediction**

*Wednesday, 17 October 2018 16:40 (25 minutes)*

**Presenter:** VLADISAVLJEVIC, Tomislav

**Session Classification:** Wednesday

Contribution ID: **69**

Type: **not specified**

## **The DUNE Flux Prediction**

*Wednesday, 17 October 2018 17:30 (20 minutes)*

**Presenter:** BISHAI, Mary

**Session Classification:** Wednesday

Contribution ID: 70

Type: **not specified**

## MINERvA Adventures in Flux \newline Determination

*Wednesday, 17 October 2018 17:05 (25 minutes)*

**Presenter:** JENA, Deepika

**Session Classification:** Wednesday

Contribution ID: 71

Type: **not specified**

## Status of ENUBET

*Wednesday, 17 October 2018 17:50 (20 minutes)*

**Presenter:** LONGHIN, Andrea

**Session Classification:** Wednesday



Contribution ID: 72

Type: **not specified**

## **Ab initio theoretical approaches**

*Thursday, 18 October 2018 09:30 (30 minutes)*

**Presenter:** ROCCO, Noemi

**Session Classification:** Thursday

Contribution ID: 73

Type: **not specified**

## **Relativistic Corrections within the Integral Transform Approach**

*Thursday, 18 October 2018 09:00 (30 minutes)*

**Presenter:** ORLANDINI, Giuseppina

**Session Classification:** Thursday

Contribution ID: 74

Type: **not specified**

## **SuSAv2-MEC analysis of recent T2K and MINERvA measurements**

*Thursday, 18 October 2018 10:00 (30 minutes)*

**Presenter:** MEGIAS, Guillermo

**Session Classification:** Thursday

Contribution ID: 75

Type: **not specified**

## **Neutrino-nucleus reactions on oxygen and carbon for supernova neutrino detection**

*Thursday, 18 October 2018 11:20 (30 minutes)*

**Presenter:** SUZUKI, Toshio

**Session Classification:** Thursday

Contribution ID: 76

Type: **not specified**

## **Detection of Supernova Neutrinos at SK**

*Thursday, 18 October 2018 11:50 (30 minutes)*

**Presenter:** TAKEDA, Atsushi

**Session Classification:** Thursday

Contribution ID: 77

Type: **not specified**

## **KDAR & ISODAR**

**Presenter:** SPITZ, Josh

**Session Classification:** Thursday

Contribution ID: 78

Type: **not specified**

## **JLab E12-14-012 Experiment**

*Thursday, 18 October 2018 14:15 (30 minutes)*

**Presenter:** DAI, Hongxia

**Session Classification:** Thursday

Contribution ID: 79

Type: **not specified**

## Electrons for Neutrinos

*Thursday, 18 October 2018 14:45 (30 minutes)*

**Presenter:** PAPADOPOULOU, Afroditi

**Session Classification:** Thursday



Contribution ID: **80**

Type: **not specified**

# ArgoNeuT

*Thursday, 18 October 2018 15:15 (30 minutes)*

**Presenter:** SZELC, Andrzej

**Session Classification:** Thursday

Contribution ID: **81**

Type: **not specified**

## **LArIAT**

*Thursday, 18 October 2018 15:45 (30 minutes)*

**Presenter:** GRAMELLINI, Elena

**Session Classification:** Thursday

Contribution ID: **82**

Type: **not specified**

## **ANNIE**

*Thursday, 18 October 2018 16:45 (30 minutes)*

**Presenter:** EISCH, Jonathan

**Session Classification:** Thursday

Contribution ID: **83**

Type: **not specified**

## **NINJA**

*Thursday, 18 October 2018 17:15 (30 minutes)*

**Presenter:** FUKUDA, Tsutomu

**Session Classification:** Thursday

Contribution ID: **84**

Type: **not specified**

## **Hyper-Kamiokande/NuPRISM/TITUS**

**Presenter:** DE ROSA, Gianfranca

**Session Classification:** Thursday

Contribution ID: **85**

Type: **not specified**

## **SBND**

*Friday, 19 October 2018 09:00 (30 minutes)*

**Presenter:** SZELC, Andrzej

**Session Classification:** Friday

Contribution ID: **86**

Type: **not specified**

## **CAPTAIN**

*Friday, 19 October 2018 09:30 (30 minutes)*

**Presenter:** MAUGER, Christopher

**Session Classification:** Friday

Contribution ID: **87**

Type: **not specified**

## **nuSTORM**

*Friday, 19 October 2018 10:00 (30 minutes)*

**Presenter:** LONG, Ken

**Session Classification:** Friday



Contribution ID: **88**

Type: **not specified**

## **Summary of the ECT\* Workshop on Modeling Neutrino Interactions**

*Friday, 19 October 2018 11:30 (30 minutes)*

**Presenter:** HARRIS, Deborah

**Session Classification:** Friday

Contribution ID: 89

Type: **not specified**

## **Summary of NuSTEC Workshop on Shallow- and Deep-Inelastic Neutrino-Nucleus Scattering**

*Friday, 19 October 2018 12:00 (30 minutes)*

**Presenter:** BRONNER, Christophe

**Session Classification:** Friday

Contribution ID: **90**

Type: **not specified**

## Summary Talks

**Session Classification:** Friday

Contribution ID: **91**

Type: **not specified**

**TBA**

**Session Classification:** Friday

Contribution ID: 92

Type: **not specified**

## Summary Talks

**Session Classification:** Friday

Contribution ID: 93

Type: **not specified**

## **Generators: Summary & Outlook**

*Friday, 19 October 2018 14:00 (35 minutes)*

**Presenter:** HAYATO, Yoshinari (University of Tokyo (JP))

**Session Classification:** Friday

Contribution ID: 94

Type: **not specified**

## **From low to high $Q^2$ : comparisons with preliminary results from JLab E04-001**

*Thursday, 18 October 2018 14:00 (15 minutes)*

**Presenter:** ANKOWSKI, Artur

**Session Classification:** Thursday

Contribution ID: 95

Type: **not specified**

## **T2K parametrization and model development**

*Monday, 15 October 2018 14:40 (20 minutes)*

**Presenter:** KABIRNEZHAD, Minoo

**Session Classification:** Monday



Contribution ID: **96**

Type: **not specified**

## **ND280 Upgrade**

**Presenter:** BORDONI, Stefania

**Session Classification:** Monday

Contribution ID: 97

Type: **not specified**

## **T2K: NC $\nu$ -O Scattering in SK + SK Gd Prospects**

*Thursday, 18 October 2018 11:00 (20 minutes)*

**Presenter:** FUKUDA, Daisuke

**Session Classification:** Thursday

Contribution ID: **98**

Type: **not specified**

## **T2K: CC $0\pi$ + CC $1\pi$ on-axis**

*Thursday, 18 October 2018 17:45 (20 minutes)*

**Presenter:** QUILAIN, Benjamin

**Session Classification:** Thursday

Contribution ID: 99

Type: **not specified**

## **ND280 Upgrade**

*Friday, 19 October 2018 11:00 (30 minutes)*

**Presenter:** BORDONI, Stefania

**Session Classification:** Friday

Contribution ID: **100**

Type: **not specified**

## **Theory: Summary & Outlook**

*Friday, 19 October 2018 14:35 (35 minutes)*

**Presenter:** PANDEY, Vishvas (Virginia Poly. Inst. & State Univ. (US))

**Session Classification:** Friday

Contribution ID: **101**

Type: **not specified**

## **Experiments: Summary & Outlook**

*Friday, 19 October 2018 15:10 (35 minutes)*

**Presenter:** MC FARLAND, Kevin (University of Rochester (US))

**Session Classification:** Friday

Contribution ID: **102**

Type: **not specified**

## **Announcement of NUINT 2020**

*Friday, 19 October 2018 15:45 (10 minutes)*

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

**Session Classification:** Friday

Contribution ID: **103**

Type: **not specified**

## Closing

*Friday, 19 October 2018 15:55 (5 minutes)*

**Session Classification:** Friday