

NuInt 17: 11th International Workshop on Neutrino-Nucleus Scattering in the Few-GeV Region



Report of Contributions

Contribution ID: 67

Type: **not specified**

Welcome

Sunday, 25 June 2017 09:00 (15 minutes)

Presenter: Prof. JAYAWARDHANA, Ray (York University)

Session Classification: Welcome and Introductory Talks

Contribution ID: **68**

Type: **not specified**

Welcome from Organizers

Sunday, 25 June 2017 09:15 (15 minutes)

Presenters: Mr TANAKA, hirohisa (University of Toronto/IPP/TRIUMF); Prof. BHADRA, sampa (York University)

Session Classification: Welcome and Introductory Talks

Contribution ID: **69**

Type: **not specified**

NuSTEC status

Sunday, 25 June 2017 09:30 (20 minutes)

Presenter: MORFIN, Jorge (Fermilab)

Session Classification: Welcome and Introductory Talks

Contribution ID: 70

Type: **not specified**

Highlights from the NuSTEC Newsletter

Sunday, 25 June 2017 09:50 (40 minutes)

Presenter: Dr KATORI, Teppei (Queen Mary University of London)

Session Classification: Welcome and Introductory Talks

Contribution ID: 71

Type: **not specified**

Neutrino interactions outside the oscillation program

Sunday, 25 June 2017 10:55 (40 minutes)

Presenter: POSPELOV, maxim

Session Classification: Theory of Neutrino-Nucleus Scattering

Contribution ID: 72

Type: **not specified**

Elementary Amplitudes

Sunday, 25 June 2017 16:15 (40 minutes)

Presenter: SHANAHAN, Phiala

Session Classification: Theory of Neutrino-Nucleus Scattering

Contribution ID: 73

Type: **not specified**

Nuclear cross sections in the quasi-elastic peak

Sunday, 25 June 2017 11:35 (40 minutes)

Presenters: Dr CARLSON, Joe; Mr CARLSON, Joseph (LANL)

Session Classification: Theory of Neutrino-Nucleus Scattering

Contribution ID: 74

Type: **not specified**

Impact on Oscillation Analyses

Presenter: HUBER, Patrick (Virgina Tech)

Contribution ID: 75

Type: **not specified**

NOvA: Impact of cross section uncertainties in the oscillation analysis

Sunday, 25 June 2017 13:40 (35 minutes)

Presenter: WOLCOTT, Jeremy (Tufts University)

Session Classification: Systematic Uncertainties and Impact on Oscillation Measurements

Contribution ID: 76

Type: **not specified**

T2K: Impact of Cross Section uncertainties on the oscillation analysis

Sunday, 25 June 2017 14:15 (35 minutes)

Presenter: DENNIS, Steve (University of Liverpool)

Session Classification: Systematic Uncertainties and Impact on Oscillation Measurements

Contribution ID: 77

Type: **not specified**

Systematics related to q0-q3 determination

Sunday, 25 June 2017 15:45 (30 minutes)

Presenter: GRAN, Rik (University)

Session Classification: Systematic Uncertainties and Impact on Oscillation Measurements

Contribution ID: 78

Type: **not specified**

ν_e/ν_{μ} cross section differences and their impact on oscillation analyses

Sunday, 25 June 2017 14:50 (35 minutes)

Presenter: MCFARLAND, Kevin

Session Classification: Systematic Uncertainties and Impact on Oscillation Measurements

Contribution ID: 79

Type: **not specified**

DIS Ratio measurement from MINERvA

Monday, 26 June 2017 09:00 (20 minutes)

Presenter: Ms NORRICK, Anne (The College of William and Mary)

Session Classification: Shallow Inelastic, Deep Inelastic and Inclusive Scattering

Contribution ID: **80**

Type: **not specified**

nubar/nu Ratio measurement at MINERvA

Monday, 26 June 2017 09:20 (20 minutes)

Primary author: RIMAL, Dipak (University of Florida)

Presenters: RIMAL, Dipak (University of Florida); Prof. NELSON, Jeff (William & Mary)

Session Classification: Shallow Inelastic, Deep Inelastic and Inclusive Scattering

Contribution ID: **81**

Type: **not specified**

MicroBooNE Overview

Monday, 26 June 2017 09:40 (20 minutes)

Presenter: Dr FURMANSKI, Andrew (University of Manchester)

Session Classification: Shallow Inelastic, Deep Inelastic and Inclusive Scattering

Contribution ID: 82

Type: **not specified**

Muon neutrino inclusive CC cross section measurement on carbon and carbon/oxygen ratio at T2K

Monday, 26 June 2017 10:00 (20 minutes)

Presenter: GARCIA, Alfonso (IFAE Barcelona)

Session Classification: Shallow Inelastic, Deep Inelastic and Inclusive Scattering

Contribution ID: 83

Type: **not specified**

Current and future measurements with electron neutrinos and electron anti-neutrinos in the T2K off-axis near detector

Monday, 26 June 2017 10:20 (20 minutes)

Presenter: KING, Sophie (Queen Mary University London)

Session Classification: Shallow Inelastic, Deep Inelastic and Inclusive Scattering

Contribution ID: **84**

Type: **not specified**

Inclusive numu and nue CC measurements at NOvA

Monday, 26 June 2017 11:00 (25 minutes)

Presenter: Dr PALEY, Jonathan (Fermilab)

Session Classification: Shallow Inelastic, Deep Inelastic and Inclusive Scattering

Contribution ID: 85

Type: **not specified**

Global analysis from DIS to the small-Q2 region

Monday, 26 June 2017 11:25 (20 minutes)

Presenter: Prof. KUMANO, Shunzo (KEK)

Session Classification: Shallow Inelastic, Deep Inelastic and Inclusive Scattering

Contribution ID: **86**

Type: **not specified**

Nuclear medium effects on structure functions

Thursday, 29 June 2017 09:00 (20 minutes)

Presenter: HAIDER, Huma (Aligarh Muslim University)

Session Classification: Shallow Inelastic, Deep Inelastic and Inclusive Scattering

Contribution ID: 87

Type: **not specified**

Global analysis of nuclear PDFs

Presenter: KEPPEL, Cynthia (JLAB, Hampton University)

Contribution ID: **88**

Type: **not specified**

Hadron production overview

Monday, 26 June 2017 13:30 (30 minutes)

Presenter: Prof. MARINO, Alysia (University of Colorado, Boulder)

Session Classification: Neutrino Flux Calculations and Measurements

Contribution ID: **89**

Type: **not specified**

The DUNE Flux Prediction

Monday, 26 June 2017 14:00 (20 minutes)

Presenter: Mr BASHYAL, Amit (Oregon State University)

Session Classification: Neutrino Flux Calculations and Measurements

Contribution ID: **90**

Type: **not specified**

The NuMI Flux Prediction

Monday, 26 June 2017 14:20 (25 minutes)

Presenter: Dr ALIAGA SOPLIN, Leonidas (Fermilab)

Session Classification: Neutrino Flux Calculations and Measurements

Contribution ID: **91**

Type: **not specified**

The T2K Flux Prediction

Monday, 26 June 2017 14:45 (25 minutes)

Presenter: KOWALIK, Katarzyna (Warsaw)

Session Classification: Neutrino Flux Calculations and Measurements

Contribution ID: 92

Type: **not specified**

Future Hadron Production Measurements

Monday, 26 June 2017 15:30 (20 minutes)

Presenter: Dr HARTZ, Mark (Kavli IPMU (WPI), University of Tokyo/TRIUMF)

Session Classification: Neutrino Flux Calculations and Measurements

Contribution ID: **93**

Type: **not specified**

Enubet

Monday, 26 June 2017 15:50 (20 minutes)

Presenter: LONGHIN, Andrea (INFN)

Session Classification: Neutrino Flux Calculations and Measurements

Contribution ID: 94

Type: **not specified**

Electron scattering with ab initio approaches

Monday, 26 June 2017 16:10 (25 minutes)

Presenter: Dr LOVATO, Alessandro (Argonne National Laboratory)

Session Classification: Electron Scattering and Other Non-neutrino Measurements

Contribution ID: 95

Type: **not specified**

Electron scattering with the Super Scaling Approach

Monday, 26 June 2017 16:35 (25 minutes)

Presenter: Prof. CABALLERO, Juan Antonio (University of Seville)

Session Classification: Electron Scattering and Other Non-neutrino Measurements

Contribution ID: **96**

Type: **not specified**

Pion Photoproduction

Tuesday, 27 June 2017 10:10 (25 minutes)

Presenter: HILLER BLIN, Astrid Nathalie (IFIC)

Session Classification: Electron Scattering and Other Non-neutrino Measurements

Contribution ID: 97

Type: **not specified**

Short Range Correlations in Heavy Nuclei

Tuesday, 27 June 2017 10:55 (25 minutes)

Presenter: HEN, Or (MIT)

Session Classification: Electron Scattering and Other Non-neutrino Measurements

Contribution ID: 98

Type: **not specified**

Determination of the axial mass parameter and proton charge radius

Tuesday, 27 June 2017 11:20 (25 minutes)

Consider for Talk

Yes

Presenter: PAZ, Gil (Wayne State University)

Session Classification: Electron Scattering and Other Non-neutrino Measurements

Contribution ID: 99

Type: **not specified**

R ratio measurements from JLAB

Tuesday, 27 June 2017 11:45 (25 minutes)

We present results on the nuclear dependence ratio of R , the longitudinal and transverse structure function ratio. We present results on the difference between R_A (nucleus) and R_D (deuterium) for Carbon ($R_C - R_D$), Aluminum ($R_{AL} - R_D$), Iron ($R_{Fe} - R_D$) and Copper ($R_{Cu} - R_C$) for $Q^2=2, 3$, and 4 GeV^2 from electron scattering experiments at Jefferson Lab.

Consider for Talk

Yes

Primary author: BODEK, Arie (University of Rochester)**Presenter:** BODEK, Arie (University of Rochester)**Session Classification:** Electron Scattering and Other Non-neutrino Measurements**Track Classification:** Electron Scattering and Other Non-neutrino Measurements

Contribution ID: **100**

Type: **not specified**

Measurement of the Spectral Function of ^{40}Ar

Sunday, 25 June 2017 16:55 (25 minutes)

Presenter: MARIANI, Camillo (Virginia Tech)

Session Classification: Electron Scattering and Other Non-neutrino Measurements

Contribution ID: **101**

Type: **not specified**

Pion scattering and secondary interactions

Tuesday, 27 June 2017 09:25 (25 minutes)

Presenter: PINZON GUERRA, Elder

Session Classification: Electron Scattering and Other Non-neutrino Measurements

Contribution ID: **102**

Type: **not specified**

Pion scattering at LAriAT

Tuesday, 27 June 2017 09:50 (20 minutes)

Presenters: Prof. ASAADI, Jonathan (University of Texas Arlington); ASAADI, Jonathan (University of Texas at Arlington)

Session Classification: Electron Scattering and Other Non-neutrino Measurements

Contribution ID: **103**

Type: **not specified**

Pion production at the nucleon level: resonances and continuum

Tuesday, 27 June 2017 13:30 (20 minutes)

Presenter: KABIRNEZHAD, monireh (NCBJ)

Session Classification: Neutrino Pion Production and Other Inelastic Interactions

Contribution ID: **104**

Type: **not specified**

Pion Production at the Nucleon Level

Tuesday, 27 June 2017 13:50 (20 minutes)

Presenter: Dr HERNANDEZ, Eliecer (Universidad de Salamanca)

Session Classification: Neutrino Pion Production and Other Inelastic Interactions

Contribution ID: **105**

Type: **not specified**

Pion production at the nucleon level: from low to high W

Tuesday, 27 June 2017 14:10 (20 minutes)

Presenter: Dr GONZALEZ JIMENEZ, Raul (Ghent University)

Session Classification: Neutrino Pion Production and Other Inelastic Interactions

Contribution ID: **106**

Type: **not specified**

Nuclear Effects in Pion Production/Resonance Region

Tuesday, 27 June 2017 14:30 (25 minutes)

Presenter: NIEVES PAMPLONA, Juan Miguel (IFIC)

Session Classification: Neutrino Pion Production and Other Inelastic Interactions

Contribution ID: **107**

Type: **not specified**

Analysis of bubble chamber data on neutrino-induced pion production off the deuteron

Tuesday, 27 June 2017 14:55 (20 minutes)

Presenter: Dr NAKAMURA, Satoshi (Osaka University)

Session Classification: Neutrino Pion Production and Other Inelastic Interactions

Contribution ID: **108**

Type: **not specified**

Pion production measurements at T2K

Tuesday, 27 June 2017 15:15 (20 minutes)

Presenter: Dr BATKIEWICZ, Marcela (Institute of Nuclear Physics PAN)

Session Classification: Neutrino Pion Production and Other Inelastic Interactions

Contribution ID: **109**

Type: **not specified**

Pion production measurements at MINERvA

Tuesday, 27 June 2017 15:55 (20 minutes)

Presenter: RAMIREZ DELGADO, Manuel Alejandro (Universidad de Guanajuato)

Session Classification: Neutrino Pion Production and Other Inelastic Interactions

Contribution ID: **110**

Type: **not specified**

Pion production measurements at NOvA

Tuesday, 27 June 2017 16:15 (20 minutes)

Presenter: DUYANG, Hongyue (University of South Carolina)

Session Classification: Neutrino Pion Production and Other Inelastic Interactions

Contribution ID: **111**

Type: **not specified**

ArgoNeuT Charged single pion production measurement

Tuesday, 27 June 2017 16:35 (20 minutes)

Presenter: YANG, Tingjun (FNAL)

Session Classification: Neutrino Pion Production and Other Inelastic Interactions

Contribution ID: **112**

Type: **not specified**

Neutrino event generator status

Wednesday, 28 June 2017 09:00 (25 minutes)

Presenter: DYTMAN, Steve (University of Pittsburgh)

Session Classification: Neutrino Interaction Generators

Contribution ID: **113**

Type: **not specified**

Status of the NuWRO event generator

Wednesday, 28 June 2017 09:25 (25 minutes)

Presenter: NIEWCZAS, Kajetan (Wroclaw/Ghent University)

Session Classification: Neutrino Interaction Generators

Contribution ID: **114**

Type: **not specified**

Status of Genie event generator

Wednesday, 28 June 2017 09:50 (25 minutes)

Presenter: WOLCOTT, Jeremy (Tufts university)

Session Classification: Neutrino Interaction Generators

Contribution ID: **115**

Type: **not specified**

Status of Neut event generator

Wednesday, 28 June 2017 10:45 (25 minutes)

Presenter: Dr HAYATO, Yoshinari (Kamioka obs., ICRR, Univ. of Tokyo)

Session Classification: Neutrino Interaction Generators

Contribution ID: **116**

Type: **not specified**

Status of GiBUU

Wednesday, 28 June 2017 11:10 (25 minutes)

Presenter: Prof. MOSEL, Ulrich (University of Giessen)

Session Classification: Neutrino Interaction Generators

Contribution ID: **117**

Type: **not specified**

NUISANCE

Wednesday, 28 June 2017 11:35 (25 minutes)

Presenter: Mr WRET, Clarence (Imperial College London)

Session Classification: Neutrino Interaction Generators

Contribution ID: **118**

Type: **not specified**

PYTHIA

Contribution ID: **119**

Type: **not specified**

Neutrino charged current pionless cross section measurements from T2K

Thursday, 29 June 2017 09:20 (25 minutes)

Presenter: Mr DOLAN, Stephen (University of Oxford)

Session Classification: Neutrino CC and NC Scattering without Pion Production

Contribution ID: 120

Type: **not specified**

Neutrino charged current pionless cross section measurements from MINERvA (I)

Thursday, 29 June 2017 09:45 (20 minutes)

Presenter: Dr BETANCOURT, Minerba (Fermilab)

Session Classification: Neutrino CC and NC Scattering without Pion Production

Contribution ID: **121**

Type: **not specified**

Neutrino charged current pionless cross section measurements from MINERvA (II)

Thursday, 29 June 2017 10:05 (20 minutes)

Presenter: Dr RUTERBORIES, Daniel (University of Rochester)

Session Classification: Neutrino CC and NC Scattering without Pion Production

Contribution ID: 122

Type: **not specified**

Validation of neutrino energy estimation using electron scattering

Thursday, 29 June 2017 10:25 (25 minutes)

Presenters: Mr COHEN, Erez (Tel Aviv University); Mrs KHACHATRYAN, Mariana (Old Dominion University)

Session Classification: Neutrino CC and NC Scattering without Pion Production

Contribution ID: 123

Type: **not specified**

Correlations in quasielastic-like neutrino-nucleus interactions

Thursday, 29 June 2017 11:10 (25 minutes)

Presenter: Prof. JACHOWICZ, natalie (Ghent University)

Session Classification: Neutrino CC and NC Scattering without Pion Production

Contribution ID: 124

Type: **not specified**

Weak quasi-elastic production of single hyperons from nucleons and nuclei

Thursday, 29 June 2017 11:35 (20 minutes)

Presenter: Prof. ATHAR, Mohammad Sajjad (Department of Physics, Aligarh Muslim University, Aligarh)

Session Classification: Neutrino CC and NC Scattering without Pion Production

Contribution ID: **125**

Type: **not specified**

SBND

Thursday, 29 June 2017 13:30 (20 minutes)

Presenters: ANDREOPOULOS, Costas (Liverpool); Dr ANDREOPOULOS, Costas (University of Liverpool and STFC/RAL)

Session Classification: Future Experiments

Contribution ID: **126**

Type: **not specified**

The DUNE Near Detector

Thursday, 29 June 2017 13:50 (20 minutes)

Presenter: MANLY, steven (University of Rochester)

Session Classification: Future Experiments

Contribution ID: **127**

Type: **not specified**

High Pressure TPC R&D

Thursday, 29 June 2017 14:10 (20 minutes)

Presenter: MARTIN-ALBO, Justo (University of Oxford)

Session Classification: Future Experiments

Contribution ID: **128**

Type: **not specified**

J-PARC Intermediate Water Cherenkov Detector

Thursday, 29 June 2017 14:30 (20 minutes)

Presenter: JAMIESON, blair (University of Winnipeg)

Session Classification: Future Experiments

Contribution ID: **129**

Type: **not specified**

ANNIE

Thursday, 29 June 2017 14:50 (20 minutes)

Presenter: Mr O'FLAHERTY, Marcus (University of Sheffield)

Session Classification: Future Experiments

Contribution ID: **130**

Type: **not specified**

NINJA

Thursday, 29 June 2017 15:10 (20 minutes)

Presenter: Dr FUKUDA, Tsutomu (Nagoya University)

Session Classification: Future Experiments

Contribution ID: **131**

Type: **not specified**

T2K ND280 upgrade

Thursday, 29 June 2017 16:00 (20 minutes)

Presenter: YOKOYAMA, Masashi (University of Tokyo)

Session Classification: Future Experiments

Contribution ID: **132**

Type: **not specified**

WAGASCI

Thursday, 29 June 2017 16:20 (20 minutes)

Presenter: MINAMINO, Akihiro (Yokohama National University)

Session Classification: Future Experiments

Contribution ID: **133**

Type: **not specified**

The CERN Neutrino Platform

Thursday, 29 June 2017 16:40 (20 minutes)

Presenters: DE ROECK, Albert (CERN); ALBERT, De Roeck (CERN)

Session Classification: Future Experiments

Contribution ID: **134**

Type: **not specified**

Low Energy Neutrino Experiment Overview

Friday, 30 June 2017 09:00 (25 minutes)

Presenter: O'SULLIVAN, Erin (Stockholm University)

Session Classification: Low Energy Neutrino Scattering

Contribution ID: **135**

Type: **not specified**

Supernova Fluxes

Friday, 30 June 2017 09:25 (25 minutes)

Presenter: O'CONNOR, Evan (Stockholm University)

Session Classification: Low Energy Neutrino Scattering

Contribution ID: **136**

Type: **not specified**

The COHERENT Experiment

Friday, 30 June 2017 11:40 (20 minutes)

Consider for Talk

Yes

Presenter: COLLAR, Juan (University of Chicago)

Session Classification: Low Energy Neutrino Scattering

Track Classification: Low Energy Neutrino Scattering

Contribution ID: **137**

Type: **not specified**

Neutrino measurements relevant to gA quenching

Friday, 30 June 2017 09:50 (20 minutes)

Presenter: PASTORE, Saori (Los Alamos National Laboratory)

Session Classification: Low Energy Neutrino Scattering

Contribution ID: **138**

Type: **not specified**

Low energy argon cross section simulations

Friday, 30 June 2017 11:00 (20 minutes)

Presenter: GARDINER, Steven (University of California, Davis)

Session Classification: Low Energy Neutrino Scattering

Contribution ID: **139**

Type: **not specified**

Argon cross section measurements

Friday, 30 June 2017 11:20 (20 minutes)

Presenter: Prof. COOPER, Robert (New Mexico State University)

Session Classification: Low Energy Neutrino Scattering

Contribution ID: **141**

Type: **not specified**

Poster Session Winner 1

Friday, 30 June 2017 13:30 (15 minutes)

Presenter: Mr DOLAN, Stephen (University of Oxford)

Session Classification: poster presentation/nustec

Contribution ID: **142**

Type: **not specified**

Poster Session Winner 2

Contribution ID: **143**

Type: **not specified**

Experimental Summary

Friday, 30 June 2017 14:10 (40 minutes)

Presenter: HARRIS, Deborah (Fermilab)

Contribution ID: **144**

Type: **not specified**

Theoretical Summary

Friday, 30 June 2017 15:10 (40 minutes)

Presenter: Prof. MOSEL, Ulrich (University of Giessen)

Contribution ID: **145**

Type: **not specified**

Outlook to 2020

Friday, 30 June 2017 15:50 (40 minutes)

Presenter: SANCHEZ, Federico (IFAE)

Contribution ID: 146

Type: **not specified**

ARAPUCA light trap for large liquid argon time projection chambers

Tuesday, 27 June 2017 17:50 (20 minutes)

ARAPUCA is a totally innovative device for liquid argon scintillation light detection. It is composed of a passive light collector and of active devices. The latter are standard SiPMs that operate at liquid argon temperature, while the passive collector is a photon trap, which allows to collect light with extremely high efficiency. The total detection efficiency of the device can be tuned by modifying the ratio between the area of the active components (SiPM) and that of the optical window. Few arrays of ARAPUCAs will be installed inside the prototype of the Deep Underground Neutrino Experiment - protoDUNE - and their performances will be compared with those of more standard solutions based on guiding bars. The results of the most recent tests of ARAPUCAs in a liquid argon environment, which led to the actual design for the protoDUNE, will be reported together with the proposal of a photon detection system for the Deep Underground Neutrino Experiment based on ARAPUCAs combined with dielectric mirror foils coated by wavelength-shifter.

Consider for Talk

No

Consider for Poster

Yes

Primary authors: Prof. MACHADO, Ana (Universidade Federal do ABC); Prof. SEGRETO, Ettore (UNICAMP)

Co-author: Dr DA MOTTA, H lio (CBPF)

Presenter: Dr DA MOTTA, H lio (CBPF)

Session Classification: Poster Session

Track Classification: Future Experiments

Contribution ID: **147**

Type: **not specified**

NEUT update

Presenter: Dr HAYATO, Yoshinari (Kamioka obs., ICRR, Univ. of Tokyo)

Contribution ID: **148**Type: **not specified**

R Ratio Measurements from Jlab

We present results on the nuclear dependence ratio of R , the longitudinal and transverse structure function ratio. We present results on the difference between $R_A(\text{nucleus})$ and $R_D(\text{deuterium})$ for Carbon ($R_C - R_D$), Aluminum ($R_{AL} - R_D$), Iron ($R_{Fe} - R_D$) and Copper ($R_{Cu} - R_C$) for $Q^2=2, 3$, and 4 GeV^2 from electron scattering experiments at Jefferson Lab.

Consider for Talk

Yes

Consider for Poster

No

Primary author: BODEK, Arie (University of Rochester)**Presenter:** BODEK, Arie (University of Rochester)**Track Classification:** Electron Scattering and Other Non-neutrino Measurements

Contribution ID: **150**

Type: **not specified**

Gd-relevant measurements

Friday, 30 June 2017 10:10 (20 minutes)

Presenter: Dr LORENZ, Sebastian (Department of Physics, Okayama University)

Session Classification: Low Energy Neutrino Scattering

Contribution ID: **151**

Type: **not specified**

Systematics in Neutrino Oscillation Experiments

Tuesday, 27 June 2017 09:00 (25 minutes)

Presenter: HUBER, Patrick

Session Classification: Systematic Uncertainties and Impact on Oscillation Measurements

Contribution ID: **152**

Type: **not specified**

announcement

Tuesday, 27 June 2017 08:55 (5 minutes)

Presenter: Mr TANAKA, hirohisa (University of Toronto/IPP/TRIUMF)

Session Classification: announcement

Contribution ID: **153**

Type: **not specified**

NuSTEC

Friday, 30 June 2017 13:45 (25 minutes)

Presenter: Prof. JACHOWICZ, natalie (Ghent University)

Session Classification: poster presentation/nustec

Contribution ID: **154**

Type: **not specified**

announcement

Wednesday, 28 June 2017 08:55 (5 minutes)

Presenter: Mr TANAKA, hirohisa (University of Toronto/IPP/TRIUMF)

Session Classification: Announcement

Contribution ID: 155

Type: **not specified**

poster presentation

Thursday, 29 June 2017 17:20 (10 minutes)

Presenter: ELKINS, Miranda (University of Minnesota - Duluth)

Session Classification: Discussion

Contribution ID: 156

Type: **not specified**

Production and radiative decay of heavy neutrinos at the Booster Neutrino Beam

Tuesday, 27 June 2017 17:50 (2 hours)

Presenters: Mr SAUL SALA, Eduardo (Universidad de Valencia); Dr ALVAREZ RUSO, Luis (IFIC)

Session Classification: Poster Session

Contribution ID: **157**

Type: **not specified**

Analyzing the nuclear recoil system in neutrino-nucleus reactions

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: MORRISON, Jacob (Michigan State University)

Session Classification: Poster Session

Contribution ID: **158**

Type: **not specified**

Multinucleon Excitation (2p2h) Model Comparison

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: CUDD, Andrew (Michigan State University)

Session Classification: Poster Session

Contribution ID: 159

Type: **not specified**

ν_{μ} CC-0pi Interactions on Lead in the Near Detector of the T2K Experiment

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: Dr WACHALA, Tomasz (Institute of Nuclear Physics PAN)

Session Classification: Poster Session

Contribution ID: **160**

Type: **not specified**

Constraining The T2K Neutrino Flux with NA61/SHINE Replica Target Data

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: VLADISAVLJEVIC, Tomislav (University of Oxford and Kavli Institute for the Physics and Mathematics of the Universe)

Session Classification: Poster Session

Contribution ID: **161**

Type: **not specified**

NuPRISM detector performance and optimization study

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: YOSHIDA, Tomoyo (Tokyo Institute of Technology)

Session Classification: Poster Session

Contribution ID: **162**

Type: **not specified**

Measurement of gamma rays from giant resonances of ^{16}O and ^{12}C with application to supernova neutrino detection.

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: Mr REEN, Mandeep (Okayama University)

Session Classification: Poster Session

Contribution ID: **163**

Type: **not specified**

Investigations of Cross Section Model and Near Detector Choices for DUNE.

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: CALCUTT, Jake (Michigan State University)

Session Classification: Poster Session

Contribution ID: **164**

Type: **not specified**

Electron neutrino quasi elastic scattering in Minerva

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: HAN, Jiyeon (Pittsburgh university)

Session Classification: Poster Session

Contribution ID: 165

Type: **not specified**

Modeling gamma-rays from the thermal neutron capture on gadolinium based on JPARC-ANNRI data

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: Dr LORENZ, Sebastian (Department of Physics, Okayama University)

Session Classification: Poster Session

Contribution ID: **166**

Type: **not specified**

Progress of the Measurement of the Electron Neutrino Charged-current Inclusive Cross Section in NOvA

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: Dr ALIAGA SOPLIN, Leonidas (Fermilab)

Session Classification: Poster Session

Contribution ID: **167**

Type: **not specified**

An Inclusive Neutral Pion Production in Charged Current Muon Neutrinos Analysis at the NOvA Near Detector

Tuesday, 27 June 2017 17:50 (2 hours)

Session Classification: Poster Session

Contribution ID: **168**

Type: **not specified**

NOvA tuning of the GENIE generator using internal and external data constraints

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: WOLCOTT, Jeremy (Tufts University)

Session Classification: Poster Session

Contribution ID: **169**

Type: **not specified**

Measurement of Neutral Current Coherent Π_0 Production In The NOvA Near Detector

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: DUYANG, Hongyue (University of South Carolina)

Session Classification: Poster Session

Contribution ID: **170**

Type: **not specified**

MINERvA Model to Describe (Anti)Neutrino-Nucleon Scattering

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: Dr RUTERBORIES, Daniel (University of Rochester)

Session Classification: Poster Session

Contribution ID: 171

Type: **not specified**

Measurement of Neutrino Induced Resonance Pion Production in the NOMAD Detector

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: DUYANG, Hongyue (University of South Carolina)

Session Classification: Poster Session

Contribution ID: 172

Type: **not specified**

Measurement of Muon Neutrino Quasi-Elastic-Like Scattering in MINERvA at $E_{\nu} \sim 6$ GeV

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: Dr CARNEIRO, Mateus (Oregon State University)

Session Classification: Poster Session

Contribution ID: 173

Type: **not specified**

Hadron Production Measurements with a Hybrid Emulsion/Electronic Detector

Tuesday, 27 June 2017 17:50 (20 minutes)

Presenters: Dr HARTZ, Mark (Kavli IPMU (WPI), University of Tokyo/TRIUMF); Dr FUKUDA, Tsutomu (Nagoya University)

Session Classification: Poster Session

Contribution ID: 174

Type: **not specified**

Measurement of Deep Inelastic Scattering Cross Section in the MINERvA Detector

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: Ms WOSPAKRIK, Marianne (1986)

Session Classification: Poster Session

Contribution ID: 175

Type: **not specified**

Measurement of gamma ray production from a neutron beam on water

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: NANTAIS, Corina (University of Toronto)

Session Classification: Poster Session

Contribution ID: 176

Type: **not specified**

Identification of nuclear effects in CCQE-like neutrino-hydrocarbon interactions using transverse kinematic imbalances

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: Mr DOLAN, Stephen (University of Oxford)

Session Classification: Poster Session

Contribution ID: 177

Type: **not specified**

Controlling uncertainties in the Short Baseline Neutrino program

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: Dr CASTILLO FERNANDEZ, Raquel (Reserach Associate)

Session Classification: Poster Session

Contribution ID: 178

Type: **not specified**

Improvements to the Pion Secondary Interaction Systematic Uncertainties at T2K

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: Mr YU, Mitchell (York University)

Session Classification: Poster Session

Contribution ID: 179

Type: **not specified**

Tackling the Neutrino Oscillation Problem

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: PAPADOPOULOU, Afroditi (Graduate Student)

Session Classification: Poster Session

Contribution ID: **180**

Type: **not specified**

Quasi-elastic neutrino-argon scattering in a CRPA approach

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: Mr VAN DESSEL, Nils (Ghent University)

Session Classification: Poster Session

Contribution ID: **181**

Type: **not specified**

Hadronic interaction measurements with the Hybrid Emulsion Detector

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: Mr GAMEIL, Khalid (University of British Columbia)

Session Classification: Poster Session

Contribution ID: **182**

Type: **not specified**

Techniques for a Combined Neutrino Flux and Cross Section Unfolding

Tuesday, 27 June 2017 17:50 (20 minutes)

Presenters: Mr MANDALIA, Shivesh (Queen Mary University of London); Dr KATORI, Teppei (Queen Mary University of London)

Session Classification: Poster Session

Contribution ID: **183**

Type: **not specified**

Investigation of multi-nucleon effects and neutron counting in antineutrino-carbon reactions.

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: ELKINS, Miranda (University of Minnesota - Duluth)

Session Classification: Poster Session

Contribution ID: **184**

Type: **not specified**

Neutral Current Single π^0 event rate on water in π^0 Detector at T2K

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: VALLARI, Zoya (Stony Brook University)

Session Classification: Poster Session

Contribution ID: **185**

Type: **not specified**

A New Framework To Extract The Electron Anti-neutrinos Cross Section At The T2K Off-Axis Near

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: Mr SHAKER, Fady (University of Winnipeg)

Session Classification: Poster Session

Contribution ID: **186**

Type: **not specified**

NUISANCE and single pion production on the nucleon

Tuesday, 27 June 2017 17:50 (2 hours)

Presenter: Mr WRET, Clarence (Imperial College London)

Session Classification: Poster Session

Contribution ID: **187**

Type: **not specified**

Progress of the Charged Pion Semi-Inclusive Neutrino Charged-Current Cross Section in NOvA

Tuesday, 27 June 2017 17:50 (2 hours)

Session Classification: Poster Session