



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

## Tuesday, 27 June 2017

### Poster Session (17:50 - 19:50)

| [id] title   | presenter                                 | board |
|--|---|-------|
| [166] Progress of the Measurement of the Electron Neutrino Charged-current Inclusive Cross Section in NOvA                                     | Dr ALIAGA SOPLIN, Leonidas                |       |
| [167] An Inclusive Neutral Pion Production in Charged Current Muon Neutrinos Analysis at the NOvA Near Detector                                |   |       |
| [162] Measurement of gamma rays from giant resonances of $^{16}\text{O}$ and $^{12}\text{C}$ with application to supernova neutrino detection. | Mr REEN, Mandeep                          |       |
| [163] Investigations of Cross Section Model and Near Detector Choices for DUNE.  | CALCUTT, Jake                             |       |
| [177] Controlling uncertainties in the Short Baseline Neutrino program   | Dr CASTILLO FERNANDEZ, Raquel             |       |
| [179] Tackling the Neutrino Oscillation Problem  | PAPADOPOULOU, Afroditi                    |       |
| [178] Improvements to the Pion Secondary Interaction Systematic Uncertainties at T2K   | Mr YU, Mitchell                           |       |
| [176] Identification of nuclear effects in CCQE-like neutrino-hydrocarbon interactions using transverse kinematic imbalances                   | Mr DOLAN, Stephen                         |       |
| [175] Measurement of gamma ray production from a neutron beam on water   | NANTAIS, Corina                           |       |
| [174] Measurement of Deep Inelastic Scattering Cross Section in the MINERvA Detector   | Ms WOSPAKRIK, Marianne                    |       |
| [173] Hadron Production Measurements with a Hybrid Emulsion/Electronic Detector  | Dr HARTZ, Mark<br>Dr FUKUDA, Tsutomu      |       |
| [172] Measurement of Muon Neutrino Quasi-Elastic-Like Scattering in MINERvA at $E_\nu \approx 6$ GeV   | Dr CARNEIRO, Mateus                       |       |
| [171] Measurement of Neutrino Induced Resonance Pion Production in the NOMAD Detector  | DUYANG, Hongyue                           |       |
| [170] MINERvA Model to Describe (Anti)Neutrino-Nucleon Scattering  | Dr RUTERBORIES, Daniel                    |       |
| [182] Techniques for a Combined Neutrino Flux and Cross Section Unfolding  | Mr MANDALIA, Shivesh<br>Dr KATORI, Teppei |       |
| [183] Investigation of multi-nucleon effects and neutron counting in antineutrino-carbon reactions.  | ELKINS, Miranda                           |       |
| [180] Quasi-elastic neutrino-argon scattering in a CRPA approach   | Mr VAN DESSEL, Nils                       |       |
| [181] Hadronic interaction measurements with the Hybrid Emulsion Detector  | Mr GAMEIL, Khalid                         |       |
| [186] NUISANCE and single pion production on the nucleon   | Mr WRET, Clarence                         |       |
| [187] Progress of the Charged Pion Semi-Inclusive Neutrino Charged-Current Cross Section in NOvA   |   |       |
| [184] Neutral Current Single $\text{Pi}^0$ event rate on water in $\text{Pi}^0$ Detector at T2K  | VALLARI, Zoya                             |       |

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| <b>[185] A New Framework To Extract The Electron Anti-neutrinos Cross Section At The T2K Off-Axis Near</b>               | Mr SHAKER, Fady                                |  |
| <b>[168] NOvA tuning of the GENIE generator using internal and external data constraints</b>                             | WOLCOTT, Jeremy                                |  |
| <b>[169] Measurement of Neutral Current Coherent <math>\pi_0</math> Production In The NOvA Near Detector</b>             | DUYANG, Hongyue                                |  |
| <b>[164] Electron neutrino quasi elastic scattering in Minerva</b>   | HAN, Jiyeon                                    |  |
| <b>[165] Modeling gamma-rays from the thermal neutron capture on gadolinium based on JPARC-ANNRI data</b>                | Dr LORENZ, Sebastian                           |  |
| <b>[160] Constraining The T2K Neutrino Flux with NA61/SHINE Replica Target Data</b>                                      | VLADISAVLJEVIC, Tomislav                       |  |
| <b>[161] NuPRISM detector performance and optimization study</b>   | YOSHIDA, Tomoyo                                |  |
| <b>[157] Analyzing the nuclear recoil system in neutrino-nucleus reactions</b>   | MORRISON, Jacob                                |  |
| <b>[156] Production and radiative decay of heavy neutrinos at the Booster Neutrino Beam</b>                              | Mr SAUL SALA, Eduardo<br>Dr ALVAREZ RUSO, Luis |  |
| <b>[159] <math>\nu_{\mu}</math> CC-<math>0\pi</math> Interactions on Lead in the Near Detector of the T2K Experiment</b> | Dr WACHALA, Tomasz                             |  |
| <b>[158] Multinucleon Excitation (2p2h) Model Comparison</b>   | CUDD, Andrew                                   |  |
| <b>[146] ARAPUCA light trap for large liquid argon time projection chambers</b>  | Dr DA MOTTA, H elio                            |  |