



# CIPANP 2018 - Thirteenth Conference on the Intersections of Particle and Nuclear Physics

## Tuesday, May 29, 2018

### Neutrino Masses and Neutrino Mixing: Parallel 1 — Neutrino Mass and Astrophysical Neutrinos - South Foyer | Nopales Room (2:00 PM - 3:40 PM)

-Conveners: Daniel Dwyer

time	[id] title	presenter
2:00 PM	[248] The KATRIN Neutrino Mass Measurement: Experiment, Status, and Outlook	Prof. FRANKLIN, Gregg
2:20 PM	[180] Project 8: Cyclotron Radiation Emission Spectroscopy, a New Technique in Direct Neutrino Mass Measurement	Mr ASHTARI ESFAHANI, Ali
2:40 PM	[225] Recent Borexino Measurements of Solar Neutrinos from the pp-Chains with Prospects for Detection of CNO Neutrinos	Prof. CALAPRICE, Frank
3:00 PM	[286] Solar and Supernova Neutrino Detection in the Deep Underground Neutrino Experiment	Ms CONLEY, Erin
3:20 PM	[276] The Myriad Wonders and Challenges of Gd-Loading in WC Detectors	Prof. VAGINS, Mark

### Neutrino Masses and Neutrino Mixing: Parallel 2 — Neutrinoless Double Beta Decay - South Foyer | Nopales Room (4:10 PM - 6:30 PM)

-Conveners: Daniel Dwyer

time	[id] title	presenter
4:10 PM	[140] First $0\nu\beta\beta$ Decay Search Results from CUORE and Status of CUPID R&D	WELLIVER, Bradford
4:40 PM	[62] Status and Initial Results of the Majorana Demonstrator	Dr XU, Wenqin
5:10 PM	[210] LEGEND: The Large Enriched Germanium Experiment for Neutrinoless Double-Beta Decay	Dr MYSLIK, Jordan
5:30 PM	[311] Deep Neural Networks for Energy and Position Reconstruction in EXO-200	Dr WEBER, Manuel
5:50 PM	[150] Status and Future for the NEXT Collaboration in Neutrinoless Double Beta Decay	Dr JOHNSTON, Sereres
6:10 PM	[270] Search for Neutrinoless Double-Beta Decay with SNO+	Dr FISCHER, Vincent

# Wednesday, May 30, 2018

## **Neutrino Masses and Neutrino Mixing: Parallel 3 — Reactor Neutrinos - South Foyer | Nopales Room (2:00 PM - 3:40 PM)**

-Conveners: Andre de Gouvea; Daniel Dwyer

time	[id] title	presenter
2:00 PM	[249] Reactor Neutrino Oscillation at Daya Bay	KRAMER, Matthew
2:30 PM	[285] Latest Results of the Double Chooz Experiment	Mr SOLDIN, Philipp
3:00 PM	[145] PROSPECT: a Precision Reactor Oscillation and SPECTrum Short-Baseline Antineutrino Experiment	Prof. LITTLEJOHN, Bryce
3:20 PM	[22] Accelerator and Reactor Complementarity in Coherent Neutrino-Nucleus Scattering	Dr NEWSTEAD, Jayden

## **Neutrino Masses and Neutrino Mixing: Parallel 4 — Higher Energy Neutrinos - South Foyer | Nopales Room (4:10 PM - 6:30 PM)**

-Conveners: Andre de Gouvea; Daniel Dwyer

time	[id] title	presenter
4:10 PM	[200] Recent Long-Baseline Neutrino Mixing Results from NOvA	BAYS, Kirk
4:40 PM	[310] Neutrino Oscillation Results from the T2K Experiment	VILELA, Cristovao
5:10 PM	[321] The Short Baseline Neutrino Oscillation Program at Fermilab	Dr JOSHI, Jyoti
5:30 PM	[162] Characterizing Single-Phase LArTPC Detector Performance with MicroBooNE	Mr BARNES, Christopher
5:50 PM	[195] Event Reconstruction Techniques for ANNIE Phase II	Dr WANG, Jingbo
6:10 PM	[34] Theia: A Multi-Purpose Water-Based Liquid Scintillator Detector	Dr FISCHER, Vincent

# Thursday, May 31, 2018

## **Neutrino Masses and Neutrino Mixing: Parallel 5 — Double Beta Decay with Final-State Detection | Low-Energy Neutrino Scattering - East Foyer | Larkspur/Mesquite Rooms (2:00 PM - 3:40 PM)**

-Conveners: Andre de Gouvea; Daniel Dwyer

time	[id] title	presenter
2:00 PM	[236] Status of the nEXO Experiment	WU, Shuoxing
2:20 PM	[242] Demonstration of Single Barium Ion Sensitivity for Neutrinoless Double Beta Decay Using Single Molecule Fluorescent Imaging	Dr NYGREN, David Prof. NYGREN, David
2:40 PM	[6] Overview of Decay-At-Rest Neutrino Sources	Dr WINKLEHNER, Daniel
3:00 PM	[264] CEvNS Observation at the SNS with the COHERENT Experiment	Dr TOLSTUKHIN, Ivan
3:20 PM	[146] Recent MiniBooNE Results: First Measurement of Monoenergetic Muon Neutrino Charged Current Interactions and a Search for Vector Portal Dark Matter	FITZPATRICK, Rory

## **Neutrino Masses and Neutrino Mixing: Parallel 6 — LBNE | Neutrino Cross Sections - South Foyer | Nopales Room (4:10 PM - 6:30 PM)**

-Conveners: Andre de Gouvea; Daniel Dwyer

time	[id] title	presenter
4:10 PM	[299] Overview of DUNE	Prof. BIAN, Jianming
4:40 PM	[268] Measurements of Neutrino-Nucleus Scattering from 0.1–10 GeV	MARSHALL, Christopher
5:10 PM	[319] The CAPTAIN Program: Status and Plans	Prof. MAUGER, Christopher
5:30 PM	[201] Neutrino Scattering Studies in MicroBooNE	PAPAVASSILIOU, Vassili
5:50 PM	[284] Hadron Production Measurements for Long-Baseline Neutrino Experiments with NA61/SHINE	Dr NAGAI, Yoshikazu
6:10 PM	[136] Isolating Neutrino Cross Section Uncertainties with Theory	Dr MEYER, Aaron