

Session Program

8-13 Aug 2011



DPF 2011

Neutrino Physics

Rhode Island Convention Center
One Sabin Street Providence, RI 02903

Tuesday 9 August

14:00

Neutrino Physics: Chaired by Jon Urheim

Session | Location: Rhode Island Convention Center, 550 | Conveners: , Sam Zeller

14:00-14:20 **Solar and Atmospheric Neutrino Physics with Super-Kamiokande**
Speaker
 Roger Wendell

14:20-14:40 **Low Energy Neutrino Astronomy in Super-Kamiokande**
Speaker
 Dr Michael Smy

14:40-14:55 **MINOS Electron-neutrino Appearance Analysis**
Speaker
 Dr Xiaobo Huang

14:55-15:15 **Search for Electron Neutrino Appearance in MINOS**
Speaker
 Mr Mhair Orchanian

15:15-15:30 **Electron Antineutrino Appearance in MINOS**
Speaker
 Mr Adam Schreckenberger

15:30

16:00

Neutrino Physics: Chaired by Ed Kearns

Session | Location: Rhode Island Convention Center, 550 | Conveners: Sam Zeller, Edward Kearns,

16:00-16:20
Constraints on non-standard neutrino-matter interactions from MINOS
Speaker
 Zeynep Isvan

16:20-16:40 **Neutrino Oscillation Results from T2K**
Speaker
 Glenn Lopez

16:40-17:00 **NOvA: Present and Future**
Speaker
 Dr Gavin Davies

17:00-17:20 **Daya Bay Neutrino Experiment: Goal, Progress and Schedule**
Speaker
 Dr Zhe Wang

17:20-17:40 **The 600 Ton ICARUS Liquid Argon Experiment at the LNGS**
Speaker
 Prof. David Cline

18:00

17:40-18:00

Status of the Long-Baseline Neutrino Experiment LBNE

Speaker
Jon Urheim

Wednesday 10 August

14:00

Neutrino Physics: Chaired by Morgan Wascko

Session | **Location:** Rhode Island Convention Center, 550 | **Conveners:** Danny Marfatia, Sam Zeller

14:00-14:40 **Neutrino-Nucleus Interactions**

Speaker
Dr Rex Tayloe

14:40-15:00 **Highlights from MINERvA's first year**

Speaker
Dr Aaron McGowan

15:00-15:20 **The MINERvA Detector: Description and Performance**

Speaker
Bari Osmanov

15:20-15:40

Charged Current Quasi-Elastic Scattering of Muon Neutrinos at the T2K Near Detector

Speaker
Mr Brian Kirby

15:40-16:00 **Neutrino Studies with the T2K POD Detector**

Speaker
Dmitriy Beznosko

16:00

Thursday 11 August

10:30

Neutrino Physics: Chaired by John Beacom

Session | **Location:** Rhode Island Convention Center, 550 | **Conveners:** Sam Zeller,

10:30-10:50 Neutrino Physics with SciBooNE

Speaker

Dr Morgan Wascko

10:50-11:10 Neutrino interactions in the NOvA near detector prototype

Speaker

Dr Jaroslaw Nowak

11:10-11:30 Early Neutrino Data in the NOvA Near Detector

Speaker

Minerba Betancourt

11:30-11:50

SciNOvA: A measurement of neutrino-nucleus scattering in a narrow-band beam

Speaker

Xinchun Tian

11:50-12:10 Lorentz noninvariant neutrino oscillations without neutrino masses

Speaker

Prof. Kerry Whisnant

12:10-12:30 Three-Parameter Lorentz-Violating Model for Neutrino Oscillations

Speaker

Jorge S Diaz

12:30

Friday 12 August

08:00

Neutrino Physics: Chaired by Mayly Sanchez

Session | **Location:** Rhode Island Convention Center, 550 | **Conveners:** Mayly Sanchez, Sam Zeller,

08:00–08:20 **Data Quality and Performance of the NO ν A Prototype Detector**

Speaker
Susan Lein

08:20–08:40 **The DAQ Software System For NOvA Experiment**

Speaker
Dr Xinchun Tian

08:40–09:00 **Charged Particle Tracking in NOvA**

Speaker
Nicholas Raddatz

09:00–09:20 **KATRIN: an experiment to determine the neutrino mass**

Speaker
Dr Florian Fränkle

09:20–09:40 **Project 8: Using Radio Frequencies to Measure the Neutrino Mass**

Speaker
Dr Noah Oblath

09:40–10:00 **The Majorana Demonstrator Project**

Speaker
Frank Avignone

10:00

10:30

Neutrino Physics: Chaired by Kerry Whisnant

Session | **Location:** Rhode Island Convention Center, 550 | **Conveners:** Sam Zeller, , Kerry Whisnant

10:30–10:50 **Short Baseline Neutrino Oscillations**

Speaker
Dr Zarko Pavlovic

10:50–11:10 **Confronting Recent Neutrino Oscillation Data with Sterile Neutrinos**

Speaker
Georgia KARAGIORGI

11:10–11:30 **Simulation of Reactors for Antineutrino Experiments Using DRAGON**

Speaker
Dr Lindley Winslow

11:30–11:50

Searching for Coherent Neutrino Scattering at a Decay-at-Rest Neutrino Source

Speaker
Prof. Enectali Figueroa-Feliciano

12:30
16:00
17:00

11:50-12:10 **Constraining Sterile Neutrinos at IceCube**

Speaker
Yu Gao

Neutrino Physics: Chaired by Charlie Baltay
Session | **Location:** Rhode Island Convention Center, 550 | **Conveners:** Sam Zeller,

16:00-16:30 **The ArgoNeuT experiment**

Speaker
Roxanne Guenette

16:30-17:00 **The MicroBooNE Experiment**

Speaker
Christina Ignarra