

Session Program

Aug 8 - 13, 2011



Division of Particles and Fields
of the American Physical Society
Brown University
August 8-13, 2011



DPF 2011

Neutrino Physics

Rhode Island Convention Center
One Sabin Street Providence, RI 02903

Tue, August 9

2:00 PM

Neutrino Physics: Chaired by Jon Urheim

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

2:00 - 2:20 PM

Solar and Atmospheric Neutrino Physics with Super-Kamiokande

Speaker

Roger Wendell

2:20 - 2:40 PM

Low Energy Neutrino Astronomy in Super-Kamiokande

Speaker

Dr Michael Smy

2:40 - 2:55 PM

MINOS Electron-neutrino Appearance Analysis

Speaker

Dr Xiaobo Huang

2:55 - 3:15 PM

Search for Electron Neutrino Appearance in MINOS

Speaker

Mr Mhair Orchanian

3:15 - 3:30 PM

Electron Antineutrino Appearance in MINOS

Speaker

Mr Adam Schreckenberger

3:30 PM

4:00 PM

Neutrino Physics: Chaired by Ed Kearns

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

4:00 - 4:20 PM

Constraints on non-standard neutrino-matter interactions from MINOS

Speaker

Zeynep Isvan

4:20 - 4:40 PM

Neutrino Oscillation Results from T2K

Speaker

Glenn Lopez

4:40 - 5:00 PM

NOvA: Present and Future

Speaker

Dr Gavin Davies

5:00 - 5:20 PM

Daya Bay Neutrino Experiment: Goal, Progress and Schedule

Speaker

Dr Zhe Wang

5:20 - 5:40 PM

The 600 Ton ICARUS Liquid Argon Experiment at the LNGS

Speaker

Prof. David Cline

5:40 - 6:00 PM

Status of the Long-Baseline Neutrino Experiment LBNE

Speaker

Jon Urheim

6:00 PM

Wed, August 10

2:00 PM

Neutrino Physics: Chaired by Morgan Wascko

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

2:00 - 2:40 PM **Neutrino-Nucleus Interactions**

Speaker
Dr Rex Tayloe

2:40 - 3:00 PM **Highlights from MINERvA's first year**

Speaker
Dr Aaron McGowan

3:00 - 3:20 PM **The MINERvA Detector: Description and Performance**

Speaker
Bari Osmanov

3:20 - 3:40 PM

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

Speaker
Mr Brian Kirby

3:40 - 4:00 PM **Neutrino Studies with the T2K POD Detector**

Speaker
Dmitriy Beznosko

4:00 PM

Thu, August 11

10:30 AM

Neutrino Physics: Chaired by John Beacom

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

10:30 - 10:50 AM Neutrino Physics with SciBooNE

Speaker

Dr Morgan Wascko

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

Speaker

Dr Jaroslaw Nowak

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

Speaker

Minerba Betancourt

11:30 - 11:50 AM

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

Speaker

Xinchun Tian

11:50 AM - 12:10 PM

Lorentz noninvariant neutrino oscillations without neutrino masses

Speaker

Prof. Kerry Whisnant

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

Speaker

Jorge S Diaz

12:30 PM

Fri, August 12

8:00 AM

Neutrino Physics: Chaired by Mayly Sanchez

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

8:00 - 8:20 AM **Data Quality and Performance of the NO ν A Prototype Detector**

Speaker
Susan Lein

8:20 - 8:40 AM **The DAQ Software System For NO ν A Experiment**

Speaker
Dr Xinchun Tian

8:40 - 9:00 AM **Charged Particle Tracking in NO ν A**

Speaker
Nicholas Raddatz

9:00 - 9:20 AM **KATRIN: an experiment to determine the neutrino mass**

Speaker
Dr Florian Fränkle

9:20 - 9:40 AM **Project 8: Using Radio Frequencies to Measure the Neutrino Mass**

Speaker
Dr Noah Oblath

9:40 - 10:00 AM **The Majorana Demonstrator Project**

Speaker
Frank Avignone

10:00 AM

10:30 AM

Neutrino Physics: Chaired by Kerry Whisnant

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

10:30 - 10:50 AM **Short Baseline Neutrino Oscillations**

Speaker
Dr Zarko Pavlovic

10:50 - 11:10 AM

Confronting Recent Neutrino Oscillation Data with Sterile Neutrinos

Speaker
Georgia KARAGIORGI

11:10 - 11:30 AM

Simulation of Reactors for Antineutrino Experiments Using DRAGON

Speaker
Dr Lindley Winslow

11:30 - 11:50 AM

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

	<p>Speaker Prof. Enectali Figueroa-Feliciano</p>
	<p>11:50 AM - 12:10 PM Constraining Sterile Neutrinos at IceCube</p>
12:30 PM	<p>Speaker Yu Gao</p>
4:00 PM	<p>Neutrino Physics: Chaired by Charlie Baltay Session Location: Rhode Island Convention Center, 550 Conveners: Sam Zeller,</p>
	<p>4:00 - 4:30 PM The ArgoNeuT experiment</p>
	<p>Speaker Roxanne Guenette</p>
	<p>4:30 - 5:00 PM The MicroBooNE Experiment</p>
5:00 PM	<p>Speaker Christina Ignarra</p>