

Neutrino Mass and Neutrino Mixing: Parallel Schedule

Parallel 1 May 29: Neutrino Mass and Astrophysical Neutrinos

1. 20': **[248]** *Progress on KATRIN*
Gregg Franklin, Carnegie Mellon U
2. 20': **[180]** *Project8: Cyclotron radiation emission spectroscopy, a new technique in direct neutrino mass measurement*
Ali Ashtari Esfahani, U Washington
3. 20': **[225]** *Recent Borexino measurements of solar neutrinos from the pp chain and prospects for detection of CNO neutrinos*
Frank Calaprice, Princeton U
4. 20': **[286]** *Solar and supernova neutrino detection in the Deep Underground Neutrino Experiment*
Erin Conley, Duke U
5. 20': **[276]** *The myriad wonders and challenges of Gd-loading in water Cerenkov detectors*
Mark Vagins, UC Irvine

Parallel 2 May 29: Neutrinoless Double Beta Decay

1. 30': **[140]** *The first $0\nu\beta\beta$ decay results from CUORE and the status of CUPID R&D*
Brad Welliver, LBNL
2. 30': **[62]** *Status and initial results of the Majorana Demonstrator*
Wenquin Xu, U South Dakota
3. 20': **[210]** *LEGEND: The large enriched germanium experiment for neutrinoless double beta decay*
Jordan Myslik, LBL
4. 20': **[311]** *Deep neural networks for energy and position reconstruction in EXO-200*
Manuel Weber, Stanford U
5. 20': **[150]** *Status and future for the NEXT collaboration in neutrinoless double beta decay*
Sereres Johnson, ANL
6. 20': **[270]** *The search for neutrinoless double beta decay in SNO+*
Vincent Fischer, UC Davis

Parallel 3 May 30: Reactor Neutrinos

1. 30': **[249]** *Reactor neutrino oscillation at Daya Bay*
Matthew Kramer, LBL
2. 30': **[285]** *Latest results of the Double Chooz experiment*
Philipp Soldin, RWTH Aachen
3. 20': **[145]** *Prospect, a Precision Reactor Oscillation and SPECTrum short-baseline antineutrino spectrum*
Bryce Littlejohn, IIT
4. 20': **[22]** *Accelerator and reactor complementarity in coherent neutrino-nucleus scattering*
Jayden Newstead, Arizona State U

Parallel 4 May 30: Higher Energy Neutrinos

1. 30': **[200]** *Recent long-baseline neutrino mixing results from NOvA*
Kirk Bays, Caltech
2. 30': **[310]** *Neutrino oscillation results from the T2K experiment*
Cristovao Vilela, Stony Brook U
3. 20': **[321]** *The Short Baseline Neutrino oscillation program at Fermilab*
Jyoti Joshi, BNL
4. 20': **[162]** *Characterizing the single-phase LArTPV detector performance with MicroBooNE*
Christopher Barnes, U Michigan
5. 20': **[195]** *Event reconstruction techniques for ANNIE Phase II*
Jingbo Wang, UC Davis
6. 20': **[34]** *Theia: A multi-purpose water-based liquid scintillator detector*
Vincent Fischer, UC Davis

Parallel 5 May 31: Double Beta Decay with Final-state Detection/Low-energy Neutrino Scattering

1. 20': **[236]** *Status of the nEXO experiment*
Shuoxing Wu, Stanford U
2. 20': **[242]** *Demonstration of single barium ion sensitivity for neutrinoless double beta decay using single molecule fluorescence imaging*
Dave Nygren, U Texas, Arlington
3. 20': **[6]** *Overview of decay-at-rest neutrino sources*
Daniel Winklehner, MIT
4. 20': **[264]** *CEvNS observation at the SNS with the COHERENT experiment*
Ivan Tolstukhin, Indiana U
5. 20': **[146]** *Recent MiniBooNE results: First measurement of the monoenergetic muon neutrino charged current interactions and a search for vector portal dark matter*
Rory Fitzpatrick, U Michigan

Parallel 6 May 31: LBNE/Neutrino Cross Sections

1. 30': **[299]** *Overview of DUNE*
Jiangming Bian, UC Irvine
2. 30': **[268]** *Measurements of neutrino-nucleus scattering from 0.1-10 GeV*
Chris Marshall, LBNL
3. 20': **[319]** *The CAPTAIN program: Status and plans*
Christopher Mauger, U Pennsylvania
4. 20': **[201]** *Neutrino scattering studies in MicroBooNE*
Vassili Papavassiliou, NMSU
5. 20': **[284]** *Hadron production mechanisms for long-baseline neutrino experiments with NA61/SHINE*
Yoshikazu Nagai, U Colorado
6. 20': **[136]** *Isolating Neutrino Cross Section Uncertainties with Theory*
Aaron Meyer, BNL

Parallel 8 June 1: Neutrinos and Symmetries (NMNM/TSEI)

1. 20': **[301]** *Laboratory searches for sterile neutrinos*
Joshua Spitz, U Michigan
2. 20': **[253]** *Sterile neutrinos in the early universe*
George Fuller, UCSD
3. 20': **[294]** *Nonstandard neutrino interactions*
Andre deGouvea, Northwestern U
5. 20': **[25]** *Detecting CP violation in the presence of nonstandard neutrino interactions*
Jeffrey Hyde, Goucher College
5. 20': **[217]** *Neutrino oscillations and supernova nucleosynthesis*
Baha Balantekin, U Wisconsin
6. 20': **[151]** *Collective neutrino oscillations in the presence of collisions*
Shashank Shalgar, LANL
7. 20': **[340]** *Neutrino flavor transformation and the cosmic lepton asymmetry*
Luke Johns, UC San Diego