Monday, Nov 03, 2014

Morning Session, Chair: Ina Sarcevic (U. Arizona)

8:50am Lars Bildsten (KITP Director) Welcome
9:00am Bruce Vogelaar (Virginia Tech) Getting at the Physics Still Hidden in the Solar Neutrino Spectrum
9:45am Aldo Serenelli (CSIC) Solar Models and Neutrinos: Latest Developments
10:30am Morning Break
11:00am John Learned (U. Hawaii) Atmospheric Neutrinos
11:45am Tyce DeYoung (Michigan State) Atmospheric Neutrinos with IceCube DeepCore and PINGU
12:30pm Lunch Break

Afternoon Session, Chair: Kaladi Babu (Oklahoma State) (OklahomaState)

2:00pm Susanne Mertens (LBNL) Absolute Neutrino Mass Measurements
2:45pm Lisa Everett (UW-Madison) Neutrino Mass Models
3:30pm Afternoon Break
4:00pm Rabi Mohapatra (U.Maryland) Probing Physics Behind Neutrino Mass
5:00pm Shuttle to BWSCI

Tuesday, Nov 04, 2014

Morning Session, Chair: Brajesh Choudhary (Delhi)

9:00am Bill Louis (LANL) Sterile Neutrino Implications from Short-Baseline Neutrino Experiments
9:45am Anna Hayes-Sterbenz (LANL) Uncertainties in the Reactor Neutrino Anomaly
10:30am Morning Break
11:00am Soo-Bong Kim (Seoul Nat'l U.) RENO Hierarchy+Reactor Anomaly
11:45am Karsten Heeger (Yale) Reactor Neutrinos: Recent Results and Next Steps
12:30pm Lunch Break

Afternoon Session
2:00pm Serguey Petcov (SISSA) 
Theoretical Prospects of Neutrinoless Double Beta Decay
2:45pm Steve Elliott (LANL) 
An Overview of the Experimental Program for Double Beta Decay
3:30pm 
Afternoon Break
4:00pm Tom Banks (Berkeley) 
CUORE-0 Performance, and Prospects for CUORE
5:00pm 
Reception
5:45pm 
Special Events Dinner
7:45pm 
Shuttle to BWSCI

Wednesday, Nov 05, 2014

Morning Session, Chair: Janet Conrad (MIT)

9:00am Chris Fryer (LANL) 
Supernova Explosion/Simulation
9:45am Alex Friedland (LANL) 
Supernova Neutrino Oscillations
10:30am 
Morning Break
11:00am Kate Scholberg (Duke) 
Detection of Supernova Neutrinos
11:45am Michael Loewenstein (NASA) 
Possible X-ray Detection of Sterile Neutrino Dark Matter
12:30pm 
Lunch Break
2:00pm 
Shuttle to BWSCI

Thursday, Nov 06, 2014

Morning Session, Chair: Mu-Chun Chen (UC-Irvine)

9:00am Gary Steigman (Ohio State) 
BBN and the CMB Constrain Equivalent Neutrinos
9:45am Georg Raffelt (MPI Munich) 
Astrophysical and Cosmological Neutrino Constraints
10:30am 
Morning Break
11:00am Petr Vogel (Caltech) 
How Difficult Would it be to Detect the Cosmic Neutrino Background?
11:45am Pasquale Di Bari (Southampton) Leptogenesis
12:30pm 
Lunch Break

Afternoon Session, Chair: Hallsie Reno (U. Iowa)

2:00pm Francis Halzen (UW-Madison) 
IceCube: The Discovery of Cosmic Neutrinos
2:45pm Claudio Kopper (Univ. Alberta)  High-Energy Neutrino Searches in IceCube and their Results

3:30pm  Afternoon Break

4:00pm Walter Winter (DESY, Zeuthen) Interpretation of Astrophysical Neutrino Signal, and the Multi-Messenger Context
4:45pm Tom Weiler (Vanderbilt Univ.) Where are the Neutrino Events with Energy above 2 PeV?

5:30pm  Reception

6:00pm  Special Events Dinner

8:00pm  Shuttle to BWSCI

Friday, Nov 07, 2014

Morning Session, Chair: Steven Parke (FNAL)

9:00am Raj Gandhi (Harish-Chandra)  LBNE+INO; Physics Aspects
9:45am Etam Noah Messomo (Geneva)  Long-Baseline Neutrino Observatory
10:30am  Morning Break

11:00am Silvia Pascoli (Durham Univ.)  LBNO Theory
11:45am Milind Diwan (BNL)  Long-Baseline Neutrino Experiment
12:30pm  Lunch Break

Afternoon Session

2:00pm David Wark (Oxford Univ.)  Experiment Summary
2:45pm Paul Langacker (IAS)  Theory Summary
4:00pm  Shuttle to BWSCI