

Program

Low Energy Neutrinos and LENS — LONU-LENS

Oct 14-15, 2006

Virginia Tech, Blacksburg VA

<http://www.phys.vt.edu/~dusel/low-energy-workshop/>

LONU-LENS: Pamplin Hall #2030 VT Blacksburg

Saturday October 14

08.45 *Welcome – Prof. Nancy Ross, Associate Dean for Research, College of Science*

Chair: Art Champagne

09.00 Baha Balantekin (UWisc)	Past and Future of Solar Neutrino Physics
09.30 Kerry Whisnant (IowaSt U)	Solar Model independent tests of LMA
10.00 Cecilia Lunardini (INT UW)	Tests for Non-standard Interactions

10.30 *Coffee*

Chair: Jonathan Link

11.00 Danny Marfatia (UKansas)	Mass Varying Neutrino Oscillations
11.30 Sylvaine Turck-Chieze (CEA Saclay)	The dynamical Sun and Neutrinos
12.00 Carlos Pena-Garay (IFIC Valencia)	Solar Luminosity in Neutrinos
12.30 Gail McLaughlin (NCSU)	Monte Carlo Neutrino Oscillations

13.00 *Lunch*

Chair: Mark Pitt

14.00 Bruce Vogelaar (VT)	Low Energy Neutrino Techniques-Overview
14.30 Raju Raghavan (VT)	LENS-overview
15.00 Christian Grieb (VT)	Signal and Background in LENS

15.30 *Coffee*

Chair: Bruce Vogelaar

16.00 Jeff Blackmon (ORNL)	The LENS Detector--Scintillation Lattice Chamber
16.30 Zheng Chang (SCSU)	Indium Liquid Scintillator
17.00 Minfang Yeh (BNL)	Metal loaded Liquid Scintillators for Neutrino Physics
17.30 Mark Pitt (VT)	MINILENS
18.00 Raju Raghavan (for INR Group Moscow)	LENS-CAL

19.00 *Reception* *Hahn Atrium VT*

Sunday October 15

Chair: Jeff Blackmon

09.00 Milind Diwan (BNL)	Homestake Underground Science and Engineering Lab
09.30 Discussion I	Science Potential of LO-NU and potential technologies
10.30 Discussion II	LENS
11.30 ADJOURN	

Afternoon:

Trip to Kimballton Underground Facility (will leave VT at 1:00 pm, and return about 4:00 pm. Must wear close-toed shoes, and expect to get pant-legs somewhat dirty).