

I. VISITORS PROGRAM: 2010–JULY 2011

Seminar Speakers - 2010-July 2011

2010

- Dr. Hovhannes Grigoryan, Argonne Natl. Lab, IL: 2 days (1/5-7/10)
Chern-Simons Term Induced Interactions in Holographic QCD
- Dr. Jinfeng Liao, Lawrence Berkeley Lab, CA: 2 days (1/10-12/10)
Characterizing the QCD X-Matter from “Little Bang”
- Dr. Anastasios Taliotis, The Ohio State Univ., Columbus: 1 day (1/28/10)
Heavy-Ion Collisions from AdS/CFT
- Dr. Lucas Platter, INT, Univ of Washington, Seattle: 3 days (2/1-4/10)
Towards Ab-initio Density Functional Theory
- Dr. Kojo Toru, Brookhaven Natl. Lab, Upton NY: 1 day (2/10/10)
Quarkyonic Chiral Spirals
- Dr. Andrea Pocar, Univ of Massachusetts, Amherst: 1 day (2/24/10)
On the Borexino Solar Neutrino Experiment
- Dr. Dean Lee, N. Carolina State Univ., Raleigh: 1 day (3/2-3/10)
Lattice Calculations of Neutron Matter and Nuclei Using Effective Field Theory
- Dr. Jonathan Link, Virginia Polytech Inst & State Univ, Blacksburg: 1 day (3/10/10)
Novel Uses of Low Energy Neutrino Sources
- Dr. Ambar Jain, Carnegie Mellon Univ., Pittsburgh PA: 2 days (3/23-25/10)
R-evolution, A New Type of Renormalization Group Evolution and Its Application to OPE and QCD
- Dr. Iain Stewart, Massachusetts Inst of Technology, Cambridge: 1 day (3/31/10)
Determining $\alpha_s(m_Z)$: New Precision Results from Jets
- Dr. Silas Beane, Univ of New Hampshire, Durham: 1 day (4/7/10)
Lattice QCD for Baryons and Their Interactions
- Dr. Andre Walker-Loud, College of William and Mary, Williamsburg: 2 days (4/13-14/10)
A Direct Lattice Calculation of the Strong Isospin Breaking Parameter, $m_d - m_u$
- Dr. Renee Fatemi, Univ of Kentucky, Lexington: 2 days (4/20-22/10)
Extracting the Gluon Piece of the Spin Puzzle Inclusive Jet and Ion Results
- Dr. Yuan Mei, Rice Univ, Houston TX: 1 day (4/28/10)
Direct Dark Matter Search with XENON 100 Experiment
- Dr. Bira van Kolck, Univ of Arizona, Tucson: 1 day (4/29/10)
Hadronic Time-Reversal Violation
- Dr. Gregory Gabadadze, New York Univ, New York: 1 day (5/5/10)
Charged Condensation in Dwarf Stars
- Dr. Jonathan Carroll, CSSM-Univ of Adelaide, Australia: 3 days (5/27-30/10)
The Quark-Meson Coupling Model as a Description of Dense Matter
- Dr. Bruno El-Bennich, State U. of Sao Paulo and U. Cruzeiro do Sul, Brazil: 1 day (6/1/10)
- Dr. Yusuke Nishida, Massachusetts Inst. of Technology, Cambridge: 2 days (9/21-23/10)
Unitary Fermi Gas and Beyond
- Dr. Gerald Miller, U. of Washington, Seattle: 9/28-30/10)
Transverse Charge Densities
- Dr. Vikram Soni, National Physics Lab, New Delhi India: 3 days (10/6-9/10)
Unraveling Magnetars
- Dr. Joshua Erlich, College of William & Mary, Williamsburg VA: 1 day (10/13/10)
Meson Condensation in Holographic QCD
- Dr. Sanjay Reddy, Los Alamos Natl. Lab, New Mexico: 2 days (10/19-21/10)
The Condensed Matter Physics of the Neutron Star Crust: How to Discover an Extraterrestrial Superfluid
- Dr. Stefan Kölling, Forschungszentrum Jülich, Germany: 6 days (10/29-11/4/10)
Towards a Consistent em -current Operator from Chiral EFT
- Dr. Erich Poppitz, University of Toronto, Canada: 3 days (12/07-09/10)
Lattice Chirality: A mission (im)possible?

2011

- Mr. Emanuele Mereghetti, Univ of Arizona, Tucson: 1 day (1/4/11)
T-Violation in Nuclear Physics. An effective approach
- Mr. Daekyoung Kang, The Ohio State University, Columbus: 2 days (1/18-20/11)
Universal Relations for Strongly Interacting Atoms
- Mr. Gokce Basar, Univ of Connecticut, Storrs: 2 days (2/20-22/11)
Gap Equations and Phase Diagrams of Gross Neveu Models
- Mr. Thomas Kelley, Univ of Minnesota, MN: 4 days (1/23-27/11)
The Thermodynamics of a 5D-Gravity-Dilaton-Tachyon Solution
- Ms. Amy Nicholson, INT-Univ of Washington, Seattle: 2 days (1/30-2/1/11)
Lattice Approach for Studies of Particles at Unitarity
- Dr. Jonathan Walsh, Lawrence Berkeley Natl Lab, CA: 2 days (2/1-3/11)
Using SCET for Jet Physics at Colliders
- Mr. Chee Sheng Fong, Stony Brook University, NY: 2 days (2/8-10/11)
Soft Leptogenesis as a Viable Model of Baryogenesis
- Dr. Daniel Phillips, Ohio University, Athens: 1 day (2/19/11)
Look Mum! No pions! Addressing (some) nuclear-structure issues using effective field theories
- Mr. Martin Hoferichter, HISKP - Univ of Bonn, Germany: 1 day (3/2/11)
Isospin Violation in Pion-Nucleon Physics
- Dr. Thomas Mehen, Duke University, Durham NC: 1 day (3/9/11)
Effective Field Theory
- Dr. Kostas Orginos, College of William & Mary, Williamsburg VA: 1 day (3/16/11)
Hadron Interactions from Lattice QCD
- Dr. Zhong-Bo Kang, RIKEN BNL Res Ctr, Upton NY: 2 days (3/29-31/11)
Single Transverse Spin Asymmetry: Progresses and Puzzles
- Dr. Simone Marzani, Univ of Manchester, United Kingdom: 4 days (4/5-8/11)
QCD Resummation for Jet Physics at the LHC
- Dr. Dan Pirjol, Natl Inst for Physics & Nucl Eng, Bucharest: 1 day (4/6/11)
Large N_c QCD and the Spin-Flavor Structure of the Quark Interactions
- Dr. Andrew Ferroglia, New York City College of Technology, Brooklyn: 1 day (4/20/11)
Top Quark Pair Production Beyond Next-to-Leading Order
- Dr. Guy Moore, McGill University, Montreal, Quebec: 2 days (4/12-14/11)
Second-Order Relativistic Hydrodynamics
- Dr. Aleksey Cherman, University of Cambridge, United Kingdom: 1 day (5/18/11)
The Fermion Sign Problem and Large N Orbifold Equivalence
- Dr. Jiunn-Wei Chen, National Taiwan University: 2 days (6/28-6/30/11)
Holographic Superconductors

Local Speakers

- Mr. Thomas Langford, University of Maryland: 1/1/10
A Fast Neutron Spectrometer for Underground Science
- Dr. Peter J. Mohr, Natl Inst of Standards and Technology (NIST), Gaithersburg MD: 10/27/10
The Proton Radius Puzzle: A Possible Problem for Fundamental Constants
- Dr. Michael G. Huber, Tulane U., New Orleans & Natl Inst of Standards and Tech (NIST), Gaithersburg MD: 11/17/10
Measuring the Neutron's Mean Square Charge Radius Using Neutron Interferometry
- Dr. Hans Pieter Mumm, Natl Inst of Standards and Tech (NIST), Gaithersburg MD: 12/1/10
Measuring the Neutron Lifetime Using Magnetically Trapped Ultracold Neutrons
- Mr. Evan Berkowitz, University of Maryland: 1/26/11
Vortons at High Density
- Dr. Ahmad Idilbi, Ciudad University, Madrid, Spain, and College Park MD: 5/4/11
Regular and Singular Cases: What is Wrong with Soft-Collinear Effective Theory?

Collaborative Visitors: 2010-July 2011

2010

Dr. Shmuel Nussinov, Tel Aviv Univ., Israel: 28 days during Sept. 2009-April 2010
Dr. Gautum Rupak, Mississippi State Univ.: 7 days (1/10-16/10)
Dr. Raphael Lang, Columbia Univ, Pupin Lab, New York: 2 days (5/3-4/10)
Dr. Pervez Hoodbhoy, Quaid-e-Azam Univ., Islamabad, Pakistan: 7 weeks (June-July 2010)

2011

Dr. Yue Zhang, Abdus Salam ICTP-Trieste, Italy: 1 week (5/12-20/11)
Dr. Yu Jia, IHEP, Chinese Academy of Sciences, Beijing: 6 months (5/24-11/30/11)
Mr. Jonathan Hall, CSSM-Univ of Adelaide, Australia: 1 week (7/9-17/11)