

## INSTITUTE COLLOQUIA AND SEMINARS

April 1, 2009-March 31, 2010

### 2009

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| April 17    | Professor Jian-Wei Qiu, Department of Physics and Astronomy, Iowa State University, Ames, Iowa and Brookhaven National Laboratory, Upton, New York   | <i>QCD and High Energy Nuclear Collisions</i>   |
| April 21    | Dr. Peter Levai, KFKI Research Institute for Particle and Nuclear Physics, Budapest, Hungary   | <i>Can We Find Quark-Gluon Plasma in pp Collision at LHC?</i>   |
| April 28    | Professor Wolfgang Mittig, NSCL, Michigan State University, East Lansing, Michigan   | <i>Nuclear Power and Global Energy Problems</i>   |
| April 30    | Dr. A. S. Botvina, Institute for Nuclear Research, Russian Academy of Sciences, Moscow, Russia   | <i>Stellar Matter in Supernova Explosions and Nuclear Multifragmentation</i>  |
| May 19      | Mr. J. Savory, NSCL, Michigan State University, East Lansing, Michigan   | <i>The rp Process and Mass Measurement of N=Z=34 Nuclei</i>   |
| July 28     | Dr. A. A. Alharbi, Faculty of Sciences, Physics Department, Princess Nora Bint Abdul Rahman University, Riyadh, Saudi Arabia and Cyclotron Institute, Texas A&M University, College Station, Texas | <i>Application of Radioisotopes in Nuclear Medicine: Experimental Study of Proton Induced Nuclear Reactions on <sup>Nat</sup>Tl</i> |
| August 5    | Dr. Adriana Banu, Cyclotron Institute, Texas A&M University, College Station, Texas  | <i>Nuclear Physics for Astrophysics with RNBs from 10 to 50 MeV/nucleon</i>   |
| September 1 | Professor Gerd Roepke, Institute of Physics, University of Rostock, Rostock, Germany   | <i>Light Clusters in Nuclear Matter</i>   |
| September 9 | Dr. M. Mazzocco, Dipartimento di Fisica and INFN-Sezione di Padova, Padova, Italy  | <i>RIB's for Reaction Studies at Near-Barrier Energies: the Project EXOTIC at LNL</i>   |
| October 3   | Dr. Min He, Cyclotron Institute, Texas A&M University, College Station, Texas  | <i>Susceptibilities and QCD Chiral Phase Transition</i>   |

October 13	Professor M. Urin, Moscow Engineering Physics Institute, Moscow, Russia	<i>Giant-Resonance Damping: Semi-Microscopic Description (Methods, Results, Perspectives)</i>
November 10	Professor Gamal Akabani, Department of Nuclear Engineering, Texas A&M University, College Station, Texas	<i>Alpha Particle Targeted Radionuclide Tumor Therapy – Physical and Biological Aspects</i>
November 16	Dr. Tommi Ropponen, Department of Physics, University of Jyväskylä, Jyväskylä, Finland	<i>Ion Source Related R&amp;D at the University of Jyväskylä</i>
November 18	Dr. H. Esbensen, Physics Division, Argonne National Laboratory, Argonne, Illinois	<i>Coulomb Dissociation of <math>^{15}\text{C}</math> and the Radiative Neutron Capture on <math>^{14}\text{C}</math></i>
November 24	Professor Peter McIntyre, Mitchell-Heep Chair in Experimental Physics, Department of Physics, Texas A&M University, College Station, Texas	<i>Amazing Accelerators: Petavolt collider and Gigawatt Fission Power</i>
December 1	Dr. Rahul Tripathi, Cyclotron Institute, Texas A&M University, College Station, Texas	<i>Recent Heavy Ion Reaction Studies at Radiochemistry Division (RCD), Bhabha Atomic Research Center (BARC), Mumbai, India</i>
December 9	Dr. Professor Michael Golovkov, Flerov Laboratory of Nuclear reactions, Joint Institute for Nuclear Research, Dubna,	<i>Correlation Study of Light Neutron Rich Nuclei</i>
December 10	Dr. Alexandre Obertelli, Service de Physique Nucléaire, CEA/Saclay, DSM/IRFU/SPhN, France	<i>New Developments for Knockout Reactions at Intermediate Energies</i>
December 11	Dr. Emanuel Pollacco, Service de Physique Nucléaire, CEA/Saclay, DSM/IRFU/SPhN, France	<i>Particle Spectroscopy with Radioactive Beams</i>
<b><u>2010</u></b>		
February 9	Professor Ulrich Mosel, Institute for Theoretical Physics, University of Giessen, Giessen, Germany	<i>Neutrino-Long-Baseline Experiments: Where Nuclear Physics is Needed</i>
February 18	Dr. Michel Gonin, Ecole Polytechnique, France	<i>The Tokai to Kamioka Long Baseline Neutrino Oscillation Experiment</i>

February 23	Dr. Thomas Davinson, Department of Physics and Astronomy, University of Edinburgh, Edinburgh, United Kingdom	<i>Decay Spectroscopy at FAIR Using the Advanced Implantation Detector Array (AIDA)</i>
February 26	Dr. Taesoo Song, Cyclotron Institute, Texas A&M University, College Station, Texas	<i><math>R_{AA}</math> of <math>J/\Psi</math> Near Mid-Rapidity in Heavy-Ion Collisions at <math>\sqrt{s} = 200</math> GeV</i>
March 2	Dr. Gavin Lotay, Department of Physics and Astronomy, University of Edinburgh, Edinburgh, United Kingdom	<i>Determining the Steller Origin of the Cosmic <math>\gamma</math>-ray Emitting Nucleus <math>^{26}\text{Al}</math></i>
March 9	Professor Fridolin Weber, Department of Physics, San Diego State University, San Diego, California	<i>Neutron Stars as Astrophysical Laboratories for Nuclear and Particle Physics</i>
March 23	Mr. Alan McIntosh, Department of Chemistry and Indiana University Cyclotron Facility, Indiana University, Bloomington, Indiana	<i>Binary and Ternary Break-up of Excited Projectile-like Fragments Produced in <math>^{124}\text{Xe} + ^{112,124}\text{Sn}</math> Reactions at <math>E/A = 50</math> MeV</i>
March 30	Professor Michael A. Bentley, Department of Physics, University of York, York, United Kingdom	<i>Nuclear Structure, Astrophysics and Reactions at FAIR</i>