

INSTITUTE COLLOQUIA AND SEMINARS

April 1, 2001-March 31, 2002

2001

- April 10 Dr. Massimo Di Toro, LNS/INFN and the University of Catania, Italy *Isospin Effects on Nuclear Dynamics*
- April 12 Dr. C. Lewis, U.S. Environmental Protection Agency, Research Triangle, North Carolina *Air Pollution Research Using Radiocarbon Measurements*
- April 17 Professor Olga Kocharovskaya, Department of Physics, Texas A&M University, College Station, Texas *Laser Control of Mossbauer Nuclear Transitions*
- May 1 Dr. Bency John, Cyclotron Institute, Texas A&M University, College Station, Texas *Level Density Parameter in $A \sim 108-204$ Nuclei at Medium Excitation Energy*
- May 10 Dr. Shuhua Zhou, China Institute of Atomic Energy, Beijing, China *ω -N Spin-Spin Interaction and Glue-Like Effect of ω in ${}^7\text{Li}$ and Research Activities in Nuclear Physics at CIAE*
- May 15 Dr. John Christopher Hagel, Research Scientist, Cyclotron Institute, Texas A&M University, College Station, Texas *Cyclotron Computing, 21st Century and Beyond*
- June 5 Professor Nguyen Dinh Dang, The Institute for Nuclear Science and Technique, Hanoi, Vietnam, and RIKEN, Wako, Japan *Description of Various Types of Resonances Within the Phonon Damping Model*
- June 19 Dr. Ian S. Towner, Queen's University, Canada *Non-Nucleonic Effects Studied in Nuclear Magnetic Moments*
- July 17 Professor L. Satpathy, Institute of Physics, Bhubaneswar, India *Predictions of Masses, Nuclear Equation of State, Shell Quenching, and New Islands of Stability in Drip-Line Region in Infinite Nuclear Matter Model*
- August 3 Professor C.O. Dorso, Department of Physics, The University of Buenos Aires, Argentina *Caloric Curves, Thermal Response Functions, and Critical Exponents in Fragmentation*
- August 14 Professor W.Q. Shen, Shanghai Institute of Nuclear Research, Shanghai, China *Measurements of Total Reaction Cross Sections for Some Neutron-Deficient Nuclei ($A < 30$) and Possible Proton Halo Nuclei: ${}^{27}\text{P}$ and ${}^{23}\text{Al}$*

August 21	Professor Carlos Bertulani, Brookhaven National Laboratory, Union, New York	<i>One- and Two-Photon Physics with Relativistic Heavy Ions</i>
September 4	Professor C.R. Praharaaj, Institute of Physics, Bhubaneswar, India	<i>Structure of Exotic Nuclei Near the Drip Lines</i>
November 6	Dr. Livius Trache, Cyclotron Institute, Texas A&M University, College Station, Texas	<i>Astrophysical S-Factors from Breakup Reactions of Loosely Bound Radioactive Nuclei at Intermediate Energies</i>
November 13	Dr. A.I. Sanzhur, Cyclotron Institute, Texas A&M University, College Station, Texas	<i>Phase Transitions in Asymmetric Nuclear Matter</i>
November 20	Dr. Henning Esbensen, Physics Division, Argonne National Laboratory, Argonne, Illinois	<i>Higher-Order Effects in Two-Body Breakup Reactions</i>
November 27	Professor Ed. V. Hungerford, University of Houston, Houston, Texas	<i>Current Issues in Strangeness Nuclear Physics</i>
November 28	Mr. Eric Mayes, Graduate Student, Seminar on Progress in Thesis, Cyclotron Institute, Texas A&M University, College Station, Texas	<i>The β^+ Decays of ^{34}Ar and ^{34}Cl</i>
November 28	Mr. Yong Peng, Graduate Student, Seminar on Progress in Thesis, Cyclotron Institute, Texas A&M University, College Station, Texas	<i>Dependence of Cross Sections for Single- Electron Capture and Multi-Electron Loss by 6 MeV/u Xe^{18+} Ions on Target Atomic Number</i>
October 31	Mr. Tiegang Di, Graduate Student, Seminar on Progress in Thesis, Cyclotron Institute, Texas A&M University, College Station, Texas	<i>Charm Meson Scattering Cross Sections by K Meson</i>
October 31	Mr. Fakhridin Pirlepesov, Graduate Student, Seminar on Progress in Thesis, Cyclotron Institute, Texas A&M University, College Station, Texas	<i>Astrophysical Radiative Capture Reactions in the CNO Cycle and Asymptotic Normalization Coefficients</i>
December 5	Ms. Eileen Winchester, Graduate Student, Seminar on Progress in Thesis, Cyclotron Institute, Texas A&M University, College Station, Texas	<i>Isotopic Production at Mid-Rapidity</i>

December 5	Ms. Elizabeth Martin, Graduate Student, Seminar on Progress in Thesis, Cyclotron Institute, Texas A&M University, College Station, Texas	<i>Progress in Research of Isospin Equilibration</i>
December 5	Ms. Ananya Ruangma, Graduate Student, Seminar on Progress in Thesis, Cyclotron Institute, Texas A&M University, College Station, Texas	<i>Caloric Curves of 8 GeV/c π^-, p + Au</i>
December 11	Dr Akram Mukhamedzhanov, Research Scientist, Cyclotron Institute, Texas A&M University, College Station, Texas	<i>Astrophysical Factors</i>
December 18	Professor Yuri Oganessian, Flerov Laboratory of Nuclear Reactions, Joint Institute for Nuclear Research, Dubna, Moscow Region, Russian Federation	<i>Heavy Isotopes of Lightest and Superheavy Elements</i>
<u>2002</u>		
January 15	Professor M. Fujiwara, Research Center for Nuclear Physics (RCNP), Osaka University, Osaka, Japan	<i>Physics with Inverse Compton Gamma Rays at Spring-8</i>
January 15	Mr. T. Kawabata, Research Center for Nuclear Physics (RCNP), Osaka University, Osaka, Japan	<i>Polarization Transfer Measurements in $^{16}O(p, p')$ Reactions and Structure of Spin Dipole Resonance</i>
January 17	Mr. Xiaodong Tang, Graduate Student, Ph.D. Thesis Defense, Cyclotron Institute, Texas A&M University, College Station, Texas	<i>Determination of the S Factor for $^{11}C(p, \gamma)^{12}N$</i>
January 29	Dr. Giuseppe Verde, National Superconducting Cyclotron Laboratory, Michigan State University, East Lansing, Michigan	<i>Imaging Correlations Functions in Heavy Ion Reactions</i>
February 5	Professor James P. Vary, Department of Physics and Astronomy, Iowa State University, Ames, Iowa	<i>Nuclear Shell Theory</i>
February 12	Professor L. Zamick, Department of Physics and Astronomy, Rutgers University, Piscataway, New Jersey	<i>Fermionic Symmetries</i>

February 19	Dr. Yoshiaki Tokimoto, Postdoctoral Research Associate, Cyclotron Institute, Texas A&M University, College Station, Texas	<i>Giant Resonances in ^{46}Ti</i>
February 22	Dr. Steven W. Yates, The University of Kentucky, Lexington, Kentucky	<i>Using Fast Neutrons to Probe Nuclear Structure: Multiphonon Vibrations in Spherical Nuclei</i>
March 5	Professor W. Llope, Rice University, Houston, Texas	<i>Modern Time-Of-Flight</i>
March 19	Dr. Vincenzo Greco, University of Catania, Catania, Italy	<i>Asymmetric Nuclear Matter in a Relativistic Approach: Equation of State and Dynamics</i>