

INSTITUTE COLLOQUIA AND SEMINARS

April 1, 1998-March 31, 1999

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| April 6 | Dr. G.R. Ryckewaert, University
Catholique de Louvain, Louvain-la-
Neuve, Belgium | <i>Recent Developments and Future Plans at
the Cyclotron Research Centre of the
Catholique University in Louvain-la-Neuve,
Belgium</i> |
| April 7 | Prof. Michael Wiescher, University
of Notre Dame, Notre Dame, Indiana | <i>Characteristics of the rp-Process in X-ray
Bursts</i> |
| April 14 | Prof. Brad Sherrill, NSCL, Michigan
State University, East Lansing,
Michigan | <i>Nuclei With Too Many Neutrons</i> |
| April 16 | Prof. V. Kolomietz, INR, Kiev,
Ukraine | <i>Dynamics and Instability of Nuclear Fermi
System</i> |
| April 21 | Dr. Claude Lyneis, Lawrence
Berkeley Lab, Berkeley, California | <i>Better Cyclotrons Through ECR Ion Sources</i> |
| April 23 | Prof. Wolfgang Bauer, NSCL,
Michigan State University, East
Lansing, Michigan | <i>Nuclear Fragmentation - Phase Transition
in a Mesoscopic System</i> |
| April 28 | Dr. Peter Haustein, Brookhaven
National Laboratory, Upton, New
York | <i>A Novel Radioactive Beams Method
Employing a Coupled Gas-Jet Electron
Cyclotron Resonance Ion-Source System</i> |
| May 5 | Dr. Xiao-Fei Zhang, Institute for
High Energy Physics, Beijing, China | <i>Nuclear Effects on Charmonium Production</i> |
| May 12 | Dr. James R. Coss, Jet Propulsion
Laboratory, Pasadena, California | <i>Radiation Testing and Texas A&M</i> |
| May 21 | Prof. Yuri Oganessian, FLNR, JINR,
Dubna, Moscow region, Russia | <i>The Experiments on the Synthesis of the
Super Heavy Spherical Nuclei</i> |
| May 26 | Dr. German Kälbermann, Cyclotron
Institute, TAMU | <i>The Use of Skyrmions in Nuclear Physics</i> |

June 2	Dr. Jerry Nolen, Argonne National Laboratory, Argonne, Illinois	<i>Status of RNB Facilities in North America</i>
June 19	Eric A. Hawker, Cyclotron Institute, TAMU, General Defense Seminar	<i>Measurement of the Flavor Asymmetry in the Nucleon Sea</i>
June 22	Sviatoslav O. Bouttchenko, Cyclotron Institute, TAMU, General Defense Seminar	<i>The Structure of Energy Levels in ^{102}Ru</i>
June 30	Prof. Alexei Lebedev, Iowa State University, Ames, Iowa	<i>Direct Photon Production in Relativistic Heavy Ion Collisions - CERN Experiments WA80 and WA89</i>
July 14	Dr. Youssef El Masri, University Catholique de Louvain, Louvain-la-Neuve, Belgium	<i>DEMON: A Detector Array for Neutron Detection and Related Characteristics</i>
July 20	Prof. Arturo Menchaca-Rocha, UNAM, Mexico City, Mexico	<i>When Liquid Drops Collide</i>
July 21	Prof. Maria Ester Brandan, UNAM, Mexico City, Mexico	<i>Studies of the Response of Dosimetric Materials to Heavy Charged Particle</i>
July 28	Dr. Youssef El Masri, University Catholique de Louvain, Louvain-la-Neuve, Belgium	<i>Neutron "Clock" in the Study of Normal and Fast Fission Processes in the Reactions $^{20}\text{Ne}+^{241}\text{Re}$ and $^{40}\text{Ar}+^{165}\text{Ho}$ Using the Neutron Multidetector DEMON</i>
July 31	Dr. Claudio Dorso, Universidad de Buenos Aires	<i>Caloric Curve in Fragmenting Classical Drops</i>
August 4	Dr. Youssef El Masri, University Catholique de Louvain, Louvain-la-Neuve, Belgium	<i>Ta, Au and Th L X-ray Energy Shifts and Yields Induced by 0.6, 1.2, 2.4 and 4 MeV/nucleon Kr Ions</i>
September 8	Dr. Henry Clark, Cyclotron Institute, TAMU	<i>Determining the Incompressibility of Nuclear Matter from Isoscalar Giant Monopole Resonance and Isoscalar Giant Dipole Resonance Energies</i>

September 15	Dr. Rich Ibbotson, NSCL, Michigan State University, East Lansing, Michigan	<i>Coulomb Excitation of Exotic Nuclei and the $N=20$ Shell Closure</i>
September 29	Dr. Jerzy Cibor, Cyclotron Institute, TAMU	<i>Light Particles Probes of Multifragmentation at 47 A MeV</i>
October 20	Prof. Y. Ronen, Vice Rector, Ben-Gurion University, Israel	<i>Application of ^{242m}Am as a Nuclear Fuel</i>
October 23	Prof. Florin Carstoiu, Institute of Atomic Physics, Bucharest, Romania	<i>Cross Sections, Momentum Distributions and Neutron Angular Distributions for ^{11}Be Induced Reactions on Silicon</i>
October 27	Prof. Witold Nazarewicz, University of Tennessee, Knoxville, Tennessee	<i>Physics of Exotic Nuclei</i>
October 29	Alexei Kolomiets, Cyclotron Institute, TAMU, General Defense Seminar	<i>Microscopic Description of Giant Resonance Excitations in Mass $A < 90$ Nuclei</i>
November 3	Dr. Zbigniew Majka, Jagellonian University, Krakow, Poland	<i>Freeze-out Stage Characteristics in Intermediate Energy Heavy Ion Collisions</i>
November 4	Gulnara Ajupova, Cyclotron Institute, TAMU, Graduate Student Seminar on Progress in Thesis	<i>($d, ^2\text{He}$) Reactions: Energy Dependence of the Reaction Mechanism at Intermediate Energies and Application to Supernovae Evolution</i>
November 4	James Musser, Cyclotron Institute, TAMU, Graduate Student Seminar on Progress in Thesis	<i>Measurement of the Michel Parameters: TRIUMF E614</i>
November 6	Dr. Paul Schmor, TRIUMF, Vancouver, Canada	<i>ISAC: A New Generation Radioactive Ion Beam Facility at TRIUMF</i>
November 10	Prof. B. R. Barrett, University of Arizona, Tucson, Arizona	<i>Large-Basis No-Core Shell-Model Calculations for Light Nuclei</i>
November 11	Prof. Igal Talmi, The Weizmann Institute of Science, Rehovot, Israel	<i>Shell Model Calculations of Nuclear Energies</i>

November 12	Prof. D. Poenariu, Institute of Atomic Physics, Bucharest, Romania	<i>Cluster Radioactivities</i>
November 13	Dr. Manojeeet Bhattacharya, Indiana University Cyclotron Facility, Bloomington, Indiana	<i>Neutrino-capture Efficiency of the ICARUS Detector</i>
November 23	Prof. Robert Pollock, Indiana University Cyclotron Facility, Bloomington, Indiana	<i>Storage Ring-Traps; Beam-Plasmas</i>
December 1	Doug Rowland, Cyclotron Institute, TAMU, Graduate Student Seminar on Progress in Thesis	<i>Recent Results for the Reactions ^{20}F, ^{20}Ne, $^{20}\text{Na}+\text{Au}$ at 32 MeV/nucleon using the FAUST Array</i>
December 1	Eileen Winchester, Cyclotron Institute, TAMU, Graduate Student Seminar on Progress in Thesis	<i>Report on My Thesis Progress</i>
<u>1999</u>		
January 26	Dr. Ziwei Lin, Cyclotron Institute, TAMU	<i>Open Charm Physics at RHIC</i>
March 2	Prof. V.Z. Goldberg, Kurchatov Institute, Moscow, Russia	<i>Study of Exotic Nuclei by Resonance Scattering</i>
March 9	Dr. Afshin Azhari, Cyclotron Institute, TAMU	<i>Indirect Measurement of the $^7\text{Be}(p, \gamma)^8\text{B}$ Astrophysical S-Factor</i>
March 25	Prof. Bikash Sinha, Dept. of Atomic Energy, Variable Energy Cyclotron Centre, Calcutta, India	<i>Electromagnetic Signals of Quark Gluon Plasma and Very Early Universe</i>
March 26	Bruce C. Hyman, TAMU, General Defense Seminar	<i>$0^+ \rightarrow 0^+$ Nuclear β-Decay of ^{62}Ga</i>
March 26	John Blackadar, TAMU General Defense Seminar	<i>Systematics of K and L-X-Ray Production by 6 to 15 MeV/u Heavy Ion Bombardment</i>