

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Heavy Quark and Anti-Quark Bound States"

Prof. Doug McKay
Department of Physics & Astronomy
University of Kansas
Lawrence, KS

Monday, September 14, 1981

4:30 P.M. Room 332 Malott

Coffee and Cookies 4:00 136 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"VLBI: Past, Present and Future"

Dr. Robert Mutel
Dept. of Physics
University of Iowa
Iowa City, Iowa

Monday, September 21, 1981

4:30 P.M. Room 332 Malott

Coffee and Cookies 4:00 136 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"ARGUS Detector and its Physics Program"

Professor Nowhan Kwak
Department of Physics & Astronomy
University of Kansas
Lawrence, KS

Monday, September 28, 1981

4:30 P.M. Room 332 Malott

Coffee and Cookies 4:00 136 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Review of Electron Capture Reactions"

Professor Joseph H. Macek
University of Nebraska
Lincoln, Nebraska

1981-82 MASUA Honor Lecture

Monday, October 5, 1981

4:30 P.M. Room 332 Malott

Coffee and Cookies 4:00 136 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"The Mass and Distance to Centaurus A,
the Most Enigmatic (Quasi) Elliptical Galaxy"

Dr. J. E. Hesser
(BA, Astronomy, 1963)
Herzberg Institute of Astrophysics
Dominion Astrophysical Observatory
Victoria, British Columbia.

Monday, October 12, 1981

4:30 P.M. Room 332 Malott

Coffee and Cookies 4:00 136 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"New State of Matter"

Prof. D. Coyne
Dept. of Physics
Princeton University
Princeton, N. J.

Monday, October 19, 1981

4:30 P.M. Room 332 Malott

Coffee and Cookies 4:00 136 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Sixteenth International Low Temperature
Physics Conference at U.C.L.A.: 50 nanokelvins at 90°K"

Professor Sapp
Department of Physics & Astronomy
University of Kansas
Lawrence, KS

Monday, October 26, 1981

4:30 P.M. Room 332 Malott

Coffee and Cookies 4:00 136 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Planetary Magnetospheres"

Professor D. Beard
Department of Physics & Astronomy
University of Kansas
Lawrence, KS

Monday, November 2, 1981

4:30 P.M. Room 332 Malott

3:45 P.M. Squash Pies & Cookies, Room 136 Malott

(costumes optional)

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Current States of Q.C.P. in Particle Physics"

Professor K. Milton
Department of Physics
Oklahoma State University
Stillwater, Oklahoma

Monday, November 9, 1981

4:30 P.M. Room 332 Malott

Coffee and Cookies 4:00 136 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Trapped Radiation at Saturn"

Prof. T. Armstrong
Department of Physics & Astronomy
University of Kansas
Lawrence, KS

Monday, November 16, 1981

4:30 P.M. Room 332 Malott

Coffee and Cookies 4:00 136 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Superluminal Behavior in BL Lacertae"

Prof. Robert Phillips
Department of Physics & Astronomy
University of Kansas
Lawrence, KS

Monday, November 23, 1981

4:30 P.M. Room 332 Malott

Coffee and Cookies 4:00 136 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Laser Generated Ion Beams"

Professor Raymond H. Hughes
University of Arkansas
Fayetteville, Arkansas

Monday, November 30, 1981

4:30 P.M. Room 332 Malott

Coffee and Cookies 4:00 136 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Fusion of Mass-42 Systems"

Robert Racca
Department of Physics & Astronomy
University of Kansas
Lawrence, KS

Monday, December 7, 1981

4:30 P.M. Room 332 Malott

Coffee and Cookies 4:00 136 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS

SPECIAL
PHYSICS COLLOQUIUM

"FDA and the Physicist"

Dr. Glenn Conklin
Bureau of Radiological Health
U.S. Food and Drug Administration

Monday, January 11, 1982

4:30 P.M. Room 332 Malott

Coffee and Cookies 4:00 136 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Pulsating Stars"

Prof. R. Watson
Department of Physics
Kansas State University
Manhattan, KS

Monday, January 25, 1982

4:30 P.M. Room 332 Malott

Coffee and Cookies 4:00 136 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Relativistic Bound States and
Bethe-Salpeter Equations"

Prof. Herman Munczek
Department of Physics & Astronomy
University of Kansas
Lawrence, KS

Monday, February 1, 1982

4:30 P.M. Room 332 Malott

Coffee and Cookies 4:00 136 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

" K^-p Reactions"

Lee Herder
Department of Physics & Astronomy
University of Kansas
Lawrence, KS

Monday, February 15, 1982

4:30 P.M. Room 332 Malott

Coffee and Cookies 4:00 136 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Three-Body Nuclear Forces"

Prof. P. Goldhammer
Department of Physics & Astronomy
University of Kansas
Lawrence, KS

Monday, February 22, 1982

4:30 P.M. Room 332 Malott

Coffee and Cookies 4:00 136 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Jet Universality; Does it make sense?"

Alex Firestone
Iowa State University
Ames, Iowa

Monday, March 1, 1982

4:30 P.M. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"Geophysical Applications of Physics"

Dr. Gerald Hoover
Manager of Research
Phillips Petroleum

Monday, March 8, 1982

4:30 P.M. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Small Amplitude Red Variables and Chemical
Abundances in Globular Star Clusters"

Dr. Bay E. White
Steward Observatory
University of Arizona
Tucson, Arizona

Monday, March 22, 1982

4:30 P.M. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Non-linear Optics and Spectroscopy"

Prof. N. Bloembergen
1981 Nobel Laureate
Division of Applied Sciences
Harvard University
Cambridge, Massachusetts

PUBLIC LECTURE

"Lasers in Science and Industry"

Woodruff Auditorium
Kansas Union
8:00 P.M.

Monday, March 29, 1982

4:30 P.M. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

SPECIAL PHYSICS COLLOQUIUM

"Was Ptolemy a Fraud?"

Prof. Owen Gingerich
Harvard University and Smithsonian Astrophysical Observatory

Tuesday, March 30, 1982
4:30 P.M. Room 3092 Malott
Coffee and Cookies 4:00 1087 Malott

EVENING LECTURE

Tuesday, March 30

8:00 P.M., Forum Room, Kansas Union

The Galileo Affair in Modern Perspective

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"Progenitor Masses of White Dwarfs"

Dr. Barbara Anthony-Twarog
University of Texas
Austin, Texas

Monday, April 5, 1982

4:30 P.M. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Primary Nucleosynthesis in its Galactic Disk"

Dr. Bruce Twarog
University of Texas
Austin, Texas

Tuesday, April 6, 1982

4:30 P.M. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"Resource Evaluation in the Antarctic
by Gamma-Ray Spectrometry"

Dr. Gisela Dreschhoff
Department of Physics & Astronomy
University of Kansas
Lawrence, KS

Monday, April 26, 1982

4:30 P.M. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"From Q.C.D. to the Hadronic Spectrum"

Adolfo Nemirovsky
Department of Physics & Astronomy
University of Kansas
Lawrence, KS

Monday, September 13, 1982

4:30 P.M. Room 3082 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"Binodal Rotation in Main Sequence Stars"

Dr. Bruce Twarog
Department of Physics & Astronomy
University of Kansas
Lawrence, KS

Monday, September 20, 1982

4:30 P.M. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Solar Radiation and Tropical Atmosphere"

Dr. George Reid, N.O.A.A.
Boulder, Colorado

Monday, September 27, 1982

4:30 P.M. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"Long Term Waste Problems from Electricity Production"

Professor Bernard L. Cohen
University of Pittsburg
Pittsburg, PA

Thursday, September 30, 1982

8:00 P.M.

Room 3092 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"Corona Polarization in the Infrared"

Professor David Beard
Department of Physics & Astronomy
University of Kansas
Lawrence, KS

Monday, October 4, 1982

4:30 P.M. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Photochemical Processing of Semiconductors"

Dr. Ehrlich T.F. Deutsch
MIT Lincoln Laboratories

Monday, October 11, 1982

4:30 P.M. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Chromospheres of Cepheid Variable Stars"

E.G. Schmidt
University of Nebraska

Monday, January 31, 1983

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Phonon Bottlenecking and Spin-Lattice Relaxation"

Jack Culvahouse
Department of Physics & Astronomy
University of Kansas
Lawrence, KS

Monday, February 7, 1983

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 p.m. 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

Discovery of a Massive Unseen Star in LMC X-3
(A New Black Hole?)

Stephen Shawl
Department of Physics & Astronomy
University of Kansas
Lawrence, KS

Monday, February 14, 1983

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Physics of Recoil Ion"

Tom J. Gray
Kansas State University
Department of Physics & Astronomy

Monday, February 21, 1983

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Recent progress of the Argus project"

Professor N. Kwak
Department of Physics & Astronomy
University of Kansas

Monday, March 7, 1983

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"The NSF Outlook in Physics and Astronomy"

Dr. Laura P. Bautz, Director
Astronomy Division, N.S.F.

Thursday, March 24, 1983

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Microcomputers in Physics and Astronomy Education"

David Alexander
Wichita State University

Monday, March 28, 1983

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Optical Properties of Silicon and Applications to Pulsed-Laser Annealing"

Dr. G. Jellison, Jr.
Oak Ridge Nat. Lab.

Monday, April 11, 1983

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

SPECIAL PHYSICS COLLOQUIUM

"Laser Direct Writing of Microstructure"

Dr. Daniel Ehrlich
M.I.T., Lincoln Lab.

Friday, May 6, 1983

3:00 p.m. Room 1072 Malott

Coffee and Cookies 2:30 p.m. 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Current Status of the Argus Project"

Robin E. P. Davis
Department of Physics & Astronomy
University of Kansas
Lawrence, KS

Monday, November 29, 1983

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Application of Semi-ab-initio Method to Semiconductor
Superlattice and Random Alloy"

Prof. W.Y. Ching
University of Missouri-KC

Monday, September 10, 1984

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Spacecraft Environment Interactions"

Dr. Rebecca Chaky
TRM

Monday, September 17, 1984

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Bifurcations and Starbursts: Understanding the
Jekyll and Hyde character of star formation in galaxies."

Dr. Curt Struck-Marcell
Iowa State

Monday, September 24, 1984

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Multiphonon Transition in Solids"

Professor K. Huang
Institute of Semiconductor Research, PRC, Visiting Snow Fellow
UMKC

Monday, October 1, 1984

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"New Discoveries With the ARGUS Detector in e^+e^- Annihilation"

Prof. N. Kwak
Department of Physics & Astronomy
KU

Monday, October 8, 1984

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Is Physics Super (Symmetric)?"

Prof. Thomas Clark
Purdue University

Monday, October 15, 1984

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Stochastic Quantization: Where Quantum Theory
Meets Statistical Mechanics"

Professor J.P. Ralston
Department of Physics & Astronomy
University of Kansas

Monday, October 22, 1984

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"High Energy Experiments at Very, Very High Energies"

Prof. Samuel C.C. Ting
MIT and DESY
Cambridge, Mass. and Hamburg, W. Germany

Monday, October 29, 1984

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Computer Simulation of Membrane Lipids and Interfacial Water"

Prof. Larry Scott
Oklahoma State University

Monday, November 5, 1984

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
SPECIAL PHYSICS COLLOQUIUM

"Highlights of Shuttle Mission 41D"

Dr. Steven A. Hawley
Johnson Space Center
Houston, TX

Thursday, November 8, 1984

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1037 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Using Mark III VLBI Inside and Outside the Galaxy"

Dr. Robert Phillips
Haystack Observatory, MIT

Monday, November 12, 1984

4:30 p.m. Room 3092 Malott

Coffee and Squash Festival 3:45 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"A Status Report of the ARGUS Project and the Moscow Conference"

Prof. R. Davis
University of Kansas
Department of Physics & Astronomy

Monday, November 26, 1934

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"From Quantum Chromodynamics to Interactions Among Observed Hadrons"

Prof. Doug McKay
Department of Physics & Astronomy
University of Kansas

Monday, February 4, 1985

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1037 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Supersymmetry and Nuclear Transfer Reactions"

Professor Pei Yu Zhu
Shanghai Institute of Railroad Technology
People's Republic of China

Monday, February 11, 1985

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"An Investigation of Latent Heating on Extratropical Cyclone Development"

Dr. Patricia Dare
Purdue University
West Lafayette, IN

Monday, February 18, 1985

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"The Physics of Statocumulus Clouds"

Dr. Chen
Colorado State University
Ft. Collins, CO

Friday, February 22, 1985

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1037 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Extinction of Near Infrared Solar Radiation as a
Means for Remote Determination of Atmospheric Water Vapor"

Dr. Larry Thomason
University of Wisconsin-Madison

Monday, February 25, 1985

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Available Potential Energy and Extratropical Cyclone Activity
During the FGGE Year"

Thomas Koehler
University of Wisconsin-Madison

Thursday, February 28, 1985

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1037 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Observational Astronomy with Moderate Apertures
and Midwestern Skies"

Dr. Willet Beavers
Iowa State

Monday, March 4, 1985

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"Wind-tree Models and the Master Equation"

Prof. K.W. Wong
Department of Physics & Astronomy
University of Kansas

Monday, March 13, 1985

4:30 p.m. Room 3092 Halott

Coffee and Cookies 4:00 1037 Halott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"Finite Size Scaling, Confined Polymers and the Big Bang"

Dr. Adolfo Nemirovsky
Chicago University

Monday, March 25, 1985

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Diffusion in Random Systems"

Dr. Peter Richards
Sandia Laboratory

Monday, April 1, 1985

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1037 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"The Cosmic Ray Picture of the Heliosphere"

Professor D. Venkatesan
Univ. of Calgary

Monday, April 8, 1985

4:30 P.M. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Testing QCD with the Collider"

Professor Carlo Rubbia
Nobel Lecture
CERN and Harvard

Wednesday, April 10, 1985

4:30 P.M. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"The Crab Nebula or the Chemistry of the Cosmic Crustacean"

Dr. Dick Henry
University of Oklahoma

Monday, April 15, 1935

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1037 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"Physics and Politics of the 100-Mile Supercollider"

Dr. John Ralston
Department of Physics & Astronomy
University of Kansas

Monday, April 22, 1985

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1037 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"Positron Annihilation Spectroscopy of Defects in Materials"

Dr. Richard W. Siegel
Argonne National Laboratory

Monday, April 29, 1985

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"ARGUS Looking for Charm and Beauty"

Dr. H. Schroder
DESY, W. Germany

Wednesday, May 1, 1985

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
SPECIAL ASTRONOMY COLLOQUIUM

"Pluto: The Mystery Unfolds"

Dr. Dave Tholen
University of Hawaii

Monday, June 10, 1985

4:30 p.m. Room 3092 Malott

Coffee and Cookies 4:00 1037 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Normal and Peculiar Supernovae of Type I"

Craig Wheeler
University of Texas

Monday, September 9, 1985

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1037 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"ARGUS: A Study of Charm and Beauty"

Prof. R. Ammar
Department of Physics and Astronomy

Monday, September 16, 1985

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"Radiative Transfer and the Master Equation"

Prof. K.W. Wong
Department of Physics & Astronomy

Monday, September 23, 1985

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1037 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"Puzzling Particle from Cygnus: Is a New Physics Needed?"

Prof. John Ralston
Department of Physics and Astronomy

Monday, September 30, 1985

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"The Atmospheric Properties and Phenomena of RV Tauri Stars"

Dr. Scott Baird
Benedictine College

Monday, October 7, 1985

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Current Progress on the Formation of White Dwarfs"

Dr. Ed Sion
Villanova University
Pennsylvania

Monday, October 14, 1985

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Dynamics of Finite Layered Structure"

Prof. K.M. Lee
University of Missouri
at Columbia

Monday, October 21, 1985

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Some Examples of the Use of Computers in Physics Today"

Prof. J. Culvanouse
Department of Physics and Astronomy

Monday, October 28, 1985

4:30 p.m. Computer Center Auditorium

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"New Rays on Old Comets"

Prof. David Beard
Department of Physics & Astronomy
University of Kansas

Monday, January 27, 1986

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Solid State Physics at Kansas University"

Professor Ron Bass
Department of Physics & Astronomy
University of Kansas

Monday, February 10, 1986

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Bound States of Heavy Quarks"

Prof. J. Rosner
University of Chicago

Monday, March 17, 1986

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"Structure, Dynamics, and Symmetry in
Intense Field Multiphoton Processes"

Prof. S. I. Chu
Department of Chemistry
University of Kansas

Monday, March 24, 1986

4:30 p.m. Room 3092 Halott

Coffee and cookies 4:00 1087 Halott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Some Comments on Spin 2 Gravity Field"

Prof. Justin Huang
University of Missouri
at Columbia

Wednesday, April 2, 1986

4:30 p.m. Room 3092 Halott

Coffee and cookies 4:00 1087 Halott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"Implications of Precision Satellite Tracking for Geophysics"

Dr. E. M. Gaposhtkin
Lincoln Laboratories
M.I.T.

Monday, April 7, 1986

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"An Update on Comet Halley:
Ground Based and Space Based Observations"

Dr. Ed Barker
University of Texas, Austin
(KU Astronomy Grad)

Monday, April 14, 1986

4:30 p.m. Room 3092 Halott

Coffee and cookies 4:00 1087 Halott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"Dark Matter and the Large Scale Structure of the Universe"

Adrian Melott
University of Chicago

Tuesday, April 15, 1986

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"Effect of Quenched Disorder on Critical Phenomena"

Professor Mark Novotny
Northeastern University

Thursday, April 17, 1986

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"Numerical Simulation of Time -
Dependent Electrode Plasma Interactions"

Dr. Alexander Calder
University of British Columbia
at Vancouver

Monday, April 21, 1986

4:30 p.m. Room 3092 Halott

Coffee and cookies 4:00 1087 Halott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"Effective Transport Properties
of
Macroscopically Inhomogeneous Materials"

Dr. Martin Soederberg
Royal Institute of Technology
Stockholm, Sweden

Monday, August 25, 1986

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Detailed Structure
of the
Globular Clusters ω
Centauri and 47 Tucane"

Dr. George Meylan
Astronomy Department
University of California
Berkeley

Thursday, September 4, 1986

4:30 p.m. Room 2074 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"New Results from ARGUS"

Dr. Walter Schmidt-Parzell
DESY

Monday, September 8, 1986

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"uvby CCD Photometry
of
Old Star Clusters in the Galaxy"

Professor Barbara Anthony-Twarog
Department of Physics & Astronomy
University of Kansas

Monday, September 15, 1986

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"Quantum Monte Carlo
and the
Equation of State of Liquid He"

Professor R. Panoff
Kansas State University

Monday, September 29, 1986

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Quantum Fluctuations
and the
Topology of the Large-Scale Structure
of the Universe"

Professor Adrian Melott
Department of Physics & Astronomy
University of Kansas

Monday, October 6, 1986

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Super Strings and Fields"

Professor Max Dresden
New York State University
at
Stony Brook

Friday, October 10, 1986

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"TeV Physics in Technicolor"

Professor Douglas McKay
Department of Physics & Astronomy
University of Kansas

Monday, October 20, 1986

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"The Determination of Atmospheric Temperature
Profiles from Satellite Radiance Measurements"

Professor Thomas Koehler
Department of Physics & Astronomy
University of Kansas

Monday, October 27, 1986

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Studies of Radon in Houses"

Professor Bernard Cohen
University of Pittsburgh

Thursday, October 30, 1986

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Inertial Confinement Fusion -
Diagonostics of Intense Lithium Ion Beam"

Professor K. H. Kim
North Carolina Central University

Monday, November 10, 1986

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Fusion Reactions in
Nucleus-Nucleus Collisions"

Dr. D. G. Kovar
Argonne National Laboratory

Monday, November 24, 1986

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"The Largest Exceptional Group"

Professor Richard Capps
Purdue University

Monday, December 1, 1986

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"Kinetics of Laser-Pulsed
Rapid Melting & Freezing"

Dr. Peter Richards
Sandia National Laboratory
Albuquerque, New Mexico

Monday, December 8, 1986

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

"Planetary Magnetospheres"

Professor David Beard
Department of Physics and Astronomy
University of Kansas

Monday, January 19, 1987

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Essentials of High Resolution
Reflection Seismology"

Dr. R. W. Knapp
University of Kansas

Monday, January 26, 1987

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

GEOPHYSICS SERIES I

"Discovery of a Uranium Deposit
by Gamma-ray Spectroscopy"

Dr. Gisela Dreschhoff
Department of Physics & Astronomy
University of Kansas

Monday, February 2, 1987

4:40 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

GEOPHYSICS SERIES II

"Solar Activity on Nitrate
Flux in Antarctic Snow"

Professor Edward Zeller
Department of Physics & Astronomy
University of Kansas

Monday, February 9, 1987

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY
UNIVERSITY OF KANSAS
PHYSICS COLLOQUIUM

GEOPHYSICS SERIES III

"Nitrate Deposition in Antarctica:
Temporal and Spatial Variations"

Dr. Claude Laird
Department of Physics And Astronomy
University of Kansas

Monday, February 16, 1987

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott

DEPARTMENT OF PHYSICS AND ASTRONOMY

UNIVERSITY OF KANSAS

PHYSICS COLLOQUIUM

"Computer Modeling of
Point Defects in Quartz"

Professor T. Wilson
Department of Physics
Oklahoma State University
Stillwater, OK

Monday, February 23, 1987

4:30 p.m. Room 3092 Malott

Coffee and cookies 4:00 1087 Malott