

INSTITUTE COLLOQUIA AND SEMINARS

April 1, 2017- March 31, 2018

2017

- April 4 Kenneth R. Hogstrom, PhD, Professor Emeritus, Dept. of Physics and Astronomy, Louisiana State University, Dept. of Radiation Physics, The University of Texas M D, Anderson Cancer Center, Senior Medical Physics Advisor, Mary Bird Perkins Cancer Center *Advancing Electron Beam Radiation Therapy through Physics Research – 50 Years of Beam Seminar series*
- April 12 Dr. Daniel Lascar, TRIUMF Vancouver, British Columbia, Canada *Recent Work with the TITAN System and EMMA Trap: An Introduction*
- April 21 Dr. Bao-An Li, Regents' Professor, Department of Physics and Astronomy, Texas A&M University – Commerce, Commerce, Texas *Probing High – Density Symmetry Energy with Heavy – Ion Reactions - 50 Years of Beam Seminar series*
- April 25 Dr. Peter Petreczky, Nuclear Theory Group, Brookhaven National Laboratory, Upton, New York *Super Computing the Matter at Extremes: From Hardrons to Quarks*
- May 2 Danelle M. Tanner, PhD, Distinguished Member of the Technical Staff at Sandia National Laboratories, Albuquerque, New Mexico *33 Years of Interesting Projects – 50 Years of Beam Seminar Series*
- May 9 Dr. Tony Ahn, National Superconducting Cyclotron Laboratory, Michigan State University, East Lansing, Michigan *Nuclear Reaction Cross Section Measurements to Study the Abundance Pattern of Metal Poor Halo Stars*
- May 11 Dr. Alexander Yakushev, Deputy Head of SHE Chemistry, GSI, Darmstadt, Germany *Gas Phase Chemistry of Flerovium and Sg(CO)₆*
- May 12 Dr. Arturo Menchaca-Rocha, National Autonomous University of Mexico (UNAM), Mexico City, Mexico *Scintillation Studies Initiated at TAMU 30 Years Ago – 50 Years of Beam Seminar Series*

May 15	Dr. María-Ester Brandan, Physics Institute, National Autonomous University of Mexico (UNAM), Mexico City, Mexico	<i>A Remarkable Property of (Some) Thermoluminescent Dosemeters: A Single Irradiation Gives Dose and Beam Quality Information – 50 Years of Beam Seminar Series</i>
May 17	Dr. Christoph E. Düllmann, GSI HelmHoltz Institute Mainz and Johannes Gutenberg University Mainz, Germany	<i>Physics Experiments with the Heaviest Elements: from TASCAs at GSI, over ISOL at JAEA, to the Th-229 “Nuclear Clock” Isomer</i>
May 18	Professor Michael Block, GSI HelmHoltz Institute Mainz and Johannes Gutenberg University Mainz, Germany	<i>Nobelium Laser Spectroscopy</i>
June 6	Dr. Xiaodong Tang, Institute of Modern Physics, Chinese Academy of Sciences, Lanzhou, China	<i>Nuclear Astrophysics at Institute of Modern Physics (IMP) – 50 Years of Beam Seminar Series</i>
June 15	Dr. Akram Zhanov, Cyclotron Institute, Texas A&M University, College Station, Texas	<i>Astrophysical Radiative Capture Processes via Indirect Method: $^{12}\text{C}(\alpha,\gamma)^{16}\text{O}$</i>
June 27	Dr. Jeff Allen Winger, Department of Physics and Astronomy, Mississippi State University, Mississippi	<i>35 Years of β-Decay Spectroscopy – 50 Years of Beam Seminar Series</i>
June 15	Dr. Akram Zhanov, Cyclotron Institute, Texas A&M University, College Station, Texas	<i>Astrophysical Radiative Capture Processes via Indirect Method: $^{12}\text{C}(\alpha,\gamma)^{16}\text{O}$</i>
July 11	Dr. Peter L. Gonthier, Physics Department, Hope College, Holland, Michigan	<i>Millisecond Pulsars and the Galactic Center Excess – 50 Years of Beam Seminar Series</i>
July 18	Dr. Douglas Rowland, Center for Molecular and Genomic Imaging (CMGI), University of California - Davis, Davis, California	<i>Mice to Mars: A Journey in Research – 50 Years of Beam Seminar Series</i>
July 25	Dr. Xingbo Zhao, Institute of Modern Physics, Chinese Academy of Sciences, Lanzhou, China	<i>Frontiers on ab Initio Approach to Nuclear Physics in Super-Computing Era – 50 Years of Beam Seminar Series</i>
August 22	Professor George A. Souliotis, National and Kapodistrian University of Athens, Athens, Greece	<i>Systematics Studies of Proton-Induced Spallation Reactions</i>

October 13	Dr. Peter Geltenbort, The Institute Laue Langevin (ILL), Grenoble, France	<i>The Ultracold Neutron Physics Program at the ILL</i>
October 30	Dr. Péter Lévai, Director General MTA Wigner Research Center for Physics, Hungarian Academy of Sciences, Budapest, Hungary	<i>AttoWorld under Fire – 50 Years of Beam Seminar Series</i>
November 3	Dr. O.B. Tarasov, National Superconducting Cyclotron Laboratory, Michigan State University, East Lansing, Michigan	<i>Exploration of the ^{60}Ca Region</i>
November 28	Professor Paolo Napolitani, IPN-Orsay, CNRS, University of Paris-Sud and University of Paris-aclay, Paris, France	<i>Violent Fluctuations in Fluids of Neutrons and Protons Explain How Atomic Nuclei Disintegrate</i>
December 1	Dr. Che-Ming Ko, Cyclotron Institute and Department of Physics and Astronomy, Texas A&M University, College Station, Texas	<i>50 Years of Theoretical Nuclear Physics Research at the Cyclotron Institute – 50 Years of beam Seminar Series</i>
December 4	Dr. Joseph B. Natowitz, Cyclotron Institute, Texas A&M University, College Station, Texas	<i>WTWT (Whatever They Want to Talk!) – 50 Years of Beam Seminar Series</i>
December 4	Dr. Dave H. Youngblood, Cyclotron Institute, Texas A&M University, College Station, Texas	<i>WTWT (Whatever They Want to Talk!) – 50 Years of Beam Seminar Series</i>
<u>2018</u>		
January 22	Dr. Carlos Bertulani, Department of Physics and Astronomy, Texas A&M Commerce, Commerce, Texas	<i>Cosmological Lithium Problems</i>
February 20	Dr. Michael Forbes, Department of Physics and Astronomy, Washington State University, Pullman, Washington	<i>Fermi Superfluids: From Cold Atoms to Neutron Stars and Back</i>
February 27	Dr. Oded Haber, Weizmann Institute, of Science, Rehovot, Israel	<i>New Frontiers in Ion Beam Trapping</i>
March 2	Dr. Vladilen Goldberg, Cyclotron Institute, Texas A&M University, College Station, Texas	<i>A Life Filled with Physics: Over 50 Years of Fun</i>

March 6	Dr. Justin Frantz, Department of Physics, Ohio University, Athens Ohio	<i>Studying Quark Gluon Plasma in Intermediate to Small Collision Volumes via Particle Correlations</i>
March 20	Dr. Michael Famiano, Department of Physics, Western Michigan University, Kalamazoo, Michigan	<i>Relativistic Electron-Positron Plasma Screening in Astrophysical Environments</i>