

INSTITUTE COLLOQUIA AND SEMINARS
April 1, 2019 - March 31, 2020

2019

April 9	Dr. Alex Gezerlis, Associate Professor, Physics Department, University of Guelph, Guelph, Ontario, Canada	<i>From Alpha Clustering to Homogeneous Matter</i>
May 7	Dr. Peter McIntyre, Professor, Department of Physics and Astronomy, Texas A&M University, College Station, Texas	<i>The Strong-Focusing Cyclotron: high-current 100MeV accelerator for protons and ions</i>
May 10	Dr. Teresa S. Bailey, Deterministic Transport Project Lead, Lawrence Livermore National Laboratory, Livermore, California	<i>Delivering a Nuclear Science Capability at Lawrence Livermore National Laboratory</i>
May 16	Dr. Iyabo Usman, Senior Lecturer, Physics Department, University of Witwatersrand, Johannesburg, South Africa	<i>Giant Resonances Experiments with the K600 Magnetic Spectrometer of iThemba Labs</i>
June 3	Dr. Nathan Nowlin, Manager, Advanced Microsystems Radiation Effects, Sandia National Laboratory, Albuquerque, New Mexico	<i>Recent Research on the Development of Radiation Hardened Technologies Manufactured at Sandia National Laboratory</i>
June 4	Dr. Shuya Ota, Postdoctoral Research Associate, Cyclotron Institute, Texas A&M University, College Station, Texas	<i>Neutron Production and Capture in s-Process Stars: Nuclear Physics with TIARA, STARLiTeR, and HYPERION</i>
June 11	Dr. Kathy Prestridge, Extreme Fluids Team Leader, Physics Division, Los Alamos National Laboratory, Los Alamos, New Mexico	<i>Mixing and Turbulence: Are We There Yet?</i>
June 13	Dr. Chad Forrest, Research Scientist, Laboratory for Laser Energetics, University of Rochester, Rochester, New York	<i>Nuclear Science Experiments at the University of Rochester's Omega Laser Facility</i>
July 27	Dr. Todd Bredeweg, Nuclear Chemistry Team Leader, Nuclear and Radiochemistry, Los Alamos National Laboratory, Los Alamos, New Mexico	<i>Fission Product Chain Yield Measurements</i>

August 6	Dr. Maximilian Hughes, Research Assistant, Michigan State University, East Lansing, Michigan	<i>Precision Measurements in ^{20}F Beta Decay</i>
September 10	Dr. C. Jeff Martoff, Professor of Physics, Temple University, Philadelphia, Pennsylvania	<i>The HUNTER Sterile Neutrino Search Experiment</i>
September 17	Dr. Joe Carlson, Nuclear, Particle, Astrophysics and Cosmology Group Leader, LANL Theoretical Division, Los Alamos National Laboratory, Los Alamos, New Mexico	<i>Nuclei, Neutrinos, and Neutron Stars</i>
September 24	Dr. Jonathan Barney, Graduate Assistant, Michigan State University, East Lansing, Michigan	<i>Measuring Charged Pion Emission from $^{112}\text{Sn}+^{124}\text{Sn}$ and $^{124}\text{Sn}+^{112}\text{Sn}$ Reactions with the SπRIT Time Projection Chamber</i>
October 8	Justin Estee, Research Assistant, Michigan State University, East Lansing, Michigan	<i>Studying the Nuclear Equation of State with Pions using the SπRIT Time Projection Chamber</i>
October 11	Dr. Romualdo deSouza, Provost Professor, Professor of Chemistry and Physics, Indiana University, Bloomington, Indiana	<i>The Science and Technology of Fusing Neutron-Rich Light Nuclei Near and Below the Barrier</i>
October 18	Dr. Oleksandr Koshchii, Postdoctoral Researcher, Johannes Gutenberg University Mainz, Mainz, Germany	<i>Parity Violation to Nuclear Structure and New Physics</i>
October 29	Dr. Nathan Holt, Assistant Professor, Piedmont College, Demorest, Georgia	<i>Toward the Omega Meson Contribution to the Muon Anomalous Magnetic Moment</i>
November 5	Dr. Jason Holt, Research Scientist, TRIUMF and The University of British Columbia, Vancouver, Canada	<i>Ab Initio Nuclear Theory for Beyond Standard Model physics</i>
November 12	Dr. Guy Ron, Associate Professor, Hebrew University of Jerusalem, Jerusalem, Israel	<i>Tricks and traps: Low Energy Searches for High Energy Physics</i>
November 13	Professor Lee Sobotka, Department of Chemistry and Physics, Washington University, St. Louis, Missouri	<i>^{11}O and Other Invariant Mass Results At, Beyond or Isobarically Anchored to the Proton Drip Line</i>

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| January 28 | Kyle Godbey, Vanderbilt University,
Nashville, Tennessee | <i>Microscopic Approaches to Understanding
Multinucleon Transfer</i> |
| February 4 | Dr. Andrew Steiner, Assistant
Professor, University of Tennessee
and Oak Ridge National Laboratory,
Knoxville, Tennessee | <i>Determining the Properties of Dense Matter
from Neutron Star Observations</i> |
| February 25 | Professor Alexander Volya, Florida
State University, Tallahassee, Florida | <i>Microscopic Studies of Alpha Clustering in
Light Nuclei</i> |