

INSTITUTE COLLOQUIA AND SEMINARS

April 1, 2018- March 31, 2019

2018

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| April 3 | Dr. Anna Simon, Assistant Professor,
Department of Physics, University of
Notre Dame, South Bend, Indiana | <i>Constraining the Hauser-Feshbach Models
for Nucleosynthesis Processes</i> |
| April 10 | Dr. R. Gianluca Pizzone, Laboratori
Nazionali del Sud, Istituto Nazionale
di Fisica Nucleare, Italy | <i>Trojan Horse Measurements with RIBs: The
Case of the $^{18}\text{F}(p,\alpha)^{15}\text{O}$ Reaction and Its
Astrophysical Relevance</i> |
| April 17 | Dr. Heather Crawford, Staff Scientist,
Nuclear Science Division, Lawrence
Berkeley National Laboratory,
Berkeley, California | <i>Gamma-Ray Spectroscopy at the Limits</i> |
| May 1 | Dr. Akram Zhanov, Senior Scientist,
Cyclotron Institute, Texas A&M
University, College Station, Texas | <i>Connection between ANCs and Resonance
Widths for Mirror Nuclei</i> |
| May 10 | Dr. Gerd Röpke, Professor, Institut
für Physik, Universität Rostock,
Rostock, Germany | <i>Correlations and Clustering in Dilute Matter</i> |
| September 18 | Dr. Cody Parker, Postdoctoral
Associate, Massachusetts Institute of
Technology, Cambridge,
Massachusetts | <i>From the $^3\text{H}(d,\gamma)^5\text{He}$ reaction to ICF
diagnostics: a fusion of nuclear and plasma
science</i> |
| September 28 | Dr. Lee Sabotka, Professor,
Department of Chemistry,
Washington University and Mr. Cole
Pruitt, Department of Chemistry,
Washington University, St. Louis,
Missouri | <i>Two Projects at WU: A) Total (N) Cross
sections : $^{16,18}\text{O}$, $^{58,64}\text{Ni}$, $^{112,124}\text{Sn}$ B) Two New
Near p-Threshold Resonances Explained by a
Continuum Cognizant SM</i> |
| October 16 | Dr. Dr. Kyle Leach, Assistant
Professor, Department of Physics,
Colorado School of Mines, Golden,
Colorado | <i>The Quest for the New Standard Model:
Searching for BSM Physics with Rare-
Isotopes</i> |
| October 30 | Dr. Jinfeng Liao, Assistant Professor,
Department of Physics, Indian
University, Bloomington, Indiana | <i>Correlations and Clustering in Dilute Matter</i> |
| November 27 | Dr. Or Hen, Assistant Professor,
Department of Physics,
Massachusetts Institute of
Technology, Cambridge,
Massachusetts | <i>Neutron Star Droplets and the Quarks Within</i> |

2019

January 10	Dr. Henry Lamm, University of Maryland, College Park, Maryland	<i>Emerging Methods for Dense and Nonequilibrium Matter</i>
March 5	Ashley Hood, Research Assistant, Department of Physics and Astronomy, Louisiana State University, Baton Rouge, Louisiana	<i>Measurements of Fusion Reactions with ^{16}C for Understanding X-ray Superbursts</i>
March 12	Dr. Morgan White, Project Leader for Fission and Criticality Experimental Research, Los Alamos National Laboratory New Mexico	<i>No Really, Los Alamos is a Great Place to Work</i>
March 26	Dr. Michelle P. Kuchera, Assistant Professor, Physics Department, Davidson College, Davidson, North Carolina	<i>Machine Learning for Event Simulation and Classification in the Active-Target Time Projection Chamber</i>