<table>
<thead>
<tr>
<th>DATE</th>
<th>TITLE OF TALK</th>
<th>SPEAKER</th>
<th>SPEAKER'S INSTITUTION</th>
<th>HOST</th>
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<tbody>
<tr>
<td>Jan. 18</td>
<td>&quot;The Sensitivity Limits of Nanowire Bio-Sensors&quot;</td>
<td>Xuan Gao</td>
<td>Dept. of Chemistry &amp; Chemical Biology Harvard University</td>
<td>Philip Adams</td>
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<td>Jan. 25</td>
<td>&quot;Investigating Quantum Criticality in CeMnIn5 (M=Co,Rh,Ir)&quot;</td>
<td>Cigdem Capan</td>
<td>Louisiana State University</td>
<td>Philip Adams</td>
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<tr>
<td>SPECIAL SEMINAR</td>
<td>Mon. Jan. 29 3:40 PM 109 Nicholson Hall</td>
<td>&quot;How More is Different: Correlated Quantum Matter&quot;</td>
<td>Maxim Dzero Rutgers University</td>
<td>John DIItusa</td>
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<tr>
<td>Feb. 1</td>
<td>&quot;Quantum Tunneling Dynamics and Metastability of Antiferromagnetic Domains&quot;</td>
<td>Eric D. Isaacs</td>
<td>Director, Center for Nanoscale Materials, Argonne National Laboratory</td>
<td>John DIItusa</td>
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<tr>
<td>SPECIAL SEMINAR</td>
<td>Mon. Feb. 5 3:40 PM 109 Nicholson Hall</td>
<td>&quot;Local Criticality. Time Reversal Violation and The Cuprate Phase Diagram&quot;</td>
<td>Vivek Aji University of California-Riverside</td>
<td>John DIItusa</td>
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<tr>
<td>SPECIAL SEMINAR</td>
<td>Wed. Feb. 7 5:00 PM 130 Nicholson Hall</td>
<td>MAX GOODRICH DISTINGUISHED LECTURE SERIES</td>
<td>Moses H.W. Chan Pennsylvania State University</td>
<td>Jorge Pullin</td>
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<tr>
<td>Feb. 8</td>
<td>&quot;Critical Casimir Forces&quot;</td>
<td>Moses H.W. Chan</td>
<td>Pennsylvania State University</td>
<td>Jorge Pullin</td>
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<tr>
<td>Feb. 15</td>
<td>&quot;Multi-Photon and Entangled-Photon Imaging and Lithography&quot;</td>
<td>Malvin C. Telch</td>
<td>Boston University and Columbia University</td>
<td>Jonathan Dowling</td>
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<tr>
<td>Feb. 22</td>
<td>&quot;Colossal Magnetoysteresistive Manganites and High Temperature Superconductors: So Different, Yet So Similar&quot;</td>
<td>Norman Mannella</td>
<td>Stanford University and Advanced Light Source-LBNL</td>
<td>Philip Adams</td>
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<tr>
<td>SPECIAL SEMINAR</td>
<td>Mon. Feb. 26 3:40 PM 109 Nicholson Hall</td>
<td>&quot;Interaction effects in low-dimensional electron systems&quot;</td>
<td>Boris Narozhny International Center for Theoretical Physics (ICTP), Trieste, Italy</td>
<td>John DIItusa</td>
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<tr>
<td>Date</td>
<td>Title</td>
<td>Speaker</td>
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<td>March 1</td>
<td>&quot;The HST/ACS Survey of Galactic Globular Clusters 1978 &amp; Revisited&quot;</td>
<td>Ata Sarajedini</td>
<td>University of Florida</td>
<td>Aris Landolt</td>
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<td>March 8</td>
<td>&quot;Dusty Yields in Clumpy SNe Shells: 1987A Revisited&quot;</td>
<td>Barbara Ercolano</td>
<td>Harvard-Smithsonian Center for Astrophysics</td>
<td>Geoffrey Clayton</td>
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<td>&quot;A Unifying Perspective on Charge Fractionalization&quot;</td>
<td>Alexander Seidel</td>
<td>Florida State University National High Magnetic Field Laboratory</td>
<td>John DiTusa</td>
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<td>&quot;Critical Point Behavior and the Evolution of Structure in Nuclei&quot;</td>
<td>Elizabeth McCutchan</td>
<td>Yale University Wright Nuclear Structure Laboratory</td>
<td>Jerry Draayer</td>
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<td>&quot;Theoretical Approach to Ab-Initio Calculations of NMR Spectra for Large Bio-Molecules&quot;</td>
<td>Timo Thonhauser</td>
<td>Massachusetts Institute of Technology (MIT) and Rutgers University</td>
<td>John DiTusa</td>
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<td>&quot;Radioactive Nuclei in the Cosmos&quot;</td>
<td>Jeff Blackmon</td>
<td>Oak Ridge National Laboratory</td>
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<td></td>
<td>&quot;Probing the Limits of Nuclear Existence through Decay Spectroscopy&quot;</td>
<td>Sean Liddick</td>
<td>University of Tennessee</td>
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<td></td>
<td>&quot;Probing Fundamental Properties of the Weak Interaction: Some Recent Experimental Progress&quot;</td>
<td>Dan Melconian</td>
<td>Center for Experimental Nuclear Physics &amp; Astrophysics (CENPA), University of Washington</td>
<td>Jerry Draayer</td>
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<tr>
<td>March 29</td>
<td>&quot;Efficient Quantum Algorithm for Simulating Hamiltonian Evolution&quot;</td>
<td>Barry Sanders</td>
<td>Director, Institute for Quantum Information Sciences</td>
<td>Jonathan Dowling</td>
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<td>April 5</td>
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<td>April 12</td>
<td>&quot;Nonlinear and Quantum Optical Effects in Microrings and Things&quot;</td>
<td>John E. Sipe</td>
<td>Institute for Optical Sciences</td>
<td>Jonathan Dowling</td>
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<td>April 19</td>
<td>&quot;Minimum Energy Requirements for Quantum Computing&quot;</td>
<td>Julio Gea-Banacloche</td>
<td>University of Arkansas</td>
<td>Jonathan Dowling</td>
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<tr>
<td>Date</td>
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<td>April 26</td>
<td>&quot;Tidbits About Qubits: Spin Computation in Nanostructures&quot;</td>
<td>Sankar Das Sarma</td>
<td>University of Maryland</td>
<td>John DiTusa</td>
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<td></td>
<td>Abstract</td>
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<td>&quot;Hubbard Model with Phonons: Superconductivity, Polaron Formation and Isotope Effect&quot;</td>
<td>Alexandru Macridin</td>
<td>University of Cincinnati</td>
<td>John DiTusa</td>
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<td>SPECIAL SEMINAR: PHYSICS &amp; CCT</td>
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<td>435 Nicholson Hall</td>
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<td>&quot;Do Spin Glasses Order in a Field?&quot;</td>
<td>Helmut G. Katzgraber</td>
<td>ETH Zurich, Switzerland</td>
<td>John DiTusa</td>
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<td>Abstract</td>
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<tr>
<td>May 3</td>
<td>&quot;Topological Hysteresis in Supercondcu tors and Ferromagnets&quot;</td>
<td>Ruslan Prozorov</td>
<td>Ames Laboratory, Iowa State University</td>
<td>Phillip Adams</td>
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<tr>
<td>May 10</td>
<td>&quot;TBA&quot;</td>
<td>Yuji Matsuda</td>
<td>Kyoto University, Japan</td>
<td>Ilya Vekhter</td>
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http://www.phys.lsu.edu/dept/seminars/spgenseminar.html

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