

Yale Department of Physics

Yale Physics Newsletter

February 16, 2018

News

David Moore is one of five Yale faculty members who were awarded a Sloan Research Fellowship to advance their work. Moore's research focuses on experimental nuclear and particle physics, including tests of the fundamental nature of neutrinos, dark matter, and gravity at microscopic distances. [Click here](#) for full article in the Yale News.

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Congratulations to **Ariana Hackenburg** on the successful defense of her thesis "Measurement of a Neutrino-Induced Charged Current Single Neutral Pion Cross Section at MicroBOONE"! Her thesis advisor was Bonnie Fleming.

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Congratulations to **Aleksander Rebane** on the successful defense of his thesis "Exploring free energy landscapes of SNARE assembly using optical tweezers"! His thesis advisors were Yongli Zhang and James E. Rothman.

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From the Dean of Yale College, "I am excited to announce the Y-Work Award for Outstanding Undergraduate Student Employees, an initiative to celebrate the many positive contributions our undergraduate students make to Yale's campus through term-time employment. The Y-Work Award will be presented annually to a handful of current undergraduates whose dedication to their on-campus job has had a positive impact on the community through one of Yale's departments, offices, labs, libraries, museums, residential colleges, or other part of campus." [Click here](#) for the full announcement.

For more news please see <http://physics.yale.edu/news>

Save the Date

Spring Recess is coming! March 9-25, 2018. Also, please be on the lookout for prospective graduate students visiting during the Graduate Admissions Open House April 6-7, 2018.

Seminars

Monday, February 19 Department of Mechanical Engineering and Materials Science Seminar. Shulong Yang, Cornell University, "Interfacial Engineering of Quantum Materials", ML 107 at 2:30pm. Host: Prof. Udo Schwarz.

Monday, February 19 Physics Club. Frédéric Chevy, Ecole Normale Supérieure, "The Cobra Wave", SPL 57 at 3:30pm. Host: Nir Navon. Tea after the talk in SPL 3rd Floor Lounge.

Monday, February 19 Department of Chemistry Lecture in Physical Chemistry. Professor Jahan Dawlaty, University of Southern California, "Light, Electrons, and Protons: Lessons from Model Systems and Potentials for Catalysis", SCL 160 at 4:00pm.

Tuesday, February 20 Weak Interaction Discussion Group Seminar. Shilo Xia, Yale University, "Hunting for neutrinoless double beta decay and other rare-events with the EXO-200 detector", WLC 245 at 12:00pm. [RSVP](#) required for lunch in WLC 245 before the talk at 11:45am.

Tuesday, February 20 Yale Center for Astronomy and Astrophysics Seminar. Paz Beniamini, George Washington University, "Heavy elements in dwarf galaxies – Implications for the physical sites of r-process formation, evolution of dwarf galaxies and Galactic halo metal poor stars", WTS A-51 at 2:30 pm. Coffee and tea will be served before the talk starting at 2:00pm in the coffee lounge at 52 Hillhouse.

Wednesday, February 21 YPPDO Seminar. Sabrina Cales, Institute for Defense Analyses (IDA), "From astrophysics to systems evaluations", WL 216 at 1:00pm. Lunch will be served at 12:30pm right before the talk in WL 245. [RSVP](#) required.

Wednesday, February 21 Department of Molecular, Cellular and Developmental Biology Seminar. John Shanklin, Brookhaven National Laboratory, "Coordination of Metabolism: Energy Status and Oil Synthesis", SCL 160 at 4:00pm. Host: Nicole Clay. Tea at 3:45pm.

Wednesday, February 21 Department of Mathematics Colloquium. David Treumann, Boston College, "Sheaves and Lagrangians", LOM 215 at 4:15pm.

Thursday, February 22 Center for Teaching and Learning Teaching and Learning Lunch. Craig Brodersen and Jay Wason, Yale University, "Using 3D Prints in Teaching, Research and Outreach", CTL 120A at 12:00pm. 1 – 1:30 p.m. – interactive printing session. [Register in advance for this interactive discussion and demonstration.](#)

Thursday, February 22 Department of Chemistry Lecture in Chemical Biology. Professor Matthew Shoulders, Massachusetts Institute of Technology, "Understanding Proteostasis, Illuminating Evolution", West Campus Conference Center, rm. 218 at 1:00pm.

Thursday, February 22 Department of Astronomy Colloquium. Andrea Ferrara, Scuola Normale Superiore di Pisa, "Title TBA", WTS A-51 at 2:30pm.

Friday, February 23 Department of Chemistry Microbial Sciences Institute Seminar. Professor Elizabeth Nolan, Massachusetts Institute of Technology, "Title TBA", Yale West Campus Advanced Biosciences Center, rm. 373 at 12:00pm.

For more seminars see: <http://physics.yale.edu/calendar>

Announcements

Reminder – Purchase orders <\$5K are handled by the PI's administrative assistant and purchase orders >\$5K or those requiring special handling or that are out-of-the-ordinary are handled by Cindy Conforte. Where the purchase order request is >\$5K and the vendor is not in the system the PI's administrative assistant is responsible for setting up the vendor before forwarding the request to Cindy for handling. **IMPORTANT! Please make sure that all quotes have a terms of payment of "Net 30".**

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For further information on any of the items included here or if you would like to contribute to the next newsletter, send email to [Daphne Klemme](mailto:Daphne.Klemme).

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Please [click here](#) for updates on the Yale Science Building, including a new logistics plan. The project encompasses the construction of a new state of the art sciences laboratory at the approximate location of the demolished J.W. Gibbs building, a comprehensive renovation of the KBT Plaza, a lecture hall, and a common area at the south end of KBT Plaza.