

Yale Department of Physics

Yale Physics Newsletter

October 27, 2017

News

For Yale purchases over \$100K see below

Faculty please contact Karen DeFelice or Hannah Carroll when planning a Yale purchase of \$100k or more. Purchasing can negotiate an educational discount with the vendor.

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Yale CUORE group research in the news. Experiment Provides Deeper Look into the Nature of Neutrinos

The first glimpse of data from the full array of a deeply chilled particle detector operating beneath a mountain in Italy sets the most precise limits yet on where scientists might find a theorized process to help explain why there is more matter than antimatter in the universe.

[Click here](#) for full story at Interactions.org

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

Announcements

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.

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Yale Health Center – Get your Flu shot!

[Flu Shot Information](#)

Flu clinics are available on a walk-in basis for Yale Health members, Yale University employees, and Yale University students. Children under 18 must be accompanied by a parent or guardian. No registration is necessary.

Continued on next page

Save the Date

November 3-5, 2017 – Family weekend! Watch for extra traffic!

Seminars

Monday, October 30 Physics Club. None this week.

Monday, October 30 Scientific Knowledge in the Public Sphere: A Town Hall discussion for Faculty, Students, Staff, and Administrators, SSS 114 at 4:00pm. [Click here](#) for poster.

Monday, October 30 Molecular Biology & Biophysics Seminar. Sandra Schmid, UT Southwestern, "A Dual Role for Dynamin in Clathrin-mediated Endocytosis", Bass 305 at 4:00pm. Tea before the talk at 3:45pm. Host Julien Berro.

Tuesday, October 31 Special Condensed Matter Seminar. Masaki Oshikawa, University of Tokyo, "Polarization, Large Gauge Invariance, and Quantum Hall Effect on Lattice", SPL 52 at 11:00am.

Tuesday, October 31 Yale Center for Astronomy and Astrophysics Seminar. Song Huang, UC Santa Cruz, "New Insights about the Assembly of Massive Galaxies from Hyper Suprime-Cam", Watson Center, A-51 at 2:30pm.

Wednesday, November 1 Yale Quantum Institute Colloquium. William Daniel Phillips, NIST, "Manipulating atoms with light: from spectroscopy to atomtronics", Yale Quantum Institute Seminar Room at 11:00 am.

Wednesday, November 1 Department of Molecular, Cellular and Developmental Biology Seminar. Dmitri Nusinow, Donald Danforth Plant Science, "Regulation of light, temperature, and photoperiodic responses by nuclear bodies", SCL 160 at 4:00pm. Tea at 3:45pm. Host: Josh Gendron.

Wednesday, November 1 Department of Geology & Geophysics Seminar. Benjamin Mills, University of Leeds, "Title TBA", Kline Geology Lab, 123 at 4:00pm.

Wednesday, November 1 Yale Quantum Institute Presents. William Daniel Phillips, NIST, "Time, Einstein and the coolest stuff in the universe", Davies Auditorium at 7:30pm. [Click here](#) for poster.

Thursday, November 2 Special Yale Quantum Institute/Condensed Matter Theory Seminar. Zhenghan Wang, UCSB, "Title TBA", Yale Quantum Institute Seminar Room at 10:30am.

Thursday, November 2 Condensed Matter Theory Seminar. Ganpathy Murthy, University of Kentucky, "Quantum Hall Ferromagnetism in $u=0$ Bilayer Graphene", SPL 52 at 1:00pm.

Thursday, November 2 Department of Astronomy Colloquium. Morgan Macleod, Institute for Advanced Study, "Catching Common Envelope Episodes in Action", Watson Center, A-51 at 2:30pm.

Friday, November 3 Yale Quantum Institute Colloquium.
Lorenza Viola, Dartmouth College, "Perspectives on Control of
Open Quantum Systems: From Noisy Qubits to Qubit Sensors",
Yale Quantum Institute Seminar Room at 12:00pm.

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

Continued from page 1

Department of Energy National Nuclear Security Administration Stewardship Science Graduate Fellowship (DOE NNSA SSGF) program provides outstanding benefits and opportunities to students pursuing a Ph.D. in areas of interest to stewardship science, such as properties of materials under extreme conditions and hydrodynamics, nuclear science, or high energy density physics. The fellowship includes a 12-week research experience at Lawrence Livermore National Laboratory, Los Alamos National Laboratory, or Sandia National Laboratories. [Click here](#) for poster.

Jobs

The Rockefeller University The Center for Studies in Physics and Biology, at The Rockefeller University, expects to have a small number of postdoctoral fellowships available for appointments in September 2018. We are seeking theoretical physicists, mathematicians and computer scientists with a demonstrable interest in the interface between their discipline and biology. The Fellows are to be at that stage of career as to function as independent members of the Center, free to work alone or in collaboration with any members of The Rockefeller University faculty. [Click here](#) for a copy of the job poster.