

# Yale Department of Physics

Yale Physics Newsletter

October 26, 2018

## Hints & Tips!

Welcome to our new hints and tips section! Please email [daphne.klemme@yale.edu](mailto:daphne.klemme@yale.edu) with any helpful tips that will help us work to our best ability.

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**It's all about p-cards!** Please remember 1) Do not split costs on p-cards to get around your p-card limit. 2) If an item costs more than your limit, contact Karen DeFelice or Hannah Carroll. 3) **Chemicals and hazardous materials cannot be purchased on p-cards** – a PO is necessary.

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**Computer/Equipment extended warranties/service protection plans** cannot be charged to sponsored awards. Warranties are for the benefit of the user not the award itself, so they should be charged to university accounts (LSU or faculty support). They should be given the spending category "Maintenance of Equipment" (SC263).

## News

**Benjamin Brubaker**, Ph.D. '17 awarded the American Physical Society's Tanaka Dissertation Award in Experimental Particle Physics. [Click here for full story.](#)

## 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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## Pierson-Sage Parking Garage News

This is an update on the situation at the Pierson Sage Garage.

The long running major repair project continues to make progress but will not be complete this fall. The latest estimate has the project going into winter break. Aside from that general time frame, there aren't any more specifics.

In the next few weeks to month, the upper level entry AND exit lanes will be closed to deal with more holes in the concrete. Actual dates to be determined.

We are getting keypads installed at the lower level to maintain visitor parking which is important to departments.

## Save the Date

The Undergraduate Research Fair is scheduled for November 9, 2018. [Undergraduates click here to sign up](#) and [Faculty click here to sign up](#).

## Seminars

**Monday, October 29** Graduate Methods Seminar. Pavel Kurilovich, Yale University, "Random Matrix Theory", SPL 51 at 2:30pm.

**Monday, October 29** Department of Applied Physics Special Seminar on Semiconductor Devices and Technology. Zhan Liu, Yale University, "Ferroelectric-Gated NOSFET and Negative Capacitance", BCT 3<sup>rd</sup> Floor Alcove at 3:30pm. Host: T.P. Ma.

**Monday, October 29** Physics Club. Daisuke Nagai, Yale University, "Multi-band HD Cluster Cosmology: a New Frontier for Cosmology and Astrophysics", SPL 57 at 3:30pm. Host: Meg Urry. Tea after the talk outside the lecture hall.

**Monday, October 29** Department of Molecular Biophysics & Biochemistry Paul Sigler Lecture. Wei Yang, NIH, "Molecular mechanisms of DNA replication and recombination", Jane Ellen Hope Memorial Building (315 Cedar Street) at 4:00pm.

**Monday, October 29** Department of Chemistry Kirkwood Award Seminar. Professor Charles Lieber, Harvard University, "New Paradigms for Electronic Brain Science Tools", SCL 110 at 4:00pm.

**Tuesday, October 30** Yale Quantum Institute Talk. Baptiste Royer, Sherbrooke University, "Measuring Qubit Parity in Circuit QED", YQI Seminar Room at 11:00am.

**Tuesday, October 30** Special Condensed Matter Seminar. Yichen Hu, University of Pennsylvania, "On the Brink of Fractionalization", SPL 52 at 1:00pm. Host: Meng Cheng.

**Tuesday, October 30** Yale Astronomy & Astrophysics Colloquium. Dr. Freeke van de Voort, HITS and Yale University, "Cosmic gas flows: the key to understanding galaxy formation", WTS A-51 at 2:30pm.

**Tuesday, October 30** Particle Theory Seminar. Andrei Parnachev, Trinity College Dublin, "Regge limit in holographic CFTs", SPL 52 at 4:00pm.

**Tuesday, October 30** Sackler/PEB/QBio Special Seminar. Prof. Roy Lederman, Yale University, "Hyper-molecule representation of the continuum of molecular conformations in cry-EM, and what it has to do with manifolds of action figures", SPL 56 at 4:00pm.

**Wednesday, October 31** Mechanical Engineering and Materials Science Seminar. Siddharth Rajan, Ohio State University, "Semiconductor Materials and Devices Beyond Silicon", ML 107 at 2:30pm. Host: Charles Ahn.

**Wednesday, October 31** Department of Molecular, Cellular and Developmental Biology Seminar. Mariana Wolfner, Cornell University, "Insect afterglow: how male and female contributions regulate reproduction", SCL 160 at 4:00pm. Host: John Carlson. Tea at 3:45pm.

**Thursday, November 1** Condensed Matter Seminar. Felix Werner, Ecole Normale Supérieure, "Title TBA", SPL 52 at 1:00pm. Host: Nir Navon.

**Thursday, November 1** Applied Physics Seminar. Pieter van Dokkum, Yale University, "Dark matter in ghostly galaxies", DL 107 at 2:15pm. Host: Charles Ahn.

**Thursday, November 1** Yale Astronomy & Astrophysics Colloquium. Sangeeta Malhotra, Goddard Space Flight Center, "Lyman-alpha galaxies through cosmic time – from reionization to local analogs", WTS A-51 at 2:30pm.

**Thursday, November 1** Geology & Geophysics Colloquium. Roger Benson, Oxford, "Patterns of tetrapod diversification on land, and possible explanations", KGL 123 at 4:00pm.

**Friday, November 2** Yale Quantum Institute Seminar. Jonathan Home, ETH Zurich, "Control of trapped-ions for quantum error correction", YQI Seminar room at 12:00pm. Host: Steve Girvin.

**Friday, November 2** Department of Chemistry Silliman Lecture in Organic Chemistry. Professor Steven Malcolmson, Duke University, "New Strategies for the Catalytic Enantioselective Synthesis of Chiral Amines and Other Challenging Scaffolds", SCL 160 at 3:30pm.

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

We are also pushing to get an exit lane opened in lot 16 to expedite exiting the lot. We are fully aware of the inconvenience this causes, but we are at the mercy of the repair project.

At this time, we also need to remind everyone, that parking in lot 16 is not an option. Vehicles with Pierson Sage assignment parked in lot 16 are subject to tow without notice. Towing is not pleasant for anyone thus we ask that everyone please park in their designated location.

## Flu Shot Information

### Flu Shot Clinics

Flu shots are free for all Yale staff, faculty, students, seniors and Yale Health members.

Adults and children over 5 years of age can go to any of the flu clinics. Children 6 months through 4 years can **ONLY** go to the flu clinics offered at the Yale Health Pediatrics Department. Children under 18 years old must be accompanied by an adult.

High dose flu vaccine is available at all of the flu clinics except the ones at the Yale Health Pediatrics Department.

Date	Time	Location	Ages
Sat., Oct. 27	9am to 1pm	Yale Health Pediatrics, 3rd Floor	6 months and older
Tues., Oct. 30*	10am to 3pm	Yale Health Center, 1st Floor	5 years and older
Fri., Nov. 2	10am to 2pm	West Campus, School of Nursing	5 years and older
Tues., Nov. 6	10am to 3pm	Yale School of Medicine, Harkness Lounge	5 years and older
Thurs., Nov. 15*	2pm to 7 pm	Yale Health Center, 1st Floor	5 years and older
Sat., Nov. 17	9am to 1pm	Yale Health Pediatrics, 3rd Floor	6 months and older
Tues., Nov. 27*	2pm to 7pm	Yale Health Center, 1st Floor	5 years and older

Sat., Dec. 1	9am to 1pm	Yale Health Pediatrics, 3rd Floor	6 months and older
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\*On these dates Flu FIT home-based colon cancer screening kits will be available for eligible adults with a Yale Health primary care provider.

## Yale Police Department Turkey Drive - make a difference

Help a family in need this Thanksgiving, by making a contribution to the annual YPD Turkey Drive. The Yale Police Department is accepting monetary donations **now through November 13** for their annual turkey drive event. Last year, over \$5,000 was raised, feeding over 1,000 New Haven residents.

Donations can be made via cash or check (payable to Officer Martin Parker) by mail or in person at the Yale Police Department, 101 Ashmun Street, New Haven.

For additional information, please contact Officer Martin Parker at 475-234-9079 or [martin.parker@yale.edu](mailto:martin.parker@yale.edu).

[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.