Friday, March 4, 2022

Events

Monday, March 7

All day  
**2022 - Applied Physics Graduate Student In-Person Open House:** Open house event for prospective graduate students, contact Alex Bozzi for further information.

12:00 pm  

4:00 pm  
**Physics Club:** Electrically charged skyrmions and superconductivity, Michael Zalatel, University of California, Berkeley, zoom, passcode: 863941. Host: Leonid Glazman.

4:00 pm  
**Inorganic Chemistry Seminar:** Non-Equilibrium Chemical and Biological Systems with Microscopic Electrochemical Control, Chong Liu, University of California Los Angeles. Contact the Chemistry department for connection information.

4:00 pm  
**Molecular Biophysics & Biochemistry Seminar:** Structural Biology and Inhibition of Retroviral Integration, Dmitry Lyumkis, Salk Institute, zoom. Host: Yong Xiong.

Tuesday, March 8

All day  
**2022 - Applied Physics Graduate Student In-Person Open House:** Open house event for prospective graduate students, contact Alex Bozzi for further information.

2:30 pm  
**Dissertation Defense:** Searching for Dark Matter with COSINE-100, William Thompson, Yale University, WL 216. Thesis Advisor: Reina Maruyama.

2:30 pm  
**Yale Exoplanets and Stars Seminar:** A Survey of Planet Engagement Amongst Planet Host Systems, Aida Behmard, Caltech, zoom. Click here to arrange a meeting with the speaker.

Wednesday, March 9

1:00 pm  
**Solid State & Optics Seminar:** Microresonator-based optical frequency combs:
new opportunities for classical and quantum applications, Dr. Xu Yi, University of Virginia, zoom, passcode: 604783. Host: Hui Cao.

4:00 pm Earth & Planetary Sciences Colloquium: Increases in Snowball Earth seawater viscosity may have triggered the origins of complex multicellularity, Carl Simpson, University of Colorado Boulder, KGL 123. Contact Earth & Planetary Sciences for zoom connection information.

4:15 pm Mathematics Colloquium: Random sphere, disk, and annulus, Xin Sun, UPenn. Contact Mathematics for zoom connection information.

Thursday, March 10

12:00 pm Women in Physics+ Alumni Colloquium: My life and career path, Lucie Tvrznikova, Waymo, zoom. Host: Hannah Bossi.

Friday, March 11

All day 2022 Prospective Student In-Person Open House: Open House event for prospective graduate students, contact Stacey Watts or Rona Ramos for further information.


12:00 pm Library workshop on literature reviews: Demystifying the Literature Review: Physical and Earth Sciences Focus, Kayleigh A. Bohémier, Yale University, register here.

1:00 pm Dissertation Defense: Machine Learning for Tau Leptons and the Search for the Associated Production of a Higgs Boson with a Vector Boson, with the Higgs Boson Decaying to a Tau Pair at ATLAS, Emma Castiglia, Yale University, SPL 57. Thesis Advisor: Sarah Demers.

1:00 pm Wright Lab Training: EHS Orientation for Wright Lab Shop Users - Spring 2022, Environmental Health and Safety, Wright Lab Shop Facilities. Register here.

More events

News

Emily Kuhn successfully defends Thesis

On March 4, 2022, Yale Physics and Wright Lab graduate student Emily Kuhn successfully defended the thesis “Calibration Instrumentation for the Hydrogen Intensity and Real-time Analysis eXperiment (HIRAX)”. (Advisor: Laura Newburgh).

Michel Devoret a co-recipient of the Micius Quantum Prize

Michel Devoret, the F.W. Beinecke Professor of Applied Physics and Physics, is a co-recipient of the Micius Quantum Prize for his groundbreaking work in quantum physics —
including key contributions in the development of the artificial atoms of quantum information known as qubits.

Marla Geha research featured in the April Issue of Sky & Telescope

Marla Geha, Professor of Astronomy with a secondary appointment in Physics, is featured in the April 2022 issue of Sky & Telescope. A new survey, SAGA, hints that the Milky Way might be an outlier - with broad implications for our understanding of the universe.

Physics Club, February 28th
Video available

The Physics Club of February 28, 2022 was presented by Yu He of the Yale Department of Applied Physics on "Breaking a metal via low dimensional fluctuations". hosted by Eduardo H. da Silva Neto.

Community

Climate and Diversity Committee News

March is Women’s History Month. “Focus on Women’s History Month,” an online guide created by Belonging at Yale, presents a variety of groups, events, media, and other resources that celebrate the contributions of women at Yale and beyond, and pays tribute to women’s history.

If interested in joining the CDC, please contact Rona Ramos, Chair of CDC. You may contact the whole committee at physics-cdc@mailman.yale.edu

Yale Physics celebrates Women’s History Month on social media

For women’s history month, Yale Physics' inaugural graduate diversity fellow Iris Ponce has launched a project to show some of the women and other gender minorities in the department on social media as part of her
fellowship. Please check out the Yale Physics Department's Facebook, Instagram, or Twitter pages daily throughout the month of March.

YALE POSTDOCTORAL ASSOCIATION 5TH ANNUAL POSTDOC SYMPOSIUM, MAY 19 - Call for abstract submissions

The symposium will be held in a hybrid format: in person at OC Marsh Lecture Hall in the Yale Science Building and streamed via Zoom.

One of the main aims of the symposium is to celebrate the diversity of postdocs and ARS (and their research) at Yale. Visit the website, see the flyer, register, and contact the symposium organizers if you have questions.

Submission deadline: March 18.

COVID-19 update

Yale COVID-19 Information
Yale COVID-19 Statistics
COVID-19 Workplace Guidance
Yale College COVID-19 Announcements and FAQs
Yale Physics COVID-19 site
Current COVID-19 status is Yellow

Opportunities

Faculty Positions

Lecturer Positions at Texas A&M University (deadline Mar. 14, 2022 or until filled)

Assistant Professor in Experimental Condensed Matter Physics at the University of California, Riverside (deadline Mar. 30, 2022 or until filled)

Assistant Professor position in Experimental Particle Astrophysics, Cosmology or Gravitational Waves at the University of California, Riverside (deadline Apr. 1, 2022 or until filled)

Asst. Prof. in Experimental Particle Physics position - UPenn (Deadline until filled)

Assistant Professor of Physics, Tenure track - The College of Wooster (Deadline until filled)

Junior Faculty Search in Fundamental symmetries (experiment), broadly defined - UC Berkeley (Deadline until filled)

Assistant Professor in Experimental Particle Physics - University of Pennsylvania (Deadline until filled)

Physics Faculty Position - CSU San Bernardino (Deadline until filled)

Full-Time Lecturer Position in Physics - University of Massachusetts, Dartmouth College of Engineering (Deadline until filled)
**Physics Clinical Assistant Professor Position** - NYU (Deadline until filled)

**Associate/Full Professor, Experimental Atomic, Molecular, and Optical Physics** - Yale University (Deadline until filled)

**Faculty and Associate Faculty Positions** - Perimeter Institute (no deadline)

**Assistant Professor in Biophysics** - University of North Texas in Denton (no deadline)

**Assistant Professor or Associate Professor in Photonics** - University of North Texas in Denton (no deadline)

**Assistant Professor in Energy** - University of North Texas in Denton (no deadline)

**Postdoctoral Positions**

**Air Force Science & Technology Fellowships** (Rolling deadlines Feb 1, **May 1**, Aug 1, Nov 1)

**Postdoctoral Associate Position in Theoretical Physics** - Yale University (Deadline until filled)

**Product Development Engineer** - Hyperlight (no deadline)

**Integrated Photonics Research Scientist** - Hyperlight (no deadline)

**Lab Positions**

**Lab Director, Undergraduate Quantum Education Laboratory** - the University of Chicago (no deadline)

**Graduate Student and Postdoc Research**

**Laboratory Residency Graduate Fellowship** - DOE National Nuclear Security Administration (deadline Mar. 16, 2022)

**Research Fellows 2022** - Ikerbasque - the Basque Foundation for Science (deadline Mar. 15, 2022)

**Experimental-Physics Education Specialist** - Scripps College (no deadline)

**Dudley Observatory Astronomer** - Siena College (deadline until filled)

**Undergraduate Research**

**2022 Yale Undergraduate Research Symposium for Underrepresented Minorities** - Yale Undergraduate Research Association (deadline Mar. 5, 2022)

Research Assistant - Yale School of Medicine (contact **Navin Kumar** for further information)

- Research Assistant – Harm Reduction (send CV to Keyu Chen keyuchen2020@gmail.com)
- Research Assistant – Data Analysis & Harm Reduction (send CV to Keyu Chen keyuchen2020@gmail.com)

**Spring 2022 Undergraduate Internships** - DOE Office of Science

**Physics Research Positions for Undergraduate Physics Majors** - University of Notre Dame (Deadline Feb. 21, 2022)

**2022 Summer Undergraduate Research Fellowships in Sensor Science and Engineering** - University of Maine (deadline Feb. 28, 2022)
Summer Undergraduate Research Internship Program - U.S. CMS, Fermilab (deadline Feb. 28, 2022)

Grant Opportunities

Research Grants - OPRA Association for Advancement of Research in Nuclear & Particle Physics (Deadline Apr. 14, 2022)

Summer Schools


Advanced Cyperinfrastructure Training for Modeling Physical Systems at Rensselaer Polytechnic Institute - Boot Camp: June 15-17, 2022 & Summer School: June 20-July 8, 2022 (deadline May 15, 2022)

Other Opportunities

Calling All Student Speakers! TEDXNEWHAVEN 2022 (deadline Mar. 7, 2022)