Events

Monday, February 1
4:00 pm  Physics Club: There will be no Physics Club today.

Tuesday, February 2
1:00 pm  WIDG Seminar: Progress toward the MicroBooNE Low-Energy Excess Search, Lauren Yates, MIT, Zoom
1:00 pm  Yale Quantum Institute Talk: Slow thermalization in quantum simulators, Fangli Liu, University of Maryland, Zoom (requires login)
3:30 pm  Particle Theory Seminar: Black Hole Interior in Unitary Gauge Construction, Yasunori Nomura, University of California, Berkeley, Zoom
4:00 pm  Department of Chemistry Physical Seminar: Resonant Photoelectron Spectroscopy of Cryogenically-Cooled Anions via Dipole-Bound Excited States, Lai-Sheng Wang, Brown University, Zoom (contact department for zoom link)

Thursday, February 4
1:00 pm  NPA Seminar: Improved Constraint on Primordial Gravitational Waves with Delensing, Kimmy Wu, SLAC/KIPAC, Zoom
2:30 pm  Department of Astronomy Virtual Colloquium: The Virgo Radial Merger and the Discovery of Shell Structure in the Milky Way Halo, Heidi Jo Newberg, Rensselaer Polytechnic Institute, Zoom (contact department for zoom information)

Friday, February 5
12:00 pm  Yale Quantum Institute Seminar: Title TBA, Vojtech Vlcek, University of California, Santa Barbara, Zoom (requires login)

News

Charles Baltay and his group contribute to largest ever map of
the sky that will inform ambitious DESI survey

In 2015, physics department researchers, including Charles Baltay, David Rabinowitz, William Emmett, and Tom Hurteau, were an integral part of the team that rebuilt and installed the Mosaic3 infrared CCD imager onto the Mayall 4-meter telescope at Kitt Peak National Observatory near Tucson, Arizona.

Bonnie Fleming collaborates in the composition of MicroBooNE music

Professor of physics Bonnie Fleming has collaborated in the composition of a new piece of music called "MicroBooNE" by David Ibbett, the first composer-in-residence at Fermilab, through a series of discussions with the composer about the science of the Micro Booster Neutrino Experiment (MicroBooNE), which is the inspiration for the piece.

Eduardo da Silva Neto rethinking the way electrons interact

Scientists have discovered a new twist to one of the fundamental interactions underpinning the physical world — the interplay of energy between electrons in a solid material.

Community

Climate and Diversity Committee News

As discussed this week in Inside Higher Ed (Keeping STEM Ph.D.s ) a recent article in Science shows that "the H-1B—a highly contentious visa used primarily for entry-level workers—may be an inefficient pathway for U.S.-trained STEM doctorates". The authors Michael Roach and John Skrentny go on to suggest that streamlining the green card application process for foreign Ph.D. graduates who hold STEM degrees from American universities would help retain these highly specialized workers. Their research found no significant difference in the number of publications or patents between Ph.D. scientists holding an EB or H-1B visas when starting their industry employment, as well as no significant difference in their starting salaries. In addition, no significant difference was observed between the pay of U.S. citizens and foreign doctorates, rather, starting salaries seem to be driven by the field of study and measures aimed at identifying the worker's ability.
If interested in joining the CDC, please contact Helen Caines, Chair of CDC. You may contact the whole committee at physics-cdc@mailman.yale.edu

COVID-19 update

Please check Yale COVID-19 Statistics for current statistics. The current COVID-19 Alert Level is Orange (see the site for an explanation).

COVID-19 Workplace Guidance website
Yale College COVID-19 Announcements and FAQs
2020-2021 Academic Year FAQs for Graduate Students
Further information on Yale's response
Yale Physics COVID-19 site

Opportunities

Faculty positions

Tenure Track Faculty Position in Nuclear Science and Engineering - MIT (Jan. 31, 2021)
Faculty and Associate Faculty Positions - Perimeter Institute (no date)

Grants

OPRA Association Physics Grants - OPRA (Apr. 15, 2021)

Fellowships

Perimeter Scholars International Program (PSI) - Perimeter Institute (Feb. 1, 2021)
The Simons Emmy Noether Fellows Program - Perimeter Institute (Mar. 31, 2021)

Undergraduate Research

Summer Research Experience for Undergraduates in Nanoscience and Engineering - Vanderbilt University (Feb. 15, 2021).
REU Program - University of Chicago (Feb. 15, 2021)
REU Program In Neutrino Physics - Virginia Tech (Feb. 1, 2021)
REU Program in Physics & Astronomy - WSU (Feb. 19, 2021)
REU Program - University of Notre Dame (Feb. 22, 2021)
Research Internship for Undergraduate Women and Underrepresented Minorities - APS/IBM (Feb. 15, 2021)