Events

Monday, February 7

4:00 pm  Molecular Biophysics & Biochemistry Seminar: Making RNA-protein complexes from 5' to 3’, Sarah Woodson, Johns Hopkins University, zoom. Host: MB&B Graduate Students.

4:10 pm  Physics Club: Gravitational Waves: Sources and Next-Gen Observatories, Matthew Evans, MIT, zoom, passcode 863491. Host: Laura Newburgh.

Wednesday, February 9

3:30 pm  Earth & Planetary Sciences Colloquium: Title TBA, Chloë Bonamici, University of Wisconsin Madison, contact department for zoom information.

4:15 pm  Mathematics Colloquium: The C^3 problem: error-correcting codes with a constant rate, constant distance, and constant locality, Alex Lubotzky, Hebrew University/Yale University, contact department for zoom information.

Thursday, February 10

1:00 pm  Nuclear Particle Astrophysics (NPA) Seminar: Searching for dark matter with superconducting qubits, Akash Dixit, University of Chicago, zoom passcode 274644. Host: Michael Jewell.

2:30 pm  Yale Astronomy Virtual Colloquium: Title TBA, Marta Bryan, University of California Berkeley, contact department for zoom information.

News

Maruyama discusses building the quantum workforce in Symmetry Magazine
Reina Maruyama, professor of physics, is featured in an article in Symmetry Magazine called "Building the Quantum Workforce" by Amanda Solliday.

Charles Brown quoted in Symmetry Magazine article “#BlackInQuantum”

Yale Physics alum Charles Brown, Ph.D. 2019, who is currently a postdoctoral associate at the University of California, Berkley, is featured in a January 2022 Symmetry Magazine article called “#BlackInQuantum”.

Professor Hui Cao gives more control in delivering light to human tissue and other systems

Researchers in the lab of Hui Cao, the John C. Malone Professor of Applied Physics, Professor of Physics and of Electrical Engineering, find the ultimate limit for energy deposition anywhere inside a diffusive system - that is, material that strongly scatters light and look opaque, such as human tissue.

More news

Community

Climate and Diversity Committee News

The origins of ‘Lift Every Voice and Sing’. This online Yale Library exhibition explores the history and legacy of the song “Lift Every Voice and Sing,” known today as the Black National Anthem, and the lives of the brothers who created it.

February is also Lunarfest 2022 for the Year of the Tiger! Leap into the new year with hope and energy. Click here for the schedule.

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

Physics YouTube Channel 2021

Check out the physics department YouTube Channel! In 2021 we had over 10K views. The most popular movies were: 1) Miller-Breit Memorial Lecture with 4,472 views; 2) Yale
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 Orange

Opportunities

Faculty Positions

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

McDonnell Center for the Space Sciences Postdoctoral Fellowship - Washington University in St. Louis (deadline Mar. 1, 2022)
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**

**Bioinformatician** - Stockholm University (Deadline Feb. 10, 2022)

**Research Fellows 2022** - Ikerbasque - the Basque Foundation for Science

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

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

**Undergraduate Research**

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)

**Grant Opportunities**

**Seed Grant Opportunity** - Yale Women Faculty Forum (deadline Feb. 15)

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

**Summer Schools**

**Les Houches Summer School on Statistical Physics and Machine Learning**; July 4-29, 2022

**Les Houches Summer School: The New Mechanics** - August 1-26, 2022

**Undergraduate**

**Nuclear Nonproliferation, Safeguards, and Security (NNSS) Virtual Course** - Brookhaven National Laboratory (Deadline Mar. 4, 2022)
For further information, or to contribute to the newsletter, please send email to Daphne Klemme.