Friday, December 9, 2022

Events

Monday, December 12
10:00 am  Department of Physics Event: Undergraduate Research Presentations, via zoom. Host: Karsten Heeger and Charles Baltay.

Tuesday, December 13
10:00 am  Department of Physics Event: Undergraduate Research Presentations, via zoom. Host: Karsten Heeger and Charles Baltay.
1:00 pm  Condensed Matter Theory Seminar: Many-Body Physics in Topological Bands: Chiral Stoner Magnetism, Zhiyu Dong, MIT, SPL 63. Host: Meng Cheng.
2:00 pm  Department of Physics Event: Undergraduate Research Presentations, via zoom. Host: Karsten Heeger and Charles Baltay.
4:00 pm  Particle Theory Seminar: Towards Non-perturbative QFT in Infinite Volume: From Time Dependent Observables to Thermalization, Emanuel Katz, Boston University, SPL 51. Hosts: Bianka Mecaj, Petar Tadic, & Yuan Xin.

Wednesday, December 14
10:00 am  Department of Physics Event: Undergraduate Research Presentations, via zoom. Host: Karsten Heeger and Charles Baltay.
1:00 pm  Condensed Matter Theory Seminar: Dynamical Effects from Anomaly: Modified Electrodynamics in Weyl Semimetal, Xuzhe Ying, University of Waterloo, zoom. Host: Meng Cheng.
1:00 pm  Solid State & Optics Seminar: Time-Resolved Photoemission from excitons and coherences, Alexander Kemper, North Carolina State University, TBD. Host: Yu He.
2:00 pm  Department of Physics Event: Undergraduate Research Presentations, via zoom. Host: Karsten Heeger and Charles Baltay.

Thursday, December 15
NPA Seminar: Xenon-doped liquid argon TPCs as a neutrinoless double beta decay platform, Andy Mastbaum, Rutgers University, WL 216. Host: Avinay Bhat.

Friday, December 16

Yale Quantum Institute: Physics Open Mic, Come share your love and enthusiasm for physics at the Physics Open Mic—an informal, bi-monthly lecture series by and for graduate students and postdocs. For more details or if you would like to present a talk, contact Charlotte Boettcher or Aniket Maiti.

News

Welcome Layla Nayar!

Layla Nayar is the Administrative Services Supervisor for the Department of Physics. She grew up between New Haven, CT and Baltimore, MD. Her hobbies and interests include football (both types), trying out new restaurants with friends, and long weekends catching up on Netflix, podcasts and staring at her massive to-be-read list.

Welcome Roman Baskov!

Welcome to Roman Baskov who comes to us as a postdoctoral associate from Bogolyubov Institute for Theoretical Physics of NASU (Kyiv, Ukraine). He is working with Steven Girvin.

Congratulations Paula Farnsworth!

On Monday, December 5, 2022, the department hosted a luncheon to honor Paula Farnsworth on 20 years of service to the University, and to the department. Paula has been a steady presence in Wright Lab and is a font of knowledge about it's history and the people who work there.

Social Media
2022 Hoodie Ceremony

The 2022 Hoodie Ceremony to welcome the class of 2024 to the physics ranks was the top post for the month of November. Photos posted to flickr.

Physics Club on YouTube


Community

Climate and Diversity Committee News

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

SPS Professor Dinner

Undergraduates from the Yale Society of Physics Students met with professor Steve Lamoreaux on November 30 in the Benjamin Franklin dining hall to network and learn more about his research as the fundamental physics/AMO/astrophysics experimentalist behind the HAYSTAC dark matter experiment and the first quantitative measurement of the Casimir force.

COVID-19 update

Yale COVID-19 Information - click here for updated information.

Opportunities

Faculty Positions

Asst./Assoc./Full Professor in Experimental Quantum Science - Yale University

Associate/Full Professor, Experimental Atomic, Molecular, and Optical Physics - Yale University

Assistant Professor in Biological Physics - Yale University
**Assistant Professor in Experimental Nuclear Physics** - Yale University

**Assistant Professor in Astrophysics & Cosmology** - Yale University

**Assistant Professor, Applied Physics (Quantum Information Theory)** - Yale University (due date December 1, 2022, anticipated start date July 1, 2023)

**Assistant Professor, Applied Physics (Experimental Condensed Matter Physics/Materials Science)** - Yale University (due date January 3, 2023, anticipated start date July 1, 2023)

**Faculty and Associate Faculty Positions** - Perimeter Institute

**Faculty Position in Experimental Physics** - Princeton University (application deadline November 18, 2022 or until position is filled)

**Assistant Professor Position in Particle Astrophysics, Cosmology, and Gravitational Waves** - University of California, Riverside (application open through December 31, 2022, anticipated start date of July 1, 2023)

**Assistant/Associate Professor, Physics** - Hope College (deadline December 31, 2022)

**Tenure-track assistant professor position at ECE** - Princeton University (deadline December 31, 2022, preferred start date of September 1, 2023)

**Associate Professor Position in Particle Astrophysics, Cosmology, and Gravitational Waves** - University of California, Riverside (application open through June 30, 2023, anticipated start date of July 1, 2023)

**Assistant Professor Position in Experimental Quantum Information Science** - NYU (anticipated start date of Sept. 1, 2023)

**Research Scientist Positions**

**Research Scientist, Relativistic Heavy-Ion Research Group** - Yale University

**Research Scientists (CHORD radio telescope) 5 Year Term** - Perimeter Institute

**Postdoctoral Positions**

**Postdoctoral Associate Position in Theoretical Physics** - Yale University

**Postdoctoral Research Associate/Fellow in Stellar Astrophysics** - University of Sydney (deadline December 12, 2022)

**Postdoctoral Position** - Universidad de la Serena [further information] (deadline January 6, 2023)

**Asteroseismology Research Fellow, Physics and Astronomy** - University of Birmingham (deadline January 23, 2023)

**Prize postdoctoral fellowship at Johns Hopkins Physics and Astronomy** - Johns Hopkins University (application open through February 8, 2023, consideration of applications will begin on November 1, 2022)

**PhD Position**

**PhD Positions in Quantum Condensed Matter Theory** - University of California, Santa Cruz (deadline January 4, 2023)

**Graduate Student and Postdoc Research**
Dudley Observatory Astronomer - Siena College

Positions for postdocs and graduate students affected by the war in Ukraine - Perimeter Institute

NRC Research Associateship Programs - National Academies for Sciences, Engineering, Medicine (Online applications open as follows December 1 (closes February 1), March 1 (closes May 1), June 1 (closes August 1), and September 1 (closes November 1))

Perimeter Scholars International 2023 - Perimeter Institute (deadline February 1, 2023)

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)

Physics REU: Interactions of Matter, Light & Learning - Kansas State University (applications open December 2022, program dates May 29-August 4, 2023)

Graduate Student and Postdoc Schools, Workshops, and Conferences

UseQip: Explore Quantum Information Processing, May 29-June 9, 2023 - University of Waterloo (deadline January 3, 2023)


Grants, Fellowships and Scholarships

Faculty

Simons Emmy Noether Fellowship - Perimeter Institute (deadline January 9, 2023)

Graduate

The Department of the Airforce Science & Technology Fellowship Program

2023 Dissertation and Postdoctoral Fellowship - Ford Foundation (deadline December 8, 2022)

Amplify Scholarship - Optica (Deadline December 9, 2022)

Undergraduate

Amplify Scholarship - Optica (Deadline December 9, 2022)

2023 Predoctoral Fellowship - Ford Foundation (deadline December 15, 2022)

WAVE Fellowship - Caltech (deadline January 9, 2023)

Amgen Scholars - Caltech (deadline February 1, 2023)