Friday, March 24, 2023

Events

Monday, March 27

2:00 pm  **Department of Astronomy - Exoplanets & Stars Seminar:** *Characterizing Protoplanetary Disks Using ALMA and 2D Thermo-chemical models,* Jenny Calahan, University of Michigan and *Investigating how eccentric, inclined planets scatter planetesimal debris in and outside of our solar system,* Arcelia Hermosillo Ruiz, University of California Santa Cruz. 46 Hillhouse conference room or by zoom. Click here to sign up for one-on-one meetings.

3:30 pm  **Silliman Lecture:** *The physics and physiology of hearing: How the ear’s works work,* Jim Hudspeth, Rockefeller University, SPL 59. Hosted by Yale Quantitative Biology Institute (supported by the Mrs. Hepsa Ely Silliman Memorial Fund). There will be coffee and cookies before the talk and a small reception afterwards in the SPL 3rd Floor lounge.

Tuesday, March 28

12:00 pm  **Astro X Data Science Seminar:** *Going Beyond the Galaxy Power Spectrum: an Analysis of BOSS Data with Wavelet Scattering Transforms,* Georgios Valogiannis, Harvard University, 46 Hillhouse conference room. Host: Xinyi Chen.

1:00 pm  **Special Solid State & Optics Seminar:** *Multi-channel optics: from deep-tissue imaging to fast solvers,* Dr. Wade Hsu, University of Southern California, YQI Seminar Room or zoom (Password: 053742). Host: Doug Stone.

4:00 pm  **High Energy Particle Theory Seminar:** *Topological Screening and Sphaleron Transitions in Polarized Deeply Inelastic Scattering at the Electron-Ion Collider,* Raju Venugopalan, Stony Brook & Brookhaven National Lab, SPL 51. Host: Yuan Xin.

Wednesday, March 29

11:00 am  **Physics & QBio Hagoromo Hour:** *Ticking fast or slow: circadian clock readout sets period,* Caroline Holmes, Princeton University, Bass 405. Hosts: Isabella Graf, Michael Abbott, and Mason Rouches.
Yale Systems Biology Institute Seminar: Active, deformable particles as models of cancer invasion, Corey O'Hern, Yale University, West Campus Conference Center, Event Room A. Lunch will be served. Email for link.


Molecular, Cellular and Developmental Biology Seminar: Illuminating clocks and calendars in plants, Josh Gendron, Yale University, Bass 305.

Earth & Planetary Science Seminar: Title - To Be Announced, Channing Prend, University of Washington, KGL 123.

Mathematics Colloquium: The arithmetic of power series and applications, Yunqing Tang, University of California, Berkeley, LOM 214.

Thursday, March 30


Kimball Smith Series: International Security in Orbit and Beyond, Thomas Ayres, Todd Pennington, Paul Weber. The Schmidt Program on Artificial Intelligence, Emerging Technologies, and National Power will host a panel discussion on law, technology, and policy challenges in outer space featuring Col. Todd Pennington (US Air Force), General Counsel of US Space Command; Paul Weber, General Counsel of Blue Origin; and Gen. Thomas Ayres (ret.), General Counsel of Voyager Space. Free and open to the Yale community. Please register here in advance.

2023 In-Person Open House for Prospective Graduate Students: Optional Evening Events, Host: Stacey Watts. Click here for agenda.

Friday, March 31

2023 In-Person Open House for Prospective Graduate Students: Full Day Events, Host: Stacey Watts. Click here for agenda.


More events
Gladney featured in AIP Oral History collection

Larry Gladney was interviewed by David Zierler for the American Institute of Physics (AIP) Oral History interviews, which offer unique insights into the lives, works, and personalities of modern scientists.

Congratulations Dr. Beattie!

On March 7, 2023, Caitie Beattie successfully defended the thesis “Pathlength-dependent jet quenching in the quark–gluon plasma at ALICE” (advisor: John Harris).

Congratulations Dr. Edwards!

On March 10, 2023, Eustace Edwards successfully defended the thesis Cold Thallium Fluoride Beam: Buffer Gas Cooling, Beam Production, and $^3\Pi$ Excited State Hyperfine Spectra” (advisor: Steve Lamoreaux).

Congratulations Dr. Bossi!


Community
Welcome Monique Ancion

Monique Ancion is a senior administrative assistant helping Geriana van Atta in 46 Hillhouse. She is a mom of 4 wonderful children, 2 boys, aged 18 and 6 and 2 girls, aged 10 and 16. She is originally from Hamden, CT, but has lived in Queens, NY and New Orleans, LA. She has her CDL and was a school bus driver for many years, before transitioning to the administrative field as an Executive Assistant for a company called Steamatic. She owns an Event Planning business called Marvelous Moments by Monique, where she specializes in balloon art and decorations. Her passion is advocating for others and assisting them in reaching their goals and dreams. She loves to travel and her favorite pastime is reading an incredible book while lying under the sun on the beach. She is very excited to be part of the Yale Department of Physics and looks forward to getting to know her colleagues and learning and growing as a team.

Climate and Diversity Committee News

Yale’s affinity groups are hosting a Women’s Clothing Drive from Monday, March 27th to Monday, April 10th. All donations will be given to Life Haven Shelter for Women and La Casa Del Inmigrante to help support women succeed. Donation boxes will be set up around campus (see list of locations, below), or we are happy to pick up your donation. Please contact Erin MacDonnell or Megan Nance with any questions.

LOCATIONS:

- 350 George Street - Child Study Center
- 333 Cedar Street - Medical School Library Rotunda
- 127 Wall Street - Law School
- 221 Whitney Avenue, 1st floor lobby - Human Resources
- 17 Hillhouse Avenue - School of Engineering & Applied Science
- 165 Whitney Avenue - School of Management
- 154 Munson Street, 1st floor lobby - Science Park
- 120 High Street - Sterling Memorial Library
- 115 Prospect Street - Rosenkranz Hall

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

Outreach
Judge the New Haven Science Fair

The 2023 New Haven Science Fair is on May 15th and 16th. New Haven students from PreK to 12 grade will present their work at the science fair. You can register here to be a judge. As a judge, you would speak with students, evaluate their projects, and work with other judges.

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
- Assistant Professor, Applied Physics (Experimental Condensed Matter Physics/Materials Science) - Yale University
- Faculty and Associate Faculty Positions - Perimeter Institute
- 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 Scientists (CHORD radio telescope) 5 Year Term - Perimeter Institute

Postdoctoral Positions

- Postdoctoral Associate Position in Theoretical Physics - Yale University

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))

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)

Meetings, Schools, Workshops, and Conferences

3rd Biennial NSF/GPAP Summer School on Plasma Physics for Astrophysicists, May 29-June 2, 2023 - Swarthmore College (deadline April 1, 2023)

Summer School in Statistics for Astronomers XVIII, June 5-9, 2023 - Penn State (deadline May 5, 2023)

Conference: Statistical Challenges in Modern Astronomy VIII, June 12-16, 2023 - Penn State (registration deadline May 5, 2023)

STAQ Quantum Ideas Summer School, June 9-23, 2023 - Duke University

The 3rd Condensed Matter Summer School, "Dynamics and Quantum Information in Many-body Systems", June 12-21, 2023 - University of Minnesota-William I. Fine Theoretical Physics Institute (deadline March 24, 2023). Note: Michel Devoret is one of the speakers.

Boulder School for Condensed Matter and Materials Physics, "Non-Equilibrium Quantum Physics", July 3-28, 2023 - University of Colorado, Boulder. Note: Steve Girvin is one of the lecturers.

Advanced Cyberinfrastructure Training for Modeling Physical Systems, June 14-July 7, 2023; Bootcamp June 14-16, 2023 - Rensselaer Summer Program (deadline May 1, 2023)

Physics of Life - CPBF Summer School, June 19-30, 2023 - Princeton University (deadline March 31, 2023)

2023 Summer School, June 25-July 15, 2023 - Wolfram (must by 18 or older by June 24, 2023 to apply)

2023 Dunlap Institute Summer School - Introduction to Astronomical Instrumentation, August 8-11, 2023 - University of Toronto

XVIII International Conference on Topics in Astroparticle and Underground Physics 2023, August 28-September 1, 2023 - University of Vienna, conference fees and registration (early fee deadline July 1, 2023; full fee deadline August 15, 2023). Note: David Moore is an invited speaker.

EXCESS23@TAUP, August 26, 2023 - University of Vienna

Young Astronomers on Galactic Nuclei - Instituto di Astrofisica Spaziale e Fisica Cosmica, October 18-20, 2023, apply here (application deadline May 31, 2023)